STATE GEOLOGICAL SURVEY OF KANSAS

FRANKLIN D. MURPHY, M.D.
Chancellor of the University, and ex officio
Director of the Survey

FRANK C. FOLEY, PH.D.
State Geologist and Director

BULLETIN 122

OIL AND GAS DEVELOPMENTS IN KANSAS DURING 1955

By

E. D. GOEBEL, A. L. HORNBAKER, W. R. ATKINSON,
AND J. M. JEWETT

Printed by authority of the State of Kansas
Distributed from Lawrence

UNIVERSITY OF KANSAS PUBLICATIONS
SEPTEMBER 1956

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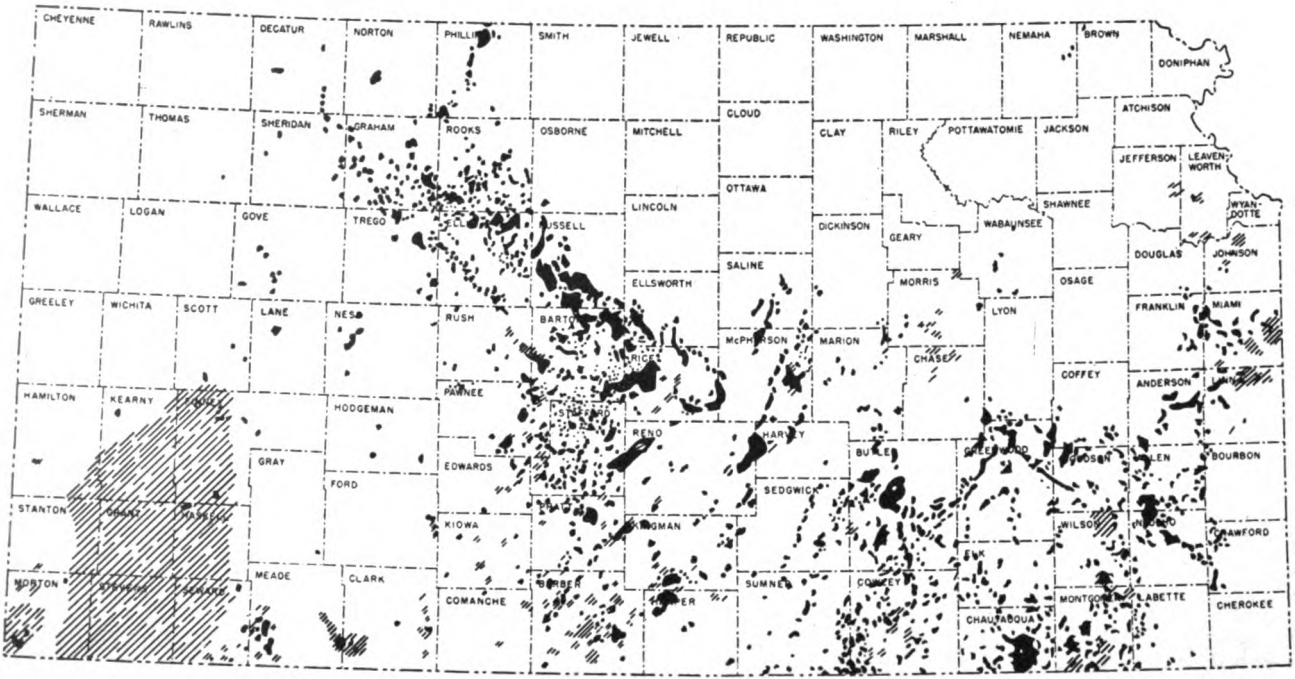

FIG. 1.—Index map of Kansas showing oil and gas producing areas.

FOREWORD

For the first time since 1939, Walter A. Ver Wiebe is not author or senior author of the annual report on Oil and Gas Development in Kansas during the preceding year. The annual series, continued with this Bulletin 122, was started with Dr. Ver Wiebe's State Geological Survey Mineral Resources Circular 13, *Western Kansas Oil and Gas Developments During 1938*, published in 1939. His first contribution to Kansas State Geological Survey reports was published in 1938 as Mineral Resources Circular 10, *Oil and Gas Resources of Western Kansas*, actually a forerunner of the annual series. After 1939 the annual reports were included in the bulletin series. In 1948, co-authors were added, and the entire state was covered for the first time. The series was continued through Bulletin 112 in 1955 under Dr. Ver Wiebe's guidance, but in that year he retired from the Municipal University of Wichita and moved from Kansas. His guidance will be sorely missed, but personnel of the Survey will continue the series and will endeavor to maintain his high standards.

Frank C. Foley, Director

OIL AND GAS DEVELOPMENTS IN KANSAS DURING 1955

By

E. D. GOEBEL, A. L. HORNBAKER, W. R. ATKINSON, AND J. M. JEWETT

ABSTRACT

Kansas oil production in 1955 totaled 121,161,234 barrels, a new high in annual production. In value the 1955 output of crude oil increased to $341,674,680 from $333,632,113 in the preceding year, entirely because of increased production.

Natural gas production in Kansas totaled 466.2 billion cubic feet (14.65 psia); the Hugoton Gas Area produced 394.3 billion cubic feet, about 85 percent of the total.

During the year 118 new oil fields, 25 new gas fields, and 6 that were both oil and gas fields were discovered; 10 previously abandoned oil fields and 1 gas field were revived.

The development of the Mississippian oil fields in Sedgwick, Kingman, and Harper Counties highlighted the year's exploraton. Development of the Garfield (Mississippian—Pennsylvanian) oil field of Pawnee County and the Greenwood Gas Area of Morton County continued.

In 1955, a total of 5,136 wells was recorded as drilled in Kansas counties in connection with the petroleum industry. Of the recorded completions, 2,432 were oil wells, 385 were gas wells, 2,052 were dry holes, and 267 were salt-water disposal wells or wells used as input wells in secondary recovery operations. Of the 2,052 dry holes, 666 were wildcats. Estimates of wells not specifically reported brought the total number of wells drilled in the state during the year to 7,825.

As in 1954, Barton County, which produced 14,366,110 barrels, was the leading oil producing county. Ellis and Russell Counties, ranked second and third, each produced more than 10 million barrels. The Trapp field of Russell and Barton Counties was again the top-ranking field of the state, producing 4.8 million barrels of oil in 1955. The six leading oil fields—Trapp, El Dorado, Kraft-Prusa, Hall-Gurney, Chase-Silica, and Bemis-Shutts—accounted for about 19 percent of the total annual production.

In 1955, Kansas produced 206.6 million gallons of natural gas liquids valued at more than 12 million dollars. Proved reserves of natural gas liquids are more than 173 million barrels.

The proved reserves of Kansas crude oil at the end of the year were 993.1 million barrels, or 2.0 percent greater than the previous year's estimated reserves. Proved reserves of natural gas are about 16.3 trillion cubic feet.

Production from secondary recovery projects in Kansas accounted for 11,881,346 barrels of oil during 1955. A total of 6,414 producing wells and 4,511 injection wells was reported during the year. Greenwood County, which yielded 5,401,273 barrels, led all other counties in the amount of oil produced by secondary recovery methods.

INTRODUCTION

During 1955 several new records were established in the Kansas petroleum industry. New highs were established in crude oil production, natural gas production, proved reserves of liquid hydrocarbons, value of crude oil production, and value of natural gas production. Because of an increase in production of crude oil and natural gas the dollar value of these resources exceeded all previous records.

Eighty Kansas counties have produced or are producing oil or gas. No new counties were added to this total during 1955; however, there were significant new developments. Stimulating the development in western Kansas was the successful completion of a large number of Mississippian wells in the Gladys field in Sedgwick County, in the Spivey field in Kingman County, and in the Grabs field in Harper County. Significant development of the Mississippian—Pennsylvanian contact zone in the Garfield field in Pawnee County was reported. Continued activity in the Greenwood Gas Area (Lansing—Kansas City group and younger) and the Interstate oil field (rocks older than Lansing—Kansas City group), both in Morton County, was important. Kiowa County's new Mississippian oil and gas fields added impetus to the search for additional reserves in that area. With the discovery of the Helfrich (Morrowan) field, oil production was reported from Hamilton County for the first time.

Of importance to eastern Kansas during 1955 was the accelerated search for Arbuckle and Mississippian production in Montgomery, Chautauqua, and Elk Counties. The completion of several additional Viola wells in the John Creek field of Morris County during the year has made that area attractive to exploration.

In some eastern Kansas counties the continued success of hydraulic fracturing was a factor in the revival of drilling and the increases in production figures. In Cowley and Sumner Counties several new "Bartlesville" and "Layton" zones were opened.

Graham County led all other counties in the number of new fields discovered with 17 new oil fields. Other counties with a large number of new field discoveries are: Barber 7 oil, 3 gas, and 1 oil and gas; Barton 11 oil and 1 gas; and Kingman 7 oil, 3 gas, and 3 oil and gas.

Crude oil production reached a new high despite fluctuations in the prorated monthly allowables, which were due to the lack of market demand and the accumulation of an excessive amount of crude oil above ground.

Natural gas production increased 14.9 percent from 1954, and the production of natural gas liquids increased 6.6 percent. Proved reserves of natural gas increased 3.4 percent, but proved reserved of natural gas liquids declined 1.1 percent. Kansas' consumption of natural gas (as a percentage of the production) rose to a new high of 68.7 percent.

Figure 1 shows in a general way areas in Kansas within which there is production of oil or gas or both. The map shows county relations and also gives an idea of how large a percentage of the state may be regarded as "oil and gas territory".

A condensed petroleum data table (Table 2) shows at a glance the trends of various phases of the industry in Kansas, as well as corresponding trends in the United States. Comparison of the two right-hand columns of Table 2 shows whether or not Kansas is holding its own in the nation's petroleum industry.

Production and value.—The 121,161,234 barrels of oil produced in Kansas during 1955 is 2,851,974 barrels more than the 1954 figure and represents a new high in total annual oil production. The 2.4 percent increase in value of crude oil, from 333.6 to 341.7 million dollars, is due entirely to the increase in oil production.

Natural gas production during 1955 increased 14.9 percent from the previous year to 466.2 billion cubic feet calculated at the base of 14.65 pounds per square inch absolute. The value of natural gas as estimated by the Kansas Corporation Commission rose from $44,642,618 in 1954 to $51,279,817 in 1955, a 14.9 percent rise in value accounted for entirely by an increase in gas production. Effective January 1, 1954, a new minimum price of 11 cents per thousand cubic feet measured at 14.65 pounds per square inch absolute was established by the Kansas Corporation Commission for the Hugoton Gas Area, which produces more than 85 percent of the state's total production. This minimum price has been applied to all Kansas gas production, including minor amounts of unprorated production, much of which probably brought a higher price.

TABLE 2.—*Petroleum data table showing percentage changes for Kansas and the United States, 1954-1955*

	Kansas figures		Change from previous year, percent	
	1954	1955	Kansas	United States
Crude oil production (barrels)	118,309,260[a]	121,161,234[a]	+ 2.4	+ 7.2
Value of crude oil produced	$333,632,113	$341,674,680	+ 2.4	.....
Kansas oil production as percentage of U.S. total	5.2	5.1	— 1.9	.....
Average price of oil	$2.82	$2.82	.....	.....
Rank of Kansas among oil producing states	5th	5th	.....	.....
Proved reserves of liquid hydrocarbons (at year end), thousands of barrels	1,153,646[b]	1,171,304[b]	+ 1.5	+ 1.9
Ratio of proved liquid hydrocarbon reserves to current annual production	9.8:1	9.3:1	— 5.1	.....
Oil producing area of "western Kansas", acres	702,540[c]	772,918[c]	+10.0	.....
Natural gas production, M cu. ft.	405,841,987[d]	466,180,157[d]	+14.9	.....
Value of natural gas produced	$44,642,618[e]	$51,279,817[e]	+14.9	+ 7.4
Production of natural gasoline and LPG (natural gas liquids), gallons	193,782,498[a]	206,621,110[a]	+ 6.6	.....
Value of natural gasoline and LPG	$11,765,670[f]	$12,052,898[f]	+ 2.4	.....
Proved reserves of natural gas, millions of cubic feet	15,758,332[b]	16,293,080[b]	+ 3.4	+ 5.7
Ratio of proved natural gas reserves to current annual production	38.8:1	34.9:1	—10.1	.....
Gas producing area of "western Kansas", acres	2,617,260	2,811,510	+ 7.3	.....
New oil and gas pools discovered	144[g]	149[g]		
Recorded well completions in Kansas				
Oil[h]	2,326	2,432		
Gas[h]	362	385		
Dry	1,876	2,052		
Salt-water disposal[i]	204	267		
Unrecorded, estimated	3,746[j]	2,689[j]		
Total recorded and estimated	8,514	7,825		
Wildcats and discovery wells (included in above total)	653	815		

[a] Figures supplied by Kansas Corporation Commission, Conservation Division.

[b] Figures from American Petroleum Institute and American Gas Association, 1955. Barrels have 42 U.S. gallons and gas is based at 14.65 psia. at 60° F.

[c] The petroleum area of "western Kansas" is taken to include all producing counties west of the Cowley-Butler-Marion-Dickinson County tier.

[d] Figures supplied by Kansas Corporation Commission, base 14.65 psia.

[e] The minimum value of 11 cents per M cubic feet of gas at 14.65 psia. at the well head established by order of the Kansas Corporation Commission for the Hugoton Gas Area effective January 1, 1954, has been applied to all Kansas gas production.

[f] This aggregate figure is based on unit values of the several products that reflect wholesale prices at the plant.

[g] Omitting revived pools.

[h] Includes pool wells and new discoveries.

[i] Includes salt-water disposal and recorded secondary recovery input wells.

[j] Counties for which number of wells drilled in 1955 is entirely or in part estimated include Allen, Anderson, Bourbon, Chautauqua, Coffey, Crawford, Elk, Franklin, Greenwood, Labette, Linn, Miami, Montgomery, Neosho, Wilson, and Woodson.

TABLE 3.—*Leading oil producing counties in Kansas during 1955*

Rank	County	Producing wells	Producing acreage	Total production, barrels
1	Barton	3,271	129,520	14,366,110
2	Ellis	1,948	63,440	11,165,885
3	Russell	2,999	83,010	10,772,297
4	Butler	3,122	66,910	8,469,378
5	Rooks	1,298	47,880	7,112,975
6	Rice	1,802	70,640	6,802,665
7	Stafford	1,450	56,020	6,564,369

In the general gas production table (Table 58), in which individual pool data are given, all the 1955 production and cumulative figures for the entire state are calculated at the same pressure base, 14.65 pounds per square inch absolute.

Kansas production of natural gas liquids during 1955 was 206.6 million gallons, 5.1 million gallons less than the record year 1953 but 12.8 million gallons more than 1954. The value of natural gas liquids produced during 1955 was $12,052,898. These products (natural gasoline, propane, butane, and other liquefied petroleum gases) are valued at $2.45 per barrel.

The total value of Kansas raw products of the petroleum industry (crude oil, natural gas, and natural gas liquids) produced in 1955 was 405 million dollars, which was a new record, exceeding 1954, the previous high year, by almost 15 million dollars.

Production of carbon black during 1955 was reported as 97,446,155 pounds valued at $5,553,883. The increase in production and value reverses the trend of the previous few years.

Barton County continued to be the leading oil producing county in the state. Table 3 shows the seven leading producing counties during 1955. Ellis County exchanged places with Russell County, the former moving from third to second, and Rooks County moved ahead of Rice County from sixth to fifth. In individual field production (Table 4) the Trapp field of Russell

TABLE 4.—*Largest oil producing fields in Kansas during 1955*

Rank	Field	Age, years	County	Total production, barrels
1	Trapp	20	Russell-Barton	4,797,347
2	El Dorado	40	Butler	4,231,941
3	Kraft-Prusa	19	Barton-Ellsworth	4,096,114
4	Hall-Gurney	25	Russell-Barton	4,075,710
5	Chase-Silica	25	Rice-Barton-Stafford	3,282,046
6	Bemis-Shutts	21	Ellis	3,232,150

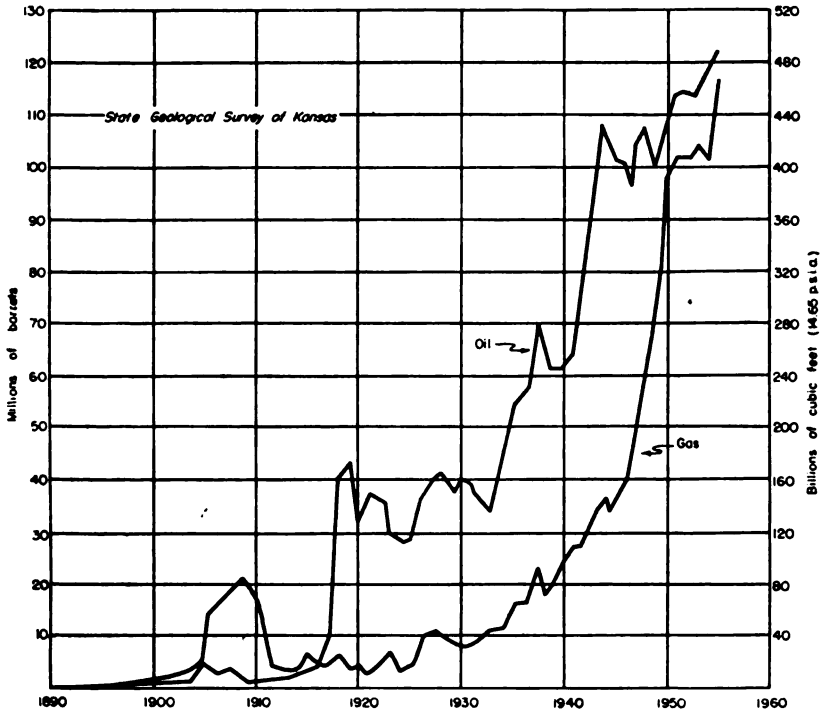

FIG. 2.—Annual oil and gas production in Kansas from 1890 to 1955.

and Barton Counties maintained the top position. The El Dorado field moved ahead of Kraft-Prusa from fifth to second place. Annual oil and gas production since 1890 is shown graphically in Figure 2.

During 1955, almost 30 million barrels of oil was imported into Kansas and a little less than 58 million barrels was exported. Approximately 93 million barrels of oil was refined and used in Kansas. A summary of oil produced, imported, used, and exported during 1954 and 1955 is given in Table 5.

Separate detailed production tables for oil and gas are given in this bulletin (Tables 57 and 58). Each includes in alphabetical order all counties in the state that produce oil or gas. In Table 57 the listing of each county shows both current and known cumulative oil production, producing area, name of pools (alphabetically arranged), discovery year, producing zones, average

TABLE 5.—*Barrels of oil produced, imported, used, and exported, 1954-1955* (From the Conservation Division, Kansas Corporation Commission)

	1954	1955
Produced	118,309,260	121,161,234
Imported	24,966,516	29,505,340
Total	143,275,776	150,666,574
Exported	54,968,489	57,527,501
Refined and used in Kansas	88,307,287	93,139,073
Total	143,275,776	150,666,574

thickness of producing zones, average gravity, reported number of producing wells, and number of producing wells plugged during 1955. Similar gas data are given in Table 58. Where possible, production from zones has been differentiated. Totals for each county are given so that comparisons can be made. Where oil or gas pools extend across county lines every effort has been made to separate accurately each county's production on the basis of the output of the leases themselves. All figures are compiled with reasonable diligence, but precise accuracy is not claimed.

Special attention has been given to dividing the natural gas production from the Hugoton Gas Area into county totals. Table 12 gives the 1955 gas production and cumulative production for each of the nine Hugoton gas producing counties. The number of wells now producing and the year in which gas was first discovered are given in Table 58. Basic data on production from the Kansas portion of the Hugoton Gas Area have been made available through the cooperation of the Kansas Corporation Commission and Dwight's Oil and Gas Reports.

Reserves.—Kansas proved reserves of liquid hydrocarbons (crude oil plus natural gas liquids) as of December 31, 1955, were 1,171,304,000 barrels, an increase of 1.5 percent; nationally, reserves increased 1.9 percent. Kansas proved reserves of crude oil were 998,068,000 barrels (American Petroleum Institute—American Gas Association, 1955, p. 9) at the end of 1955, an increase of 2.0 percent; national reserves increased 1.5 percent.

Proved reserves of natural gas in Kansas at the end of 1955 were estimated by the Reserves Committee of the American Gas Association to be 16,293 billion cubic feet, an increase of about 3.4 percent. Kansas proved reserves of natural gas liquids, 173 million barrels, are 1.1 percent less than the previous year. All

estimates of reserves are taken from the American Petroleum Institute and American Gas Association's annual report on reserves.

Area of production.—The producing area of Kansas oil and gas fields or the producing oil and gas area (the two overlap in some cases) has been calculated and shown as accurately as reasonably possible. Field boundaries have been drawn a short distance outside the outermost producing wells. Where dry holes show the boundaries, the limits have been drawn between dry holes and the producing wells. Undoubtedly the drainage areas of many of the reservoirs extend considerably beyond the limits as indicated, but for practical purposes the areas have been calculated on the basis of lines drawn just outside the productive area demonstrated by present development.

For eastern Kansas counties, only areas that were producing oil during 1955 are shown on the map and assigned acre areas in Table 57. It is the custom of the State Geological Survey of Kansas to issue, about every 5 years, a bulletin on the oil and gas developments in eastern Kansas. Bulletin 104 (Jewett, 1954) is the latest. In such bulletins the old fields, most of which are now unproductive, are shown, and productive and abandoned areas are differentiated.

New fields.—During 1955, there were 118 new oil fields, 25 new gas fields, and 6 that were both oil and gas fields discovered in Kansas. Eleven previously abandoned fields, 10 oil and 1 gas, were revived during the year. Of the 128 new and revived oil fields, the discovery wells of 2 were carried on the scout reports as dry and abandoned; 3 of the new oil and gas fields were combined with other fields. Graham County had 17 new oil fields discovered; Barber County 7 oil, 3 gas, and 1 oil and gas; Barton County 11 oil and 1 gas; and Kingman County 7 oil, 3 gas, and 3 oil and gas.

The new field discoveries are listed in Table 6. The number of new oil and gas fields (149) discovered during 1955 is 38 fewer than the high set in 1953. The total number of Kansas counties that have in the past or are at present producing commercial quantities of oil or gas or both is 80.

Table 7 summarizes new oil and gas zones discovered in old producing fields during 1955; 41 new zones were named. Data similar to those presented for new field discoveries are given.

TABLE 6.—*New oil and gas fields discovered in Kansas during 1955*

County, field, and location of discovery well	Discovery well	Producing zone	Production depth, feet	Month of discovery	Initial production, bbl. per day
Barber County					
Bloom NE NE NW 23-32-12W	E. H. Adair Oil Co. No. 1 Bloom	Simpson	4,672-4,675	Jan.	67
Boggs, Southwest NW NW NE 30-33-12W	Trans-Era Petro., Inc. No. 1 McCullough	Mississippian	4,456-4,463	June	1,600,000 cu. ft. gas
Brooks-Younger SW NW NW 23-32-13W	Lion Oil Co. and Gulf Oil Corp. No. 1 Brooks-Younger	Mississippian	4,423-4,428	June	41
Forsyth NW SW SW 17-32-12W	Pickrell Drlg. Co. No. 1 Forsyth "A"	Mississippian	4,436-4,446	Oct.	165
Goemann NW NE NW 29-32-10W	Globe Oil & Refg. Co. No. 1 Goemann	Mississippian	4,433-4,440	May	2,000,000 cu. ft. gas & 16
Landis SE SE SE 21-34-11W	Purcell-Mull Drlg. Co., Inc. No. 1 Landis	Mississippian	4,630-4,640	May	602
McReynolds NW NW NW 30-31-10W	Trans-Era Petro., Inc. No. 1 McReynolds (abandoned during 1955)	Mississippian	4,513-4,518	May	20
Moffett (revived) NE NE SE 9-30-15W	Graham-Messman-Rinehart Oil Co. No. 1 Moffett (8-30-15W)*	Penn. basal congl.	4,566 (top)	Feb.	12,400,000 cu. ft. gas
Sharon SE SE SE 13-32-10W	Jones, Shelburne & Farmer, Inc. et al No. 1 McKeever	Mississippian	4,355-4,365	March	40
Traffas NW NW SE 6-33-10W	Magnolia Petro. Co. No. 1 Traffas	Mississippian	4,590-4,605	April	1,260,000 cu. ft. gas
Whelan West SW SW NE 25-31-12W	Purcell-Mull Drlg. Co., Inc. No. 1 Kisling	Mississippian	4,284-4,296	Feb.	83
Barton County					
Behrens Northeast SE SE NE 29-19-15W	Leben Drlg. Co., et al. No. 1 Gagleman	Arbuckle	3,639-3,645	Oct.	2,000,000 cu. ft. gas & 25
Claflin, Northeast NE NE NE 3-18-11W	Francis M. Raymond No. 1 Preager	Lans.-K.C.	3,040-3,061	Jan.	50
Great Bend Northwest SE SE NE 24-19-14W	Honaker Drlg. Co. No. 1 Evers	Lans.-K.C.	3,315-3,328	Oct.	104
Heizer North SW SW NW 9-19-14W	Northern Pump Co. No. 1 Scoles	Arbuckle	3,555-3,563	Nov.	11
Heizer Northwest NW SW SW 5-19-14W	Northern Pump Co. et al. No. 1 Case	Lansing	3,366-3,370	Dec.	30
Heizer West NW SW NW 17-19-14W	Leben Drlg. Co. No. 1 "B" Hiss	Arbuckle	3,546-3,557	July	225
Herres SW NW SE 33-17-13W	Skelly Oil Co. No. 1 Herres	Arbuckle	3,343-3,353	Jan.	162
Homestead West SE NE SE 21-18-13W	Skelley Oil Co. No. 1 Woodmansee "A"	Arbuckle	3,300-3,310	Jan.	15
Kimpler SE NW SE 31-18-11W	Thunderbird Drlg., Inc. No. 1 Kimpler	Arbuckle	3,413-3,419	Feb.	272
Nuss SE SE NW 5-16-14W	McKnab Drlg., Inc. No. 1 Nuss	Lans.-K.C.	3,183-3,187	June	161
Redwing East NW NW SW 33-17-12W	Bennett & Roberts Drlg. Co. No. 1 Hitschman "B"	Arbuckle	3,352-3,354	Sept.	66
Templing SE NE NW 23-16-14W	Rex & Morris Drlg. Co. et al. No. 1 Templing	Lans.-K.C.	3,332-3,340	Oct.	95
Butler County					
De Graff NE SE SW 8-24-5E	J. H. Wagner Drlg. Co No. 1 Walters	"Burgess"	2,440-2,450	Aug.	30
McCann (revived) NE NW NW 7-25-3E	Eckland Drlg. Co. No. 2 Chaney (7-25-3E)*	"Burgess"	2,765 (top)	June	25
Chautauqua County					
Leniton (revived) SE SE NE 17-33-10E	Mendenhall Drlg. Co. No. 1 Eggen	Mississippian	2,030-2,040	.....	Oil
Leonard SE SW NW 1-34-9E	F. E. Fairfield No. 1 Leonard	Peru	1,501-1,505	Dec.	Oil

TABLE 6.—*New oil and gas fields discovered in Kansas during 1955, continued*

County, field, and location of discovery well	Discovery well	Producing zone	Production depth, feet	Month of discovery	Initial production, bbl. per day
Ramsey SW SE 18-33-9E	Frank A. Harvey No. 1 Ramsey	Mississippian	2,270-	Dec.	Oil
Clark County					
Cavalry Creek Cen. SE NW 3-31-21W	Stearns Petro. Inc. No. 1 Stradtman	Mississippian	5,195-5,218	Nov.	3,900,000 cu. ft. gas
Comanche County					
Beals Cen. NE NW 5-34-17W	Pure Oil Co. No. 1 Hazel Beals	Lans.-K.C.	4,393-4,416	Dec.	3,500,000 cu. ft. gas
Mule Creek SE SE NE 5-31-18W	Trans-Era Petro., Inc. No. 1 Robinson	Mississippian	5,066-5,071	Nov.	20
Cowley County					
Brandenburg SW SW NW 3-35-3E	Aylward Drlg. Co. No. 1 Brandenburg "A"	Simpson	3,664-3,671	April	20
Burden Townsite NW SW SE 34-31-6E	Ashton Oil & Refg. Co. No. 1 Henderson	"Layton" (1954) "Henderson"	2,212-2,222	Nov.	17
Churchill Northeast SE NW SW 18-31-3E	Geo. P. Vye No. 1 Shoup	Kansas City	2,420-2,430	Dec.	37
Donelson SW SW NW 21-34-7E	Diabe Oil Co. No. 1 Donelson	Kansas City	2,610-2,615	June	17
Falls City West NW NW SW 13-35-6E	San Diego Corp. No. 1 Olson	Mississippian	2,996-3,012	Dec.	15
Wilson (revived) NW SW SE 9-33-6E	Veeder Supply & Dev. Co. No. 1 Lans (9-33-6E)*	Mississippian	3,072 (top)	Jan.	15
Decatur County					
Jorn NE NE SE 29-2-28W	Sauvage & Dunn Drlg. Co., Inc. No. 1 Jorn	Lans.-K.C.	3,562-3,570	Feb.	15
Jorn East SW SW SW 27-2-28W	Sauvage & Dunn Drlg. Co., Inc. No. 1 Stoney	Lans.-K.C.	3,658-3,662	Sept.	12
Dickinson County					
Lost Springs, Northwest S½ NW SE 20-16-4E	Augusta Oil Co No. 1 Kandt	Mississippian	2,267 (top)	May	25
Edwards County					
Edstaff NE NW NE 12-25-16W	Skelley Oil Co. No. 1 V. E. Miller	Penn. basal congl.	4,202-4,212	Nov.	2,860,000 cu. ft. gas
Kirk NE NE NE 26-26-16W	Kirk Johnson No. 1 Wood	"Kinderhook"	4,481-4,501	Dec.	20
Elk County					
Arbuckle (revived) SE SE SW 19-31-9E	Hamilton & Arbuckle No. 1 Webber	Layton (Kansas City)	1,497-	.....	Oil
Clubine SE SE SE 32-30-10E	E. B. Henry No. 1 Clubine	Layton (1954)	1,294-	Dec.	Oil
Logsden Northeast NE NE SW 10-31-9E	Joe Yount No. 1 Smith	Layton	....	Dec.	Oil
Perkins NW NW SE 1-30-9E	F. W. Strait No. 1 Perkins	"Bartlesville" (1954)	2,020-2,031	Dec.	Oil
Ware NW NW NW 5-31-9E	Franco Central Oil Co. No. 1 Ware	Kansas City	1,671-1,674	Jan.	20
Ellis County					
Cromb (revived) SW SE SW 15-11-20W	Carl Todd Drlg. Co. No. 1 Zachman (22-11-20W)*	Lans.-K.C.	3,446-3,454	Nov.	216
Irvin East NE NW NW 4-14-19W	Thunderbird Drlg. Co., Inc. No. 1 Orth	Lans.-K.C.	3,628-3,646	Feb.	775
Kraus West NE NE SE 20-14-19W	Coppinger Drlg., Inc. et al. No. 1 Kraus	Marmaton	3,834-3,838	Feb.	186
Nellie Belle NW NE NW 15-13-17W	Leo Dreiling No. 1 "E" Dreiling	Arbuckle	3,521-3,522	Dec.	66

TABLE 6.—*New oil and gas fields discovered in Kansas during 1955, continued*

County, field, and location of discovery well	Discovery well	Producing zone	Production depth, feet	Month of discovery	Initial production, bbl. per day
Toulon Southwest SE SE NW 16-14-17W	Leben Drlg. Co. No. 1 Dinkel	Arbuckle	3,504-3,508	Feb.	25
Wheatland Southeast SW SW NW 28-15-17W	C-G Drlg. Co. et al. No. 1 Rajewski	Arbuckle	3,516-3,520	March	130
Ellsworth County					
Progress SE SE NW 10-16-10W	K & E Drlg., Inc. No. 1 Funk	Arbuckle	3,402-3,410	April	3,000
Progress Northwest NE SW NE 4-16-10W	The Henderson Oil Co. No. 1 Borecky	Arbuckle	3,303-3,311	July	1,520
Graham County					
Allodium SW SW SW 19-6-25W	Jones, Shelburne & Farmer, Inc. No. 1 Brown	Lans.-K.C.	3,740-3,745	May	98
Blazier NE SW SE 21-7-25W	Cities Service Oil Co. No. 1 Blazier	Lans.-K.C.	3,785-3,793 3,796-3,804	July	267
Brush Creek SE SE NW 4-9-23W	Imperial Drlg. Co., Inc. No. 1 Brown "C"	Lans.-K.C.	3,768-3,772	March	1,155
Dorman West SW NW NW 25-10-24W	Petroleum, Inc. No. 1 Billings	Lans.-K.C.	3,954-3,960	June	79
Elrick NW NW SW 15-10-25W	Empire Drlg. Co. et al. No. 1 Dinkel	Lans.-K.C.	3,931-3,936	Nov.	390
Glen Dale SW SW NW 23-9-24W	Empire Drlg. Co. No. 1 Nichelson	Lans.-K.C.	3,993-3,999	July	108
Holley North NE NE SE 29-8-24W	The El Dorado Refg. Co. No. 1 Keith	Lans.-K.C.	3,897-3,906	Dec.	301
Holley Northwest NE NE SW 32-8-24W	Herman Geo. Kaiser No. 1 Keith (now part of the Holley field)	Lans.-K.C.	3,906-3,911	May	306
Holley West NE NE NE 36-8-25W	I. W. Siegel No. 1 Schemberger	Lans.-K.C.	3,924-3,930	June	25
Hoof West SE SE NW 8-10-23W	Trans-Era Petro., Inc. et al. No. 1 Kurtz-Deitz	Lans.-K.C.	3,903-3,908	June	247
Huntington SE SE SW 7-7-25W	Benson-Montin et al. No. 1 Huntington	Lans.-K.C.	3,832-3,840	March	146
Law Southeast SW SW NE 12-10-23W	Heathman-Seelingson Drlg. Co. No. 1 Irwin	Penn. basal congl.	4,088-4,099	Jan.	357
Mildrexter NW NW NW 12-9-23W	Petroleum Management Co. No. 1 Mildretxer "A"	Lans.-K.C.	3,814-3,816	Oct.	31
Morel North NW NW NE 3-9-21W	R. W. Shields No. 1 Trembley	Penn. basal congl.	3,667-3,672	May	73
Prairie Glen Southeast NW NW NW 31-10-22W	Petroleum, Inc. No. 1 McCall "D"	Lans.-K.C.	3,594-3,602	July	373
Red Line SE SE NW 32-9-22W	Century Refg. Co. et al. No. 1 Ferrell	Lans.-K.C.	3,776-3,779	March	122
Red Line North NW NW SE 20-9-22W	J. F. Darby Oil Co. No. 1 Ferrell	Lans.-K.C.	3,676-3,680	Nov.	50
Greenwood County					
Salt Springs SE SE SW 23-26-12E	Bedell-Catt Drlg. Co. No. 1 Hodgson**	Arbuckle (1954)	2,037-2,039	Oct.	25
Hamilton County					
Helfrich Cen. SE SE 6-25-42W	United Producing Co., Inc. No. 1 Helfrich	Morrowan	5,040-5,050	Feb.	50
Harper County					
Grabs Northwest NW NW SW 15-31-9W	Rupp-Ferguson Oil Co. No. 1 Kennedy	Mississippian	4,416-4,420	Aug.	4,200,000 cu. ft. gas
Miller SE SE NE 11-33-8W	Aurora Gasoline Co. No. 1 Miller	Misener	4,895-4,900	Nov.	427
Spivey Southeast NW NW NW 1-31-8W	Champlain Refg. Co. No. 1 McIntire	Mississippian	4,380-4,387	June	1,250,000 cu. ft. gas & 31

TABLE 6.—*New oil and gas fields discovered in Kansas during 1955, continued*

County, field, and location of discovery well	Discovery well	Producing zone	Production depth, feet	Month of discovery	Initial production, bbl. per day
Kingman County					
Berthold SE SE NE 3-30-8W	Pickrell Drlg. Co. No. 1 Berthold	Mississippian	4,201-4,210	Nov.	11,000,000 cu. ft. gas
Dewey North NE NE SE 5-28-5W	Century Refg. Co., Inc. et al. No. 1 Ramsdale	Lans.-K.C.	3,248-3,251	April	43
Gilchrist SE NW NE 15-30-7W	Wilcox Oil Co. No. 1 Gilchrist	Lans.-K.C.	3,726-3,731	Dec.	444
McCutcheon NE NE NW 10-27-7W	Bay Petro Corp. et al. No. 1 McCutcheon	Viola	4,103-4,107	May	95
Rago SW SW NE 17-30-7W	Pickrell Drlg. Co. No. 1 Wells-Towner	Mississippian	4,147-4,153	Oct.	46
Reida SW NE SE 18-30-6W	The Texas Company No. 1 Reida	Simpson	4,502-4,506	Oct.	150
Reida West NW NW NE 23-30-7W	Aurora Gasoline Co. No. 1 Hufford	Mississippian	4,143-4,146 4,154-4,159	Nov.	178
Rochester SE SE NW 32-30-9W	Time Petroleum Co. No. 1 Folk	Mississippian (1954)	4,325-4,335	Dec.	5,850,000 cu. ft. gas
Spade NW NW NE 27-29-10W	Carter Oil Co. No. 1 Spade (Abandoned during 1955)	Mississippian	4,312-4,321	March	6
Spivey West W½ SE SW 17-30-8W	Magnolia Petro. Co. No. 1 Wells Unit	Mississippian	4,172-4,184	May	1,640,000 cu. ft. gas & 10
Sunny View SW SW SW 26-30-9W	Pickrell Drlg. Co. No. 1 Holcomb "A"	Mississippian	4,350-4,370	May	1,500,000 cu. ft. gas & 28
Trenton SE SW NE 27-29-7W	Cities Service Oil Co. No. 1 Voran	Mississippian	4,117-4,123	Jan.	1,047,000 cu. ft. gas
Zenda South NE SE NW 11-30-9W	The El Dorado Refg. Co. No. 1 McCalla (Now part of the Zenda field)	Mississippian	4,230-4,238	March	2,130,000 cu. ft. gas & 20
Kiowa County					
Betzer Cen. NE 34-29-16W	Graham-Messman-Rinehart Oil Co. No. 1 Betzer	Mississippian	4,632-4,647	Sept.	114
Haviland SW SW SW 17-28-16W	Murfin Drlg. Co. et al. No. 1 Bergner	"Kinderhook"	4,761-4,770	Oct.	5,210,000 cu. ft. gas & 489
Mullinville SE SW NE 11-28-20W	Armer Drlg. Co., Inc. et al. No. 1 McKinley	Mississippian	4,890-4,898	July	106
Nichols NE NE NW 20-29-18W	Gulf Oil Corp. No. 1 Nichols	Mississippian	4,997-5,003	March	7,218,000 cu. ft. gas
Pyle NE NE NE 16-29-16W	Gulf Oil Corp. et al. No. 1 Clara Pyle	Mississippian	4,666-4,680	Feb.	304
Soldier Creek SW SW NW 24-29-16W	Graham-Messman-Rinehart Oil Co. No. 1 Piester	Mississippian	4,598-4,608	March	153
Wellsford NW NW NE 15-28-16W	Falcon Seaboard Drlg. Co. et al. No. 1 Herring	Marmaton	4,680-4,688	Nov.	4,800,000 cu. ft. gas
McPherson County					
Harmac SE SE SE 35-21-3W	Brunson Drlg. Co., Inc. No. 1 Stucky	"Hunton"	3,521-3,525	Dec.	35
Lindsborg South SW SW NW 6-18-3W	Rupp-Ferguson Oil Co. No. 1 Landgren	Simpson	3,523-3,527	Jan.	25
Marion County					
French Creek SW NW SW 22-19-2E	Anderson-Prichard Oil Corp. No. 1 Jost	Simpson	3,020-3,025	Jan.	31
Unger SW SW NE 8-21-3E	Charles Carlock No. 2 Unger	"Hunton"	2,809-2,814	June	122
Meade County					
Leslie Cen. SW NE 3-33-30W	Colorado Oil & Gas Corp. No. 1-3 Leslie	Morrowan	5,668-5,684	June	1,073
Novinger Northwest Cen. SE NW 15-33-30W	Columbian Fuel Corp. No. 1 Armentrout "B"	Morrowan (1953)	5,718-5,746	Sept.	15,200,000 cu. ft. gas
Singley Cen. SE NE 20-33-29W	Lion Oil Co. No. 1 Singley	Morrowan	5,803-5,811 5,815-5,828	Oct.	8,080,000 cu. ft. gas

TABLE 6.—*New oil and gas fields discovered in Kansas during 1955, continued*

County, field, and location of discovery well	Discovery well	Producing zone	Production depth, feet	Month of discovery	Initial production, bbl. per day
Morris County					
Comiskey SW SW SE 23-16-9E	F. P. Drolte No. 1 Laura Jane	Viola	2,987-2,999	Dec.	D&A
Veal NE NE SE 30-17-7E	Stanolind Oil & Gas Co. No. 1 J. T. Veal	Ireland sand	1,234-1,240	July	1,250,000 cu. ft. gas
Morton County					
Elkhart Cen. SE NW 11-35-43W	Musgrove Petro. Corp. No. 1 Jones	Morrowan	4,558-4,572	June	2,579,000 cu. ft. gas
Taloga Cen. SW 34-34-42W	Colorado Oil & Gas Corp. No. 1-34 Central Life Unit	Morrowan	4,428-4,432 4,466-4,505	Sept.	82,000,000 cu. ft. gas
Ness County					
Davenport NE NE NW 36-16-21W	Petroleum Management Co. No. 1 Davenport	Cherokee	4,045-4,047	July	144
Vermilion Cen. SW NE 6-17-24W	The Ohio Oil Co. No. 1 Vermilion	Marmaton	4,385-4,396	Sept.	188
Pawnee County					
Carpenter NW SE NE 25-23-17W	Bay Petroleum Corp. No. 1 "A" Carpenter	Penn.-Mississippian contact	4,158-4,168	April	7
Carpenter West NW NE NW 26-23-17W	Bay Petroleum Corp. No. 1 Fisher	Cherokee	4,240-4,244	April	25
Garfield West NE NE NE 3-23-18W	Sterling Drlg. Co. No. 1 Strobel "A"	Penn. basal congl.	4,310-4,323	Feb.	39
Jab East NW NW NW 1-23-17W	Hilton Drlg. Co., Inc. No. 1 Lanterman (now part of the Garfield field).	Penn. basal congl.	4,150-4,156	Feb.	30
Hearn North SW SW SE 23-23-15W	Loffland Bros. et al. No. 1 Grizzell	Simpson	4,084-4,092	Feb.	1,634,000 cu. ft. gas
Shady North SE SE SE 14-22-16W	Anschutz Drlg. Co., Inc. No. 1 Schartz	Arbuckle	4,043-4,045	April	3,690,000 cu. ft. gas
Sweeney Southwest NW NW SE 25-21-16W	Harms-Burt Drlg. Co. No. 1 Spruill	Arbuckle	3,901-3,904	July	50
Pratt County					
Carver-Robbins NE NE NE 21-27-15W	Armer Drlg. Co., Inc. et al. No. 1 Robbins	Penn. basal congl.	4,472-4,482	Jan.	8,500,000 cu. ft. gas
Coats West NW SW NW 24-29-14W	Lario Oil & Gas Co. No. 1 Chastain	Lans.-K.C.	4,216-4,222	Jan.	2,500,000 cu. ft. gas
Earl North NE NE NW 36-28-14W	Orville H. Parker No. 1 Beard	Simpson	4,493-4,510	Aug.	30
Randle NW NE SW 5-26-14W	Skelly Oil Co. No. 1 Randle	Lans.-K.C.	3,946-3,954	Aug.	296
Reno County					
Beck SW NE NW 24-23-9W	F. Kirk Johnson No. 1 Beck	Penn. basal congl.	3,711-3,715	Nov.	20
Castleton SE NE NE 29-25-6W	Globe Oil & Refg. Co. No. 1 Hornbaker	Misener	3,992-3,998	July	141
Hilger Southwest NW NW NW 29-26-4W	Fleming & Woodman Drlg. Co. et al. No. 1 Geubelle	Viola	4,012-4,016	Feb.	232
Rice County					
Crawford Northwest SW SW SW 1-18-7W	E. H. Riggs et al. No 1 Newkirk	Penn. basal congl.	3,207-3,210	May	13
Dymond NE SW SE 18-21-7W	Dozier Oil Co. No. 1 Dymond	Mississippian	3,392-3,402	Dec.	60
Guldner SW NE SE 17-18-9W	H. L. Herbel No. 1 Guldner	Arbuckle	3,250-3,258	May	30
Lyons Southwest SE SW NW 22-20-8W	Brinrich Drlg. Co., Inc. No. 1 Tobias	Penn. basal congl.	3,251-3,262	June	2,600,000 cu. ft. gas

TABLE 6.—*New oil and gas fields discovered in Kansas during 1955, continued*

County, field, and location of discovery well	Discovery well	Producing zone	Production depth, feet	Month of discovery	Initial production, bbl. per day
Rooks County					
Amboy Southwest SE NW NW 17-10-20W	Jones, Shelburne & Farmer Inc. No. 1 Sutor "D"	Arbuckle	3,811-3,815	Sept.	6
Carmichael NE NW SW 33-8-18W	Petroleum Inc. No. 1 Carmichael-Moser	Lans.-K.C.	3,210-3,218 3,259-3,263	Feb.	474
Faubion (revived) SE NE NW 12-6-18W	Harold Krueger et al. No. 1 Faubion (12-6-18W)*	Lans.-K.C.	3,162-3,166	Sept.	24
Flagler SW SW NE 15-10-18W	Lee Phillips Oil Co. et al. No. 1 Flagler	Lans.-K.C.	3,445-3,451	May	98
Nettie Southeast NW NW SE 2-10-17W	Murfin Drlg. Co. No. 1 Loreg	Lans.-K.C.	3,268-3,271	Sept.	137
Rush County					
Rothe SE NE NW 31-17-16W	Morrison Drlg. Co., Inc. No. 1 Rothe	Lans.-K.C.	3,446-3,452	Jan.	4,000,000 cu. ft. gas
Webs Northwest SW SW NE 8-19-20W	Republic Natural Gas Co. No. 1 Sehl	Penn. basal congl.	4,240-4,242	Dec.	36
Sedgwick County					
Bentley (revived) NE NE NE 24-25-2W	Harry Hinton No. 1 Elliott (19-25-1W)*	Kansas City	2,886-2,890	Nov.	105
Brumley NW SW NW 19-29-1E	E. H. Adair Oil Co. et al. No. 1 Brumley	Mississippian	3,352-3,360	Oct.	20
Gladys South W½ NW SW 5-29-1E	Petroleum, Inc. No. 1 Howell	Mississippian	3,194-3,210	June	33
Gladys Southeast S½ N½ NW 4-29-1E	E. H. Adair Oil Co. No. 1 Blood	Mississippian	3,150-3,165	June	80
Kechi (revived) SW SW NW 13-26-1E	H. J. Uhl No. 1 Strickland (6-26-1E)*	"Burgess"	3,009-3,011	Aug.	20
Schulte South SW SW NE 18-28-1W	Time Petro. Co. No. 1 Dugan	Mississippian	3,390-3,401	Aug.	25
Seward County					
Massoni Cen. NW SE 5-33-31W	Cabot Carbon Corp. No. 1 Massoni	Toronto	4,270-4,280	Dec.	8,000,000 cu. ft. gas
Shuck Cen. NE SW 20-33-34W	Panhandle Eastern Pipe-line Co. No. 2-20 Shuck	Morrowan	5,987-6,000	April	5,000,000 cu. ft. gas
Sheridan County					
Chicago NW NW SE 35-6-27W	Barnett Oil Co. No. 1 Reed	Lans.-K.C.	3,902-3,906	Nov.	D&A
Custer NW NW SE 12-10-26W	Jones, Shelburne & Farmer, Inc. No. 1 Custer	Lans.-K.C.	4,024-4,029	March	320
Studley Southeast SE SE NE 26-8-26W	Jones, Shelburne & Farmer, Inc. No. 1 Pratt	Lans.-K.C.	3,872-3,880	April	255
Stafford County					
Clarksburg (revived) NE NE SW 36-22-13W	Arnold Kimmes et al. No. 1 Long (1-23-13W)*	Lans.-K.C.	3,576-3,582	June	237
Farmington Northeast SE SE SE 26-24-15W	Homer Wilcox No. 1 Blount	Arbuckle	4,416-4,428	Oct.	166
Happy Valley Northeast SW SW NE 11-23-13W	Oil Capitol Corp. No. 1 Ward	Arbuckle	3,857-3,867	July	147
Max North NE NE SE 27-21-12W	Anschutz Drlg. Co., Inc. No. 1 Shumway	Arbuckle	3,628-3,630	Jan.	52
Pleasant Grove South NE NE SE 35-22-12W	Thunderbird Drlg. Co., Inc. No. 1 Rogers	Arbuckle	3,611 (top)	Sept.	D&A
Sumner County					
Kerschen SW NW NW 17-31-3W	South Texas Devlopment Co. No. 1 Kerschen	Lans.-K.C.	3,267 (top)	May	79
Norris SE SE NW 3-34-2E	Natural Gas and Oil Corp. No. 1 Norris	"Layton"	2,785-2,788	June	25

TABLE 6.—*New oil and gas fields discovered in Kansas during 1955, concluded*

County, field, and location of discovery well	Discovery well	Producing zone	Production depth, feet	Month of discovery	Initial production, bbl. per day
O'Hara NE SE NW 18-32-1W	Stelbar Oil Corp., Inc. No. 1 O'Hara	Lans.-K.C.	3,256-3,264	April	423
Rutter (revived) NW NW NE 21-33-2E	Alladdin Petro. Corp. No. 1 Melick (21-34-2E)*	Mississippian	3,283-3,294	July	25
Wellington Northeast NE NE NE 27-31-1W	Aladdin Petro. Corp. No. 1 Voils	Mississippian	3,659-3,664	May	258
Trego County					
Groff Southeast Cen. NE SE 35-14-21W	Wick's Petro. Co. No. 1 Wagoner	Marmaton	3,824-3,828	May	480
Homburg SE SW SW 11-13-21W	Stanolind Oil & Gas Co. et al. No. 1 Homburg	Marmaton	3,800-3,810	Nov.	33
Wilson County					
Coyville West NE SW NE 25-27-13E	Time Petroleum Co. No. 1 Harvey	"Squirrel" (1954)	1,098-1,106 1,112-1,120	.....	Oil
Woodson County					
McWherter NE SE NW 35-26-13E	Swearingin & Carlson No. 1 McWherter	Mississippian	1,417-1,420	Dec.	25

* Location of original discovery well.
** Old well worked over.

TABLE 7.—*New oil or gas zones in old producing fields, 1955*

County, field, and location of discovery well	Discovery well	Producing zone	Production depth, feet	Month of discovery	Initial production, per day, bbl.
Barber County					
Boggs SE NW SE 16-33-12W	Skelly Oil Co. No. 1 Boggs "F"	Mississippian	4,494-4,532	April	12
Clara SW SW NE 2-30-14W	Ashton Oil Co. No. 1 Kiras	Marmaton	4,381-4,389	July	4,500,000 cu. ft. gas
Hardtner N½ S½ NW 5-35-12W	Barbara Oil Co., et al. No. 1 Bank Unit	Cherokee	4,791-4,799	June	18,955,000 cu. ft. gas
Medicine Lodge SE 24-33-14W	Gramehart-Miller Oil Co. et al. No. 1 Lenker "A"	Marmaton	4,664-4,674	Jan.	100
Nippawalla SE SE SW 24-33-12W	Aurora Gasoline Co. No. 1 Long	Mississippian	4,541-4,560	Oct.	2,400,000 cu. ft. gas
Barton County					
Axman SW SW SE 18-17-14W	Rocket Drlg. Co. No. 1 Hester	Lans.-K.C.	3,136-3,158	Feb.	75
Beaver South SE SE NE 34-16-12W	Shields Drlg. Co., Inc. No. 3 Jenish	Lans.-K.C.	3,154-3,158	Nov.	50
Carroll North NW NW NE 17-17-14W	Coppinger Drlg., Inc. No. 1 Boyle "B" (Now part of the Capitol View field)	Lans.-K.C.	3,197-3,199	May	108
Fort Zarah North SE NW NE 19-19-12W	W. L. Hartman No. 1 Schermuly	Arbuckle	3,436-3,439	May	25
Heizer West SW SW NE 17-19-14W	Skelly Oil Co. No. 1 Everett	Lans.-K.C.	3,237-3,246	Dec.	287
Hoisington East SE NW SE 23-17-13W	E. K. Carey No. 4 Munns	Lans.-K.C.	3,140-3,162	Sept.	100
Hoisington Southwest S½ SW SE 20-17-13W	J. F. Darby Oil Co. No. 1 Hull	Lans.-K.C.	3,282-3,287	Nov.	190
McCauley SE SW SW 34-17-13W	Skelly Oil Co. No. 1 Sausan	Arbuckle	3,366-3,372	Oct.	28
Red Brick E½ E½ SW 26-19-13W	Chas. Hulme Drlg., Contractor No. 1 Hammond	Arbuckle	3,448-3,452	May	143
Roesler SE SE SE 12-18-11W	Wood River Oil & Refg. Co., Inc. No. 5 Hertach	Lans.-K.C.	3,208-3,216	Nov.	24

TABLE 7.—*New oil or gas zones in old producing fields, 1955, continued*

County, field, and location of discovery well	Discovery well	Producing zone	Production depth, feet	Month of discovery	Initial production, per day, bbl.
Silica South N½ SW SW 14-20-11W	N.C.R.A. No. 7 Langfeld	Douglas	2,950-2,956	April	30
Templing NW NE NW 23-16-14W	Rex & Morris Drlg. Co. No. 2 Templing	Arbuckle	3,402-3,409	Nov.	114
Cowley County					
Pudden SW NE SE 16-35-4E	M&F Company No. 1 Owens	Lans.-K.C.	2,332-2,342	Nov.	10
Wilmont-Floral NE SW SW 30-31-5E	Stewart Oil Co. No. 2 Tanner	"Bartlesville"	2,910-2,918	Nov.	40
Edwards County					
Embry C W½ NW SW 23-24-16W	Branine-Holl No. 1 Embry**	Mississippian	4,231-4,239	Jan.	2,800,000 cu. ft. gas
Sturgeon SE SE NW 33-26-18W	Gramehart-Miller Oil Co. No. 1 Sturgeon**	Lans.-K.C.	4,223-4,248	Dec.	120
Ellis County					
Bemis-Shutts N½ NE SW 20-11-17W	Murfin Drlg. Co. No. 1 Hadley "B"	Penn. basal congl.	3,416-3,445	Dec.	53
Burnett N½ NE NW 20-11-17W	Champlin Refg. Co. No. 3 Hadley "D"	Penn. basal congl.	3,427-3,455	Nov.	50
Karlin SW NW SW 14-13-17W	Oil Trading Corp. et al. No. 1 Kuhn	Arbuckle	3,447-3,486	Aug.	50
Kraus West SE SE NE 20-14-19W	Sunray Oil Corp. et al. No. 1 Kraus	Arbuckle	3,819-3,833	May	118
Pleasant NW NW SE 34-13-20W	Lewis Drlg. Co. No. 2 Kingsley	Lans.-K.C.	3,569-3,572	Dec.	30
Sessin SW SW NE 15-11-19W	Okmar Oil Co. No. 3 Sessin "B"	Shawnee	2,969-2,976	Nov.	11
Solomon E½ SW SW 14-11-19W	Trans-Era Petro., Inc. No. 2 Vine	Lans.-K.C.	3,229-3,233	Nov.	88
Solomon SE NW SW 22-11-19W	Skelly Oil Co. No. 4 Allen	Topeka	2,990-2,994	May	26
Wheatland Southeast SE SE NE 29-15-17W	Cooperative Refg. Ass'n. No. 1 Schiefelbein	Penn. basal congl.	3,526-3,532	Aug.	90
Graham County					
Faulkner W½ NW NW 35-10-22W	Petroleum, Inc. No. 1 Noah "D"	Marmaton	3,844-3,860	July	100
Harmony NE SW SW 33-7-22W	Nadel & Gussman No. 2 Morphew	Arbuckle	3,776-3,782	Dec.	25
Law Southeast NE NE NW 12-10-23W	Heathman-Seelingson Drlg. Co. No. 1 Griffith "F"	Lans.-K.C.	3,869-3,879	July	161
Sand Creek NW NW SE 22-8-21W	Schermerhorn Oil Corp. No. 1 Newell "A"	Arbuckle	3,578-3,588	Nov.	47
Van NE NE NE 14-9-22W	N.C.R.A. No. 2 Van Loenen**	Lans.-K.C.	3,580-3,584	Oct.	114
White Southwest SE SE NW 36-10-21W	Harry Gore No. 6 C. V. Lewis	Lans.-K.C.	3,539-3,543	Jan.	97
Kiowa County					
Soldier Creek SE SE NE 23-29-16W	Graham-Messman-Rinehart Oil Co. No. 1 Piester "A"	Cherokee	4,599-4,603	June	117
Meade County					
Novinger Northwest Cen. SW NE 15-33-30W	Shamrock Oil & Gas Corp. No. 1 Clara Vail	Lans.-K.C.	4,553-4,557	Aug.	188
Morton County					
Interstate Cen. SE SE 30-34-43W	Stanolind Oil & Gas Co. No. 1 K.C. Life	Morrowan	4,210-4,216	June	314

TABLE 7.—*New oil or gas zones in old producing fields, 1955, continued*

County, field, and location of discovery well	Discovery well	Producing zone	Production depth, feet	Month of discovery	Initial production, per day, bbl.
Pawnee County					
Carpenter (twin) NW SE NE 25-23-17W	C. U. Bay No. 1-A Carpenter	Marmaton	4,123-	April	7
Jay SW NW NW 3-23-15W	Phillips Petro. Co. No. 2 Guffey "A"	Lans.-K.C.	3,668-3,674	July	105
*Sweeney SE SE NE 18-21-15W	Graham-Messman-Rinehart Oil Co. No. 2 Dufford "B"	Penn. basal congl.	3,727-3,733	April	3,500,000 cu. ft. gas
Pratt County					
Chance SW NE SE 5-27-13W	R. W. Rine Drlg. Co. No. 1 Phillips "B"	Marmaton	4,137 (top)	Aug.	5½
Chance East NW NE NW 35-26-13W	R. W. Rine Drlg. Co. No. 3 Hoener "B"	Arbuckle	4,323-4,340	Jan.	169
Chance East SE NW SW 35-26-13W	R. W. Rine Drlg. Co. No. 2 Briggeman "B"	Simpson	4,296-4,309	June	85
*Earl SW SW SE 36-28-14W	Lario Oil & Gas Co. No. 1 Earl Moore	Lans.-K.C.	4,223-4,227	Sept.	207
Fitzsimmons South NW SW NE 6-28-13W	R. W. Rine Drlg. Co. No. 1 Mowbray	Lans.-K.C.	4,124-4,128	Nov.	18
Reno County					
Hilger Southwest NE NE NE 30-26-4W	Fleming & Woodman Drlg. Co. No. 1 Hilger	Misener	3,955-3,957	July	27
Rice County					
Windom NE NE SE 24-19-6W	Petroleum Management Co. No. 1 Swanson	Penn. basal congl.	3,412-3,418	Jan.	27
Rooks County					
Allphin Northwest S½ NE 32-10-20W	Heathman-Seelingson Drlg. Co. No. 6 Wait	Lans.-K.C.	3,638-3,644	Jan.	132
Barry Southeast SE SW NW 7-9-18W	F. P. Hambright No. 1 Werner	Lans.-K.C.	3,228		
Dopita Southeast SE SE NW 5-9-17W	Grant Oil Co. No. 1 Diehl (Now part of the Dopita field)	Arbuckle	3,439-3,446	Jan.	27
Lone Star NW SW NW 9-8-17W	V. D. Sidey Drlg. Co. No. 4 Arndtz	Lans.-K.C.	3,259-3,265	June	46
Williams SE NW SW 9-10-18W	Midstates Oil Corp. No. 2 Ordway	Toronto	3,386-3,392	Jan.	47
Zurich Townsite NE NW SE 27-9-19W	Cities Service Oil Co. No. 2 Sikes	Lans.-K.C.	3,462-3,479	June	256
Scott County					
Grigston NE NE NW 10-19-31W	H&H Drlg. Co. No. 1 Popp	Mississippian	4,577-4,587	May	63
Sedgwick County					
Gladys NW NE NE 36-28-1W	E. H. Adair Oil Co. No. 3 Wright	Lans.-K.C.	2,773-2,777	July	94
Stafford County					
*Kachelman SW SE SE 7-25-13W	Cooperative Refinery Ass'n. No. 1 O'Dell "A"	Arbuckle	4,294-4,304	Feb.	29
*Kachelman NE NE NE 18-25-13W	National Coop. Ref. Ass'n. No. 1 Curtis	Lans.-K.C.	3,946-3,949	Jan.	135
Lincoln Northwest SE SE SE 20-21-14W	D. R. Lauck Oil Co., Inc. et al. No. 1 Fullerton	Simpson	3,748-3,760	Dec.	257
*Mt. View SW NW SW 28-22-13W	Stanolind Oil & Gas Co. No. 1 Hingey	Arbuckle	3,858-3,861	Nov.	26
St. John Northwest NE NW NW 20-23-13W	D. R. Lauck Oil Co., Inc. No. 2 Schulz	Arbuckle	3,956-3,962	Sept.	40
Shaeffer SW SW NE 4-21-13W	Hilton Drlg. Co., Inc No. 1 Sharp	Penn. basal congl.	3,519-3,531	Aug.	80
Shaeffer NE NE SW 4-21-13W	The Texas Company No. 1 Koopman	Simpson	3,536-3,546	June	79

TABLE 7.—*New oil or gas zones in old producing fields, 1955, concluded*

County, field, and location of discovery well	Discovery well	Producing zone	Production depth, feet	Month of discovery	Initial production, per day, bbl.
Sumner County					
Padgett West SW NE NW 28-34-2E	Ayesh Oil Co. No. 2 Tinsley-Nichols	Mississippian	3,519-3,525	Jan.	25
Trego County					
Ellis NW SE NW 1-13-21W	Rex & Morris Drlg. Co. et al. No. 1 Spilker "B"	Reagan	3,827-3,831	Aug.	63

** Old well worked over.

Abandoned and combined fields.—There were 17 fields officially abandoned in 1955. Data on the discovery wells and cumulative production of the abandoned fields are included in the county write-ups. During 1955 also, 44 oil or gas fields were combined with other fields. As has been the custom of the Survey, the outline of an abandoned field is omitted from the map in this bulletin.

Wells drilled during 1955.—There were 5,136 wells recorded as being drilled in the state during 1955. It is certain that numerous shallow wells in several eastern Kansas counties were not recorded and thus are not included in this tabulation. It is estimated from reliable sources other than scout reports that at least 2,689 such unreported wells were drilled in 1955. Of the reported tests, 2,432 were oil wells, 385 were gas wells, 2,052 were dry and abandoned holes, and 267 were salt-water disposal or input wells drilled in connection with secondary recovery operations. New field discoveries and field revivals accounted for 149 of the oil and gas wells; 666 of the dry holes were dry wildcat tests.

In each of 8 counties more than 200 wells were recorded as drilled in 1955. For the first time in many years, Sedgwick County led all others with 339 new wells. Following in order were Graham (335), Cowley (331), Barton (295), Ellis (278), Pawnee (249), Sumner (222), and Barber (206). These 8 counties accounted for 44 percent of the total number of recorded wells drilled in the state during 1955.

Test wells drilled within 1½ miles of the outside boundaries of producing fields are called extension wells and are not shown on the maps in this bulletin. Test wells resulting in dry holes drilled outside this 1½ mile limit are classed as "wildcat wells" and are shown by symbols on the maps. Tables of dry wildcat

wells for counties having 4 or more such tests during 1955 are included in the county write-ups.

The tops of the various formations listed in the tables were determined through the use of electric logs if they were available. An asterisk in front of the well name in the tables indicates that no electric log is available for that well. In such cases various sources of information have been used to determine the tops of the formations. These include the Kansas Sample Log Service, Independent Oil and Gas Service, drillers logs, and other sources within the Survey.

As field boundaries are rarely exact, the classification of wildcat wells becomes somewhat arbitrary. Hence, the total number of wildcat wells the reader may obtain from different sources is likely to vary somewhat.

For the purpose of the tables, wells counted as 1955 completions are those that have been finished within the year and that have been drilled to completion in one operation. Old wells worked over, although completed as producing wells, are not counted as 1955 completions. The wells abandoned in 1955 as dry and then converted to salt-water disposal have been classed as dry holes, unless it was plain that they were drilled expressly for salt-water disposal.

Well elevations.—Elevations of many wildcat tests in the state are given in tables or in the text. Publication of elevations of many wildcat wells was made possible through the cooperation of Laughlin-Simmons and Company, Tulsa, Oklahoma.

Eastern Kansas counties.—Counties lying wholly east of the Sixth Principal Meridian are regarded as being in eastern Kansas, an area that has been treated separately in some reports (Jewett, 1954) and is treated somewhat differently in this report. Plate 1 is a map of eastern Kansas showing locations of areas from which oil was produced during 1955 and locations of secondary recovery projects.

Developments in eastern Kansas in 1955 included the search for shallow reservoir rocks in which commercial wells can be completed by hydraulic fracturing methods, and increased drilling for Arbuckle and Mississippian production in Chautauqua, Montgomery, and Elk Counties. Some fields were opened, some joined, and some extended.

Much oil is produced in eastern Kansas by secondary recovery methods, especially water flooding. In 1955 the total oil produc-

tion by secondary recovery methods, including an estimate of those projects not reporting specifically, exceeded 15 million barrels. Data on secondary recovery operations are listed in Table 1.

Acknowledgments.—T. A. Morgan, J. P. Roberts, D. C. Lilley, and H. A. Beverlin of the Conservation Division of the State Corporation Commission have for a long time cooperated to the fullest extent with the Geological Survey. Without their cooperation this report would not be possible.

It would have been impossible to assign much of the oil production in eastern Kansas to definite areas or even to counties without the cooperation of the several persons and organizations who are sending monthly oil purchase reports to the Survey and who have helped in other ways. Thanks are expressed to: A. J. Becker; Marvin E. Boyer; Cities Service Oil Company; Continental Oil Company; Cooperative Refinery Association; The El Dorado Refining Company; Virgil Gamble; Joplin Refining Company; Anderson-Prichard Oil Corporation; Kansas City Testing Laboratory; Joe Maclaskey; W. L. Maclaskey; M.F.A. Oil Company; Sinclair Oil and Refining Company; Sinclair Oil & Gas Company; Skelly Oil Company; Skiles Oil Corporation; Standard Oil Purchasing Company; Stekoll Petroleum Company; and White Eagle Purchasing Company, Inc.

Thanks are given to the various members of the Kansas Nomenclature Committee, Kansas—Oklahoma Division of the Mid-Continent Oil and Gas Association, for supplying their data on the new oil and gas pools discovered during the year and for their area descriptions of existing pools.

Thanks are extended to numerous companies and individuals who have contributed information on secondary recovery production and drilling activities connected with secondary recovery for the year. Numerous persons and companies also have contributed gas production figures for the year.

Many persons engaged in various phases of the petroleum industry in Kansas have been generous in providing data that have been used in this report. Here should be listed Virgil Cole, Mack C. Colt, John A. Edwards, Lee Garrett, Thomas W. Lee, William McHugh, J. H. Page, Carl L. Pate, W. L. Stryker, Charles W. Studt, Joe Svoboda, Albert Sweeney of the Interstate Oil Compact Commission, Bufford Welch, Harvel White, and Earl A. Whitworth.

Special thanks are due to Laughlin-Simmons and Company of Tulsa, Oklahoma, for permission to publish certain well elevations and to J. D. Davies of the Kansas Sample Log Service for permission to use data on some rank wildcat tests drilled during the year. We wish to acknowledge also the Independent Oil and Gas Service's scouting service, which has been most helpful.

The Survey is pleased to acknowledge assistance from Vance E. Rowe of Petroleum Statistical Guide, Inc., in supplying a large part of the crude oil production figures, and from D. R. Dwight of Dwight's Oil and Gas Reports, who made available production figures for the Hugoton Gas Area.

SECONDARY RECOVERY

Repressuring of oil-bearing rocks by injection of water, air, or gas, or a combination of these agents has become a principal method of oil production in Kansas since official sanction and status were given the practice through the passage of a law in Kansas in 1935. Grandone (1944) reported that after passage of the law, the first legal project was organized by the York State Oil Company in the Seeley pool of northern Greenwood County in May 1935. Pointing up the significance of the secondary recovery activities in the state, especially in the Cherokee basin and the southern part of the Forest City basin, is the fact that production has risen from an estimated 5 million barrels in 1942 to more than 15.1 million barrels in 1955, accounting for about 12.4 percent of the state's total production that year. The reported production for 1955 totaled 11,881,346 barrels, and the figure of 15.1 million barrels is reached by adding an estimate of those operations not reporting specifically.

Table 1 lists the secondary recovery operations in the state for which questionnaires were returned. The 188 projects listed reported a total of 6,414 wells producing oil by secondary recovery methods and 4,511 wells utilized as input wells for injection of a repressuring medium. Of the total projects reporting, 169 are located east of the Sixth Principal Meridian, which runs north and south through Wichita.

Greenwood County as in past years led all other counties in the number of projects operating as well as in production attributable to secondary recovery (Table 8). During 1955, the 48 proj-

TABLE 8.—*Data on eight counties producing oil by secondary recovery in 1955*

County	Number of projects	Total oil production, bbl.	Est. secondary recovery oil production, bbl.	Secondary as percent of total production
Allen	12	806,836	709,201	87.9
Anderson	7	732,416	417,130	57.0
Butler	26	8,469,378	3,526,419	41.6
Franklin	4	376,674	310,525	82.4
Greenwood	48	6,485,392	5,401,273	83.3
Miami	8	676,726	552,731	81.7
Montgomery	15	1,097,661	658,249	60.0
Neosho	11	634,699	474,592	74.8

ects in Greenwood County produced more than 5.4 million barrels of oil. The 26 projects in Butler County, the second largest producer of oil by secondary recovery methods, yielded more than 3.5 million barrels. These two counties accounted for more than half the oil produced through repressuring projects in Kansas.

The following zones listed in the order of their importance provided the bulk of the oil produced by secondary recovery methods: "Bartlesville sand", "Peru sand", and "Wayside sand". Salt water was used for repressuring in most of the Kansas projects. Of the many subsurface zones from which salt water is obtained for repressuring, the three main ones are sandstone of the Douglas group, Arbuckle dolomite, and the "Bartlesville sand". Principal sources of fresh water are shallow ground-water reservoirs, lakes, streams, and municipal water supplies. Where combined fresh and salt water is used the brine is obtained commonly from the local oil-producing formation. Treatment of salt water includes aeration, addition of chemicals, settling, and filtration, singly or in various combinations. Fresh water requires treatment more commonly than brines. Such treatment includes addition of lime, chlorine, or alum, and settling and filtering, or some combination of these. Most users of combined fresh and salt water use treating methods.

In general, ground water is the most satisfactory type for water flooding, because the quality of river water varies greatly with the seasons; hence the treatment necessary varies from time to time. Ground water usually remains uniform in chemical composition for long periods; therefore any treatment required before injection remains relatively constant.

NATURAL GAS

The shipping of natural gas through extensive pipe-line systems across state lines and the approval of new cross-country lines come under the jurisdiction of the Interstate Commerce Commission and the Federal Power Commission, respectively. The apportionment of new lines and approval of transmission of gas is based on the considerations of the greatest good to the greatest mass of people and on economic investment values. Considering these bases, Kansas, ranking fifth among the gas-producing states, fourth in reserves, yet with a relatively small population, has only a minor voice in the eventual use of the gas. Among Kansans, the producers, of course, want to export excess gas for income, which returns to the state. On the other side of the question is the Kansas consumer, both domestic and industrial, who desires retention of the natural resource within the state's borders, arguing that exportation of our natural gas is depleting our reserves. As indicated in Figure 3, a significant portion of our annual gas production is being exported; however, it is to be noted that the state's consumption as a percentage of the total product, which includes domestic production and imports (Table 9), is now 68.7 percent, the highest it has been in recent years. Both domestic and industrial use of natural gas within the state have risen over the last few years.

Production and use.—The amounts of natural gas produced from the principal Kansas fields during 1955 are shown by county in Table 58. Production in the "eastern Kansas" fields, which reached their peak production about 50 years ago, was less than 1 percent, and production from the Hugoton Gas Area in southwestern Kansas was more than 85 percent of the state's total for 1955.

Table 9 and Figure 3, showing some statistics on Kansas natural gas from 1952 through 1955, reveal some important trends. The production of natural gas from 1952 through 1955 showed annual increases except for 1954. During 1955, importation from outside the state increased only 0.9 percent and exportation of natural gas increased a little more than 5.5 percent. Total Kansas domestic and industrial consumption, omitting carbon black, is at an all-time high. The use of natural gas in the carbon black industry in Kansas is supplemented by the use of natural gas liquids. Production of carbon black increased almost 89 percent

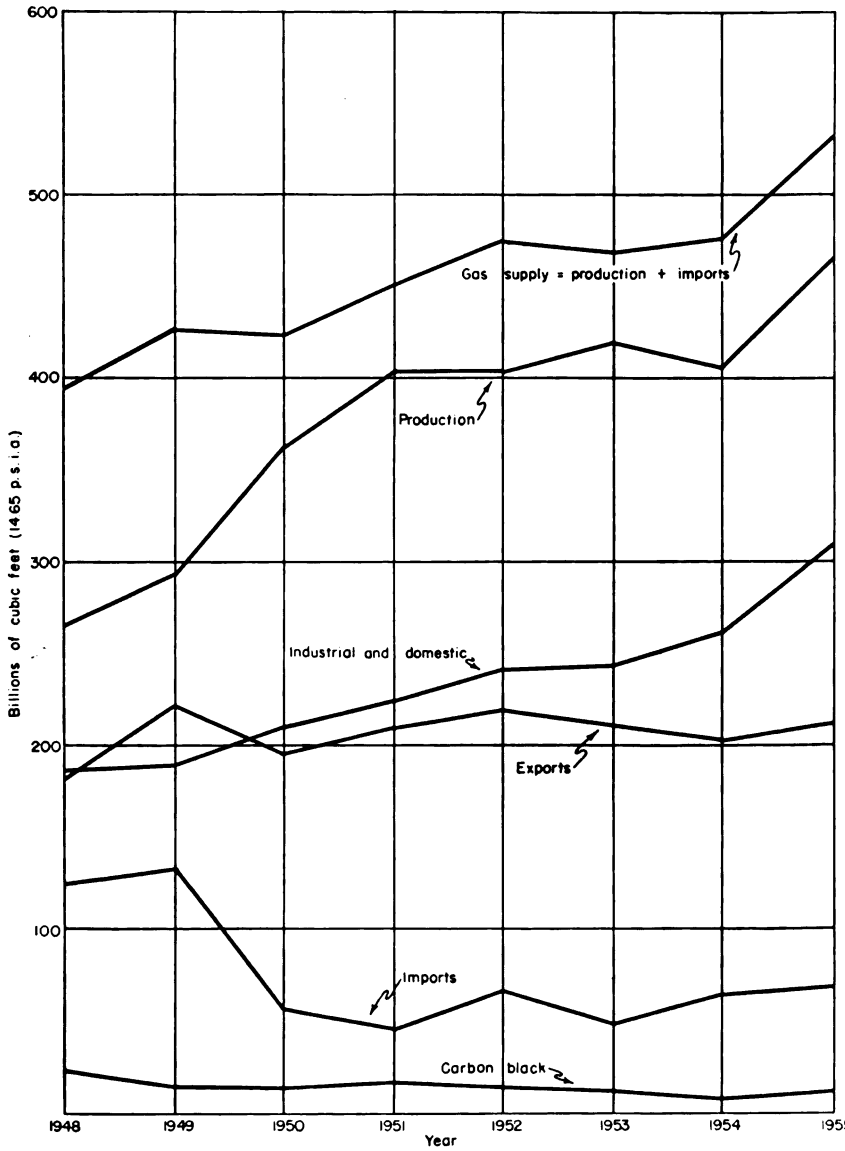

FIG. 3—Use and distribution of Kansas natural gas.

TABLE 9.—*Statistical summary of Kansas natural gas production and use, 1952-1955**

	Billions of cu. ft. at 14.65 psia				Percentage change, 1954-1955
	1952	1953	1954	1955	
Natural gas produced in Kansas	408.7	420.6	405.8	466.2	+15.8
Imported from outside the state	67.2	48.2	65.5	66.1	+ 0.9
Total to account for	475.9	468.8	471.3	532.3	+12.9
Gas consumed in Kansas during year					
Domestic	101.9	102.0	104.2	111.3	+ 6.8
Industrial, misc., and losses	138.9	141.0	156.2	197.0	+26.2
Carbon black	15.6	10.9	8.9	10.9	+22.5
Total Kansas consumption	256.4	253.9	269.3	319.2	+18.5
(Consumption as pct. of prod.)	(62.7)	(60.4)	(66.4)	(68.7)	+ 2.3
Exported from state	219.5	214.9	202.0	213.1	+ 5.5
Total	475.9	468.8	471.3	532.3	+12.9

* Figures provided by Conservation Division, Kansas Corporation Commission.

during 1955. About 41 percent of our total gas (produced and imported) was exported during 1955. This percentage of exportation of natural gas is believed to be a smaller proportion than most Kansans realize.

New developments.—Table 6 shows that 31 new gas fields (25 gas, and 6 oil and gas) were discovered in Kansas during 1955. Of the new fields, 14 produce gas from Mississippian rocks, 5 from Morrowan strata, and 4 from the Pennsylvanian basal conglomerate. The Mississippian strata have been found productive in the south-central counties, Kingman, Kiowa, Barber, Clark, and Harper. The new gas fields are in the southwestern counties, Meade, Morton, and Seward.

In the Greenwood Gas Area, Morton County, which is limited by definition to gas-bearing rocks of the Lansing—Kansas City group and younger, 100 gas wells were completed. During 1955, gas production from 142 wells in the field totaled more than 27 billion cubic feet.

The Hugoton Gas Area.—The Hugoton Gas Area, with its extension across the Oklahoma "strip" and well into the Texas panhandle, is regarded as containing one of the world's largest known gas reserves. Production from the Kansas portion of the field, more than 50 percent of the total, is shown by years in Table 10. It is significant to the state's economy that production from the Kansas portion of the field has increased from about 37 billion cubic feet annually in 1940 to a high of 394 billion cubic feet in 1955.

TABLE 10.—*Production from the Kansas part of Hugoton Gas Area, 1940-1955*

Year	M cu. ft. gas (14.65 psia)	Year	M cu. ft. gas (14.65 psia)
1940	37,083,797	1948	185,872,594
1941	40,759,482	1949	247,868,876
1942	46,365,484	1950	320,545,480
1943	70,921,532	1951	371,002,475
1944	92,922,821	1952	375,081,748
1945	90,345,203	1953	387,635,243
1946	119,637,983	1954	346,732,192
1947	157,663,036	1955	394,257,153

The Defenders and Traders Gas Company's successful gas well in 1922, in sec. 3, T. 35 S., R. 34 W., Seward County, has been accredited as the discovery well of the Hugoton Gas Area proper. The well opened the Liberal gas field, which has since been joined to the Hugoton Gas Area. Rapid development of the huge gas reservoir in southwestern Kansas came in the early 1940's. The number of producing gas wells in the field passed the 2,000 mark and the area reached 2 million acres by the end of 1949. At the end of 1955, there were 3,509 producing gas wells, and the area of the Kansas part of the Hugoton Gas Area was about 2,639,300 acres. It includes two entire counties (Stevens and Grant) and parts of seven others (Finney, Hamilton, Haskell, Kearny, Morton, Seward, and Stanton). Revised figures on the number of wells drilled each year since 1948 and the cumulative totals are given in Table 11.

TABLE 11.—*Gas wells drilled in Hugoton Gas Area since 1948, by counties*

	1947	1948	1949	1950	1951	1952	1953	1954		1955	
	Cumulative	Drilled	Drilled	Drilled	Drilled	Drilled	Drilled	Drilled	Cumulative	Drilled	Cumulative
Finney	66	20	76	47	19	49	73	72	422	49	471
Grant	269	65	89	36	68	29	6	5	567	3	570
Hamilton	2	2	2	1	8	8	10	4	37	0	37
Haskell	127	44	42	39	33	30	27	39	381	40	421
Kearny	155	49	71	51	56	75	72	44	573	27	600
Morton	61	25	6	52	62	27	31	14	278	9	287
Seward	26	22	41	91	51	10	19	42	302	21	323
Stanton	94	31	9	17	25	7	27	24	234	0	234
Stevens	470	75	77	63	16	17	4	20	742	5	747
Total	1,270	333	413	397	338	252	239	268	3,536	154	3,690

TABLE 12.—*County production and cumulative total Hugoton Gas Area**

County	Cumulative production to end of 1954, M cu. ft.	1955 production, M cu. ft.	Cumulative production to end of 1955, M cu. ft.
Finney	179,796,813	34,013,718	213,810,531
Grant	612,768,003	84,458,345	697,226,348
Hamilton	12,785,932	5,196,385	17,982,317
Haskell	218,379,750	32,768,432	251,148,182
Kearny	408,030,430	59,523,103	467,553,533
Morton	184,615,657	30,469,944	215,085,601
Seward	128,612,325	23,334,636	151,946,961
Stanton	74,870,444	15,438,885	90,309,329
Stevens	1,267,573,081	109,053,705	1,376,626,786
Total	3,087,432,435	394,257,153	3,481,689,588

* Base 14.65 psia.

Through assistance of the Conservation Division of the Kansas Corporation Commission and Mr. D. R. Dwight of Dwight's Oil and Gas Reports, county production figures and county cumulative totals have been prepared for this bulletin. These data are given in Table 12.

The Hugoton Gas Area has been limited by definition by the Kansas Nomenclature Committee to gas producing formations in the Chase group of the Permian System. The lateral stratigraphic or structural features of the gas producing area are not clearly known, so that the outline of the producing area changes with each new well drilled on the borders. Plate 3 shows that the approximate boundaries of the Hugoton Gas Area as outlined at the end of 1955 by wells having reported initial daily capacity of 1 million cubic feet or more. Gas wells drilled previous to 1955 are not shown on Plate 3. The porosity of the rocks of the Chase group in the Hugoton Gas Area seems to control productivity.

Wells having initial capacity less than 1 million cubic feet per day after acidization may not be saved by the larger companies; wells producing 5 to 15 million cubic feet per day are usual, and big wells produce more than 30 million cubic feet of gas per day. The average depth of the producing zone is about 2,500 feet.

The Hugoton Gas Area is under rigid proration by the Kansas Corporation Commission, Division of Conservation. Commonly only one well may be drilled in each 640 acres, and allowable production for wells or groups of wells is established on a monthly basis in a manner designed to conserve the gas supply.

Gas from the Hugoton Gas Area is of fairly good quality as indicated by Table 13. It yields about 0.5 gallons of natural gasoline condensate per thousand cubic feet, and has a heating value of roughly 1,000 B. t.u. per cubic foot. Most of the natural gasoline plants are within the borders of the Hugoton Gas Area, as are the two operating carbon black plants.

Reserves of the Kansas part of the Hugoton Gas Area are discussed under reserves of natural gas and natural gas liquids.

Natural gasoline and other liquified petroleum gas production. —There were 15 natural gasoline plants reported operating in Kansas at the end of 1955, the same as the previous year. The daily average production of natural gasoline and LPG in 1955, as reported by the Conservation Division of the Kansas Corporation Commission, was 13,478 barrels, compared to 12,640 the previous year. A list of producing plants and type of production is given in Table 14. The state's output during 1955, broken down into four main products, together with estimated value at the plant, is shown in Table 15. Production from Kansas plants for the last 12 years is shown in Table 16.

The use of LPG with natural gas in the production of carbon black declined steadily from 1952 through 1954, but during 1955, the amount thus consumed was 211,794 barrels.

Low-cost temporary storage is one of the major problems facing the expanding LPG industry. This problem, created by the seasonal demand for the product, has been partly answered as the result of experiments that have been in progress over the last few years. These consist of injecting LPG into wholly or partly depleted salt-water, gas, or distillate sands. Recently, and especially in Kansas, LPG has been stored in underground cavities washed out of the salt beds.

TABLE 13.—*Average analysis of natural gas from Hugoton Gas Area*
(From Keplinger, Wanemacher, and Burns, 1948)

Gases	Percent
Methane	74.26
Nitrogen	14.27
Ethane	5.81
Propane	3.52
Butane	1.48
Pentane plus	0.65
Total	99.99

Reserves of natural gas and natural gas liquids.—During 1955 proved reserves of natural gas in Kansas (as estimated by the Reserves Committee, American Petroleum Institute and American Gas Association) increased 3.4 percent, while the natural gas reserves for the nation increased 5.7 percent. Kansas reserves were estimated at 16.3 trillion cubic feet of natural gas as of January 1, 1956. Hydrocarbon liquids contained in the proved reserves of gas are slightly more than 173 million barrels, a decrease of 1.1 percent. Estimates are given in Table 17.

Two important features of the reserve picture in Kansas at the end of 1955 are: (1) new discoveries and extensions of proved

TABLE 14.—*Natural gasoline and LPG processed in 1955**
(From the Conservation Division, Kansas Corporation Commission)

	Natural gasoline	Butane	Propane	LPG	Total
Cities Service Oil Company					
Burrton, Reno Co.	66,084	.....	25,782	67,296	159,162
Wichita, Sedg. Co.	487,472	.....	124,661	101,690	713,823
Colorado Interstate Gas Co.					
Lakin, Kearny, Co.	101,049	.....	.....	.....	101,049
Drillers Gas Company					
Cheney, Sedg. Co.	21,644	.....	.....	10,001	31,645
Dunn-Mar Oil & Gas Co.					
Otis, Rush Co.	37,420	.....	.....	3,809	41,229
Hugoton Production Company					
Ulysses, Grant Co.	187,109	114,459	153,597	.....	455,165
Kansas-Nebraska Nat'l. Gas Co.					
Deerfield, Kearny Co.	90,123	.....	4,706	23,700	118,529
Kansas Power & Light Company					
Medicine Lodge, Barber Co.	52,595	.....	.....	.....	52,595
Magnolia Petroleum Company					
Ulysses, Grant Co.	183,537	87,751,	88,535	.....	359,853
Northern Natural Gas Company					
Holcomb, Finney Co.	83,110	.....	.....	.....	83,110
Sublette, Haskell Co.	377,072	.....	.....	.....	377,072
Panhandle Eastern Pipe Line Co.					
Liberal, Seward Co.	509,002	165,079	122,183	.....	796,264
Skelly Oil Company					
Cunningham, Kingman Co.	42,360	.....	.....	39,922	82,282
Stanolind Oil & Gas Company					
Ulysses, Grant Co.	448,518	600,346	431,394	.....	1,480,258
The Texas Company					
Atlana, Cowley Co.	37,444	.....	.....	30,070	67,514
Total	2,724,569	967,635	950,858	276,488	4,919,550
Daily average for year 1955					13,478 bbl.
Daily average for year 1954					12,640 bbl.

* Figures in 42-gallon barrels.

TABLE 15—*Production and estimated value of natural gas liquids in Kansas, 1955**

	Barrels	Gallons	Price per barrel	Value
Natural gasoline	2,724,569	114,431,898	$2.45	$ 6,675,194
Propane	950,858	39,936,033	$2.45	$ 2,329,602
Butane	967,635	40,640,670	$2.45	$ 2,370,706
LPG	276,488	11,612,496	$2.45	$ 677,396
Total	4,919,550	206,621,100		$12,052,898

* Production figures supplied by Kansas Corporation Commission.

areas are being made about as rapidly as the producing areas are being depleted, and (2) Kansas' proved reserves of natural gas liquids are more than 50 percent of the quantity of gasoline contained in the proved reserves of crude oil in the state.

The significance of Kansas reserves of natural gas liquids is commonly overshadowed by our thinking in terms only of the value of crude oil and natural gas. Natural gas liquids, consisting of natural gasoline, condensate, and LPG (mainly propane and butane), supplement our supplies of gasoline for motor vehicles and fuels for industrial and domestic use.

Reserve figures may be misleading unless properly interpreted. It must be kept in mind that the published petroleum reserve figures are clearly stated to represent proved reserves. The figures in Table 17 and other reserve figures used in this bulletin conform to the policy on reserves of the Reserve Committee and "do not include (1) oil under the unproven portions of partly developed fields; (2) oil in untested prospects; (3) oil that may be present in unknown prospects in regions believed to be generaly favorable; (4) oil that may become available by fluid injec-

TABLE 16.—*Kansas production of natural gasoline and allied products, 1944-1955**

Year	Production, M gals.	Year	Production, M gals.
1944	69,334	1950	155,233
1945	72,637	1951	182,932
1946	82,591	1952	196,462
1947	99,195	1953	211,657
1948	107,563	1954	193,783
1949	113,807	1955	206,621

* Figures from 1944 through 1948 from World Oil (1951, p. 154). Figures for 1949 through 1955 supplied by Kansas Corporation Commission.

TABLE 17.—*Kansas proved reserves of natural gas and natural gas liquids, December 31, 1955* (American Petroleum Institute and American Gas Association, 1955, p. 6)

	Reserves* as of 12-31-54	Extensions and revisions 1955	New discoveries 1955	Production during 1955	Proved Reserves 12-31-55	Nonassociated, associated, and dissolved	Changes in reserves during 1955	Percentage change 1954-1955
Natural gas liquids	175,197	920	2,150	5,031	173,236	.....	— 1,961	—1.1
Natural gas	15,758,332	832,214	214,995	516,090	16,293,080	16,239,489	+534,748	+3.4

* Reserves of naturall gas liquids are thousands of barrels of 42 U.S. gallons; reserves of natural gas are millions of cubic feet calculated at 14.65 psia. at 60° F.

tion methods from fields where such methods have not yet been applied; (5) oil that may become available through chemical processing of natural gas; (6) oil that can be made from oil shale, coal or other substitute sources." The policy of the Reserve Committee applies to natural gas and natural gas liquids.

In summary, the reserve figures represent areas of oil and gas that are essentially "drilled out" and do not include oil to be realized by secondary recovery (fluid injection) except in operating properties. They represent production we could depend on if the industry stopped developing and searching for new deposits. Actually, reserves in this country have been maintained and increased for many years by current new developments despite high annual consumption.

MAPS

Figure 1 is an index map of Kansas showing in a general way the oil and gas producing areas.

An innovation in this series is the presentation of three maps on the same scale showing all the oil and gas producing areas in Kansas. Eastern Kansas, defined as that area east of the Sixth Principal Meridian (except Harvey, Sedgwick, and Sumner Counties), is shown on Plate 1. Plate 2 shows the area west of the meridian to Range 20 West. The large gas producing area and oil fields of western Kansas, west of Range 20 West, are shown on Plate 3.

West of the meridian the entire area designated as a field is shown on the map. In eastern Kansas, Plate 1, only the part of the field producing oil during 1955 is shown on the map; this is deemed advisable because large areas in the older eastern Kansas fields are not producing oil at the present time.

ALLEN COUNTY

(Map Pl. 1)

The 1955 production: oil from 32 areas in 10 fields 806,836 barrels including approximately 709,201 barrels from secondary recovery operations, gas 265,234 cubic feet. Wells drilled in 1955 (estimated): oil wells 172, repressuring 40, dry 18, total 230.

Developments during 1955.—Oil production in Allen County was slightly less in 1955 than in 1954. It is estimated that drilling activity was somewhat less than it had been the year before.

Oil production in Allen County fields is listed in Table 57; gas in Table 58. Location of areas from which oil was produced in 1955 and locations of secondary recovery projects are shown on Plate 1. Secondary recovery data are listed in Table 1.

ANDERSON COUNTY

(Map Pl. 1)

The 1955 production: oil from 17 areas in 8 fields 732,416 barrels including approximately 417,130 barrels from secondary recovery projects. Wells drilled in 1955 (estimated): oil 65, dry 25, repressuring 20, total 110.

Developments during 1955.—Anderson County's oil production decreased slightly under that of 1954. Most of the drilling activity was in connection with secondary recovery operations.

Oil production in Anderson County fields is listed in Table 57. Locations of areas that produced oil in 1955 and locations of secondary recovery projects that were operating are shown on Plate 1. Secondary recovery data are listed in Table 1.

BARBER COUNTY

(Map Pl. 2)

The 1955 production from 40 fields: oil 1,857,810 barrels, gas 12,419,721 thousand cubic feet. Wells drilled in 1955: oil 78, gas 43, dry 85, total 206 including 36 dry wildcats. Reworked wells: oil 1, gas 1, dry 3. Fields discovered 10, revived 1, combined 4, abandoned 1. Secondary recovery projects 2.

Developments during 1955.—Oil production in Barber County increased more than 35 percent over that of 1954. Gas production increased almost 39 percent. Drilling activity, concentrated chiefly in the **Rhodes** and **Hardtner** fields, resulted in completion of 206 wells, about 80 percent more than the previous year.

Ten new fields were named during the year. The **Moffett** field, discovered in 1951, but for which no production had been recorded, was revived, producing gas from the Pennsylvanian basal conglomerate. The newly named oil fields are **Bloom, Brooks-Younger, Forsyth, Landis, McReynolds, Sharon,** and **Whelan West.** All produce from Mississippian rocks except **Bloom,** which produces from the Simpson. New gas fields, all Mississippian, are **Boggs Southwest, Goemann** and **Traffas.** Some oil production was reported from the discovery well of the **Goemann** field. Significant data on the discovery wells of these fields are given in Table 6.

New producing zones in old producing fields, named during 1955, include **Boggs** (Mississippian, oil), **Clara** (Marmaton, gas), **Hardtner** (Cherokee, gas), **Medicine Lodge** (Marmaton, oil), and **Nippawalla** (Mississippian, gas). These are summarized in Table 7.

TABLE 18.—*Dry wildcat tests drilled in Barber County during 1955*

Company and farm	Location	Depth to top of Lans.-K.C., feet	Depth to top of Viola, feet	Depth to top of Simpson, feet	Depth to top of Arbuckle, feet	Total depth, feet
*Orville H. Parker No. 1 Wulf	SW SW SE 19-30-11W	3,929	4,423**	.....	.....	4,530
Schafer Drlg. Co. No. 1 "A" Mease	NE NE NE 36-30-11W	3,844	4,675	4,761	4,877	4,907
Trans-Era Petro., Inc. No. 1 Sellers	NW SE SE 11-30-12W	3,887	4,567	4,658	4,770	4,818
Purcell-Mull Drlg. Co., Inc. No. 1 H. E. Schmidt	NE NW NE 25-30-12W	3,894	4,396**	.....	.....	4,460
Rupp-Ferguson Oil Co. No. 1 Hittle	NE NE SE 14-30-15W	3,843	4,455	4,574	4,674	4,705
R. C. Patton Co. et al. No. 1 Werner	NE NW SE 29-30-14W	3,955	4,448	4,532	4,648	4,665
Earl F. Wakefield No. 1 Rankin	SW SW SW 11-31-10W	3,870	4,790	4,853	4,979	4,995
Musgrove Petro. Corp. No. 1 Stone	NE NE NW 15-31-10W	3,855	4,785	4,865	4,971	5,004
Aurora Gasoline Co. No. 1 Ketner	NE NE SE 9-31-15W	3,795	4,453	4,550	4,651	4,710
*Aylward Drlg. Co. No. 1 Young	NW NW SW 34-31-14W	3,783	4,521	4,633	4,722	4,745
Jones, Shelburne & Farmer, Inc., et al. No. 1 Laura Mills	NE NE SE 31-31-13W	3,905	4,550	4,674	4,764	4,783
Aurora Gasoline Co. No. 1 Kaminska	NW NW SW 17-31-15W	4,140	4,822	4,883	5,091	5,119
Gramehart-Miller Oil Co., et al. No. 1 "A" Dick	NW NW NE 6-32-10W	3,785	4,715	4,777	4,900	4,932

Petroleum Inc., et al. No. 1 Swartz	SE SE NE 17-32-11W	3,737	4,615	6,696	4,830	4,865
Aylward Drlg. Co., et al. No. 1 Lies	SW SW SE 25-32-11W	3,773	4,455**	.....	.....	4,505
Aurora Gasoline Co. No. 1 McClure	NE NE NE 31-32-11W	3,714	4,593	4,679	4,816	4,850
Jones, Shelburne & Farmer, Inc. No. 1 Wise	NE NE NE 33-32-11W	3,762	4,667	4,743	4,875	4,925
Petroleum Inc. No. 1 Wheat	SE SE SE 34-32-11W	3,830	4,765	4,859	4,977	5,015
Pryor & Tracy No. 1 Wilson	C NW NW 6-32-12W	3,678	4,452	4,532	4,647	4,700
Orville H. Parker et al. No. 1 Duncan	NW NE NW 34-32-12W	3,816	4,653	4,742	4,852	4,905
Aylward Drlg. Co. No. 1 Basey	SW NE SE 11-32-15W	3,860	4,388**	.....	.....	4,442
Trans-Era Petro. Inc. No. 1 Stewart	NE SE SE 17-33-10W	3,838	4,862	4,949	5,097	5,130
Jones, Shelburne & Farmer. Inc. No. 1 Washburn	SW SW SW 29-33-10W	4,045	4,895	4,996	5,161	5,187
Purcell-Mull Drlg. Co., Inc. No. 1 Angell	NW NW NW 14-33-14W	4,170	4,690**	.....	.....	4,762
Julian Oil & Royalty Co. et al. No. 1 Page	NE NE NE 17-34-10W	4,023	5,047	5,133	5,331	5,361
Trans Era Petro., Inc. et al. No. 1 Schulpbach	NE NE NE 10-34-11W	4,025	4,539**	.....	.....	4,660
Aurora Gasoline Co. No. 1 Goldman	NW NW SW 32-34-11W	4,708**	5,088	5,188	5,357	5,415
Purcell-Mull Drlg. Co., Inc. No. 1 Kastens	NW NW NW 36-34-11W	4,656**	5,026	5,107	5,310	5,345
Jones, Shelburne & Farmer, Inc., et al. No. 1 Wright	NW NW NE 3-34-12W	3,926	5,051	5,120	5,296	5,346
Aurora Gasoline Co., et al No. 1 Humphrey	SE SE NE 24-34-12W	4,684**	5,077	5,172	5,356	5,400
Grama-Mes man-Rine- hart Oil Co. No. 1 "F" Donovan	NE NE SE 9-34-13W	4,198	5,146	5,265	5,405	5,456
Chicago Corp. No. 1 "B" Davis Ranch	C SE SE 9-34-15W	4,112	5,054	5,218	5,331	5,382
Aurora Gasoline C., et al No. 1 "B" Washburn	NW NW SW 10-35-11W	4,805**	5,178	5,293	5,495	5,535
Barbara Oil Co. No. 1 Mission	NE NE NW 2-35-12W	4,745**	5,162	5,250	5,462	5,492
City Products Co. No. 1 Pierson	SE NE NE 3-35-13W	4,100	4,804**	.....	.....	4,823
Continental Oil Co., et al. No. 1 Walsh-Sternberger	SW NW NW 5-35-13W	4,217	5,298	5,410	5,580	5,650
Phillips Petro. Co. No. 1 Weimer	NWc NW 3-35-15W	4,223	5,319	5,520	5,696	5,743

* No electric or radioactivity logs available. Kansas Sample Log Service, Independent Oil & Gas Service, and other available data sources have been used.

** Depth to top of the Mississippian, feet.

Before the end of the year, the **Skinner South** and **Skinner Southwest** fields were combined with the **Skinner** field, and the **McClure** and **Rhodes East** field were combined with **Rhodes.** The newly named **McReynolds** field was abandoned in October of 1955.

During the year 9 gas wells and 48 oil wells were completed in Barber County's largest field, **Rhodes,** and production totaled more than a million barrels; 21 new gas wells were completed in the **Hardtner** (Mississippian) gas field.

The repressuring project operated by the Great Lakes Carbon Corporation in the **Sun City** field reported no new developments. Lion Oil Company's flood in the **DeGeer** field is now under way. Data on these projects are given in Table 1.

A high of 36 dry wildcat tests was reported for Barber County during the year, and 28 of these reported shows of oil or gas. The E. F. Wakefield No. 1 Rankin test in sec. 11, T. 31 S., R. 10 W., reported free oil in the hole after a drill-stem test in the Mississippian rocks, but perforating brought in water. Additional data on the dry wildcats drilled in the county during the year are given in Table 18. The locations of these dry wildcats and of producing fields are shown on Plate 2. Oil production is given in Table 57, and gas production in Table 58.

BARTON COUNTY

(Map Pl. 2)

The 1955 production from 145 fields: oil 14,366,110 barrels, gas 856,941 thousand cubic feet. Wells drilled in 1955: oil 183, dry 110, salt-water disposal 2, total 295 including 9 dry wildcats. Reworked wells: oil 18, dry 5, salt-water disposal 2. Fields discovered 12, combined 4, abandoned 1.

Developments during 1955.—Oil production from Kansas' most prolific oil producing county was 12 percent less than that of 1954. Gas production was less than half that of 1954. Drilling activity during 1955 resulted in a total of 295 new wells, just 2 fewer than reported for 1954.

Wildcatting in Barton County resulted in the discovery and naming of 12 new fields. These are **Behrens Northeast, Claflin Northeast, Great Bend Northwest, Heizer North, Heizer Northwest, Heizer West, Herres, Homestead, Kimpler, Nuss, Redwing East,** and **Templing.** Seven of the discovery wells listed Arbuckle

production; the others reported Lansing—Kansas City as the producing zone. Some gas production was reported from the **Behrens Northeast** discovery well. Significant data on the initial potential, thickness of producing zone, and location of discovery wells are given in Table 6.

Twelve new oil zones were discovered in old producing fields in the county during 1955 (Table 7). The Douglas rocks were found to be productive in **Silica South,** the Arbuckle in **Fort Zarah North, McCauley, Red Brick,** and **Templing,** and the Lansing—Kansas City in the **Axman, Beaver South, Carrol North, Heizer West, Hoisington East, Hoisington Southwest,** and **Roesler** fields.

During the year four fields producing from the same zones as nearby fields were declared common reservoirs and were combined with these fields. These are **Anton** with **Ellinwood North, Carrol North** with **Capitol View, Hiss Northeast** with **Hiss, and Kramp** with **St. Peter.** The adjustments necessary in the cumulative production figures of these fields are given in Table 57.

The **James** field, in which Lansing—Kansas City production was discovered in 1954, was abandoned in 1955 after 1,214 barrels of oil was produced from the one-well field; cumulative production amounted to 5,295 barrels.

Of the 9 dry wildcat tests drilled more than 1½ miles from existing production, 4 reported minor shows of oil. Additional data on these important exploratory tests are given in Table 19, and their locations are shown on Plate 2.

Reworking old holes in Barton County during 1955 resulted in the completion of 18 oil wells, 5 dry holes, and 2 salt-water disposal wells.

Development drilling in Barton County oil fields resulted in the addition of 10 oil wells and 5 dry holes in **Chase-Silica,** 8 oil wells and 2 dry holes in **Ellinwood North,** and 17 oil wells and 2 dry holes in **Great Bend Townsite.** The newly discovered **Herres** field added 8 oil wells and 2 dry holes during the year. A revival of interest in the **Otis-Albert** field added 13 new Reagan and Arbuckle wells and 8 dry holes.

Gas production during the year was reported from the **Heizer Southwest, Krier, Pawnee Rock,** and **Unruh** fields. Data on the areas of gas production are given in Table 58, and locations of these areas are shown on Plate 2. Oil production from the Barton County fields is given in Table 57, and the areas of production are shown in Plate 2.

TABLE 19.—*Dry wildcat tests drilled in Barton County during 1955*

Company and farm	Location	Surface elevation, feet	Depth to top of Lans.-K.C., feet	Depth to top of Arbuckle, feet	Total depth, feet
Shelley-Miller Drlg., Inc. No. 1 Gustin	SE SE NW 23-16-15W	1,993	3,246	3,541	3,590
*Keystone Petro., Inc., et al. No. 1 May	NE NE SE 18-17-13W	1,955	3,200	3,471	3,480
National Assoc. Petro. Co. No. 1 Eveleigh	NE NW SW 12-18-13W	1,804	3,085	3,339	3,370
*Petroleum, Inc. No. 1 "A" Durand	SW NW SE 23-18-14W	1,905	3,168	3,444	3,453
Barnett Oil Co. No. 1 Taylor	NE NE NW 18-19-13W	1,866	3,241	3,469	3,520
Poindexter Well Servicing Co. No. 1 Schriddle	C SW SE 31-19-13W	1,863	3,188	3,462	3,735
*Shelley-Miller Drlg., Inc. No. 1 Great Bend Airport	NE NW SW 34-19-14W	1,889	3,237	....	3,540
*The Veeder Supply & Dev. Co., et al. No. 1 "B" Wells	SW NE SW 2-20-13W	1,843	3,191	3,465	3,490
*Chas. Hulme, Drlg. Contractors No. 1 Reigel	SW SE NE 17-20-13W	1,871	3,240	3,510	3,541

* No electric or radioactivity logs available. Kansas Sample Log Service, Independent Oil & Gas Service, and other available data sources have been used.

BOURBON COUNTY

(Map Pl. 1)

The 1955 production: oil from 7 areas in 3 fields 34,874 barrels. Wells drilled in 1955 (estimated): oil 20, dry 4, repressuring 8, total 32.

Developments during 1955.—Bourbon County's oil production in 1955 was notably less than in 1954 when 62,382 barrels was reported. The decrease in estimated drilling activity reflects the decreased production.

Oil production in Bourbon County is listed in Table 57. Locations of areas in which oil was produced and locations of secondary recovery projects are shown on Plate 1. Data on secondary recovery of oil in Bourbon County are listed in Table 1.

BROWN COUNTY

(Map Pl. 1)

The 1955 production from 1 field: oil 1,416 barrels, one dry hole reported.

Developments during 1955.—Production of 1,416 barrels of oil was reported from the **Livengood** field, which yielded 2,916 barrels in 1954.

One dry wildcat well was drilled in Brown County in 1955. It is the Morrison Drilling Company No. 1 Funderburgh, in the SE¼ SE¼ SW¼ sec. 21, T. 1 S., R. 15 E. The well was abandoned in April at a total depth of 3,834 feet. The following tops were reported: Lansing group, 1,125 feet; Kansas City group, 1,217 feet; Cherokee group, 1,642 feet; Mississippian limestone, 2,386 feet; "Hunton" limestone, 2,825 feet; Maquoketa shale, 3,456 feet; Viola limestone, 3,472 feet; Simpson sandstone, 3,738 feet; and Arbuckle rocks, 3,807 feet.

The Geological Survey has records of 21 wells drilled previously in the county. This number includes the wells in the **Livengood** field (Jewett, 1954, p. 116, Table 11).

The locations of the **Livengood** field and the 1 dry wildcat well are given on Plate 1. The **Livengood** field is listed in Table 57.

BUTLER COUNTY

(Map Pl. 1)

The 1955 production: oil from 74 areas in 65 fields 8,469,378 barrels including approximately 3,526,419 barrels from secondary recovery operations. Wells drilled in 1955 (recorded): oil 60, dry 66, repressuring or salt-water disposal wells 14, total 140 including 16 dry wildcats. Fields discovered 1, revived 1.

Developments during 1955.—The "Burgess" sandstone field, the **DeGraff**, was discovered in July by the J. H. Wagner Drilling Company No. 1 Walters well in sec. 8, T. 24 S., R. 5 E. The producing zone lies at a depth of 2,440 to 2,450 feet. The discovery well was rated as having a daily production of 30 barrels of oil. The discovery well was drilled into the Viola limestone at a total depth of 2,584 feet. A dry hole in the NE¼ NE¼ SE¼ sec. 7, T. 24 S., R. 5 E., was abandoned later in the year. The **McCann** field was revived in June by the Eckland Drilling Company No. 2 Chaney well in sec. 7, T. 25 S., R. 3 E., when a 25 barrel well was completed for "Burgess" production at 2,765 feet. The field had been opened in 1933 when production was reported from Mississippian "chat".

Tops to significant marker beds encountered in drilling the 16 rank wildcats completed in Butler County during 1955 are

given in Table 20. No shows of oil were reported from the tests. The locations of the wildcat holes are shown on Plate 1.

Oil production in Butler County was slightly less in 1955 than in 1954 when 8,757,870 barrels was reported. Production in the various oil fields is listed in Table 57. Locations of areas from which oil was produced in 1955 and of secondary recovery projects are shown on Plate 1. Data on water flooding operations are listed in Table 1. Data on the new fields are listed in Table 6.

TABLE 20.—*Dry wildcat tests drilled in Butler County during 1955*

Company and farm	Location	Surface elevation, feet	Depth to top of Kansas City, feet	Depth to top of Mississippian, feet	Total depth, feet
*J. P. Gaty, et al. No. 1 Harms	SE NW NW 30-23-3E	1,422	2,093**	2,750	2,950
Rex & Morris Drlg. Co. No. 1 Boese	SW SW SW 3-23-5E	1,516	2,078	2,465	2,682
*Rex & Morris Drlg. Co. No. 1 G. Feller	SE SW NW 9-23-5E	1,481	2,068	2,450	2,688
*Crest Petro., et al. No. 1 Harder	NE NE NE 28-24-3E	1,370	2,344	2,769	2,795
*A. D. Allison & Co., Inc. No. 1 Regier	SE SE NE 15-24-3E	1,368	2,186	2,589	2,966
*Rex & Morris Drlg. Co. No. 4 Frerking	SW SW SE 4-24-5E	1,432	1,790	2,515	2,550
*Rex & Morris Drlg. Co. et al. No. 1 Joseph	SW SW SW 16-25-3E	1,329	2,312	2,747	2,800
*Drillers Prod. Co., Inc. No. 1 Bodecker	SE SE SW 18-25-3E	1,321	2,139	2,762	2,848
*Francis Oil & Gas, Inc., et al. No. 1 Dennett	NE NE SW 19-28-3E	1,309	2,413	2,917	3,228
*F. P. Drolte, et al. No. 1 Bates	SW SW NE 36-28-3E	1,314	2,284	2,736	3,013
*S. G. Neff No. 1 M. Neff	NW SE SE 8-28-5E	.....	1,770**	.....	1,862
The Texas Co. No. 1 Weninger	SW SW NW 9-29-3E	1,308	2,378	2,874	3,213
*Beaumont Petro. Co. No. 1 Ordway	SE NW SE 10-29-3E	1,306	2,307	2,810	3,115
*Stelbar Oil Corp., Inc. No. 1 McKinley	NE NE SE 22-29-4E	1,222	2,260	2,862	2,912
*Royal Oil Co., Inc., et al. No. 1 Brandt	NE NW NE 8-29-7E	1,465	2,088	2,795	2,846
*Augusta Oil Co., Inc. No. 1 Ellis	SW SW SW 30-29-8E	.....	2,050	2,802	2,855

* No electric or radioactivity logs available. Kansas Sample Log Service, Independent Oil & Gas Service, and other available data sources have been used.

** Depth to top of the Lansing, feet.

CHASE COUNTY

(Map Pl. 1)

The 1955 production: oil from 3 fields 32,741 barrels, including production from 1 secondary recovery project; gas 47,963 thousand cubic feet. Wells drilled (recorded): oil 1, dry wildcats 4, estimated total 15.

Developments during 1955.—Oil production in Chase County in 1955 was slightly below that of 1954 when 32,983 barrels was reported.

One oil well in the **Atyeo** field was reported. Data on the 4 dry wildcat wells that were recorded are listed in Table 21.

Oil production statistics for 1955 in Chase County are listed in Table 57; gas in Table 58. Locations of areas that produced oil in 1955 and of the 4 wildcat wells are shown on Plate 1.

TABLE 21.—*Dry wildcat tests drilled in Chase County during 1955*

Company and farm	Location	Surface elevation, feet	Depth to top of Lans.-K.C., feet	Depth to top of granite, feet	Total depth, feet
Stanolind Oil & Gas Co. No. 1 Kline	SW SW NE 10-19-7E	1,211	1,363	2,471**	2,542
*Stanolind Oil & Gas Co. No. 1 Davis	NE NE SW 29-19-7E	1,328	1,270	1,775	1,798
Stanolind Oil & Gas Co. No. 1 Roniger	SW SW NE 10-20-7E	1,426	1,356	1,917	1,942
Stanolind Oil & Gas Co. No. 1 Finley	SW SW NE 20-20-7E	1,316	1,272	1,752	1,775

* No electric or radioactivity logs available. Kansas Sample Log Service, Independent Oil & Gas Service, and other available data sources have been used.

** Depth to top of the Viola, feet.

CHAUTAUQUA COUNTY

(Map Pl. 1)

The 1955 production: oil from 48 areas in 23 fields 947,428 barrels including approximately 711,271 barrels from secondary recovery operations; gas 179,548 thousand cubic feet. Wells drilled in 1955: (estimated) oil 361, dry 73, repressuring or salt-water disposal 15, total 449 including 4 dry wildcats. Fields discovered 2, revived 1.

Developments during 1955.—Chautauqua County's oil production in 1955 was somewhat less than in 1954 when 952,603 barrels was reported.

Two new fields in Chautauqua County were named in 1955. The F. E. Fairfield No. 1 Leonard well, in sec. 1, T. 34 S., R. 9 E., is the discovery well in the **Leonard** field. Oil was found in the

"Peru" sandstone at a depth of 1,501 to 1,505 feet. The well was completed in December. The **Ramsey** field was opened when Frank A. Harvey No. 1 Ramsey well in sec 18, T. 33 S., R. 9 E., discovered a Mississippian oil pool at a depth of 2,270 feet. This well also was completed in December.

The **Leniton** field was officially revived during 1955, when the Mendenhall Drilling Company completed the No. 1 Eggen in sec. 17, T. 33 S., R. 10 E. The oil production is reported from Mississippian rocks at a depth of 2,030 to 2,040 feet. Data on this development and on the discovery wells of the new fields are given in Table 6.

Three wildcats were reported in Chautauqua County during 1955. O. H. Parker completed the No. 2 Leniton in the SE¼ SE¼ NW¼ sec. 7, T. 33 S., R. 10 E., at a total depth of 2,514 feet, starting from an elevation of 1,328 feet above sea level. The Mississippian limestone was reported at 2,153 feet, and the Arbuckle dolomite at 2,496 feet. The E. H. Adair Oil Company completed the No. 1 M. K. O. Ranch wildcat test in the SE¼ NE¼ SW¼ sec. 3, T. 32 S., R. 8 E., at a total depth of 3,154 feet, starting from an elevation of 1,384 feet above sea level. The Mississippian rocks were encountered at 2,654 feet, the Chattanooga shale at 2,959 feet, and the Arbuckle dolomite at 3,054 feet. A second test by the same company on the same ranch but in the SW¼ NW¼ NE¼ sec. 15 reported the Kansas City group at 2,037 feet and the Mississippian rocks at 2,615 feet.

Data on oil production in Chautauqua County in 1955 are listed in Table 57. Gas production is listed in Table 58. Locations of areas that produced oil in 1955, of secondary recovery projects, and of dry wildcat wells drilled in 1955 are shown on Plate 1.

CHEYENNE COUNTY

(Map Pl. 3)

Wildcat wells have been drilled from time to time in Cheyenne County, but as yet no commercial oil or gas pool has been found.

Exploration during 1955.—Two dry wildcat tests were drilled in the county during the year. The Falcon Seaboard Drilling Company No. 1 Zweygardt in the SE¼ SE¼ SW¼ sec. 1, T. 3 S., R. 41 W., was an Arbuckle dolomite test drilled to a total depth of 5,449 feet. The rotary bushing elevation was 3,526 feet above sea level. Tops called on the electric and sample logs were: Stone

Corral formation, 3,371; Lansing group, 4,580; Marmaton group, 4,925; Cherokee group, 5,056; Mississippian rocks, 5,173; and Arbuckle dolomite, 5,340 feet depth. No shows or drill-stem tests were reported.

The other dry wildcat, the Guy F. Atkinson No. 1 Beaumiester in the SE¼ SE¼ NE¼ sec. 31, T. 2 S., R. 39 W., was a Cretaceous test drilled to a total depth of 3,010 feet. No tops or shows were reported.

CLARK COUNTY

(Map Pl. 3)

The 1955 production from 7 fields; oil 410,889 barrels, gas 683,342 thousand cubic feet. Wells drilled in 1955: oil 15, gas 7, dry 10, total 32 including 3 dry wildcats. Fields discovered 1.

Developments during 1955.—Production of oil from Clark County during 1955 was 3 times the previous year's figure, owing almost entirely to the active development of the **Harper Ranch** field. Gas production reported from the **Ashland** and **McKinney** fields was slightly lower than that of 1954. Drilling activity increased to a total of 32 development and test holes during the year.

One new Mississippian gas field, **Cavalry Creek**, was discovered this year in the county. Stearns Petroleum, Inc., completed the discovery well on the Stradtman lease in sec. 3, T. 31 S., R. 21 W., in November. An initial potential of 3,900,000 cubic feet of gas per day was assigned the Mississippian from a depth of 5,195 to 5,218 feet (Table 6).

Some oil production was reported for the first time from the **Snake Creek** field. The field was named as a Morrowan gas field in 1952, but no gas production has been recorded from the field.

At the end of the year the county's largest oil field, **Harper Ranch,** had 31 producing wells, and the annual production totaled 400,996 barrels of oil.

Three dry wildcat Mississippian tests were drilled in the county during the year. The Falcon Seaboard Drilling Company No. 1 Berryman in the NE¼ NE¼ NW¼ sec. 14, T. 31 S., R. 21 W., was drilled within two miles of the **Cavalry Creek** pool, which produces gas from the Mississippian rocks. Drilling started from a rotary bushing elevation of 2,185 feet above sea level; the "Brown Lime" was identified at 4,464 feet, the Lansing group at

4,486 feet, and the Mississippian rocks at 5,186 feet. A drill-stem test of the upper portion of the Mississippian section recovered only slightly gas-cut mud. The hole was drilled to a total depth of 5,300 feet.

A rank wildcat, the No. 1 Thomas in the center of the SW¼ NE¼ sec. 6, T. 32 S., R. 22 W., was drilled to a total depth of 5,831 feet by the Amerada Petroleum Corporation. Electric log tops were called for the "Brown Lime" at 4,760, the Lansing group at 4,783, and the Mississippian rocks at 5,542 feet. The rotary bushing elevation was 2,439 feet above sea level. Several drill-stem tests of the Chase, Lansing—Kansas City, Marmaton, and Cherokee groups as well as the Mississippian rocks were all unsuccessful in recovering any show of gas or oil.

The third dry test, a rank wildcat, the No. 1 Randall was drilled by the Falcon Seaboard Drilling Company in the SW¼ SW¼ SW¼ sec. 28, T. 34 S., R. 22 W., from a rotary bushing elevation of 1,815 feet above sea level to a total depth of 5,685 feet. From an electric log of the hole the "Brown Lime" was called at 4,424 feet, the Lansing group at 4,446 feet, and the Mississippian rocks at 5,420 feet. A drill-stem test of the section from 5,577 to 5,610 feet, tool open for two hours, recovered 120 feet of mud, 180 feet of oil-cut mud, 263 feet of heavily oil-cut mud, and 5 feet of water, and showed a bottom-hole pressure of 1,275 pounds.

The locations of the dry wildcat tests and areas of production are shown on Plate 3. Oil production by fields is given in Table 57, and gas production in Table 58.

CLAY COUNTY

(Map Pl. 1)

No production reported from the two established fields.

Exploration during 1955.—One wildcat well was reported in Clay County in 1955. It is the Earl F. Wakefield, in the NW¼ NW¼ SW¼ sec. 1, T. 8 S., R. 1 E. No tops were released. The reported total depth is 2,335 feet. The well was abandoned in December.

The Geological Survey has record of 26 wells drilled previously in Clay County.

The location of the 1955 well is shown on Plate 1.

COFFEY COUNTY

(Map Pl. 1)

The 1955 production: oil from 13 areas in 11 fields 189,599 barrels, gas 11,573 thousand cubic feet. Wells drilled in 1955 (estimated): oil 49, dry 12, total 61 including 1 recorded wildcat.

Developments during 1955.—Oil production in Coffey County was considerably less in 1955 than in 1954 when 214,172 barrels was reported.

The George E. Sauder et al. No. 1 Crandall wildcat in the cen. NW¼ SW¼ sec. 12, T. 23 S., R. 15 E., was abandoned at a total depth of 1,470 feet in August. The top of Mississippian limestone was logged at 1,435 feet. No shows of oil or gas were reported.

Locations of areas in Coffey County that produced oil in 1955 and of the dry wildcat well that was reported are shown on Plate 1. Oil production statistics are listed in Table 57, gas in Table 58.

COMANCHE COUNTY

(Map Pl. 2)

The 1955 production from 3 fields: oil 2,445 barrels, gas 141,751 thousand cubic feet. Wells drilled in 1955: oil 1, gas 1, dry 7, (all wildcats), total 9. Reworked wells: dry 1. Fields discovered 2.

Developments during 1955.—Comanche County's second oil field, **Mule Creek,** and second gas field, **Beals,** were discovered during 1955. Reported oil production from the two oil fields was 2,445 barrels, gas production, all from the **Robbins Ranch** field, was 141,751 thousand cubic feet.

The Pure Oil Company completed the discovery well of the **Beals** (Lansing—Kansas City) gas field, the No. 1 Hazel Beals, in December in sec. 5, T. 34 S., R. 17 W. Initial potential was 3,500,000 cubic feet of gas per day, from a depth of 4,393 to 4,416 feet. The Trans-Era Petroleum, Inc., No. 1 Robinson well in sec. 5, T. 31 S., R. 18 W., was the discovery of the Mississippian oil production in the **Mule Creek** field. Additional data on the discovery wells are given in Table 6.

Four of the 7 dry wildcat tests drilled during the year penetrated the Arbuckle dolomite. The Sun Oil Company et al. No. 1 Gates in sec. 18, T. 34 S., R. 16 W., reported shows of oil in the Mississippian rocks, as did the Continental Oil Company No. 1 Cole in sec. 8, T. 34 S., R. 18 W. Shows of gas were reported in

the Cherokee and Mississippian rocks in the J. M. Huber Corporation No. 1 Patterson in sec. 4, T. 35 S., R. 19 W. Significant information on the marker beds encountered in drilling these rank wildcats is given in Table 22.

Oil production is given in Table 57 and gas production in Table 58. The locations of the dry wildcats and the areas of oil and gas production are shown on Plate 2.

TABLE 22.—*Dry wildcat tests in Comanche County during 1955*

Company and farm	Location	Surface elevation, feet	Depth to top of Lans.-K.C., feet	Depth to top of Mississippian, feet	Depth to top of Arbuckle, feet	Total depth, feet
Armer Drlg. Co., Inc. No. 1 "A" Lorimer	NE NE SW 36-31-20W	2,084	4,490	5,180	.....	5,288
Barbara Oil Co. No. 1 Eden	C NE NE 30-32-16W	2,024	4,406	5,066	5,740	5,770
Rupp-Ferguson Oil Co. No. 1 Isernbart	C SE NW 12-32-17W	2,099	4,463	5,116	.....	5,177
Sun Oil Co., et al. No. 1 Gates Ranch	C SE SE 18-34-16W	1,795	4,394	5,099	5,986	6,100
Continental Oil Co. No. 1 Cole	NW NW NW 8-34-18W	1,902	4,521	5,266	6,429	6,480
Armer Drlg. Co., Inc., et al. No.1 Lemon-Barbee	C SW NW 15-34-20W	1,771	4,337	5,160	.....	5,310
J. M. Huber Corp. No. 1 Patterson	C SW NE 4-35-19W	1,807	4,498	5,321	.....	5,453

COWLEY COUNTY

(Map Pl. 1)

The 1955 production: oil from 95 fields; 4,712,727 barrels including approximately 657,164 barrels from secondary recovery projects, gas 508,278 thousand cubic feet. Wells drilled in 1955 (reported): oil 194, gas 1, dry 128, input or salt-water disposal 8, total 331 including 25 dry wildcats. Fields discovered 5, revived 1, combined 2, abandoned 1.

Developments during 1955.—Oil production in Cowley County was somewhat greater in 1955 than in 1954 when 4,363,797 barrels was reported. Drilling activity declined by only 6 wells.

Five oil fields in Cowley County were named in 1955, new producing zones were found in 3 previously established fields, and 1 field was revived. The **Brandenburg** field was opened by the Aylward Drilling Company No. 1 Brandenberg "A" in sec 3, T. 35 S., R. 3 E., in which oil was found in Simpson rocks at a depth of 3,664 to 3,671 feet. The well was completed in April, and the

initial daily production was recorded as 20 barrels of oil. The No. 2 Brandenburg well, in the NE¼ SW¼ NW¼ of the same section, and a well in the NE¼ SE¼NE¼ of sec. 4, T. 35 S., R. 3 E., came in as dry holes. The **Burden Townsite** field was discovered in September 1954 by the Ashton Oil and Refining Company No. 1 Henderson well, sec. 34, T. 31 S., R. 6 E. The field was not named until the next year. The discovery well found oil in the "Layton" sandstone at a depth of 2,212 to 2,222 feet. The well was rated as producing 1 barrel of oil per hour. The No. 3 Henderson well, in the SW¼ SW¼ SE¼ of the same section, had an initial daily production of 25 barrels of oil. Four dry holes in the field were reported. The Geo. P. Vye No. 1 Shoup well in sec. 18, T. 31 S., R. 3 E., is the discovery well of the **Churchill Northeast** field. Production was established in the Kansas City at a depth of 2,420 to 2,430 feet. The well was completed in December for 37 barrels of oil per day. The **Donelson** field was opened by the Diabe Oil Company No. 1 Donelson well in sec. 21, T. 34 S., R. 7 E. Oil production of 17 barrels per day was established in the Kansas City at a depth of 2,610 to 2,615 feet. The well was completed in June. The **Falls City West,** a field producing from Mississippian limestone at a depth of 2,996 to 3,012 feet, was discovered by the San Diego Corporation No. 1 Olson well in sec. 13, T. 35 S., R. 6 E. Initial daily production of 15 barrels of oil was recorded.

Oil was found in the old **Pudden** gas field in November. The M & F Oil Company No. 1 Owens well in sec. 16, T. 35 S., R. 4 E., found oil in the Lansing—Kansas City section at a depth of 2,332 to 2,342 feet. Initial daily production of 10 barrels of oil was established. Former gas production in the field came from sandstone in Shawnee or in Douglas rocks. "Bartlesville" oil production was established in the old **Wilmont-Floral** field, which previously has produced from the "Hoover" sand. The new producing zone was found by the Stewart Oil Company No. 2 Tanner well, in sec. 30, T. 31 S., R. 5 E., at a depth of 2,910 to 2,918 feet. Initial daily production of the well was recorded as 40 barrels of oil. Additional data on these developments are given in Table 7.

The Veeder Supply and Development Company No. 1 Lans well, in sec. 9, T. 33 S., R. 6 E., revived the **Wilson** field and discovered a new producing zone (Mississippian) in the field, which formerly produced from the Arbuckle. The field was opened in 1938; the discovery well flowed 1,368 barrels of oil daily from a depth of about 3,520 feet. The initial daily production of

TABLE 23.—*Dry wildcat tests drilled in Cowley County in 1955*

Company and farm	Location	Surface elevation, feet	Depth to top of K. C., feet	Depth to top of Mississippian, feet	Total depth, feet
*Drolte & Kuper No. 1 Joy	NW NW SE 10-30-3E	1,218	2,329	2,968**	3,047
*Rex & Morris, et al. No. 1 Tucker	SW NE SW 26-30-3E	1,250	2,458	3,038	3,435
*McNeish & Gralapp No. 1 Kennedy	SW SW NW 10-30-5E	1,341	2,241	2,908	2,933
*E. H. Adair, et al. No. 1 Sandstrum	NW SE SW 15-30-5E	1,313	2,235	2,912	2,929
*E. F. Wakefield, et al. No. 1 Sandstrum	NE NE NW 27-30-5E	.....	2,230	2,916	2,921
*White & Ellis Drlg. Co. No. 1 Stuchal	SW NW NE 21-30-6E	.....	2,240	2,949	3,000
*E. F. Wakefield, et al. No. 1 Hollingsworth	NW NW NE 2-31-3E	1,154	2,406	2,987	3,022
*Petroleum, Inc. No. 1 Near "A"	NW NW SW 22-31-3E	1,230	2,557	3,122	3,480
Petroleum, Inc. No. 1 Hovenstock	SE SE NE 34-31-3E	1,214	2,578	3,094	3,420
McNeish & Gralapp No. 1 Lewis	SW SW NE 11-31-5E	1,304	2,252	2,962	2,976
Stewart Oil Co. No. 1 Tanner	SW SW SW 30-31-5E	1,264	2,397	3,009	3,061
*Frank Taylor, et al. No. 1 Jebara	SW SW NE 2-31-6E	.....	2,189	2,926	2,980
Ayesh Oil Co. No. 1 Hough	NW SW NE 35-31-7E	1,414	2,158	2,907	3,338
*Frank Taylor No. 1 Davis	NE NE NE 36-31-7E	.....	2,131	.....	2,345
*Stelbar Oil Corp., et al. No. 1 Lorton Est.	N½ SW NW 25-32-3E	1,207	2,692	3,188	3,211
*N.C.R.A., et al No. 1 Taylor	SW SW SW 32-32-3E	1,129	2,675	3,177	3,570
Paul Wittman, et al. No. 1 Bolack	SW SW NE 21-32-6E	1,339	2,030	3,025	3,081
*O. H. Parker No. 1 Lorton	SW SW NE 27-32-6E	1,351	2,484	3,077	3,095
D. E. Dunn No. 1 Dowler	SE SE SW 34-33-4E	1,207	.....	3,240	3,305
Kriswell Drlg. No. 1 Maddix	SW SW SE 11-33-5E	1,228	2,453	3,052	3,078
McNeish & Gralapp No. 1 Miller "B"	SW SW NW 6-33-6E	1,301	2,419	3,042	3,095
*Susimo Oil Co. No. 1 Shaw	SW NW SW 22-34-4E	1,191	2,715	3,307	3,348
Ayesh Oil Co., Inc. No. 1 Rahn	SW SW SW 10-34-5E	1,205	2,530	3,135	3,186
The Texas Co. No. 2 Aikman	Lot 31 30-34-8E	1,213	2,182	2,710	2,785
*Smitherman Oil Producers No. 1 Walker	SE SW SW 6-35-7E	1,231	2,444	2,981	3,010

* No electric or radioactivity logs available. Kansas Sample Log Service, Independent Oil & Gas Service, and other available data sources have been used.

** Depth to top of the Arbuckle, feet.

the Lans well was reported as 15 barrels of oil from a depth of 3,072 feet. Additional data on the discovery wells and the one revival well are given in Table 6.

The **Arkansas City West** field was combined with the **Harvey** field during the year. A portion of the **Millett** field was combined with the **Gibson** field.

The **Nitsche** field discovered in 1954 was abandoned this year with no reported cumulative production.

In Cowley County 25 dry wildcat test holes were drilled during the year, and 8 of these reported shows of oil or gas. Data on the significant marker beds encountered during drilling are given in Table 23.

Oil production in the various Cowley County fields is listed in Table 57. Gas production is listed in Table 58. Locations of areas that produced oil in 1955, of secondary recovery operations, and of dry wildcat wells drilled in 1955 are shown on Plate 1. Secondary recovery data are listed in Table 1.

CRAWFORD COUNTY

(Map Pl. 1)

The 1955 production: oil 53,638 barrels from 10 areas in 7 fields including approximately 40,322 barrels from secondary recovery operations, gas 44,538 thousand cubic feet. Wells drilled in 1955 (estimated): oil 27, dry 14, total 41.

Developments during 1955.—Crawford County's oil production in 1955 was considerably less than in 1954, when 58,016 barrels was produced.

A dry hole was recorded in the abandoned **Brazilton** field. It is the Cummings-Broomfield No. 1 Coester, in the cen. of sec. 26, T. 28 S., R. 22 E. The total depth was recorded as 400 feet.

Oil production in Crawford County fields is listed in Table 57 and gas in Table 58. Locations of areas that produced oil in 1955 and of secondary recovery projects are shown on Plate 1. Secondary recovery data are listed in Table 1.

DECATUR COUNTY

(Map Pl. 3)

The 1955 production from 8 fields: oil 348,058 barrels. Wells drilled in 1955: oil 12, dry 11, total 23 including 9 dry wildcats. Fields discovered 2, combined 1, abandoned 1.

Developments during 1955.—Oil produced from the 8 oil fields in Decatur County during 1955 exceeded by only 10 barrels the production during 1954. There were 10 fewer wells drilled than during the previous year.

Two new fields in Decatur County were named during 1955, **Jorn** and **Jorn East.** Sauvage and Dunn Drilling Company completed the first Lansing—Kansas City producer in February on the Jorn land in sec. 29, T. 2 S., R. 28 W.; its initial potential was 15 barrels of oil per day. The **Jorn East** field was also discovered by the same company but on the Stoney lease in sec. 27 of the same township and range. An initial potential of 12 barrels per day from the Lansing—Kansas City rocks in the discovery well was gaged in September. Additional data on these discovery wells are given in Table 6.

Before the end of the year the **Pollnow West** field was combined with **Pollnow. Pollnow Northwest,** discovered in 1954, was abandoned.

TABLE 24.—*Dry wildcat tests drilled in Decatur County during 1955*

Company and farm	Location	Surface elevation, feet	Depth to top of Lans.-K.C., feet	Depth to top of Arbuckle, feet	Total depth, feet
Jones, Shelburne & Farmer, Inc. No. 1 Alexander	SE SE SE 1-2-26W	2,469	3,384	3,714	3,750
Empire Drlg. Co. No. 1 New	NW NW SW 15-2-26W	2,560	3,434	3,782	3,840
Jones, Shelburne & Farmer, Inc. No. 1 Thomsen	NE NE NW 18-2-26W	2,638	3,465	.....	3,871
Jones, Shelburne & Farmer, Inc. No. 1 Soderlund	SE SE NE 3-3-27W	2,659	3,629	4,068	4,106
Anderson-Prichard Oil Co. No. 1 Brown	SE SE NE 33-3-27W	2,594	3,519	3,988	4,074
*Sauvage & Dunn Drlg. Co., Inc. No. 1 Sauvage	SE NE SE 11-3-29	.....	.....	4,116	4,142
Jones, Shelburne & Farmer, Inc. No. 1 Wymore	SW SW SE 3-4-29W	2,802	3,949	4,596	4,667
Jones, Shelburne & Farmer, Inc. No. 1 Shimek	NE NE SW 10-5-26W	2,634	3,695	4,107	4,135
Hiawatha Oil & Gas Co., et al. No. 1 Koerperich	NW NW NW 25-5-30W	2,838	3,905	.....	4,602

* No electric or radioactivity logs available. Kansas Sample Log Service, Independent Oil & Gas Service, and other availalble data sources have been used.

One extension oil well was added to **Feeley,** 2 to **Hardesty,** 2 to **Jennings,** and 3 to **Pollnow** field during 1955.

Of the 9 dry wildcat tests drilled in the county, 7 penetrated the Arbuckle dolomite. The Empire Drilling Company No. 1 New in sec. 15, T. 2 S., R. 26 W., reported only reworked Arbuckle. The Kansas Sample Log Service reported Mississippian at a depth of 4,432 feet. In the Hiawatha Oil and Gas Company test on the Koerperich lease in sec. 25, T. 5 S., R. 30 W., the Viola(?) limestone was reported at a depth of 4,502 feet. Additional data on the dry wildcat tests are given in Table 24.

The locations of the dry wildcat tests and the areas of oil production are shown on Plate 3. Oil production from the Decatur County fields is given in Table 57.

DICKINSON COUNTY

(Map Pl. 1)

The 1955 production: oil from 6 fields 142,720 barrels. Wells drilled in 1955 (reported): oil 14, dry 28, total 42 including 13 dry wildcats. Fields discovered 1.

Developments during 1955.—Oil production in Dickinson County in 1955 showed a marked increase over that of 1954 when 105,606 barrels was reported.

The 13 dry wildcat wells reported drilled in Dickinson County in 1955 are listed in Table 25.

The **Lost Springs Northwest,** a Mississippian "chat" field, was found in May by the Augusta Oil Company No. 1 Kandt well in sec. 20, T. 16 S., R. 4 E. An initial potential of 25 barrels of oil per day was given the discovery well. This development is listed in Table 6.

Oil production in the Dickinson County fields is listed in Table 57. Locations of the areas that produced oil in 1955 and of the dry wildcat wells drilled in the county in 1955 are shown on Plate 1.

TABLE 25.—*Dry wildcat tests drilled in Dickinson County during 1955*

Company and farm	Location	Surface elevation, feet	Depth to top of Lans.-K.C., feet	Depth to top of Mississipplan, feet	Total depth, feet
*D. T. Ingling, et al. No. 1 Zeman	S½ S½ NE 17-14-1E	1,234	1,845	2,472	2,505
*Walter Nelson, et al. No. 1 Breckbill	NE NE NE 24-14-1E	1,260	1,863	2,506	2,531
*D. T. Ingling, et al. No. 1 Bross	SE NE SW 1-15-1E	1,256	1,840	2,476	2,496

TABLE 25.—*Dry wildcat tests drilled in Dickinson County during 1955, concluded*

Company and farm	Location	Surface elevation, feet	Depth to top of Lans.-K.C., feet	Depth to top of Mississippian, feet	Total depth, feet
*D. T. Ingling, et al. No. 2 Robson	N½ SE SW 2-15-1E	1,213	1,770	2,412	2,460
*D. T. Ingling, et al. No. 1 Robson	SW SE SW 2-15-1E	1,215	1,770	2,412	3,048
*D. T. Ingling, et al. No. 1 Howie	NE NE NE 10-15-1E	1,220	1,790	2,443	2,466
*E. W. Vishnefske, et al. No. 1 E. Robson	S½ S½ NW 11-15-1E	1,212	1,795	2,420	2,438
Rex & Morris Drlg. Co., et al. No. 1 Rock	SE SE NE 22-15-3E	1,385	1,880	2,402	3,128
Rine & Slusser Drlg. Co. No. 1 Mortimer	NW NW SW 5-16-1E	1,338	2,030	2,653	2,710
*Lance Hill, et al. No. 1 Meyer	NW SE NW 22-16-1E	1,391	2,054	2,679	2,709
*Anderson-Prichard Oil Corp. No. 1 Engle	SE SE SW 24-16-3E	1,371	1,790	2,318	3,008
Augusta Oil Co., Inc. No. 1 Knuth	SW SE SW 6-16-4E	.....	.....	2,329	2,639
Augusta Oil Co., Inc. No. 1 Hanschu	Cen. NW¼ 31-16-4E	.....	.....	2,358	2,730

* No electric or radioactivity logs available. Kansas Sample Log Service, Independent Oil and Gas Service, and other available data sources have been used..

DONIPHAN COUNTY

(Map Pl. 1)

Neither oil nor gas in commercial quantities has been found in Doniphan County. Test wells have been drilled from time to time.

Exploration during 1955.—The Gordon Curtis No. 1 Rush, in the NE¼ SE¼ SW¼ sec. 23, T. 3 S., R. 19 E., was abandoned at a total depth of 2,147 feet in September. The top of the "Hunton" limestone was logged at a depth of 2,122 feet. The well's location is shown on Plate 1.

The Geological Survey has records of 8 wells in Doniphan County drilled previous to 1955.

DOUGLAS COUNTY

(Map Pl. 1)

The 1955 production from 3 areas in 2 fields 10,853 barrels of oil. Wells drilled in 1955: dry 1, salt-water disposal 1.

Developments during 1955.—In 1955 oil production in Douglas County was somewhat less than in 1954 when 13,748 barrels was reported.

Location of areas in the Baldwin field from which oil was produced in 1955 are shown on Plate 1. Oil production statistics are listed in Table 57.

EDWARDS COUNTY

(Map Pl. 2)

The 1955 production from 9 fields: oil 88,722 barrels, gas 384,939 thousand cubic feet. Wells drilled in 1955: oil 3, gas 1, dry 15, total 19 including 11 dry wildcats. Reworked wells: oil 1, gas 1, dry 2. Fields discovered 2.

Developments during 1955.—Oil production from Edwards County was about 12 percent greater than in the previous year, and gas production more than doubled.

The Skelly Oil Company completed the gas discovery well of the new **Edstaff** field on the V. E. Miller farm in sec. 12, T. 25 S., R. 16 W., in November. An initial potential of 2,860,000 cubic feet of gas per day was assigned, from Pennsylvanian basal conglomerate at a depth of 4,202 to 4,212 feet. Kirk Johnson brought in the **Kirk** oil field discovery well on the Wood lease in sec. 26, T. 26 S., R. 16 W., in December. An initial potential of 20 barrels of oil per day was gaged, from "Kinderhook" at a depth of 4,481 to 4,501 feet (Table 6).

The Mississippian rocks were proved as a new producing zone in an old producing field by the discovery of commercial gas production by Branine-Holl in sec. 23, T. 24 S., R. 16 W., on the Embry lease in the **Embry** field. Gramehart-Miller Oil Company brought in Lansing—Kansas City production in the old **Sturgeon** field, discovering oil in the No. 1 Sturgeon well in sec. 33, T. 26 S., R. 18 W. Both of these wells are old wells worked over during the year. Additional data on these developments are given in Table 7.

Of the 11 dry wildcat tests drilled in the county, 4 reported shows of oil or gas. The tops of some marker beds encountered in drilling these rank wildcat tests are given in Table 26.

About two-thirds of the county's oil production during the year was obtained from the **Enlow** field, which also added 2 extension oil wells, bringing the total number of wells in the field to 8. Data on oil production by fields are given in Table 57. Gas production was reported from the **Belpre** and **Embry** fields during 1955. Statistics on gas production are given in Table 58.

TABLE 26.—*Dry wildcat tests drilled in Edwards County during 1955*

Company and farm	Location	Depth to top of Lans.-K.C., feet	Depth to top of Viola, feet	Depth to top of Arbuckle, feet	Total depth, feet
*North American Petro. Co. No. 1 Hogan	NW NW SW 12-23-20W	3,995	.....	4,938	4,975
*Helmerich & Payne, Inc. No. 1 Hawley	SW SW NE 7-24-16W	3,796	4,334	4,540	4,565
*Harms-Burt Drlg. Co., et al. No. 1 Nolan	NW SE NW 20-24-16W	3,838	4,391	4,667	4,680
Iron Drlg. Co. No. 1 Enlow	SE NW SW 11-24-17W	3,860	.....	4,655	4,690
*Welch & Olsson Oil Co. No. 1 Wheaten	SW SW NW 14-24-18W	3,922	4,572	.....	4,600
Coppinger Drlg., Inc., et al. No. 1 Fox	SW SW NE 22-24-19W	3,980	4,547**	.....	4,567
Welch & Olsson Oil Co., et al. No. 1 Haynes	SW SW SW 28-24-20W	4,107	4,673**	.....	4,781
Welch & Olsson Oil Co. No. 1 Elson	SE SE NE 7-25-18W	4,040	4,706	4,963	5,000
Trans-Era Petro., Inc., et al. No. 1 Fatzer	SE SE SE 9-26-17W	4,020	4,534**	4,894	4,940
Trans-Era Petro., Inc., et al. No. 1 Sherman	NW NW SW 12-26-17W	4,001	4,600	4,862	4,900
Carter Oil Co. No. 1 Boderwick Est.	C SW SE 23-26-18W	4,017	4,610	4,757	4,795

* No electric or radioactivity logs available. Kansas Sample Log Service, Independent Oil & Gas Service, and other available data have been used.

** Depth to top of the Mississippian, feet.

ELK COUNTY

(Map Pl. 1)

The 1955 production: oil from 35 areas in 31 fields 304,877 barrels, gas 327,151 thousand cubic feet. Wells drilled in 1955 (estimated): oil 74, dry 42, salt-water disposal 5, total 121. Fields discovered 4, revived 1.

Developments during 1955.—Elk County's reported oil production was well in advance of the production in 1954 when 285,036 barrels was reported. It is estimated that fewer wells were attempted in the county during the year, but leasing activity was intense.

The **Ware** oil field was opened in January when the Franco-Central Oil Company No. 1 Ware well, in sec. 5, T. 31 S., R. 9 E., discovered an oil pool in Kansas City rocks at a depth of 1,671 to 1,674 feet. Daily production amounting to 20 barrels was reported. In August the Franco-Central Oil Company No. 1 Liebau, in the

SE¼ SE¼ SE¼ sec. 31, T. 30 S., R. 9 E., was abandoned as a dry hole. The total depth of the latter well is 1,719 feet.

The **Arbuckle** field was officially revived by the Nomenclature Committee during the year, as a result of the completion of the Hamilton and Arbuckle No. 1 Webber well in sec. 19, T. 31 S., R. 9 E. Production from the lease had been carried in previous bulletins under the "Newbecker" field. The **Clubine** and **Perkins** fields were officially recognized during 1955, but these fields also have been included for several years in the oil production tables of previous bulletins. The **Logsden Northeast** field was discovered when Joe Yount completed the No. 1 Smith well in sec. 10, T. 31 S., R. 9 E. Additional data on the discovery wells and the one revival well are given in Table 6.

An important dry test, the Cherokee Oil Company No. 1 Steward, drilled near the abandoned **Bunyard** field in the SE¼ SW¼ SW¼ sec. 19, T. 28 S., R. 12 E., reported the top of the Mississippian rocks at a depth of 1,878 feet, and the top of the Arbuckle dolomite at 2,211 feet. The hole was drilled from an elevation of 1,178 feet above sea level and was abandoned at a total depth of 2,236 feet.

Oil production in the various Elk County fields is listed in Table 57, gas in Table 58. Locations of areas that produced oil in 1955 are shown on Plate 1.

ELLIS COUNTY

(Map Pl. 2)

The 1955 production from 96 fields: oil 11,165,885 barrels. Wells drilled in 1955: oil 142, dry 129, salt-water disposal 7, total 278 including 20 dry wildcats. Reworked wells: oil 10, dry 2. Fields discovered 5, revived 1, combined 4, abandoned 2. Secondary recovery projects 2.

Developments during 1955.—Although the total oil production from Ellis County was about 200,000 barrels less than in 1954, the county moved ahead of Russell County to become the state's second largest producer (Table 3).

Three new Arbuckle oil fields in Ellis County were named during the year. These are **Nellie Belle, Toulon Southwest,** and **Wheatland Southeast.** The Marmaton was named as the producing zone in the new **Kraus West** field, and the Lansing—Kansas City in the **Irvin East** field. Data on the locations of the dis-

covery wells, the companies completing the new wells, the thicknesses of the producing zones, and the initial potentials are given in Table 6.

The **Combs** field, originally named in 1945 and abandoned in 1946, was revived during 1955. When abandoned in 1946, the recorded cumulative production was 2,221 barrels of oil. The revival well was drilled by the Carl Todd Drilling Company on the Zachman lease in sec. 15, T. 11 S., R. 20 W.

The Nomenclature Committee named 9 new producing zones in old fields during the year. These are the Topeka limestone in **Solomon,** the Shawnee group in **Sessin**, the Lansing—**Kansas City** group in **Pleasant** and **Solomon,** the Pennsylvanian basal conglomerate in **Bemis-Shutts, Burnett,** and **Wheatland Southeast,** and the Arbuckle dolomite in the **Karlin** and **Kraus West** fields. Additional information on these developments is given in Table 7.

Before the end of the year, the **Pleasant Ridge** and **Hadley** fields were combined with **Bemis-Shutts, Pleasant Northwest** with **Pleasant,** and **Koblitz** with **Walter.**

The **Antonina Townsite** field, discovered in 1949, was abandoned in 1955. Cumulative oil production from the Arbuckle dolomite to January 1, 1956, was 32,470 barrels. The **Experiment** (Arbuckle dolomite) field discovered in 1952 was also abandoned this year. Cumulative production was 8,027 barrels.

The producing zone in the **Bemis-Shutts** field was redesignated as the Arbuckle—Reagan contact zone. It was formerly carried as Arbuckle dolomite.

Of the 20 dry rank wildcat tests drilled during the year, 5 reported shows of oil. The Petroleum Management, Inc., No. 1 Foster test in sec. 1, T. 15 S., R. 16 W., reported good shows of oil in the Arbuckle and Reagan rocks, but additional testing recovered only water. Data on the significant marker beds encountered in drilling these dry tests are given in Table 27.

Field development drilling resulted in the completion of 13 oil wells and 13 dry holes in the **Bemis-Shutts** field, 12 oil wells and 2 dry holes in the **Eagle Creek** field, 9 oil wells and 2 dry holes in the **Leiker East** field, 8 oil wells and 2 dry holes in the **Sessin** field, and 10 oil wells and 9 dry holes in the **Walter** field.

Reworking of old wells in the county during 1955 resulted in 10 oil wells, 2 dry holes, and 1 salt-water disposal well.

The locations of the dry wildcat tests and oil fields of Ellis County are shown on Plate 2. Oil production by fields is given in Table 57. Data on the secondary recovery projects in Ellis County are given in Table 1.

TABLE 27.—*Dry wildcat tests drilled in Ellis County during 1955*

Company and farm	Location	Surface elevation, feet	Depth to top of Lans.-K.C., feet	Depth to top of Arbuckle, feet	Total depth, feet
Bay Petro. Corp. No. 1 "A" Chrisler	SW NE SW 34-11-16W	1,854	3,090	.....	3,490
Braden Drlg. Co., et al. No. 1 "A" Shubert	SE SE NE 13-11-20W	2,057	3,356	3,746	3,762
*Armer Drlg. Co., Inc., et al. No. 1 Blender	SW SW NE 20-12-18W	.....	3,487	3,770	3,805
Greenland Drlg. Co. No. 1 Saunders	NE NE SW 34-12-18W	2,114	3,404	.....	3,727
Frontier Oil Co. No. 1 Merrill	SW SW NW 4-12-19W	2,136	3,404	3,704	3,749
J. Stewart Bailey No. 1 Spreen	NE NE NE 8-12-19W	2,117	3,397	3,726	3,756
*Sterling Drlg. Co. No. 1 Dinkel	SE SE SE 7-13-16W	1,982	3,241	3,563	3,590
Fleming & Woodman Drlg. Co., et al. No. 1 Leiker	NW NW SE 16-13-18W	2,126	3,438	3,678	3,782
*Peel-Hardman Oil Prod. No. 1 Disney	SW SW SW 7-13-19W	2,078	3,398	3,766	3,820
*Greenland Drlg. Co. No. 1 Kisner	SW SE SW 32-13-20W	2,269	3,559	.....	3,916
*Shelley-Miller Drlg. Co., Inc. No. 1 Linenberger	SE SE NW 19-14-16W	1,931	3,200	3,458	3,465
T. O. Lillystrand, Jr. No. 1 Ruder	SW NE NW 25-14-17W	1,949	3,209	3,473	3,515
Thunderbird Drlg., Inc. No. 1 "A" Stecklein	SW NW NE 13-14-18W	1,987	3,274	3,631	3,637
*Transit Corp., et al. No. 1 Brullm	NE NE NE 24-14-18W	1,983	3,280	3,575	3,630
Bankoff Oil Co. No. 1 Weisner	NE NE SW 10-14-19W	2,223	3,550	3,863	3,900
Stanolind Oil & Gas Co., et al. No. 1 Moore	NW SW SE 32-14-19W	2,071	3,382	3,710	3,743
Petroleum Management, Inc. No. 1 Foster	NW NW NW 1-15-16W	1,909	3,170	3,419	3,498
Braden Drlg. Co. No. 1 "A" Bosch	NE NW SE 2-15-16W	1,895	3,160	3,446	3,484
*Shelley-Miller Drlg., Inc. No. 1 Aley Ranch Inc.	SE SE NW 24-15-16W	1,849	3,127	3,428	3,450
Herman Geo. Kaiser No. 1 Randa	NE NE NE 33-15-19W	2,038	3,320	.....	3,649

* No electric or radioactivity logs available. Kansas Sample Log Service, Independent Oil & Gas Service, and other available data sources have been used.

ELLSWORTH COUNTY

(Map Pl. 2)

The 1955 production from 18 fields: oil 3,047,225 barrels, gas, none reported. Wells drilled in 1955: oil 26, dry 38, salt-water disposal 2, total 66 including 6 dry wildcats. Reworked wells: oil 2, dry 2. Fields discovered 2.

Developments during 1955.—Although reported oil production from Ellsworth County was about 4 percent less, drilling activity in the county resulted in the completion of 66 test and development wells, 24 more than were attempted last year. No gas production was reported from the county this year.

The most significant development this year was the successful completion of the discovery wells of the **Progress** and **Progress Northwest** fields, in the western part of the county. The K and E Drilling Company Inc., completed the first well in the **Progress** field on the Funk lease in sec. 10, T. 16 S., R. 10 W., in April. A maximum initial potential of 3,000 barrels of oil per day was assigned, from Arbuckle dolomite at a depth of 3,402 to 3,410 feet. The Henderson Oil Company discovered the **Progress Northwest** field in July in sec. 4, T. 16 S., R. 10 W., by the completion of the No. 1 Borecky. An initial potential of 1,520 barrels of oil per day was gaged from the Arbucle dolomite at a depth of 3,303 to 3,311 feet. These developments are given in Table 6.

Drilling programs resulted in the completion of 4 extension oil wells and 4 dry holes in the **Geneseo-Edwards** field, 5 oil wells and 6 dry holes in the **Progress** field, and 9 oil wells and 4 dry holes in the **Progress Northwest** field.

The 6 dry wildcat tests all were drilled into the Arbuckle dolomite. Significant marker beds encountered in the drilling of these tests are given in Table 28. No good shows of oil were reported from these attempts.

Of special interest among the rank wildcat tests is the Frankfort Oil Company test in sec. 8, T. 14 S., R. 10 W., just northeast of Wilson. After finding the Arbuckle dolomite at a depth of 3,450 feet, the hole was drilled into the "granite wash" at 3,990 feet, and the Precambrian "granite" at 4,070 feet. The test was drilled 467 feet into the "granite" before abandonment at 4,537 feet. The sample log of the test prepared by the Kansas Sample Log Service reported the "granite" consisted of fresh biotite (about 35 percent), pink and white feldspar, some magnetite, and traces of hornblende and tourmaline.

The locations of the dry wildcat tests and the various oil fields are given on Plate 2. Data on the oil production are given in Table 57, and the inactive gas area is listed in Table 58.

TABLE 28.—*Dry wildcat tests drilled in Ellsworth County during 1955*

Company and farm	Location	Depth to top of Lans.-K.C., feet	Depth to top of Penn. basal cong., feet	Depth to top of Arbuckle, feet	Total depth, feet
Frankfort Oil Co. No. 1 Kuck	SE SW NE 8-14-10W	2,952	3,312	3,450	4,537
*Franco Central Oil Co. No. 1 Branda	S2 SW NE 18-15-10W	2,912	3,237	3,287	3,309
K & E Drlg., Inc. et al. No. 1 Lilak	SW SW SW 19-15-10W	2,939	3,254	3,344	3,375
*Jones, Shelburne & Farmer, Inc. No. 1 Zelenka	SW SW NE 20-15-10W	2,864	3,209	3,270	3,300
*Martin Oil Co. No. 1 Durr	SW SE SW 30-16-9W	2,957	3,300	3,387	3,400
Bennett & Roberts Drlg., Inc. No. 1 Handlin	NE NE NE 2-17-8W	2,828	3,194	3,625	3,631

* No electric or radioactivity logs available. Kansas Sample Log Service, Independent Oil & Gas Service, and other available data sources have been used.

FINNEY COUNTY

(Map Pl. 3)

The 1955 production from 9 fields: oil 310,176 barrels, gas (all from the Hugoton Gas Area) 34,013,718 thousand cubic feet. Wells drilled in 1955: oil 1, gas 48, dry 4, total 53. Reworked wells: gas 1.

Developments during 1955.—More than 34 billion cubic feet of gas, a new record high, was produced from the Finney County portion of the Hugoton Gas Area during 1955. Oil production increased about 41 percent over the previous year.

In Finney County's part of the Hugoton Gas Area, 48 new Chase group gas wells and 4 dry tests were completed, bringing the total number of gas wells completed in the county to 398. The initial potentials of these new wells range from less than a half million cubic feet per day to more than 16 million cubic feet per day. The Northern Natural Gas Company completed the well having the largest initial potential of the year on the Barker "A" lease in sec. 7, T. 26 S., R. 33 W.

The one oil well completed in the county during the year was the Rocket Drilling Company No. 1 Clark well in the Damme field, in the NW¼ SW¼ SW¼ sec. 22, T. 22, S., R. 33 W. An ini-

tial potential of 273 barrels of oil per day was assigned, from Mississippian rocks at a depth of 4,692 to 4,701 feet.

Surprisingly, no rank wildcat tests were attempted in Finney County during 1955. The locations of the oil fields and new Hugoton Gas Area wells are shown on Plate 3. Oil production by fields is given in Table 57, and gas production in Table 58.

FORD COUNTY

(Map Pl. 3)

The 1955 production from 3 fields: oil 3,168 barrels, gas 236,631 thousand cubic feet. Wells drilled in 1955: dry 3, total 3 including 2 dry wildcats.

Developments during 1955.—Ford County's one oil field, **Pleasant Valley** (Mississippian) reported 3,168 barrels of oil produced, compared with only 639 barrels last year. Gas production from the county increased 2½ times.

Two dry rank wildcat tests were drilled in the county during the year; both tested the Mississippian. The Trans-Era Petroleum, Inc., et al No. 1 Noah in the NW¼ SE¼ SE¼ sec. 1, T. 26 S., R. 22 W., was drilled from a rotary bushing elevation of 2,394 feet above sea level to a total depth of 4,950 feet. The top of the Lansing group was picked on the electric log at a depth of 4,221 feet and the top of the Mississippian at 4,860 feet. Several drill-stem tests were taken. One test of the zone from 4,552 to 4,580 feet open one hour recovered 100 feet of oil-cut mud at a bottom-hole pressure of 1,185 pounds. Another test at 4,840 to 4,900 feet open two hours recovered 310 feet of slightly gas-cut mud and 120 feet of gas-cut mud at a bottom-hole pressure of 720 pounds.

The other dry wildcat was the Morrison Drilling Company, Inc., No. 1 Ruddy in the NE¼ NW¼ SW¼ sec. 17, T. 29 S., R. 21 W. It was drilled from a rotary bushing elevation of 2,410 feet above sea level to a total depth of 5,336 feet. The top of the Lansing was reported at a depth of 4,458 feet and the Mississippian at 5,150 feet. No shows of oil or gas were reported nor was oil or gas recovered on any of three drill-stem tests that were taken.

The dry field well was completed by J. M. Huber Corporation on the Young lease in sec. 27, T. 27 S., R. 21 W. The Mississippian rocks were penetrated at a depth of 4,910 feet; surface elevation was 2,332 feet above sea level.

Oil production from the **Pleasant Valley** field is listed in Table 57. Gas production by fields is given in Table 58. The locations of the oil and gas fields are shown on Plate 3.

FRANKLIN COUNTY

(Map Pl. 1)

The 1955 production: oil from 12 areas in 3 fields 376,674 barrels including approximately 310,525 barrels from secondary recovery projects. Wells drilled in 1955 (estimated): oil 88, repressuring 25, dry 17, total 130.

Developments during 1955.—Oil production in Franklin County was considerably less in 1955 than in 1954 when 453,895 barrels was reported.

Data on water-flooding projects in Franklin County are listed in Table 1. Oil production in the various areas is listed in Table 57. Locations of areas from which oil was produced in 1955 and of secondary recovery projects are shown on Plate 1.

GOVE COUNTY

(Map Pl. 3)

The 1955 production from 7 fields: oil 30,276 barrels. Wells drilled in 1955: dry 5, total 5, including 2 dry wildcats.

Developments during 1955.—Oil production from Gove County's 7 fields during 1955 was about 9 percent greater than that reported for 1954. Two more attempts at finding oil were made in the county in 1955 than in 1954.

Three dry field wells were completed during the year, one in the **Gove** field and two in the **Jasper** field.

Two dry rank wildcat tests were drilled in the county during the year; both were drilled into the Arbuckle dolomite. The Jones, Shelburne and Farmer, Inc. et al No. 1 Neher in the SE¼ NE¼ SE¼ sec. 27, T. 11 S., R. 26 W., was drilled to a total depth of 4,710 feet from a rotary bushing elevation of 2,634 feet above sea level. Tops reported were: Lansing group, 3,917 feet; Mississippian rocks, 4,478 feet; Viola limestone, 4,629 feet; Simpson group, 4,666 feet; and Arbuckle dolomite, 4,674 feet depth. Drill-stem tests of the Lansing—Kansas City and Mississippian sections failed to show oil or gas.

The Ben F. Brack Oil Co., Inc., drilled the other dry wildcat in the NE¼ NE¼ NE¼ sec. 1, T. 15 S., R. 26 W., to a total depth

of 4,585 feet. This test, the No. 1 Stutz-Bradley, was drilled from a rotary bushing elevation of 2,325 feet above sea level. Tops picked on the electric and sample logs were: Heebner shale, 3,610 feet; Lansing group, 3,650 feet; Mississippian rocks, 4,233 feet; Viola limestone, 4,479 feet; and Arbuckle dolomite, 4,555 feet depth. A drill-stem test in the Mississippian section recovered only drilling mud. No shows were reported and no other tests were made.

The locations of the two dry wildcat tests and the producing areas of Gove County are shown on Plate 3. Oil production by fields is given in Table 57.

GRAHAM COUNTY

(Map Pl. 3)

The 1955 production from 53 fields: oil 4,897,852 barrels, gas none reported. Wells drilled in 1955: oil 202, dry 131, salt-water disposal 2, total 335 including 42 dry wildcats. Reworked wells: oil 2. Fields discovered 17, combined 5, abandoned 3.

Developments during 1955.—Graham County was one of the most intensively explored counties in Kansas during 1955, as 42 rank wildcat tests were completed. Oil production increased almost a million barrels over the 1954 figure. The total number of wells of all types drilled in the county surpassed the 1954 figure by 74.

During the year 17 new oil fields and 6 new producing zones in old fields were named. The new oil fields are **Allodium, Blazier, Brush Creek, Dorman West, Elrick, Glen Dale, Holley North, Holley West, Holley Northwest, Hoof West, Huntington, Law Southeast, Mildrexter, Morel North, Prairie Glen Southeast, Red Line,** and **Red Line North.** Except for the **Law Southeast** and **Morel North** fields, which produce from the Pennsylvanian basal conglomerate, all the new fields produce from the Lansing—Kansas City strata. Of the lot, the **Brush Creek** field discovery well reported the largest initial potential, 1,155 barrels of oil per day. Before the end of the year the **Holley Northwest** field was combined with the **Holley** field. Completion data on the discovery wells of these new fields are given in Table 6.

Of the new producing zones in old fields, the Lansing—Kansas City rocks were productive in the **Law Southeast, Van,** and **White Southwest** fields, the Marmaton strata in the **Faulkner**

TABLE 29.—*Dry wildcat tests drilled in Graham County during 1955*

Company and farm	Location	Surface elevation, feet	Depth to top of Lans.-K.C., feet	Depth to top of Arbuckle, feet	Total depth, feet
Trans-Era Petro., Inc., et al. No. 1 Ward	S2 SW SW 31-6-25W	2,565	3,673	.....	3,895
Lion Oil Co. No. 1 Kenyon	SE SE SW 1-7-21W	2,175	3,414	3,703	3,764
The Veeder Supply & Dev. Co. No. 1 Kenyon	SE SE NE 11-7-21W	2,183	3,433	3,693	3,727
*J. A. Terteling & Sons, et al. No. 1 Hale	NE NE NW 11-7-23W	.....	3,638	4,035	4,058
Petroleum Inc. No. 1 Dawson	NE NE NW 34-7-23W	2,364	3,635	4,018	4,068
The Veeder Supply & Dev. Co., et al. No. 1 Criswell	SW NE SE 22-7-24W	2,496	3,780	4,291	4,302
E. K. Carey Drlg. Co., Inc. No. 1 Super	NE NE NE 26-7-24W	2,389	3,692	4,160	4,175
Herndon Drlg. Co. No. 1 Shroyer	NW NW NE 32-7-24W	.....	3,722	4,279	4,322
Harry Gore No. 1 Carey	NW NW NE 2-7-25W	2,519	3,717	.....	3,920
Trans-Era Petro., Inc., et al. No. 1 Sayers-Kenyon	NE NE SE 9-8-21W	2,007	3,232	3,557	3,585
Harry Gore, et al. No. 2 Griffith	SE SE SW 2-8-23W	2,233	3,510	3,920	3,927
*Petroleum Inc. No. 1 Jones 'U'	NE SE SE 3-8-23W	2,280	3,559	3,925	3,950
*Nadel & Gussman No. 1 Legere	NW SW NW 15-8-23W	2,188	3,454	3,847	3,877
Murfin Drlg. Co. No. 1 Lottie Law	NE NE SE 24-8-23W	2,182	3,444	3,900	3,930
*C-G Drlg. Co., et al. No. 1 Gaylord	SW SW SW 30-8-23W	2,345	3,696	4,224	4,272
*R. W. Shields, et al. No. 1 E. E. Fox	NW NW NE 6-8-24W	2,465	3,807	.....	4,036
Peel-Hardman Oil Prod. No. 1 Stinemetz	SW SW SE 17-8-24W	2,270	3,621	4,315	4,365
Empire Drlg. Co. No. 1 "D" T. L. Smith	SE NE SE 18-8-24W	2,268	3,606	.....	4,355
C-G Drlg. Co., et al. No. 1 Kobler	SE SE NW 24-8-24W	2,209	3,567	4,122	4,160
*Nadel & Gussman No. 1 Kobler	SW SW NE 34-8-24W	2,402	3,743	.....	4,015
*Harry Gore No. 1 Ross	NW NW NE 35-8-24W	2,381	3,724	.....	3,955
Trans-Era Petro., Inc., et al. No. 1 Davis	SW SW SE 6-8-25W	2,489	3,775	4,531	4,585
*Leben Drlg. Co., et al. No. 1 Minium	NW SE NW 26-8-25W	2,403	3,730	4,488	4,509

TABLE 29.—*Dry wildcat tests drilled in Graham County during 1955, concluded*

Company and farm	Location	Surface elevation, feet	Depth to top of Lans.-K.C., feet	Depth to top of Arbuckle, feet	Total depth, feet
*Heathman-Seeligson Drlg. Co., et al. No. 1 Kern	NE SW NW 7-9-22W	2,345	3,637	.....	3,870
Transit Corp., et al. No. 1 "A" Law	SW SW NW 13-9-23W	2,348	3,653	.....	3,900
Heathman-Seeligson Drlg. Co., et al. No. 1 Edwards Est.	SE SE NW 21-9-23W	2,401	3,727	.....	4,321
E. K. Carey, Contr. No. 1 Denning	SW SW SE 23-9-23W	2,403	3,709	4,215	4,228
Empire Drlg. Co. No. 1 Lacerte	NW NW SE 25-9-23W	2,407	3,690	4,168	4,190
Empire Drlg. Co., et al. No. 1 Ernst	NW NW NE 29-9-23W	2,417	3,764	.....	4,010
Trans-Era Petro., Inc., et al. No. 1 Cameron	SE SE SE 30-9-23W	2,485	3,850	.....	4,088
Harry Gore No. 1 Hilderbrand	NE NE SE 12-9-24W	2,421	3,783	.....	4,200
Imperial Drlg. Co., Inc. No. 1 Whittman	NE NE SE 19-9-24W	2,565	3,900	4,629	4,660
Coppinger Drlg., Inc. No. 1 Nickelson	SW SW SE 27-9-24W	2,522	3,873	4,604	4,655
Herndon Drlg. Co. No. 1 Mullaney	SW SW SE 26-9-24W	2,450	3,791	4,486	4,500
*Harry Gore, et al. No. 1 J. R. Keith	NE NE NE 13-9-25W	2,483	3,838	.....	4,072
*Jones, Shelburne & Farmer, Inc. No. 1 "C" Waggoner	SE NE SE 23-9-25W	2,585	3,963	.....	4,187
Leben Drlg. Co., et al. No. 1 Hunsicker	NW NW NW 29-9-25W	2,643	3,938	.....	4,520
Heathman-Seeligson Drlg. Co. No. 1 "A" Brungardt	SW SW NE 32-9-25W	2,588	3,864	.....	4,425
*Harry Gore, et al. No. 1 Walz	NE NE NW 31-10-21W	2,217	3,518	3,898	3,930
*K&E Drlg., Inc., et al. No. 1 "A" Callison Est.	NE NE SW 2-10-22W	2,339	3,567	3,950	3,967
*Wick's Petro. Co. No. 1 Hanna	W2 E2 NW 30-10-24W	2,487	3,521	4,585	4,620
Jones, Shelburne & Farmer, Inc. No. 1 Richmeier	NE NE SE 12-10-25W	2,484	3,786	4,408	4,445

* No electric or radioactivity logs available. Kansas Sample Log Service, Independent Oil & Gas Service, and other available data sources have been used.

field, and the Arbuckle in the **Harmony** and **Sand Creek** fields. Additional data on the discovery wells of these new producing zones are given in Table 7.

Before the end of the year 4 other fields besides **Holley** were declared to be producing from a reservoir common to other nearby fields and were combined. These are **Happy** with **Diebolt, Fargo** with **Ironclad, Morel Northwest** with **Morel,** and **Noah East** with the **Noah** field. Abandonments during the year included 2 Lansing—Kansas City fields, **Millbrook** discovered in 1951, and **Montgomery** discovered in 1953. The **Worcester** (Arbuckle) field, discovered in 1951, reported 400 barrels of oil production during 1955 before abandonment.

Of the 202 new oil wells drilled in the county, 135 were located in 5 fields. Development programs resulted in the completion of 8 oil wells and 8 dry holes in the **Cooper** field, 42 oil wells and 8 dry holes in the **Diebolt** field, 49 oil wells and 4 dry holes in the **Hoof** field, and 12 oil wells and 4 dry holes in the **Law Southwest** field.

Of the 42 widely scattered rank wildcat tests, only one, the Heathman-Seeligson Drilling Company No. 1 Edwards Estate in sec. 21, T. 9 S., R. 23 W., reported free oil on a drill-stem test. The test, at a depth of 3,788 to 3,805 feet, the tool open for 2 hours, recovered 132 feet of free oil and 150 feet of muddy oil. Additional testing recovered increasing amounts of water, until abandonment was necessary. Data on the significant marker beds encountered in drilling these exploratory tests are given in Table 29.

The locations of the dry wildcat tests, and oil and gas fields of Graham County are shown on Plate 3. Oil production by fields is given in Table 57, and gas in Table 58.

GRANT COUNTY

(Map Pl. 3)

The 1955 production from the Grant County portion of the Hugoton Gas Area: gas 84,458,345 thousand cubic feet. Wells drilled in 1955: total 3 (all gas).

Developments during 1955.—Grant County has the distinction of being the second largest gas producing county in the Kansas portion of the Hugoton Gas Area. During the year, 570 wells produced 84,458,345 thousand cubic feet of gas. Three new gas wells were completed in 1955.

The Columbian Fuel Corporation No. 1 D. Hinshaw in sec. 31, T. 28 S., R. 36 W., was drilled into the Lansing—Kansas City

group of rocks before being plugged back to the Chase gas producing strata. The Lansing rocks were reported topped at a depth of 4,169 feet; drilling began at an elevation of 3,095 feet above sea level.

The 3 new Grant County gas wells are shown on Plate 3. Grant County's large share of the production from the Hugoton Gas Area is listed in Table 58. Early history of the Hugoton Gas Area is discussed in the chapter on natural gas.

GREENWOOD COUNTY

(Map Pl. 1)

The 1955 production: oil from 68 areas in 58 fields 6,485,392 barrels including approximately 5,401,273 barrels from secondary recovery projects. Wells drilled in 1955 (estimated): oil 243, dry 61, input 56, salt-water disposal 12, total 372 including 2 (reported) dry wildcats. Fields discovered 1.

Developments during 1955.—Greenwood County's oil production was increased over that of 1954 when 6,141,476 barrels was reported. It was estimated that the same number of wells was drilled each year.

The Nomenclature Committee officially named the **Salt Springs** field during 1955. The discovery well, the Bedell-Catt Drilling Company No. 1 Hodgson in sec. 23, T. 26 S., R. 12 E., was completed during 1954 and was assigned an initial potential of 25 barrels of oil per day, from the Arbuckle dolomite at a depth of 2,037 to 2,039 feet. No production has been reported from the field. Data on the discovery well are given in Table 6.

A dry wildcat test well was drilled by John R. Zimmerman in the NE¼ SE¼ NE¼ sec. 5, T. 28 S., R. 12 E., to a total depth of 1,850 feet. No tops were reported. The Harold Chapman No. 1 Wise well in the SW¼ NW¼ NE¼ sec. 20, T. 26 S., R. 12 E., was abandoned at a total depth of 1,940 feet in November. The Mississippian rocks were reported at a depth of 1,890 feet, and a show of oil was reported.

Data on Greenwood County secondary recovery operations are listed in Table 1. Oil production statistics for the various fields are included in Table 57. Plate 1 shows the locations of areas from which oil was produced in 1955, of secondary recovery projects, and of dry wildcat wells drilled in 1955.

HAMILTON COUNTY

(Map Pl. 3)

The 1955 production from 2 fields: oil 9,421 barrels, gas 5,196,385 thousand cubic feet. Wells drilled in 1955: oil 1, dry 8, total 9 including 5 dry wildcats. Fields discovered 1.

Developments during 1955.—After discovery of the **Helfrich** oil field, oil production was reported from Hamilton County for the first time. Gas production, all from the Chase group of rocks in the Hugoton Gas Area, rose to 5,196,385 thousand cubic feet, and 5 rank wildcat tests were drilled during the year.

The **Helfrich** field was discovered by the United Producing Company No. 1 Helfrich well in sec. 6 T. 25 S., R. 42 W., in February. An initial potential of 50 barrels of oil per day was assigned, from the Morrowan rocks at a depth of 5,040 to 5,050 feet (Table 6). Two offset wells drilled by the same company in the same section were declared dry. The Sinclair Oil and Gas Company No. 1 Barnett in sec. 5, T. 25 S., R. 42 W., was also an offset dry test.

During 1955, 5 important dry wildcat tests were drilled. All penetrated the Mississippian strata, and one, the United Producing Company No. 1 Staerkel in sec. 14, T. 22 S., R. 41 W., cut the Arbuckle dolomite at a depth of 6,021 feet. Important tops, in addition to those listed in Table 30, include Viola limestone at 5,870 feet and the Simpson group at 6,016 feet depth. No shows of oil were reported in any of the 5 tests.

TABLE 30.—*Dry wildcat tests drilled in Hamilton County during 1955*

Company and farm	Location	Surface elevation, feet	Depth to top of Lans.-K.C., feet	Depth to top of Mississippian, feet	Total depth, feet
United Producing Company, Inc. No. 1 Staerkel	C SE SE 14-22-41W	3,559	3,920	5,245	6,195
United Producing Company, Inc. No. 1 Owens	C SW SW 7-23-42W	3,416	3,645	5,054	5,188
Lion Oil Co. No. 1 Tate	C SW SW 17-24-42W	3,387	3,634	5,130	5,273
United Producing Company, Inc. No. 1 Shaffer	C SE NW 32-25-39W	3,375	3,698	5,418	5,548
Musgrove Petroleum Corp. No. 1 Bray	NW NW NW 26-25-41W	3,542	3,920	5,455	5,605

Hamilton County's first oil field, the rank wildcat locations, and the Hugoton Gas Area are shown on Plate 3. The **Helfrich** field oil production is given in Table 57, and the Hugoton Gas Area production is listed in Table 58. Historical data on the Hugoton Gas Area are given in the chapter on natural gas.

HARPER COUNTY

(Map Pl. 2)

The 1955 production from 9 fields: oil 558,496 barrels, gas 1,058,767 thousand cubic feet. Wells drilled in 1955: oil 67, gas 6, dry 34, salt-water disposal 1, total 108 including 20 dry wildcats. Fields discovered 3, combined 2, abandoned 1.

Developments during 1955.—Oil production from Harper County jumped from about 150,000 barrels in 1954 to more than 550,000 barrels this year. Of 108 wells drilled during the year, 67 were new oil wells. All reported gas production was from the **Grabs** field.

Three new fields in the county were named during 1955, one oil, one gas, and one a combination of the two. The **Grabs Northwest** gas field was discovered by the Rupp-Ferguson No. 1 Kennedy well in sec. 15, T. 31 S., R. 9 W., in August. An initial potential of 4,200,000 cubic feet of gas per day was assigned from the Mississippian rocks at a depth of 4,416 to 4,420 feet. The **Miller** oil field was discovered by the Aurora Gasoline Company No. 1 Miller well in sec. 11, T. 33 S., R. 8 W., in November. The Misener sandstone in this well had an initial potential of 427 barrels of oil per day from a depth of 4,895 to 4,900 feet. Champlin Refining Company brought in the discovery well of the **Spivey Southeast** field on the McIntire lease in sec. 1, T. 31 S., R. 8 W., in June. The Mississippian strata had an initial potential of 31 barrels of oil per day and 1,250,000 cubic feet of gas per day from a depth of 4,380 to 4,387 feet. These discovery wells are listed in Table 6.

Before the end of the year, the **Dusenbury** and **Dusenbury North** fields were declared to be producing from a common zone in the Mississippian rocks with the **Grabs South** field and were combined with that field. The **Anthony** (Mississippian) gas field, which was discovered in 1954, was abandoned this year, having no reported cumulative production.

During 1955, completion of 63 new Mississippian oil wells in the **Grabs** field, the largest oil field in the county, brought the

TABLE 31.—*Dry wildcat tests drilled in Harper County during 1955*

Company and farm	Location	Surface elevation, feet	Depth to top of Mississippian, feet	Depth to top of Arbuckle, feet	Total depth, feet
Jones, Shelburne & Farmer, Inc. No. 1 Schlickau	SE NE SE 10-31-5W	1,352	4,148	4,752	4,770
*Transit Corporation No. 1 Wohlschlegel	NW NW SW 33-31-6W	1,416	4,313	4,886	4,936
Harry Bass Drlg. Co. No. 1 Cox	NE SW NE 5-31-9W	1,704	4,452	.....	4,474
Petroleum, Inc. No. 1 Anthony "D"	NW NW NE 17-31-9W	1,726	4,488	4,771**	4,780
Petroleum, Inc. No. 1 Best	SE SE SE 30-31-9W	1,621	4,404	4,920	4,960
Sohio Petro. Co. No. 1 Ayers	NE NE SW 16-32-5W	1,299	4,285	4,848	4,900
Sohio Petro. Co. No. 1 Larsen	SE SW NE 16-32-7W	1,411	4,394	4,895	4,970
Anschutz Drlg. Co., Inc. No. 1 Joseph	NW NW NE 30-32-9W	1,412	4,388	.....	4,500
Jones, Shelburne & Farmer, Inc., et al No. 1 Jorden	SW SW NE 3-33-5W	1,318	4,364	.....	4,885
The Texas Co. No. 1 Rump	NW SW NW 27-33-5W	1,298	4,414	.....	4,911
The Texas Co. No. 1 Harrison	NE NW NW 13-33-6W	1,341	4,362	4,987	5,033
*Jones, Shelburne & Farmer, Inc., et al. No. 1 Elliot	SW SE NW 21-33-7W	1,320	4,527	5,137	5,187
Anschutz Drlg. Co., Inc. No. 1 Man Warren-Hoyt	SW SW SE 7-33-8W	1,359	4,446	5,026	5,076
The Texas Co. No. 1 Orr	SW NW NE 23-34-7W	1,343	4,648	5,299	5,375
*C. H. Nicholson No. 1 Carr	NW SW NW 35-34-7W	1,400	4,765	5,512	5,562
Continental Oil Co. No. 1 Minzer	SW SW SW 11-34-9W	1,310	4,590	5,184	5,225
*Russell Cobb, Jr. No. 1 Williams	NW NW SE 9-35-5W	1,232	4,610	5,180**	5,212
The Texas Co. No. 1 Kaster	NW SW SW 8-35-6W	1,285	4,636	.....	4,694
Continental Oil Co. No. 1 McKee	SE SW NW 6-35-7W	1,312	4,756	5,485	5,518
Aurora Gasoline Co. No. 1 Zellers	SW SW SW 10-35-8W	1,266	4,778	5,563	5,585

* No electric or radioactivity logs available. Kansas Sample Log Service, Independent Oil & Gas Service, and other available data sources have been used.

** Depth to top of the Viola, feet.

total number of producing wells in the field to 110. Production during 1955 was reported as 530,765 barrels of oil.

Of the dry wildcat tests, 8 reported shows of oil or gas. The Texas Company No. 1 Orr in sec. 23, T. 34 S., R. 7 W., reported small amounts of gas through perforations in the Mississippian strata. The tops of significant marker beds penetrated during drilling are recorded in Table 31.

The locations of the dry wildcats, the three new fields, and the old oil and gas producing areas are shown on Plate 2. Oil production by fields is given in Table 57, gas production in Table 58.

HARVEY COUNTY

(Map Pl. 2)

The 1955 production from 8 fields: oil 223,804 barrels, gas 334,982 thousand cubic feet. Wells drilled in 1955: oil 1, gas 1, dry 9, total 11 including 7 dry wildcats. Reworked wells: oil 1.

Developments during 1955.—Oil production in Harvey County increased about 35 percent over last year's figures, but gas production declined. Drilling activity resulted in the completion of only 11 holes, of which 7 were rank wildcats.

One extension well was completed in the **Halstead** field and 1 gas well in the **Graber** field during the year. The E. K. Carey

TABLE 32.—*Dry wildcat tests drilled in Harvey County during 1955*

Company and farm	Location	Surface elevation, feet	Depth to top of Lans.-K.C., feet	Depth to top of Mississippian, feet	Depth to top of "Hunton", feet	Total depth, feet
*Charles Lamar Carlock No. 1 Dilts	NE NE NE 19-22-1W	1,456	2,331	2,951	3,344	3,625
Geo. P. Vye No. 1 Lohrentz	SW SW NW 17-22-2W	1,461	2,462	3,161	3,568	3,735
*Charles Lamar Carlock No. 1 McGinn	NE NE NE 29-24-1W	1,382	2,427	3,175	.....	3,220
Birmingham-Bartlett Drlg. Co. No. 1 Wear	SE SW NW 7-24-2W	1,429	2,526	3,360	3,787	4,000
*Orville H. Parker No. 1 Simonson	NE NW SW 13-24-2W	1,390	2,455	3,292	3,740	3,940
*Tennessee Gas Comm. No. 1 Littan	SW SW SE 11-22-2E	1,407	2,087	2,757	3,044	3,250
*Jocelyn-Varn Oil No. 1 Koppes	NW NW SE 6-23-1E	1,456	2,327	2,979	.....	3,029

* No electric or radioactivity logs available. Kansas Sample Log Service, Independent Oil & Gas Service, and other available data sources have been used.

Drilling Company No. 1 Goering dry hole in the **Graber** field had good shows of oil in the "Hunton" strata, but testing showed an excess of water compared to oil. An old gas well in the **Sperling** field was reworked by Musgrove Petroleum Corporation for a small oil well from the "Hunton" rocks.

Of the 7 rank wildcats drilled during the year 4 penetrated the Arbuckle dolomite, although the deepest known producing rocks are of the Simpson group. Three of the tests reported shows of oil. One of the shows was in the Mississippian rocks, one in the "Hunton", and one in the Simpson group. Additional data on the rank wildcat tests are given in Table 32.

The locations of the oil and gas fields and the rank wildcats are shown on Plate 2. Oil production is given in Table 57, and gas production in Table 58.

HASKELL COUNTY

(Map Pl. 3)

The 1955 production: oil from 1 field 64,632 barrels, gas (all from the Hugoton Gas Area) 32,768,432 thousand cubic feet. Wells drilled in 1955: oil 5, gas 40, dry 2, total 47. Reworked wells: oil 1, gas 1.

Developments during 1955.—Oil production from Haskell County's only oil field, **Pleasant Prairie**, amounted to 64,632 barrels from 7 wells producing from Mississippian strata. Gas production, all from the Hugoton Gas Area, increased about 28 percent over the figure reported for 1954. Completions during 1955 exceeded by 2 the number during 1954.

Helmerich and Payne completed 5 extension oil wells in the **Pleasant Prairie** field during the year. All had initial potentials greater than 190 barrels of oil per day. The Helmerich and Payne No. 17 Jones "O" well, in sec. 9, T. 27 S., R. 34 W., was drilled into the Arbuckle dolomite before being plugged back to the Mississippian producing zone.

Routine development of the productive Chase group of rocks in the Hugoton Gas Area added 40 new gas wells, 2 dry holes, and 1 reworked gas well to the field. Cumulative production from the county's portion of the field is now more than 250 billion cubic feet of gas. The Cities Service Gas Company No. 1 Watson "E" well in sec. 24, T. 30 S., R. 32 W., is credited with more

than 15 million cubic feet per day, the largest initial potential of any of the 40 new gas wells drilled during the year.

The locations of the new Hugoton Gas Area wells and dry holes and the one oil field are shown on Plate 3. Oil production is reported in Table 57, and gas production is reported in Table 58. Historical data on the Hugoton Gas Area are given in the chapter on natural gas.

HODGEMAN COUNTY

(Map Pl. 3)

The 1955 production from 3 fields: oil 104,632 barrels. Wells drilled in 1955: dry 6 (all wildcats).

Developments during 1955.—Oil production from Hodgeman County during 1955 was 30 percent less than that reported for 1954. The decline was entirely due to the decrease in production from the **Purdyville** field. The same number of dry wildcat tests, 6, was drilled during each of the last two years.

Of the 6 rank wildcat tests attempted during the year, 2 reported shows of oil, the Trans-Era Petroleum, Inc., No. 1 Eichman "C" in sec. 4, T. 23 S., R. 24 W., and the No. 1 Knoefter in sec. 10, T. 23 S., R. 24 W. The top of the Arbuckle dolomite was reported penetrated at a depth of 4,698 feet in the Musgrove Petroleum Corporation No. 1 Warner well in sec. 14, T. 21 S., R. 21 W., at 4,830 feet in the Trans-Era Petroleum, Inc., No. 1 Regnier

TABLE 33.—*Dry wildcat tests drilled in Hodgeman County during 1955*

Company and farm	Location	Surface elevation, feet	Depth to top of Lans.-K.C., feet	Depth to top of Mississippian, feet	Total depth, feet
Musgrove Petro. Corp. No. 1 Warner	NW NW SW 14-21-21W	2,146	3,722	4,329	4,730
*Trans-Era Petro., Inc. No. 1 Regnier	NW NW SW 29-21-21W	2,196	3,806	4,411	4,865
*F. K. Johnson No. 1 Childs	NW NW SE 4-21-26W	2,456	3,808	4,444	4,482
*Trans-Era Petro., Inc. et al. No. 1 Jenson	SW SW SE 26-22-23W	2,268	3,874	4,498	5,031
*Trans-Era Petro., Inc., et al No. 1 Eichman "C"	SE SE SE 4-23-24W	.....	3,910	4,557	4,562
Trans-Era Petro., Inc., et al. No. 1 Knoefter	NE NE NW 10-23-24W	2,303	3,898	4,540	4,646

* No electric or radioactivity logs available. Kansas Sample Log Service, Independent Oil & Gas Service, and other available data sources have been used.

in sec. 29, T. 21 S., R. 21 W., and at 4,972 feet in the Trans-Era Petroleum, Inc., No. 1 Jenson in sec. 26, T. 22 S., R. 23 W. Additional information on important marker beds encountered in drilling the wildcat tests is reported in Table 33.

The locations of the producing areas and of the dry wildcat tests are shown on Plate 3. The production from Hodgeman County's 3 producing fields is given in Table 57.

JEFFERSON COUNTY

(Map Pl. 1)

No production reported from the established fields.

Developments during 1955.—The McLouth field is being utilized for the storage of natural gas. No gas or oil production was reported.

JOHNSON COUNTY

(Map Pl. 1)

The 1955 production: 4,328 barrels of oil from 2 fields. Well drilled in 1955 (estimated): oil 3, dry 6, total 9.

Developments during 1955.—The reported oil production in Johnson County in 1955 was somewhat less than in 1954 when 6,037 barrels was reported.

Oil production statistics are listed in Table 57, gas in Table 58. Locations of areas from which oil was produced in 1955 are shown on Plate 1.

KEARNY COUNTY

(Map Pl. 3)

The 1955 production from 1 field: oil 39,520 barrels (all from the Hugoton Gas Area) 59,523,103 thousand cubic feet. Wells drilled in 1955: total 27 (all gas).

Developments during 1955.—There were 27 new Chase group gas wells added to the Kearny County portion of the huge Hugoton Gas Area. Geographically, most of the new wells were completed in the west central portion of the county, extending the limit of the known producing area several miles west and northwest. Reported gas production, however, dropped slightly from that of 1954. Oil production from Kearny County's only field, **Patterson,** increased almost 26 percent over the previous year.

Among the 27 new gas wells, initial potentials ranged from about 1 million to 19 million cubic feet per day. The largest initial potential was reported from the Kansas-Nebraska Natural Gas Company, Inc., No. 2 Miles well in sec. 12, T. 24 S., R. 38 W.

The new Kearny County gas wells are mapped on Plate 3. Gas production and the productive acreage are reported in Table 58, oil production in Table 57. Historical data on the Hugoton Gas Area are given in the chapter on natural gas.

KINGMAN COUNTY

(Map Pl. 2)

The 1955 production from 30 fields: oil 1,552,659 barrels, gas 1,800,061 thousand cubic feet. Wells drilled in 1955: oil 65, gas 12, dry 38, salt-water disposal 2, total 117 including 17 dry wildcats. Reworked wells: oil 2, dry 2. Fields discovered 13, combined 1, abandoned 1. Secondary recovery projects 1.

Developments during 1955.—The interest in Kingman County manifested in 1954 continued during 1955, as shown by 117 wells drilled, an increase of almost 83 percent in oil production, and an increase of about 50 percent in gas production.

The 9 new Mississippian fields named during the year are **Bertholf** (gas), **Rago** (oil), **Reida West** (oil), **Rochester** (gas), **Spade** (oil), **Spivey West** (oil and gas), **Sunny View** (oil and gas), **Trenton** (gas), and **Zenda South** (oil and gas). **Dewey North** and **Gilchrist** are newly discovered Lansing—Kansas City oil fields. The Viola limestone is the producing zone in the new **McCutcheon** oil field, and the Simpson group in the **Reida** field. Before the end of the year, the **Spade** field was abandoned, and the **Zenda South** field was combined with **Zenda.** Data on the discovery wells are given in Table 6.

Of significance in the county during the year was the successful completion of 38 oil wells, 2 gas wells, and 2 dry holes in the **Spivey** (Mississippian) field. The 83 producing wells in the field yielded more than 600,000 barrels of oil during 1955. In the **Willowdale** (Viola) field 8 extension oil wells, 1 dry hole, and 1 salt-water disposal well were completed during the year. Production of more than 318,000 barrels of oil was reported from only 29 wells.

Of the 17 rank wildcat tests, 10 reported shows of oil or gas. Most of these shows were in Mississippian rocks, nevertheless

most of the test holes were drilled into the top of the Arbuckle dolomite. Marker beds encountered in drilling these exploratory holes are tabulated in Table 34.

Gas production from the Kingman County portion of the **Cunningham** field has been included with Pratt County this year. Ow-

TABLE 34.—*Dry wildcat tests drilled in Kingman County during 1955*

Company and farm	Location	Surface elevation, feet	Depth to top of Lans.-K.C., feet	Depth to top of Mississippian, feet	Depth to top of Arbuckle, feet	Total depth, feet
Anschutz Drlg. Co., Inc. No. 1 Goering	NW NW NW 18-27-5W	1,509	3,016	3,763	4,292	4,336
*Anschutz Drlg. Co., Inc. No. 1 City of Kingman	NW NW SE 30-27-7W	1,605	3,264	3,956	4,448	4,460
Aurora Gasoline Co. No. 1 Layman	NE NE NE 8-27-8W	1,647	3,356	3,988	4,464	4,491
Petroleum, Inc. No. 1 Groom	SE SE NE 29-28-7W	1,575	3,290	4,034	.....	4,134
Aurora Gasoline Co. No. 1 Hibbs	SE SW NW 32-28-8W	1,610	3,433	4,080	4,557	4,600
Iron Drlg. Co. No. 1 Sears	NE NE NE 5-28-9W	1,679	3,472	4,048	4,512	4,540
Anschutz Drlg. Co., Inc. No. 1 Liddeke	NE NE NE 27-29-5W	1,440	3,105**	4,020	.....	4,496
Aurora Gasoline Co., et al. No. 1 Rohlman	SE SE NW 18-29-8W	1,654	3,498	4,156	4,633	4,683
Rupp-Ferguson Oil Co. No. 1 Shepard	NE NE SE 30-29-8W	1,589	3,476	4,186	4,630	4,666
Cities Service Oil Co. No. 1 Schreiner	SE SE SE 17-29-9W	1,661	3,576	4,193	4,643	4,670
D. R. Lauck Oil Co., Inc. No. 1 Weathered	SE SE NE 21-30-5W	1,430	3,220**	4,170	4,724	4,763
*Trans-Era Petro., Inc., et al. No. 1 Tullgrem	NE NE NW 15-30-6W	1,413	3,244	4,087	4,628	4,670
Trans-Era Petro., Inc., et al. No. 1 Raida	SE SE SE 28-30-6W	1,460	3,372**	4,159	4,692	4,735
W. L. Hartman, et al. No. 1 Johnson	NW NE NE 8-30-7W	1,477	3,323	4,136	.....	4,235
Murphy Oil Co. of Okla., Inc. No. 1 Young	NE NE NE 12-30-8W	1,494	3,380	4,117	4,644	4,680
Petroleum, Inc. No. 1 Borgelt	SE SE SE 15-30-9W	1,635	3,602	4,310	.....	4,425
*Jones, Shelburne & Farmer, Inc. No. 1 Carter	SW SW NE 1-30-10W	1,683	3,650	4,245	4,679	4,693

* No electric or radioactivity logs available. Kansas Sample Log Service, Independent Oil & Gas Service, and other available data sources have been used.

** Depth to top of "Brown Lime", feet.

ing to the unitization of many leases in the field, separation of production on a county basis was not feasible.

The locations of the dry wildcat tests and of the producing fields are shown on Plate 2. Oil production statistics are given in Table 57, gas in Table 58. Data on the **Cunningham** field secondary recovery project, which extends into Kingman County from Pratt County, are given in Table 1.

KIOWA COUNTY

(Map Pl. 2)

The 1955 production from 10 fields: oil 57,722 barrels, gas 4,961 thousand cubic feet. Wells drilled in 1955: oil 11, gas 6, dry 29, total 46 including 19 dry wildcats. Reworked wells: gas 1, dry 2. Fields discovered 7.

Developments during 1955.—Exploration in Kiowa County was highlighted by the discovery of 7 new fields. A total of 46 holes was drilled this year, 11 oil, 6 gas, and 29 dry. Of the dry holes, 19 were rank wildcat wells, drilled at distances greater than 1½ miles from production. Crude oil production exceeded 57,000 barrels from 7 oil fields.

The new Mississippian fields are **Betzer, Haviland** ("Kinderhook"), **Mullinville, Nichols, Pyle,** and **Soldier Creek.** The discovery well of the **Haviland** field was assigned potentials of both oil and gas; that of **Nichols** was given a potential as a gas well only. The other new Mississippian field discovery wells were all assigned potentials as oil wells. **Wellsford,** discovered in November, was declared to be a new Marmaton gas producing field. The locations of the discovery wells, the tops of the producing zones, the thicknesses of the producing zones, and the amounts of the initial potentials are given in Table 6.

Before the end of the year, a second producing zone, in the Cherokee group of rocks, was found in the **Soldier Creek** field. An initial potential of 117 barrels of oil per day was assigned the discovery well (Table 7).

Field development programs resulted in the completion, in addition to discovery wells, of 2 dry holes in the **Betzer,** 1 dry hole in the **Exel,** 1 oil well and 2 dry holes in the **Haviland,** 1 oil well in the **Mullinville,** 5 gas wells and 2 dry holes in the **Nichols,** 3 oil wells and 3 dry holes in the **Pyle,** and 1 dry hole in the **Soldier Creek** field.

TABLE 35.—*Dry wildcat tests drilled in Kiowa County during 1955*

Company and farm	Location	Surface elevation, feet	Depth to top of Lans.-K.C., feet	Depth to top of Mississippian, feet	Total depth, feet
*Murfin Drlg. Co., et al. No. 1 Matthews	SE SE NE 7-27-16W	2,109	4,093	4,588	4,990
*Jones, Shelburne & Farmer, Inc., et al. No. 1 Rose	SE SE SE 13-27-16W	2,078	4,038	4,522	4,897
Armer Drlg. Co., Inc., et al. No. 1 Reeder	NW NW NW 22-27-16W	2,091	4,066	4,569	4,947
*Graham-Messman-Rinehart Oil Co. No. 1 Hargadine "B"	NE NE SE 5-27-19W	2,263	4,195	4,798	4,890
*Jones, Shelburne & Farmer, Inc. No. 1 Parton "A"	SW SW SW 6-27-19W	2,270	4,198	4,794	5,340
Graham-Messman-Rinehart Oil Co. No. 1 Farrar	SW SW SE 15-27-19W	2,247	4,192	4,773	4,840
Graham-Messman-Rinehart Oil Co. No. 1 Barnes "D"	NE NE NE 21-27-19W	2,246	4,174	4,762	4,848
Gulf Oil Corp. No. 1 Einsel	NW NW SE 4-27-20W	2,304	4,235	4,896	4,952
Murfin Drlg. Co., et al. No. 1 Boman	SE SE NW 31-28-16W	2,139	4,192	4,740	5,040
Murfin Drlg. Co. No. 1 Lewis Kuhn	SE SE NW 33-28-16W	2,097	4,156	4,703	4,800
Aurora Gasoline Co., et al. No. 1 Thompson	SW SW NW 4-28-17W	2,164	4,163	4,710	5,075
Aurora Gasoline Co. No. 1 Ahrens	NW NW NW 35-28-18W	2,250	4,279	4,878	5,214
Falcon Seaboard Drlg. Co. No. 1 Taylor	NW NW SE 2-28-19W	2,287	4,285	4,840	5,395
Schafer Drlg. Co. No. 1 Howell "A"	SE SE NE 11-29-16W	2,006	4,085	4,584	4,678
Barbara Oil Co. No. 1 Conklin	SW SW SW 11-29-17W	2,064	4,152	4,702	5,125
Rupp-Ferguson Oil Co. No. 1 Barstow	S2 SE SW 28-29-17W	2,154	4,285	4,859	4,925
Gulf Oil Corp. No. 1 Peckham	SE SE NW 11-29-19W	2,313	4,375	4,982	5,082
*L. C. Smitherman Drlg. Co. No. 1 Rice	SW SW SE 8-30-16W	1,849	4,025	4,600	4,737
Rupp-Ferguson Oil Co. No. 1 Coates	SE SE SW 4-30-20W	2,321	4,480	5,137	5,260

* No electric or radioactivity logs available. Kansas Sample Log Service, Independent Oil & Gas Service, and other available data sources have been used.

None of the 19 dry wildcat tests was drilled into the Arbuckle dolomite and only 2 were drilled as deep as the Viola limestone. Most of the shows of oil or gas reported were from the Mississippian section. Graham-Messman-Rinehart Oil Company had two near misses. Their No. 1 Barnes "D" in sec. 21, T. 27 S., R. 19 W., reported shows of oil in the Lansing—Kansas City(?) strata and the Mississippian rocks. An offset drilled later by the same company on the Farrar lease in sec. 15 reported shows from the Mississippian strata. Both had an overabundance of water after fracturing. The surface elevations and depths to top of the Lansing—Kansas City and the Mississippian rocks are given in Table 35.

The locations of the rank wildcat tests and of the new and old producing oil and gas fields are shown on Plate 2. Data on the oil production from the county's fields are given in Table 57; similar data for gas production are given in Table 58.

LABETTE COUNTY

(Map Pl. 1)

The 1955 production: oil from 23 areas in 12 fields 98,077 barrels including approximately 67,758 barrels from secondary recovery projects, gas 102,131 thousand cubic feet. Wells drilled in 1955 (estimated): oil 36, dry 15, repressuring 10, total 61.

Developments during 1955.—Oil production in Labette County in 1955 was appreciably greater than in 1954 when 80,931 barrels was reported. Data on oil production in the various fields are listed in Table 57, gas in Table 58. Water flooding statistics are listed in Table 1. Locations of areas from which oil was produced in 1955 and of water flooding projects are shown in Plate 1.

LEAVENWORTH COUNTY

(Map Pl. 1)

The 1955 production: oil none reported, gas 19,376 thousand cubic feet. Wells drilled in 1955 (estimated): oil 8, dry 3, total 11.

Developments during 1955.—No oil production in Leavenworth County was reported. Gas production statistics are listed in Table 58.

It was estimated that 8 oil wells and 3 dry holes were drilled in the county during the year.

LINN COUNTY

(Map Pl. 1)

The 1955 production: oil from 15 areas in 5 fields 94,367 barrels including approximately 86,530 barrels from secondary recovery projects, gas (estimated) 17,912 thousand cubic feet. Wells drilled in 1955 (estimated): oil 25, dry 18, total 43.

Developments during 1955.—Linn County oil production increased in 1955 over that of 1954 when 87,505 barrels was reported. Estimated drilling activity was somewhat less than in the previous year.

Oil production in the several Linn County areas is listed in Table 57, gas in Table 58. Water-flooding data are listed in Table 1. Locations of areas from which oil was produced in 1955 and of secondary recovery projects are shown on Plate 1.

LYON COUNTY

(Map Pl. 1)

The 1955 production: oil from 9 fields 415,762 barrels including approximately 124,914 barrels from secondary recovery projects. Wells drilled in 1955 (reported): oil 27, gas 1, dry 21, input 2, total 51 including 11 dry wildcats.

Developments during 1955.—Oil production in Lyon County continues to show an increase over the previous year. The 1955 production was about 9 percent more than that reported for 1954. The number of wells of all types increased from 30 in 1954 to 51 during 1955.

The total of 11 dry wildcat wells drilled in 1955 is an unusually large number for Lyon County. Data on these wells are listed in Table 36. The locations are shown on Plate 1.

Three oil wells, 1 gas well, and 1 dry hole were reported in the **Bradfield** field. In the **Bradfield Northwest,** 1 oil well, 2 dry holes, and 2 abandoned locations were reported. Four oil wells were added to the **Ly-Green** field, which was opened in 1954. One dry hole was reported in the **Ritchey-Moore** field, and one oil well in the **Rock Creek** field. The greatest drilling activity reported was in the **Fankhauser** field where, in the Lyon County part, there were 18 new oil wells, 4 dry holes, and 2 input wells drilled. One dry hole in the **Welch-Mohr** field was reported.

Oil production statistics for the Lyon County fields are listed in Table 57. Locations of fields from which oil was produced in 1955, of water-flooding projects, and of dry wildcat wells drilled

in 1955 are shown on Plate 1. Secondary recovery data are listed in Table 1.

TABLE 36.—*Dry wildcat tests drilled in Lyon County during 1955*

Company and farm	Location	Surface elevation, feet	Depth to top of Lansing, feet	Depth to top of Mississippian, feet	Depth to top of Viola, feet	Total depth, feet
White & Ellis Drlg. Co. No. 1 E. Miller	SW SW NE 1-16-12E	1,144	997	2,027	2,673	2,865
Shell Oil Co. No. 1 Hagins	SE NW NE 13-17-11E	1,257	1,146	2,170	2,763	3,014
*Glen Bradley, et al. No. 1 Davis	NW NW NW 36-20-10E	1,300	1,247	2,225	2,660	2,825
*Rex & Morris Drlg. Co. No. 1 Conrad	NE SE NW 2-21-10E	1,317	.....	2,296	2,730	2,750
*Don Jones, et al. No. 1 Hale	SW SW NE 22-21-10E	1,250	.....	2,165	.....	2,195
*Sauder Drlg. Co. No. 1 Haughton	NE SE NW 26-21-11E	.....	.....	2,008	.....	2,050
*Sunflower Drlg., et al. No. 1 Haughton	SE SE SW 27-21-11E	.....	.....	.....	1,898**	2,060
*Pat Murta, et al. No. 1 Dow	S½ N½ NE 3-21-12E	.....	.....	1,881	.....	1,902
*Peter Schrag No. 1 Arnett	NW NW SE 7-21-12E	.....	1,262†	.....	1,931**	2,070
*D. A. McDonald, et al. No. 1 Vogts	NE NE SW 18-21-12E	.....	1,035	.....	2,000**	2,031
*D. A. McDonald, et al. No. 1 Welch	C NW SE 18-21-12E	.....	1,032	.....	1,989**	2,040

* No electric or radioactivity logs available. Kansas Sample Log Service, Independent Oil & Gas Service, and other available data sources have been used.
** Depth to top of "Bartlesville" sand zone, feet.
† Depth to top of Kansas City, feet.

McPHERSON COUNTY

(Map Pl. 2)

The 1955 production from 38 fields: oil 4,457,559 barrels including production from secondary recovery projects, gas 19,598 thousand cubic feet. Wells drilled in 1955: oil 89, dry 58, salt-water disposal 2, total 149 including 18 dry wildcats. Reworked wells: oil 1, dry 3, salt-water disposal 1. Fields discovered 2, combined 1.

Developments during 1955.—Oil production from McPherson County increased almost 11 percent over that reported during 1954. Gas production decreased considerably. The number of new wells and dry holes completed declined by 20 to a total of 149 for the year.

The **Lindsborg South** field was discovered in 1955 by the Rupp-Ferguson Oil Company No. 1 Landgren well in sec. 6, T. 18 S., R. 3 W. The Simpson rocks had an initial potential of 25 barrels of oil per day from a depth of 3,523 to 3,527 feet. Before the end

TABLE 37.—*Dry wildcat tests drilled in McPherson County during 1955*

Company and farm	Location	Surface elevation, feet	Depth to top of Lans.-K.C., feet	Depth to top of Mississippian, feet	Depth to top of Arbuckle, feet	Total depth, feet
*Donald T. Ingling, et al. No. 1 Sorenson	NW SE NE 2-17-1W	.....	2,111	1,750	.....	2,767
*Tom Brown Const. No. 1 Ziettlow	NW NW NW 6-17-1W	1,394	2,143	2,746	.....	2,776
The Texas Co. No. 1 A. C. Dahlsten	SE SW SE 21-17-4W	1,380	2,389	3,038	3,695	.....
John Margher No. 1 Gibson	NW NW SE 6-18-2W	1,477	2,384	3,065	.....	3,165
Trans-Era Petro., Inc. No. 1 Jackson	SW SW SW 4-18-3W	1,434	2,377	3,033	3,708	3,733
Trans-Era Petro., Inc., et al. No. 1 Bronkshire	SW SW SE 20-18-3W	1,474	2,414	3,088	.....	3,663
Durbin Bond & Co., Inc. No. 1 Myers	NW SW NE 15-18-5W	1,515	2,635	3,261	3,832	3,855
*Stag Drlg., Inc., et al. No. 1 Neel	NE NE NW 33-18-5W	1,589	2,732	3,361	.....	3,887
Natl. Coop. Ref. Assn. No. 1 Anderson	SE SE NW 15-19-3W	1,501	2,436	3,088	3,770	3,810
*Trans-Era Petro., Inc. No. 1 Harter	SW NW SW 6-19-5W	.....	2,875	3,486	3,978	4,003
*Shelley-Miller Drlg., Inc. No. 1 Landis	SE SE SE 3-20-1W	1,552	2,330	2,909	3,532	3,539
*Natl. Coop. Ref. Assn. No. 1 Mabel Jahn	SE SE NE 29-20-1W	1,542	2,351	2,950	3,557	3,600
H. C. Spore No. 1 Price	SW SW NW 33-20-1W	1,523	2,346	3,245**	3,554	3,570
*E. K. Carey Drlg. Co., Inc. No. 1 Goering	NW SE SE 23-20-3W	1,484	2,404	3,074	.....	3,123
Shelley-Miller Drlg., Inc. No. 1 Neufeldt	NE NE SW 30-20-3W	1,470	2,529	3,229	3,845	3,867
Thunderbird Drlg., Inc. No. 1 Bukey	SE SE NE 26-20-4W	1,483	2,584	3,225	3,864	3,887
Sinclair Oil & Gas Co. No. 1 Klassen	SE NW NW 21-21-4W	1,499	2,629	3,330	3,967	4,010
*Trans-Era Petro., Inc., et al. No. 1 Thiessen	NE SE NW 31-21-4W	1,527	2,694	3,369	3,998	4,013

* No electric or radioactivity logs available. Kansas Sample Log Service, Independent Oil & Gas Service, and other available data sources have been used.

** Depth to top of the Kinderhook, feet.

of the year 3 offset wells and 2 dry holes were completed in the new field. The second field discovered in the county during the year was **Harmac**, opened by the Brunson Drilling Company, Inc., No. 1 Stucky well in sec. 35, T. 21 S., R. 3 W. An initial potential of 35 barrels of oil per day was gaged, from the "Hunton" at a depth of 3,521 to 3,525 feet. The discovery wells of these 2 new fields are described in Table 6.

Before the end of the year the **Lively** field was combined with the **Ritz-Canton** field. The **Lively** field was discovered in April 1953, when the National Associated Petroleum Company completed their No. 1 Lively in sec. 28, T. 19 S., R. 2 W., in Mississippian rocks. Subsequent drilling between the **Ritz-Canton** Mississippian area and **Lively** led to the declaration by the Nomenclature Committee that a common source of supply existed.

Development programs resulted in the completion of 39 oil wells, 10 dry holes, and 1 salt-water disposal well in the **Ritz-Canton** field, 12 oil wells and 4 dry holes in the **McPherson** field, 5 oil wells and 3 dry holes in the **Paden South** field, and 8 oil wells and 3 dry holes in the **Windom** field.

Of the 18 rank wildcat tests, only 4 reported shows of oil. Pertinent data on the locations and marker beds penetrated in drilling these exploratory holes are tabulated in Table 37.

One old well was reworked in the **Georob** field for a salt-water disposal well, 1 reworked in **Maxwell** was dry, as was 1 reworked in the **Paden South** field. One reworked well resulted in the completion of a field well in the **Voshell** field, but a similar attempt in the **Ritz-Canton** field was fruitless.

The 4 secondary recovery projects in two fields, **Graber** and **Ritz-Canton**, in McPherson County are reported in Table 1.

The locations of the rank wildcat tests and oil and gas producing areas are shown on Plate 2. Oil production statistics by fields are given in Table 57; corresponding data for gas are given in Table 58.

MARION COUNTY

(Map Pl. 1)

The 1955 production: oil from 33 areas in 29 fields 909,605 barrels, gas 173,463 thousand cubic feet. Wells drilled in 1955 (reported): oil 69, dry 47, salt-water disposal 4, total 120 including 12 wildcats. Fields discovered 2.

Developments during 1955.—Marion County's oil production was considerably greater in 1955 than in 1954 when 724,777 barrels was reported.

The **French Creek** field was opened late in 1954 when the Anderson-Prichard Oil Corporation No. 1 P. G. Jost well in sec. 22, T. 19 S., R. 2 E., discovered a Simpson sandstone pool at a depth of 3,020 to 3,025 feet. The initial daily production of the well was established at 31 barrels of oil. Two dry holes, one in section 26 and one in section 28, were abandoned in 1955. The **Unger**, a "Hunton" limestone field, was discovered in June by the Charles Carlock No. 2 Unger well, in sec. 8, T. 21 S., R. 3 E. Initial daily production amounting to 122 barrels of oil was reported. Data on these developments are included in Table 6.

TABLE 38.—*Dry wildcat tests drilled in Marion County during 1955*

Company and farm	Location	Surface elevation, feet	Depth to top of Lans.-K.C., feet	Depth to top of Mississippian, feet	Depth to top of Viola, feet	Total depth, feet
Augusta Oil Co., Inc. No. 1 Weber	NW NE SE 4-17-3E	.....	.....	2,482	.....	2,540
Rex & Morris Drlg. Co. No. 1 Pankratz	NW NW NE 21-17-3E	1,447	1,922	2,500	2,992	3,189
*G. E. Merilatt No. 1 Merilatt	NE NW SW 5-17-4E	1,406	.....	2,324	.....	2,386
*E. K. Carey, et al. No. 1 Janzen	NW SE SE 11-19-1E	1,453	2,114	2,704	3,155	3,243
White & Ellis Drlg. Co. No. 1 Weinbrenner	SE NE SW 24-19-1E	1,474	2,140	2,736	3,173	3,351
Rex & Morris Drlg. Co. et al. No. 1 Peters	NW NE SW 32-19-1E	1,552	2,282	2,869	3,322	3,470
Anderson-Prichard Oil Corp. No. 1 Knak	S½ NE SW 8-19-2E	1,480	2,110	2,686	3,136	3,289
*Donald T. Ingling, et al. No. 1 Schlotthauer	SW SW SW 26-19-3E	1,323	1,784	2,328	2,673	2,829
*Natl. Assoc. Petro. Co. No. 1 Baxter	NE NE SW 28-19-4E	1,403	1,805	2,316	2,612	2,771
Anderson-Prichard Oil Corp. No. 1 Lacquement	SE NW SE 1-21-2E	1,449	2,038	2,600	2,898	3,065
Anderson-Prichard Oil Corp. No. 1 Brewer	NE SW NW 11-21-2E	1,461	2,080	2,627	2,912	3,297
Anderson-Prichard Oil Corp. No. 1 Kent	NE NE SW 31-21-3E	1,447	2,052	2,644	2,990	3,140

* No electric or radioactivity logs available. Kansas Sample Log Service, Independent Oil & Gas Service, and other available data sources have been used.

Reported drilling activity in Marion County in 1955 was nearly twice as great as in 1954. The largest amount of drilling was done in the **Lost Springs** field where 37 oil wells, 6 dry holes, and 3 salt-water disposal wells were drilled, and 1 old well was worked over for disposal.

Oil production statistics for the various Marion County fields are listed in Table 57. Gas production is listed in Table 58. Data concerning the 12 dry wildcat wells drilled in the county in 1955 are listed in Table 38. Locations of areas from which oil was produced and of the dry wildcat wells drilled in 1955 are shown on Plate 1.

MEADE COUNTY

(Map Pl. 3)

The 1955 production from 12 fields: oil 469,348 barrels, gas 2,781,061 thousand cubic feet. Wells drilled in 1955: oil 7, gas 7, dry 6, total 20 including 1 dry wildcat. Reworked wells: gas 1. Fields discovered 3, combined 2.

Developments during 1955.—Oil production from Meade County during 1955 was about 11 percent less than during 1954. The decrease is reflected by the decreased production from the largest oil field in the county, **Novinger.** Gas production also declined from the figure reported for 1954. The number of well completions of all types, however, increased to 20, from 11 the previous year.

Three new fields were discovered during the year, **Leslie, Novinger Northwest,** and **Singley.** The Colorado Oil and Gas Corporation No. 1-3 Leslie well in sec. 3, T. 33 S., R. 30 W., was the discovery well of the **Leslie** field. An initial potential of 1,073 barrels per day was gaged, from Morrowan rocks at a depth of 5,668 to 5,684 feet. Before the end of the year, 4 additional oil wells, 1 gas well, and 1 dry hole were completed in the field. The **Novinger Northwest** field discovery well was completed in 1953, but the field was not officially named until this year. The discovery well of the field is the Columbian Fuel Corporation No. 1 Armentrout "B" in sec. 15, T. 33 S., R. 30 W. An initial potential of 15,200,000 cubic feet of gas per day, from Morrowan rocks at a depth of 5,718 to 5,746 feet, was assigned the discovery well. The **Singley** discovery well, the Lion Oil Company No. 1 Singley in sec. 20, T. 33 S., R. 29 W., was completed as a gas well, having an initial potential of 8,080,000 cubic feet of gas per day from two

zones in the Morrowan strata at depths of 5,803 to 5,811 and 5,815 to 5,828 feet. These developments are tabulated in Table 6.

The Lansing—Kansas City zone, at a depth of 4,553 to 4,557 feet, is a new producing zone in the old **Novinger Northwest** field. An initial potential of 188 barrels of oil per day was gaged in the Shamrock Oil and Gas Corporation No. 1 Clara Vail in sec. 15, T. 33 S., R. 30 W., which discovered this zone. Additional data are given in Table 7.

The **Adams Ranch East** and **Fringer** fields were regarded by the Nomenclature Committee as producing from a common zone with **Adams Ranch** and were officially combined with that field during the year.

One dry wildcat was drilled in the county during the year. This was the Shamrock Oil and Gas Corporation No. 1 Collingwood in the cen. NE¼ sec. 7, T. 33 S., R. 30 W. This test was drilled from a rotary bushing elevation of 2,756 feet above sea level; the Lansing—Kansas City group was reached at 4,490 feet; Marmaton group, 5,118 feet; Cherokee group, 5,282 feet; Atokan group, 5,398 feet; Morrowan group, 5,612 feet; and Mississippian rocks at 5,660 feet depth. Two drill-stem tests, one in the Morrowan and one in the Mississippian rocks, recovered 85 and 25 feet of gas-cut mud, respectively. The hole was drilled to a total depth of 5,704 feet.

The locations of the dry wildcat test and of the oil and gas fields are shown on Plate 3. Oil production statistics are given by fields in Table 57, and similar data on gas are given in Table 58.

MIAMI COUNTY

(Map Pl. 1)

The 1955 production: oil from 27 areas in 4 fields 676,726 barrels, including approximately 552,731 barrels from secondary recovery operations, gas 35,327 thousand cubic feet. Wells drilled in 1955 (estimated): oil 136, repressuring 50, salt-water disposal 1, dry 68, total 255 including 1 dry wildcat.

Developments during 1955.—Reported oil production in Miami County was somewhat less than that of 1954 when 685,753 barrels was reported. Considerably fewer wells were estimated for Miami County during 1955.

One wildcat well in Miami County was reported in 1955. It is the James A. Lewis No. 1 Lewis in the NW¼ SE¼ NW¼ sec. 31,

T. 15 S., R. 24 E. The reported total depth is 850 feet. No tops were reported.

Oil production in the various Miami County areas is listed in Table 57, gas in Table 58. Water flooding statistics are listed in Table 1. Plate 1 shows locations of areas from which oil was produced in 1955 and of water flooding projects that were in operation.

MONTGOMERY COUNTY

(Map Pl. 1)

The 1955 production: oil from 58 areas in 11 fields 1,097,661 barrels including approximately 658,249 barrels from secondary recovery projects, gas 422,758 thousand cubic feet. Wells drilled in 1955 (estimated): oil 356, dry 76, repressuring 60, salt-water disposal 5, total 497.

Developments during 1955.—Montgomery County's reported oil production was slightly greater in 1955 than in 1954 when 922,153 barrels was reported.

No wildcat exploration was reported, but considerable leasing was noted during the year.

Oil production in various Montgomery County fields in 1955 is listed in Table 57, gas in Table 58. Data on secondary recovery operations are listed in Table 1. Plate 1 shows locations of the areas from which oil was produced in 1955 and of secondary recovery projects that were in operation.

MORRIS COUNTY

(Map Pl. 1)

The 1955 production: oil from 7 fields 70,143 barrels, gas 61,268 thousand cubic feet. Wells drilled in 1955 (reported): oil 13, gas 2, dry 4, total 19 including 4 dry wildcats. Fields discovered 2.

Developments during 1955.—Reported oil production in Morris County was much greater than that of 1954 when 38,403 barrels was reported.

The F. P. Drolte No. 1 Laura Jane well opened the Comiskey field, the producing zone being the Viola limestone at a depth of 2,987 to 2,999 feet. The location of the well, which was completed in December, is in sec. 23, T. 16 S., R. 9 E. The Stanolind Oil and Gas Company No. 1 J. T. Veal well in sec. 30, T. 17 S., R. 7 E.,

opened the **Veal** gas field. Initial daily gas production amounting to 1,250,000 cubic feet was recorded from the Ireland sandstone at a depth of 1,234 to 1,240 feet. The developments are listed in Table 6.

Twelve new Viola limestone oil wells were reported in the **John Creek** field and 1 Mississippian producer in the **Three Mile Creek** field. Two extension gas wells were drilled in the **Veal** field.

Data on the 4 dry wildcat wells drilled in Morris County in 1955 are listed in Table 39. The William Gruenerwald No. 1 Calvin Webster in sec. 2, T. 16 S., R. 9 E., in addition to the tabulated tops reported the "Hunton" limestone at a depth of 2,975 feet, the Maquoketa shale at 3,058 feet, and the Viola limestone at 3,132 feet. Oil production statistics for the Morris County fields are listed in Table 57; gas in Table 58.

TABLE 39.—*Dry wildcat tests drilled in Morris County during 1955*

Company and farm	Location	Surface elevation, feet	Depth to top of Lans.-K.C., feet	Depth to top of Mississippian, feet	Total depth, feet
*Augusta Oil Co. No. 1 Eshelman	SE SW NE 21-14-5E	.....	1,600	2,130	2,1777
*Francis Hawn No. 1 Kickhafer	SW NW SE 19-15-5E	1,361	1,625	2,080	2,141
*Slusser Drlg. Co., et al. No. 1 Floyd	SE NW NE 19-16-5E	1,398	.....	2,250	2,282
Wm. Gruenerwald, et al. No. 1 Calvin-Webster	SW SW SW 2-16-9E	1,373	1,570	2,524	3,182

* No electric or radioactivity logs available. Kansas Sample Log Service, Independent Oil & Gas Service, and other available data have been used.

Plate 1 shows the locations of areas from which oil was produced in Morris County in 1955 and the locations of the dry wildcat wells.

MORTON COUNTY

(Map Pl. 3)

The 1955 production from 7 fields: oil 134,786 barrels, gas 60,040,584 thousand cubic feet. Wells drilled in 1955: oil 17, gas 117, dry 13, total 147 including 2 dry wildcats. Reworked wells: oil 1, gas 1. Fields discovered 2, combined 2.

Developments during 1955.—An accelerated development program in Morton County during the year resulted in the comple-

tion of 147 new wells of all types, about a six-fold increase in oil production, about a 26 percent increase in gas production, and the discovery of 2 new gas fields

The **Elkhart** field was discovered by the Musgrove Petroleum Corporation No. 1 Jones well in sec. 11, T. 35 S., R. 43 W., in June. An initial potential of 2,579,000 cubic feet of gas per day was assigned, from the Morrowan rocks at a depth of 4,558 to 4,572 feet The **Taloga** field discovery well, the No. 1-34 Central Life Unit, was drilled by the Colorado Oil and Gas Corporation in September. An initial potential of 82,000,000 cubic feet of gas per day was assigned from the Morrowan strata in zones at depths of 4,428 to 4,432 and 4,466 to 4,505 feet. These developments are listed in Table 6.

The Nomenclature Committee also listed the Morrowan rocks as a new producing zone in an old field, **Interstate,** during the year. The discovery well was the Stanolind Oil and Gas Company No. 1 K.C. Life in sec 30, T. 34 S., R. 43 W. Additional data on this development are given in Table 7.

During the year, 100 new gas wells and 5 dry holes were completed in the Greenwood Gas Area. Production from 142 wells in the field amounted to 27,015,715 thousand cubic feet of gas during 1955. Of the new gas wells, initial potentials ranged from about 1 million to 46 million cubic feet of gas per day. The largest initial potential of any well drilled during 1955 was that of the Panhandle Eastern Pipeline Company No. 1-4 Hicks in sec. 4, T. 33 S., R. 43 W. The average initial potential of the 100 new gas wells was about 16.3 million cubic feet per day.

There were 9 extension Chase group gas wells completed in Morton County's portion of the Hugoton Gas Area during the year. The well having the largest initial potential in this field during 1955 was the Panhandle Eastern Pipeline Company No. 1-10 Hayward in sec. 10, T. 33 S., R. 40 W. An initial potential of 17.7 million cubic feet of gas per day was recorded. Gas production from that part of the **Hugoton** field within the county amounted to 30,469,944 thousand cubic feet during the year.

In all, 17 wells and 4 dry holes were completed in the **Interstate** oil field during 1955. Production during 1955 from 22 producing wells in this field amounted to 129,367 barrels of oil.

Two dry wildcat tests were drilled by the Colorado Oil and Gas Corporation in the county. The No. 1 Burgess in the SW¼ SW¼ NW¼ sec. 22, T. 31 S., R. 42 W., was drilled from a rotary bushing elevation of 3,492 feet above sea level to a total depth of 5,360 feet. The top of the Lansing group was identified on the electric log at a depth of 3,440 feet. The electric log was not run to total depth, but a scout top reported "Keyes" sand at 5,338 feet. A drill-stem test of the section from 4,622 to 4,639 feet failed to show any oil or gas.

The other wildcat venture by the Colorado Oil and Gas Corporation tested the Mississippian. The No. 1 Hanke in the cen. sec. 14, T. 31 S., R. 43 W., was drilled from a rotary bushing elevation of 3,594 feet above sea level to a total depth of 5,350 feet. The top of the Lansing group was identified on the electric log at a depth of 3,333 feet and the Mississippian rocks at 5,220 feet. No shows or any drill-stem tests were reported.

Two gas wells were drilled in the Morton County portion of the **Sparks** field, which extends into Morton County from Stanton County. No reports on production from the field were available for 1955.

During the year, the **Dreyer** and **Westola** gas fields were officially combined with the Greenwood Gas Area.

The locations of the new wells and dry holes in the Greenwood and Hugoton Gas Areas are shown on Plate 3. Also shown on Plate 3 are the other oil and gas producing fields, and the rank wildcat wells drilled during the year. Gas production statistics by fields are given in Table 58, and oil production data are included in Table 57.

NEMAHA COUNTY

(Map Pl. 1)

The 1955 production from 3 fields: oil 26,979 barrels. No new wells were reported.

Developments during 1955.—The 1955 oil production in Nemaha County was less than that of 1954, when 37,570 barrels was reported.

Oil production in the Nemaha County fields is listed in Table 57. Locations of areas from which oil was produced are shown on Plate 1.

NEOSHO COUNTY

(Map Pl. 1)

The 1955 production: oil from 29 areas in 8 fields 634,699 barrels including approximately 474,592 barrels from secondary recovery projects; gas 232,773 thousand cubic feet. Wells drilled in 1955, (total estimated 376) recorded: oil 16, gas 4, dry field wells 16, dry wildcats 2, undesignated 45, total 83.

Developments during 1955.—Neosho County's oil production in 1955 was higher than in 1954 when 617,628 barrels was reported. Two shallow dry holes were reported on wildcat locations. The Wild No. 1 Chas. Worstler well in the SW¼ SW¼ sec. 4, T. 28 S., R. 20 E., was abandoned at 631 feet; the Wild No. 1 Ermer in the NE¼ NW¼ sec 9, T. 28 S., R. 20 E., was abandoned at 666 feet. Many new wells were drilled in the south part of T. 28 S., R. 20 E., and in the north part of T. 29 S., R. 20 E., near areas that have been designated **Erie** and **St. Paul-Walnut** fields. Actually the 2 fields have been joined for many years. It is estimated that approximately 376 wells were drilled in Neosho County in 1955. No deep tests were reported.

Data on secondary recovery operations in Neosho County are listed in Table 1. Oil production statistics are listed in Table 57; gas in Table 58. Locations of areas from which oil was produced in 1955 and of secondary recovery operations are shown on Plate 1.

NESS COUNTY

(Map Pl. 3)

The 1955 production from 7 fields: oil 354,688 barrels. Wells drilled in 1955: oil 17, dry 21, total 38 including 16 dry wildcats. Reworked wells: oil 1. Fields discovered 2.

Developments during 1955.—The increase in oil production this year of almost 35 percent was due entirely to the successful completion of 11 new Mississippian wells in the **Aldrich Northeast** field during the year. Recorded production from 14 wells in the **Aldrich Northeast** field during 1955 was 96,799 barrels of oil. There were 38 wells of all types drilled in the county during the year compared to only 11 during 1954.

Exploratory drilling was successful in finding 2 new oil fields in Ness County. The **Davenport** field was discovered by the Petroleum Management Company No. 1 Davenport well in sec. 36, T. 16 S., R. 21 W., which gauged 144 barrels of oil per day from the Cherokee rocks at a depth of 4,045 to 4,047 feet. The Ohio Oil Company No. 1 Vermilion was the discovery well of the **Vermilion**

field in sec. 6, T. 17 S., R. 24 W. An initial potential of 188 barrels of oil per day was assigned from Marmaton rocks at a depth of 4,385 to 4,396 feet. An offset well to the discovery well of the **Davenport** field, the Sunray Mid-Continent No. 1 McMamee in the same section had a maximum initial potential of 3,000 barrels of oil per day. Two wells drilled by the Ohio Oil Company offsetting their discovery well were abandoned as dry holes. Data on the new discovery wells are given in Table 6.

TABLE 40.—*Dry wildcat tests drilled in Ness County during 1955*

Company and farm	Location	Surface elevation, feet	Depth to top of Lans.-K.C., feet	Depth to top of Mississippian, feet	Total depth, feet
Atlantic Refg. Co. No. 1 Elmore	NE SW NW 7-16-21W	2,365	3,772	4,292	4,500
Welch & Olsson Oil Co., et al. No. 1 Turner	NW NW NE 12-16-23W	2,374	3,771	4,334	4,830
*Welch & Olsson Oil Co. No. 1 Miner	NE NE SE 22-16-24W	2,482	3,885	4,482	4,585
George F. Johnston, Jr. No. 1 Wildgen-Lewis	SW SE SE 31-16-25W	2,550	3,862	4,477	4,570
*Welch & Olsson Oil Co. No. 1 Horchem	SW SW NE 2-17-24W	2,516	3,896	4,493	4,595
*Purcell-Mull Drlg. Co., Inc. No. 1 Castor	SW SW NW 32-17-26W	2,577	.....	4,538	4,577
Welch & Olsson Oil Co., et al. No. 1 Jones	NE NE NE 28-18-21W	2,109	3,614	4,188	4,630
Trans-Era Petro., Inc. No. 1 Antenan	SW SW NW 9-18-23W	2,296	3,749	4,336	4,785
Leben Drlg. Co., et al. No. 1 Witrz	SW SW NE 5-18-24W	2,352	3,742	4,350	4,726
*Welch & Olsson Oil Co. No. 1 Schuler	NW NW SW 10-18-24W	2,332	3,752	4,372	4,472
Welch & Olsson Oil Co., et al. No. 1 Cranston	NW NW NE 28-18-24W	2,294	3,711	4,315	4,370
*Cooperative Refinery Ass'n. No. 1 Pember	NE SW NE 34-18-26W	2,464	3,784	4,415	4,430
Welch & Olsson Oil Co., et al. No. 1 Gross	SW SW NE 3-19-21W	2,206	3,710	4,268	4,364
*Badger Drillers, Inc., et al. No. 1 DeWald	NW NW NW 18-19-21W	.....	3,716	4,304	4,760
Lion Oil Co., et al. No. 1 Shauers	SW SW NE 20-19-24W	.....	3,750	4,354	4,850
Armer Drlg. Co., Inc. No. 1 Jones	NE NE SW 16-20-26W	2,554	3,929	4,561	5,140

* No electric or radioactivity logs available. Kansas Sample Log Service, Independent Oil & Gas Service, and other available data have been used.

Of the 17 rank wildcat tests, 9 reported shows of oil. The Arbuckle dolomite was reached by 8 of the tests before abandonment. The tops of important marker beds encountered in drilling these exploratory holes are given in Table 40

The locations of the rank wildcat tests and the oil fields of Ness County are shown on Plate 3. Oil production is tabulated by fields in Table 57.

NORTON COUNTY

(Map Pl. 3)

The 1955 production from 5 fields: oil 1,033,022 barrels. Wells drilled in 1955: oil 12, dry 30, salt-water disposal 2, total 44 including 22 dry wildcats.

Developments during 1955.—Oil production from Norton County increased to more than a million barrels during 1955, entirely because of the field development programs of the companies holding leases in the **Norton** field. Only 44 wells of all types were drilled during the year, compared to 124 during 1954. Exploratory drilling activity resulted in the completion of only 22 dry wildcat tests, compared to 33 drilled during 1954.

The recorded production for 1955 from 117 Arbuckle and Reagan wells in the **Norton** field was 964,990 barrels of oil. During 1955 there were 11 oil wells, 7 dry holes, and 2 salt-water disposal wells completed in the field. The **Norton** oil field, discovered in 1953, is reported on by Merriam and Goebel (1954).

The 22 dry wildcat tests are widely scattered over the county. The tops of the Lansing—Kansas City group and the Arbuckle

TABLE 41.—*Dry wildcat tests drilled in Norton County during 1955*

Company and farm	Location	Surface elevation, feet	Depth to top of Lans.-K.C., feet	Depth to top of Arbuckle, feet	Total depth, feet
*Jones, Shelburne & Farmer, Inc. No. 1 Howell	NW NW NW 9-1-22W	2,331	3,375	3,650	3,703
C-G Drlg. Co., et al. No. 1 Kindall	NE NE NE 31-1-22W	2,433	3,500	.....	3,783
*Jones, Shelburne & Farmer, Inc. No. 1 Browne	NE NE NE 32-1-23W	2,460	3,471	.....	3,738
Empire Drlg. Co. No. 1 Tansill	NW NE NE 26-1-24W	2,391	3,353	.....	3,624
*Jones, Shelburne & Farmer, Inc. No. 1 Brown	NE NE NW 36-1-24W	.....	3,362	.....	3,608

Jones, Shelburne & Farmer, Inc., et al. No. 1 Cox	NW NW SE 31-2-21W	.....	3,591	3,854	3,880
Cities Service Oil Co. No. 1 Heaton	SW SE SE 15-2-22W	2,232	3,345	3,605	3,667
Empire Drlg. Co. No. 1 Brooks	SE SE NW 19-2-22W	2,318	3,404	3,643	3,693
Empire Drlg. Co., et al. No. 1 Wallack	NW NW NE 9-2-23W	2,423	3,454	3,690	3,755
Jones, Shelburne & Farmer, Inc. No. 1 Sidman	SW SW NW 26-2-24W	2,436	3,442	.....	3,726
Jones, Shelburne & Farmer, Inc. No. 1 Hays	SW SW NE 15-3-21W	2,313	3,586	3,850	3,868
Jones, Shelburne & Farmer, Inc. No. 1 Reeser	NW NW SE 26-3-21W	2,320	3,589	3,860	3,895
Jones, Shelburne & Farmer, Inc. No. 1 Henderson	SE SE SW 3-3-23W	2,270	3,339	3,564	3,585
Jones, Shelburne & Farmer, Inc. No. 1 Campbell	NE NE NE 17-3-23W	2,319	3,379	.....	3,650
K&E Drlg. Inc., et al. No. 1 Horesky	NE NE SW 28-3-23W	2,460	3,540	.....	3,826
C-G Drlg. Co., et al. No. 1 Brunson	SE SE SE 32-3-24W	2,404	3,448	.....	3,842
D. G. Hansen No. 1 Tibbetts	NE NE NW 32-4-21W	2,130	3,347	3,586	3,645
Walters Drlg. Co., et al. No. 1 Rife	SW SW SE 1-4-23W	2,300	3,434	.....	3,733
*Walters Drlg. Co. No. 1 Patton	NE NE NW 30-5-21W	2,263	3,464	.....	3,762
Jones, Shelburne & Farmer, Inc. No. 1 Weogard	SW SW NW 12-5-22W	2,097	3,267	.....	3,552
Harry Gore, et al. No. 1 Leidig	SE SE SE 3-5-23W	2,240	3,430	3,780	3,865
*Sauvage & Dunn Drlg. Co., Inc., et al. No. 1 Barbo	NE NE NE 16-5-24W	.....	3,515	3,893	3,925

* No electric or radioactivity logs available. Kansas Sample Log Service, Independent Oil & Gas Service, and other available data have been used.

dolomite as reported by scouting and allied information are tabulated for the dry wildcat tests in Table 41. The Arbuckle dolomite was absent in many of the tests. In others, it was found to be very thin. Most of the wells penetrated the Precambrian granite before they were abandoned as noncommercial.

The locations of the dry wildcat tests and oil fields are shown on Plate 3. Oil production statistics are recorded in Table 57.

OSBORNE COUNTY

(Map Pl. 2)

The 1955 production from 1 field: oil 82,276 barrels. Wells drilled in 1955: total 5 (dry wildcats).

Developments during 1955.—Oil production from the county's only field, the **Ruggles**, was slightly less than that reported for 1954.

Five exploratory tests were drilled during the year, all in the four townships north of the **Ruggles** field. The surface elevations and tops of the Lansing—Kansas City group and Arbuckle dolomite reported from these tests are given in Table 42. No shows of oil or gas were reported.

The locations of the 5 rank wildcat tests and the **Ruggles** field are shown on Plate 2. Oil production is reported in Table 57.

TABLE 42.—*Dry wildcat tests drilled in Osborne County during 1955*

Company and farm	Location	Surface elevation, feet	Depth to top of Lans.-K.C., feet	Depth to top of Arbuckle, feet	Total depth, feet
Trans-Era Petro., Inc., et al. No. 1 Hackerott	SW SE SE 19-8-14W	1,808	3,068	3,889	3,911
Trans-Era Petro., Inc., et al. No. 1 Koelling	SE SW NE 35-8-15W	1,923	3,155	3,850	3,880
Trans-Era Petro., Inc., et al. No. 1 Beck	NW NW SE 12-9-15W	1,902	3,172	3,958	4,010
Trans-Era Petro., Inc., et al. No. 1 Finnesy	NE NE NE 15-9-15W	2,014	3,233	3,885	3,935
Trans-Era Petro., Inc., et al. No. 1 White	SE SE NW 27-9-15W	2,021	3,234	3,840	3,872

PAWNEE COUNTY

(Map Pl. 2)

The 1955 production from 35 fields: oil 2,378,797 barrels, gas 4,774,478 thousand cubic feet. Wells drilled in 1955: oil 157, gas 13, dry 79, total 249 including 33 dry wildcats. Reworked wells: oil 1, gas 1, dry 3, salt-water disposal 1. Fields discovered 7, combined 3.

Developments during 1955.—An increase of about 57 percent in the total oil production over that in 1954 is due almost entirely to the successful development program in the **Garfield** oil field. Production during 1954 from 43 wells in the field was 157,641 bar-

rels of oil, whereas recorded production during 1955 from 166 producing wells was 916,006 barrels.

Gas production was greater than that of the previous year by about 22 percent. Drilling activity resulted in the completion of 249 wells of all types, which is 96 more than were reported in the previous year.

An accelerated program of exploratory drilling resulted in the discovery of 7 new fields, and in 33 dry rank wildcat tests. The new fields are **Carpenter, Carpenter West, Garfield West, Jab East, Hearn North, Shady North,** and **Sweeney Southwest.** The **Carpenter** field discovery well reported oil production from the Pennsylvanian-Mississippian contact. The producing zone in the **Carpenter West** field is in the Cherokee group. **Garfield West** and **Jab East** produce from the Pennsylvanian basal conglomerate. The Simpson rocks are the producing zone in the new **Hearn North** gas field, and the Arbuckle dolomite in the **Shady North** gas field and the **Sweeney Southwest** oil field. The locations of the discovery wells, the thicknesses of the producing zones, and the initial potentials of the discovery wells in the new fields are given in Table 6.

Three new producing zones in old fields were discovered during the year. The Marmaton rocks constitute a new producing zone in the **Carpenter** field, the Lansing—Kansas City in the **Jay** field, and the Pennsylvanian basal conglomerate in the **Sweeney** field. Data on these developments are included in Table 7.

Three fields, **Jab, Jab East** (new in 1955), and **Garfield Northeast** were declared to be producing from a common reservoir with **Garfield** and by action of the Nomenclature Committee were combined with that field during 1955.

During the year 1 extension oil well and 4 dry holes were drilled in the **Benson** field, 127 oil wells, 3 gas wells, and 12 dry holes were completed in the **Garfield** field, 6 oil wells and 2 dry holes in the **Jay** field, 5 oil wells and 2 dry holes in the **Oro** field, 6 oil wells and 1 dry hole in the **Shiley East** field, and 3 oil wells, 6 gas wells, and 3 dry holes in the **Sweeney** field.

The tops of the Lansing—Kansas City group and of the Arbuckle dolomite encountered in drilling the 33 dry wildcat tests in Pawnee County this year are given in Table 43. Of the 33 holes, 12 reported shows of oil or gas. Although an initial potential of 11 barrels of oil per day was carried in the scouting information on the

Welch and Olsson Drilling Company No. 1 Meckfessel in sec. 16, T. 22 S., R. 18 W., the well upon further testing was found to be noncommercial and was abandoned.

Locations of the oil and gas fields and the rank wildcats are shown on Plate 2. Oil production statistics by fields are given in Table 57; corresponding data on gas production are given in Table 58.

TABLE 43.—*Dry wildcat tests drilled in Pawnee County during 1955*

Company and farm	Location	Surface elevation, feet	Depth to top of Lans.-K.C., feet	Depth to top of Arbuckle, feet	Total depth, feet
*Trans-Era Petro., Inc., et al No. 1 Zecha	SW SE NE 21-20-16W	2,086	3,528	3,837	3,887
*Jones, Shelburne & Farmer, Inc. No. 1 Gillespie	NW NW SE 7-20-18W	2,245	3,733	4,229	4,274
Cities Service Oil Co., et al. No. 1 Franz	SE SE SE 2-20-19W	2,208	3,673	4,189	4,260
Musgrove Petro. Corp. No. 1 Edwards	NE NE NE 20-20-19W	2,207	3,750	4,435**	4,503
Isern Drlg. Co., et al. No. 1 Carr	NE NE SW 1-20-20W	2,276	3,807	.....	4,378
*National Coop. Refg. Ass'n., et al. No. 1 Russell	NW NW NW 1-20-20W	2,266	3,755	4,600	4,639
Anschutz Drlg. Co., Inc. No. 1 Fischer	SE SE NE 23-21-15W	1,952	3,429	3,808	3,860
Honaker Drlg. Co. No. 1 Jordan	NE NE NE 19-21-17W	2,063	3,526	.....	4,043
Aylward Drlg. Co. No. 1 Weiden	NW NW NW 15-21-19W	2,118	3,738	4,476	4,530
*Welch & Olsson Oil Co., et al. No. 1 Proffitt	SE SE NW 25-21-19W	2,068	3,677	.....	4,355
D. R. Lauck Oil Co., Inc. No. 1 Lewis	NW NW NW 24-21-20W	2,095	3,666	4,606	4,665
Welch & Olsson Oil Co. No. 1 Everleigh	SE SE SW 25-21-20W	2,099	3,674	4,523	4,540
Trans-Era Petro., Inc., et al. No. 1 Rucker	NE NE NE 31-21-20W	2,124	3,736	4,699	4,761
K & E Drlg., Inc., et al. No. 1 Ackerman	NW NW SW 2-22-15W	1,974	3,506	3,947	4,001
D. R. Lauck Oil Co., Inc. No. 1 Barstow	SW SW NE 25-22-15W	1,983	3,560	4,050	4,107
Jones, Shelburne & Farmer, Inc. No. 1 Eikmeier	NW NW SE 18-22-17W	2,067	3,694	4,326	4,376
Welch & Olsson Oil Co. No. 1 Meckfessel	NE NE SE 8-22-18W	2,055	3,682	4,488	4,515

Welch & Olsson Oil Co. No. 1 Williams	SE SE NW 14-22-18W	2,050	3,684	4,402	4,427
Welch & Olsson Oil Co. No. 1 Meckfessel	NW NW NW 16-22-18W	2,058	3,680	4,510	4,540
Honaker Drlg. Co., et al. No. 1 McIlrath	NE NE NE 18-22-18W	2,066	3,730	.....	4,536
Welch & Olsson Oil Co., et al. No. 1 Vinson	SW SW NE 22-22-18W	2,072	3,740	4,553	4,575
San Diego Corp. No. 1 Obee	SE SE NW 28-22-18W	2,103	3,792	4,680	4,705
Solar Oil Co. No. 1 Harnish	NE NE NE 7-22-19W	2,112	3,745	4,622	4,670
Armer Drlg. Co., Inc. No. 1 Brack	SE SE NE 22-22-19W	2,113	3,789	4,705	4,758
Gabbert-Jones Drlg. Co. No. 1 Kufeld	NW NW SE 31-22-19W	2,217	3,928	4,881	4,909
Vickers Petro. Co., Inc. No. 1 College	SE SE NW 3-22-20W	2,161	3,807	4,734	4,768
*Alkay Oil Co. No. 1 Petro	NE NE SE 8-23-15W	2,017	3,629	4,148	4,176
*The El Dorado Refg. Co. No. 1 Esmiller	NE NW NW 17-23-15W	2,025	3,638	4,126	4,135
*Murfin Drlg. Co. No. 1 Schartz	SW SW NW 8-23-16W	.....	3,724	4,376	4,410
Sohio Petro. Co. No. 1 Aldrich	NE SE NW 32-23-17W	2,116	3,835	4,645	4,661
*Sterling Drlg. Co., et al. No. 1 Dahlquist	SW SW NE 11-23-18W	2,086	3,823	.....	4,408
J. J. Lynn Oil Division, et al. No. 1 McClaren	NW SW NW 26-23-18W	2,109	3,878	.....	4,432
Welch & Olsson Oil Co. No. 1 Bender	SW SW SW 35-23-18W	2,132	3,873	.....	.....

* No electric or radioactivity logs available. Kansas Sample Log Service, Independent Oil & Gas Service, and other available data sources have been used.

** Depth to top of the Viola, feet.

PHILLIPS COUNTY

(Map Pl. 2)

The 1955 production from 17 fields: oil 1,973,148 barrels. Wells drilled in 1955: oil 5, dry 6, total 11 including 3 dry wildcats.

Developments during 1955.—Oil production declined about 4 percent from that reported during 1954. Three fewer wells were drilled than in 1954 when 14 wells were reported; only 3 were rank wildcat tests.

One oil well and 1 dry hole were completed in the **Hansen** field, 2 oil wells in the **Huffstutter** field, 1 oil well and 1 dry hole

in the **Ray** field, 1 oil well in the **Stuttgart South** field, and 1 dry hole in the **Wolf Creek** field.

Three dry wildcat wells were drilled in the county during the year. The Jones, Shelburne & Farmer, Inc., No. 1 Adee in the NW¼ NW¼ SE¼ sec. 16, T. 3 S., R. 17 W., was drilled from a rotary bushing elevation of 1,908 feet above sea level to a total depth of 3,780 feet. Tops identified on the sample log were: Heebner shale, 3,139 feet; Lansing group, 3,180 feet; Pennsylvanian basal conglomerate, 3,574 feet; Viola limestone, 3,671 feet; Simpson group, 3,720 feet; and Arbuckle dolomite, 3,759 feet depth. A drill-stem test of the upper Lansing section yielded only mud. No shows or other tests were reported.

The No. 1 Noel in the SW¼ NW¼ NW¼ sec. 19, T. 4 S., R. 20 W., was drilled by the Anschutz Drilling Company, Inc. Measured from a rotary bushing elevation of 2,101 feet above sea level, the test penetrated the Lansing group at 3,342 feet, Pennsylvanian basal conglomerate at 3,635 feet, and Arbuckle dolomite at 3,656 feet depth. Only one drill-stem test was taken and no shows of oil or gas were reported. Total depth of the hole was 3,687 feet.

The third test, the Braden Drilling Company et al No. 1 Miller in the SW¼ SE¼ SW¼ sec. 8, T. 5 S., R. 20 W., was drilled from a rotary bushing elevation of 2,084 feet above sea level to a total depth of 3,600 feet. Tops identified on the electric log were: Heebner shale, 3,243 feet; Lansing group, 3,289 feet; and Arbuckle dolomite 3,534 feet depth. No shows were reported and a drill-stem test of the Arbuckle dolomite was unsuccessful in recovering oil or gas.

The locations of the dry wildcats and of the oil fields in Phillips County are shown on Plate 2. Oil production by fields is given in Table 57.

POTTAWATOMIE COUNTY

(Map Pl. 1)

Neither oil nor gas has been produced in Pottawatomie County. Test wells have been drilled from time to time.

Exploration during 1955.—One dry wildcat well, the Morrison Drilling Company No. 1 Ault in the SE¼ SE¼ SE¼ sec. 5, T. 9 S.,

R. 11 E., was abandoned in April at a total depth of 2,980 feet. Drilled from an elevation of 1,077 feet above sea level, the well encountered the following tops: Lansing group, 1,035 feet; Kansas City group, 1,157 feet; Pleasanton group, 1,364 feet; Cherokee group, 1,540 feet; Mississippian limestone, 1,948 feet; Kinderhookian rocks, 2,010 feet; Devonian rocks, 2,225 feet; Maquoketa shale, 2,689 feet; Viola limestone, 2,745 feet; Simpson group, 2,888 feet; Arbuckle rocks, 2,966 feet; "granite wash", 2,974 feet; and Precambrian granite, 2,977 feet depth.

The Geological Survey has records of 34 wells drilled in Pottawatomie County in previous years (Jewett, 1954, p. 329, Table 60). The latest previous test drilling recorded was in 1951 when 8 holes were put down.

The location of the 1955 test well is shown on Plate 1.

PRATT COUNTY

(Map Pl. 2)

The 1955 production from 37 fields: oil including production from 1 secondary recovery project 2,850,380 barrels, gas 1,325,043 thousand cubic feet. Wells drilled in 1955: oil 35, gas 3, dry 41, total 79 including 13 dry wildcats. Reworked wells: oil 11, dry 1, salt-water disposal 2. Fields discovered 4, combined 1.

Developments during 1955.—Oil production from Pratt County was slightly less than that reported for 1954. Gas production was somewhat greater than last year. Well completions decreased from 96 in 1954 to 79 in 1955.

Even with the reduction in the drilling activity in Pratt County, 2 new oil fields and 2 new gas fields were discovered. The Pennsylvanian basal conglomerate was found to contain commercial quantities of gas in the Armer Drilling Company, Inc., et al No. 1 Robbins well, the discovery well of the **Carver-Robbins** field in sec. 21, T. 27 S., R. 15 W. The discovery well of the **Coats West** Lansing—Kansas City gas field was drilled by Lario Oil and Gas Company as their No. 1 Chastian well in sec. 24, T. 29 S., R. 14 W. Orville Parker completed the discovery well of the **Earl North** Simpson field on the Beard lease in sec. 36, T. 28 S., R. 14 W. The **Randle** Lansing—Kansas City oil field was named from the Skelly Oil Company No. 1 Randle well in sec. 5, T. 26 S., R.

14 W. Initial potentials and thicknesses of the productive zones of the discovery well of these 4 new fields are given in Table 6.

The Lansing—Kansas City was established as a new producing zone in an old field in the **Earl** and **Fitzsimmons South** fields. The Simpson rocks were designated as a new producing zone in the old **Chance East** field. The Arbuckle dolomite was also a new productive zone in the **Chance East** field. The Marmaton rocks were found to be a new zone in the old **Chance** field. Data on these developments are given in Table 7.

Before the end of the year, the **Chitwood Northeast** field, discovered in 1950, was combined with the **Cunningham** field, which

TABLE 44.—*Dry wildcat tests drilled in Pratt County during 1955*

Company and farm	Location	Depth to top of Lans.-K.C., feet	Depth to top of Viola, feet	Depth to top of Simpson, feet	Depth to top of Arbuckle, feet	Total depth, feet
Oil Capital No. 1 Eyers	SW NE SW 28-26-11W	3,625	4,262	4,351	4,443	4,483
Coppinger Drlg. Co., Inc. No. 1 Snyder	NE NW SE 4-26-12W	3,635	4,118	4,180	4,288	4,307
*Transit Corp., et al. No. 1 Parker	NE NE SW 17-26-13W	3,813	4,382	4,430	4,516	4,549
*McNab Drlg. Inc. No. 1 Clark	SE SE NW 17-26-14W	3,851	4,358	4,482	4,552	4,587
Anschutz Drlg. Co., Inc. No. 1 Leming	S2 NE NE 3-26-15W	3,855	4,431	4,558	4,616	4,645
*Lario Oil & Gas Co. No. 1 Eubank	SW SE NW 11-27-14W	3,888	4,424	4,526	4,618	4,643
Anschutz Drlg. Co., Inc. No. 1 Jones	SW SW SW 13-27-15W	3,976	4,517	4,642	4,729	4,785
Trans-Era Petro., Inc., et al. No. 1 Rose	NW NW NE 27-28-11W	3,668	4,327	4,430	4,543	4,595
Cities Service Oil Co., et al. No. 1 Tipton	SE SE SW 29-28-11W	3,702	4,374	4,468	4,584	4,619
National Gas & Oil Co. No. 1 Armitstead	SE SE SW 31-28-11W	3,740	4,390	4,486	4,578	4,628
Lion Oil Co. No. 1 Barnhart	NW SE SW 22-29-13W	4,440**	4,487	4,608	4,713	4,765
Time Petro. Co. No. 1 Osborne	SW SW NE 36-29-13W	3,915	4,498	4,621	4,720	4,745
Lewis Drlg. Co. No. 1 Eads	NE NE NW 3-29-14W	3,999	4,485	4,588	4,666	4,716

* No electric or radioacticity logs available. Kansas Sample Log Service, Independent Oil & Gas Service, and other available data sources have been used.

** Depth to top of the "Kinderhook", feet.

crosses the line between Pratt and Kingman Counties. The one secondary recovery project, which is operated by the Skelly Oil Company in the **Cunningham** field, is reported in Table 1.

Field development programs resulted in the completion of 4 oil wells in the **Chance East** field, 5 oil wells and 1 dry hole in the **Fitzsimmons South** field, 4 oil wells and 4 dry holes in the **Frisbie** field, and 17 oil wells and 5 dry holes in the **Iuka-Carmi** field. There were 9 old wells reworked in the **Iuka-Carmi** field during 1955; 7 were recompleted as oil wells and 2 as salt-water disposal wells.

Of the 13 rank wildcat tests drilled in the county during the year, 10 reported shows of oil or gas. The depths to tops of important marker beds encountered in drilling these exploratory tests are given in Table 44.

The locations of the rank wildcat tests and of the oil and gas fields of Pratt County are shown on Plate 2. Oil production by fields is given in Table 57, and Table 58 contains similar data for gas production.

RAWLINS COUNTY
(Map Pl. 3)

Wildcat wells have been drilled from time to time in Rawlins County, but as yet no oil or gas field has been found.

Exploration during 1955.—Two dry wildcat tests were drilled in the county during the year. The Stearns Petroleum, Inc., et al No. 1 Samson in the NE¼ NW¼ NW¼ sec. 10, T. 3 S., R. 34 W., was drilled from a rotary bushing elevation of 2,958 feet above sea level to a total depth of 4,670 feet. Tops recognized on the electric log were: Heebner shale, 4,014 feet; Lansing group, 4,074 feet; and Mississippian rocks, 4,534 feet depth. Viola limestone was reported on the sample log at 4,648 feet depth. No shows of oil or gas were reported.

Trans-Era Petroleum, Inc., et al drilled the No. 1 Vrbas in the NW¼ NW¼ NW¼ sec. 20, T. 4 S., R. 32 W., from a rotary bushing elevation of 3,044 feet above sea level. Heebner shale was reached at 3,953 feet, Lansing group at 4,000 feet, Mississippian strata at 4,536 feet, and Viola limestone was reported on the sample log at 4,680 feet depth. Total depth was 4,733 feet. One

drill-stem test, at a depth of 4,027 to 4,040 feet, failed to show any oil or gas.

Locations of the new wildcat tests are shown on Plate 3.

RENO COUNTY

(Map Pl. 2)

The 1955 production from 21 fields: oil 1,133,835 barrels, gas 453,814 thousand cubic feet. Wells drilled in 1955: oil 13, dry 36, salt-water disposal 1, total 50 including 27 dry wildcats. Reworked wells: oil 1. Fields discovered 3. Secondary recovery projects 2.

Developments during 1955.—Oil production from Reno County was about 19 percent less than that reported for 1954, owing partly to the fact that Reno County lost credit for some of the production form the **Zenith-Peace Creek** field. Several companies operating within the field unitized production across the Reno—Stafford County line, making it impossible to separate the production on a county basis. Production from the field is reported under Stafford County. Gas production from the county was slightly more than that reported for the previous year. Drilling activity resulted in the completion of 50 wells of all types compared to 37 in 1954.

Three new oil fields in Reno County were named during 1955, the **Beck, Castleton,** and **Hilger Southwest** fields. F. Kirk Johnson discovered the **Beck** field with the No. 1 Beck well in sec. 24, T. 23 S., R. 9 W. An initial potential of 20 barrels of oil per day was assigned from Pennsylvanian basal conglomerate at a depth of 3,711 to 3,715 feet. The **Castleton** field was discovered by the Globe Oil and Refining Company No. 1 Hornbaker in sec. 29, T.

TABLE 45.—*Dry wildcat tests drilled in Reno County during 1955*

Company and farm	Location	Surface elevation, feet	Depth to top of Lans.-K.C., feet	Depth to top of Mississippian, feet	Depth to top of Arbuckle, feet	Total depth, feet
*Earl F. Wakefield No. 1 Rowland	SE SE NW 24-22-6W	1,615	2,903	3,535	4,040**	4,074
*Time Petro. Co. No. 1 Schmucker	SW NE SE 8-22-9W	1,730	3,098	3,637†	3,769	3,776
Manhart, Millison & Beebe No. 1 Proffitt	SW SW SE 17-22-9W	1,741	3,142	3,685†	3,808	3,825
*Dudley & Heath No. 1 Creighton	SE NW SE 13-22-10W	1,748	3,134	3,636**	3,706	3,756
Braden Drlg. Co. No. 2 Russell	N2 N2 NW 30-23-7W	1,601	3,080	3,629	4,072	4,082

Manhart, Millison & Beebe No. 1 Steinbach	NE NE NW 11-23-9W	1,721	3,193	3,792†	3,892	3,900
Manhart, Millison & Beebe No. 1 Snay	SE SE SE 18-23-9W	1,750	3,248	3,625	3,965	3,992
*Geo. B. Siegrist No. 1 Welty	NE NW NE 28-23-6W	1,566	2,980	3,616	4,067	4,150
Stearns Petro., Inc. No. 1 Yoder	SW SE NW 23-24-5W	1,508	2,682	3,380	3,920	3,950
T&M Oil Co. No. 1 Haines	NW NW NW 10-24-6W	1,559	2,969	3,632	4,149	4,171
Rex & Morris Drlg. Co., et al. No. 1 E. Miller	NW NW SW 21-24-7W	1,600	3,125	3,827	4,205	4,238
Trans-Era Petro., Inc. No. 1 Waglor	NE NE SE 3-24-9W	1,710	3,305	3,777	4,190	4,225
*Trans-Era Petro., Inc., et al. No. 1 Voth	SE SE SE 10-24-9W	1,680	3,292	3,767	.....	3,842
Manhart, Millison & Beebe No. 1 Hinshaw	NW NW SW 17-24-9W	.....	3,266	3,731	4,140	4,160
Schermerhorn Oil Corp. No. 1 Miller	SW SW SE 12-24-10W	1,710	3,326	3,779	4,156	4,180
Kenwood Oil Co. No. 1 Kinast	NE NE NW 4-25-4W	1,464	2,670	3,410	3,984	4,035
*Orville H. Parker No. 1 Romig	N2 NW NE 11-25-4W	.....	2,718	3,481	4,062	4,074
Fleming & Woodman Drlg. Co. No. 1 Valdois	SE SE NW 19-25-4W	1,526	2,795	3,535	4,093	4,128
Aurora Gasoline Co. No. 1 Tonn	NW NW NW 21-25-4W	1,506	2,778	3,554	4,099	4,130
Rupp-Ferguson Oil Co. No. 1 Elward Est.	NE NE NE 15-25-6W	1,507	2,870	3,529	4,072	4,118
Petroleum, Inc. No. 1 Binford	SW SE SE 22-25-6W	1,456	2,850	3,512	4,052	4,090
Stearns Petro., Inc. No. 1 Burling	SE SE SW 3-25-7W	1,586	3,145	3,772	4,245	4,300
Midstates Oil Corp. No. 1 Westfahl	SE SE SE 16-25-8W	1,631	3,277	3,821	4,253	4,308
*Time Petro. Co. No. 1 Nixon	SW SW SE 7-25-9W	1,722	3,403	3,882	4,233**	4,311
Braden Drlg. Co. No. 1 Cole	SW SW SW 9-26-8W	1,626	3,284	3,887	4,344	4,401
Sohio Petro. Co. No. 1 Wells	SE NW NW 18-26-9W	1,664	3,428	3,887	4,366	4,418
*Murfin Drlg. Co. No. 1 Foster	SW SW NE 32-26-9W	1,730	3,412	3,943	4,385	4,406

* No electric or radioactivity logs available. Kansas Sample Log Service, Independent Oil & Gas Service, and other available data sources have been used.

** Depth to top of Simpson, feet.

† Depth to top of Viola, feet.

25 S., R. 6 W. The Misener sandstone was the producing zone and the initial potential test reported 141 barrels of oil per day at a depth of 3,992 to 3,998 feet. The **Hilger Southwest** field was found by the Fleming and Woodman Drilling Company et al No. 1 Geubell well in sec. 29, T. 26 S., R. 4 W., which was completed as a Viola limestone producer having an initial potential of 232 barrels of oil per day from a depth of 4,012 to 4,016 feet. These developments are reported in Table 6.

Before the end of the year a second producing zone, the Misener sandstone, was discovered in the new **Hilger Southwest** field. Fleming and Woodman Drilling Company completed their No. 1 Hilger well, in sec. 30, T. 26 S., R. 4 W., in the new zone for 27 barrels of oil per day at a depth of 3,955 to 3,957 feet. The discovery well is included in Table 7.

In addition to the discovery wells of new fields, field development drilling programs resulted in 1 dry hole in the **Beck** field, 2 dry holes in the **Buhler** field, 1 oil well, 2 dry holes, and 1 salt-water disposal well in the **Burrton** field, 5 oil wells in the **Hilger Southwest** field, 1 oil well and 2 dry holes in the **Nicklaus** field, and 3 oil wells in the **Sterling** field.

The rank wildcat tests were scattered throughout the county. Of the 27 holes, 12 reported shows of oil or gas. Pertinent marker beds encountered in drilling these tests are given in Table 45.

Data on Reno County secondary recovery projects are given in Table 1. The locations of the dry wildcat tests and oil and gas fields are given on Plate 2. Oil production statistics are given in Table 57, and similar data on gas are given in Table 58.

RICE COUNTY

(Map Pl. 2)

The 1955 production from 59 fields: oil 6,802,665 barrels including production from secondary recovery projects, gas 659,132 thousand cubic feet. Wells drilled in 1955: oil 75, gas 2, dry 53, salt-water disposal 1, total 131 including 8 dry wildcats. Reworked wells: oil 16, dry 4. Fields discovered 4, abandoned 1.

Developments during 1955.—Oil production from Rice County was about 11 percent less than that reported for 1954, gas production declined slightly from the previous year, and 30 fewer wells were drilled during 1955 than during 1954 when the total was 161. Rice County exchanged places with Rooks County, drop-

ping from fifth to sixth, in the tabulation of counties producing the largest amounts of oil.

Exploratory drilling resulted in discovery of 4 new fields in the county. The **Crawford Northwest** field was brought in by the E. H. Riggs et al No. 1 Newkirk in sec. 1, T. 18 S., R. 7 W. The Pennsylvanian basal conglomerate at a depth of 3,207 to 3,210 feet had an assigned initial potential of 13 barrels of oil per day. The **Dymond** field was named for the discovery well, the Dozier Oil Company No. 1 Dymond well in sec. 18, T. 21 S., R. 7 W. An initial potential of 60 barrels of oil per day was gaged, from the Mississippian strata at a depth of 3,392 to 3,402 feet. H. L. Herbel is credited with the discovery well of the **Guldner** field, in sec. 17, T. 18 S., R. 9 W. The No. 1 Guldner well had an initial potential of 30 barrels of oil per day, from the Arbuckle dolomite at a depth of 3,250 to 3,262 feet. The **Lyons Southwest** field was discovered by the Brinrich Drilling Company No. 1 Tobias well in sec. 22, T. 20 S., R. 8 W. The Pennsylvanian basal conglomerate had an initial potential of 2,600,000 cubic feet of gas per day from a depth of 3,251 to 3,262 feet. Data on the discovery wells of these new fields are given in Table 6.

The Pennsylvanian basal conglomerate at a depth of 3,412 to 3,418 feet was a new producing zone in the old **Windom** field; Petroleum Management Company completed their No. 1 Swanson well in sec. 24, T. 19 S., R. 6 W. Data on this development are given in Table 7.

Drilling programs in old fields resulted in the completion of 10 oil wells and 7 dry holes in the **Chase-Silica** field, 4 oil wells and 2 dry holes in the **Crawford** field, 4 oil wells in the **Frederick** field, 8 oil wells and 6 dry holes, (also 12 old wells recompleted as oil wells) in the **Geneseo-Edwards** field, 27 oil wells and 5 dry holes in the **Welch-Bornholdt** field, and 5 oil wells and 5 dry holes in the **Wherry** field.

Of the 8 rank wildcat tests drilled during 1955 in Rice County, only 1 reported any shows. The tops of important marker beds encountered in drilling are tabulated in Table 46.

Data on Rice County's secondary recovery project are given in Table 1. The locations of the rank wildcats and the oil and gas fields are shown on Plate 2. Oil production statistics are given in Table 57, gas in Table 58.

TABLE 46.—*Dry wildcat tests drilled in Rice County during 1955*

Company and farm	Location	Surface elevation, feet	Depth to top of Lans.-K.C., feet	Depth to top of Penn. basal cong., feet	Depth to top of Arbuckle, feet	Total depth, feet
*Trans-Era Petro., Inc No. 1 Akers	NE NE NW 12-18-6W	1,685	2,848	3,415	3,470**	3,625
*K & E Drlg., Inc., et al. No. 1 Coldsnow	NE NE NE 26-18-7W	1,675	2,755	3,167	.....	3,288
The El Dorado Refg. Co. No. 1 Wohlford	NW NW SW 31-18-8W	1,740	2,902	3,242	3,417	3,465
*E. H. Adair Oil Co., et al. No. 1 Brisben	SW SW SW 1-19-6W	1,653	2,871	3,446	3,520**	3,570
*Nadel & Gussman No. 1 Rife	SW SW SE 23-19-7W	1,720	2,883	3,295	3,695	3,730
*Graham-Messman-Rinehart Oil Co. No. 1 Koch "A"	SW SW NW 35-20-9W	1,689	2,930	3,265	3,410	3,435
*Shelley-Miller Drlg., Inc. No. 1 McGonigle	NE NE SW 27-21-6W	1,692	2,971	3,571	3,594**	3,625
*Jones, Shelburne & Farmer, Inc., et al No. 1 Altland	NW NW SE 17-21-8W	1,652	2,942	3,255	3,641	3,649

* No electric or radioactivity logs available. Kansas Sample Log Service, Independent Oil & Gas Service, and other available data sources have been used.

** Depth to top of the Mississippian, feet.

ROOKS COUNTY

(Map Pl. 2)

The 1955 production from 90 fields: oil 7,112,975 barrels. Wells drilled in 1955: oil 108, dry 91, total 199 including 9 dry wildcats. Reworked wells: oil 9, dry 2, salt-water disposal 1. Fields discovered 4, revived 1, combined 6, abandoned 1.

Developments during 1955.—Rooks County moved ahead of Rice County, from sixth to fifth place, among the leading oil producing counties in the state, but at the same time oil production was about 1 percent less than that reported from the county during 1954. Well completions dropped from 244 during 1954 to 199 during 1955.

Four new oil fields were discovered in the county during the year and 1 was revived. The new fields are the **Amboy Southwest, Carmichael, Flagler,** and **Nettie Southeast.** The **Amboy Southwest** field discovery well was drilled by Jones, Shelburne and Farmer, Inc., on the Sutor "D" lease in sec. 17, T. 10 S., R. 20 W. An initial potential of 6 barrels of oil per day was assigned, from the Arbuckle dolomite in this well at a depth of 3,811 to 3,815 feet. Pe-

troleum, Inc., No. 1 Carmichael-Moser in sec. 33, T. 8 S., R. 18 W., was the discovery well of the **Carmichael** field. The Lansing—Kansas City strata had an initial potential of 474 barrels of oil per day from two zones at depths of 3,210 to 3,218 and 3,259 to 3,263 feet. The Lee Phillips Oil Company No. 1 Flagler well in sec. 15, T. 10 S., R. 18 W., brought in the new **Flagler** field; the Lansing—Kansas City rocks at a depth of 3,445 to 3,451 feet had a potential of 98 barrels of oil per day. Murfin Drilling Company completed the discovery well of the **Nettie Southeast** field, the No. 1 Loreg, in sec. 2, T. 10 S., R. 17 W. The initial potential was 137 barrels of oil per day from the Lansing—Kansas City rocks at a depth of 3,268 to 3,271 feet. The **Faubion** field, discovered in 1936, was revived in 1955 by the completion of the Harold Krueger et al No. 1 Faubion well, in sec. 12, T. 6 S., R. 18 W. Additional data on this development and on the discovery wells of the new fields are given in Table 6.

New producing zones in old fields include the Toronto limestone in **Williams**, the Lansing—Kansas City group in the **Allphin**

TABLE 47.—*Dry wildcat tests drilled in Rooks County during 1955*

Company and farm	Location	Surface elevation, feet	Depth to top of Lans.-K.C., feet	Depth to top of Arbuckle, feet	Total depth, feet
National Assoc. Petro. Co. No. 1 Probst	SW SW SE 18-6-19W	2,168	3,390	3,650**	3,657
Empire Drlg. Co., et al. No. 1 Sammons	NW NW NW 15-7-20W	2,058	3,282	3,528	3,539
*Cyclone Drlg. Co. No. 1 Dechant "A"	SE SE SE 31-9-16W	2,052	3,238	3,650	3,672
Murfin Drlg. Co. No. 1 Baldwin	SW SW SW 2-9-20W	2,103	3,343	3,618	3,640
Osage Oil & Gas, Inc. No. 1 Lambert	SE SE SW 12-9-20W	2,085	3,323	3,613	3,644
Leben Drlg. Co., et al. No. 1 Nelson	SE SE NE 28-10-16W	2,093	3,294	3,669	3,700
Aurora Gasoline Co., et al. No. 1 Lamb	SW NW SW 11-10-17W	2,039	3,205	3,515	3,565
Coppinger Drlg. Inc. No. 1 Bice	NW SW NE 22-10-17W	2,077	3,294	3,696	3,702
K & E Drlg., Inc. No. 1 Henn	SW SW NE 28-10-18W	2,083	3,324	3,703	3,725

* No electric or radioactivity logs available. Kansas Sample Log Service, Independent Oil & Gas Service, and other available data have been used.

** Depth to top of the Precambrian, feet.

Northwest, Barry Southeast, Lone Star, and **Zurich Townsite** fields, and the Arbuckle dolomite in the **Dopita Southeast** field. Before the end of the year, the **Dopita Southeast** field was combined with the **Dopita** field. Data on the discovery wells of these new producing zones are given in Table 7.

Also before the end of the year, the following field consolidations were effective: **McHale South** with the **McHale** field, **Chandler West** with the **Jelinek** field, **Amboy** with the **Palco Southeast** field, **Northampton Southeast** with the **Marcotte** field, and **Elm Creek** with the **Dopita** field. The **Berland East** (Arbuckle) field, discovered in 1953, was abandoned in 1955. Cumulative production from the field was 1,633 barrels of oil.

Field development programs resulted in the completion of 19 oil wells and 10 dry holes in the **Allphin** field, 15 oil wells and 3 dry holes in the **Dopita** field, 8 oil wells and 5 dry holes in the **Jelinek** field, 23 oil wells and 12 dry holes in the **Marcotte** field, and 6 oil wells and 2 dry holes in the **Northampton** field.

Of the 9 rank wildcat test holes, 3 reported shows of oil. Selected marker beds encountered in drilling these tests are tabulated in Table 47.

The locations of the rank wildcat tests and the oil fields of Rooks County are shown on Plate 2. Oil production statistics are given in Table 57.

RUSH COUNTY

(Map Pl. 2)

The 1955 production from 12 fields: oil 401,615 barrels, gas 2,694,780 thousand cubic feet. Wells drilled in 1955: oil 17, gas 1, dry 37, salt-water disposal 1, total 56 including 21 dry wildcats. Reworked wells: dry 1. Fields discovered 2, abandoned 1.

Developments during 1955.—Oil production from Rush County increased by about 34 percent over the production reported for 1954, mostly because of the successful development program of the **Webs** (Pennsylvanian basal conglomerate) oil field. Gas production showed an appreciable gain over 1954, and there were 56 well completions of all types compared with 40 the previous year.

The two new fields discovered were **Rothe** and **Webs Northwest.** The Morrison Drilling Company, Inc., completed the No. 1

TABLE 48.—*Dry wildcat tests drilled in Rush County during 1955*

Company and farm	Location	Surface elevation, feet	Depth to top of Anhydrite, feet	Depth to top of Lans.-K.C., feet	Depth to top of Arbuckle, feet	Total depth, feet
Shelley-Miller Drlg., Inc. No. 1 Maier	NE NE SE 24-16-16W	1,927	1,017	3,221	3,534	3,560
*Tennessee Gas Trans. Co. No. 1 Brack	NW SW NW 14-17-16W	2,013	1,104	3,305	3,588	3,715
Brunson Drlg. Co., Inc. No. 1 Schriner	SW SW SE 18-17-16W	2,034	1,128	3,310	.....	3,591
Buick Drlg., Inc. No. 1 Brack	NW NW NW 24-17-16W	2,044	1,120	3,359	3,604	3,660
*Carl Lebsack Oil Prod. Co. No. 1 Juno	NE NW NW 35-17-16W	2,022	1,105	3,355	3,635	3,667
*Morrison Drlg. Co., Inc. No. 1 Renner	NE SE SW 31-17-18W	2,109	1,276	3,505	3,870**	3,956
*Anschutz Drlg. Co., Inc. No. 1 Rogers	N2 NE SE 12-17-20W	.....	1,345	3,520	3,908**	3,933
Fleming & Woodman Drlg. Co., et al. No. 1 Kottal	NW NW SW 31-18-17W	2,007	1,120	3,392	3,770	3,784
Champlin Refg. Co. No. 1 T. T. House	SW SW SW 34-18-18W	2,106	1,232	3,512	3,918	3,976
*George F. Johnston, Jr. et al. No. 1 Oliverus	SE SE NW 36-18-18W	2,046	1,154	3,432	3,810	3,855
Trans-Era Petro., Inc., et al No. 1 Gisick	SE SE NW 12-18-19W	2,104	1,268	3,516	3,943	3,975
Sunray Oil Corp., et al. No. 1 Irvin	NE NE SW 5-18-20W	2,117	1,365	36,09	4,396	4,480
Petroleum, Inc. No. 1 Jones	NW NW NW 17-18-20W	2,135	1,390	3,664	4,535	4,605
*Shields Oil Producers No. 1 Godfrey	SE NW NE 25-18-20W	.....	1,293	3,540	.....	4,059
Bennett & Roberts Drlg. Co. No. 1 Fitzler	SW SW SE 26-18-20W	2,125	1,360	3,652	4,330	4,376
Badger Drillers, Inc., et al. No. 1 Herring	SE SE SW 31-18-20W	2,145	1,400	3,178	4,702	4,720
Barnett Drlg., Inc. No. 1 Webs	NE NE NW 32-18-20W	2147	1,390	3,695	.....	4,445
*Harms-Burt Drlg. Co. No. 1 Horst	NW NW SW 1-19-16W	.....	1,078	3,380	.....	3,702
Leben Drlg. Co. No. 1 Thadheim	SE SE SW 10-19-19W	2,181	1,345	3,645	4,124	4,222
*Jones, Shelburne & Farmer, Inc. No. 1 Cone	SW SW SW 36-19-19W	.....	.....	3,691	4,208	4,247
National Coop. Refg. Assn., et al. No. 1 Carr	SE SE NE 35-19-20W	2,249	1,410	3,786	4,659	4,694

* No electric or radioactivity logs available. Kansas Sample Log Service, Independent Oil & Gas Service, and other available data have been used.
** Depth to top of the Pennsylvania basal conglomerate, feet.

Rothe well in sec. 31, T. 17 S., R. 16 W., in January. Initial potential was 4,000,000 cubic feet of gas per day, from the Lansing—Kansas City rocks at a depth of 3,446 to 3,452 feet. The **Webs Northwest** field was opened by the completion of the Republic Natural Gas Company No. 1 Sehl well in sec. 8, T. 19 S., R. 20 W., in December. The Pennsylvanian basal conglomerate had an initial potential of 36 barrels of oil per day at a depth of 4,240 to 4,242 feet. The discovery wells of these new fields are listed in Table 6.

The **Hungry Hollow** field, discovered in 1951, was officially abandoned in 1955. A cumulative production of 2,429 barrels of oil had been reported, from the Lansing—Kansas City rocks.

In the **Otis-Albert** field 8 oil wells and 5 dry holes were completed during 1955. Production from the field for 1955 was about 38,000 barrels more than that reported during the previous year. Field development programs resulted in the completion of 2 oil wells and 5 dry holes in the **Rush Center Northeast** field, and 6 oil wells and 1 dry hole in the **Webs** field. The 7 producing wells in the **Webs** field had a reported production for 1955 of 60,896 barrels of oil.

Only 3 of the widely scattered rank wildcat tests drilled in the county during the year reported shows of oil. Tops of the important marker beds encountered in drilling these exploratory tests are listed in Table 48.

The locations of these rank wildcat tests and of the oil and gas fields are shown on Plate 2. Oil production statistics are given in Table 57, and corresponding data on gas are given in Table 58.

RUSSELL COUNTY

(Map Pl. 2)

The 1955 production from 33 fields: oil 10,772,297 barrels including production from secondary recovery projects, gas 23,073 thousand cubic feet. Wells drilled in 1955: oil 84, gas 1, dry 58, salt-water disposal 8, total 151 including 12 dry wildcats. Reworked wells: oil 16, dry 4, salt-water disposal 4.

Developments during 1955.—A decrease of almost 4 percent in oil production from Russell County resulted in the demotion of the county from second to third rank among leading oil-producing counties in Kansas. Ellis county (11,165,885 barrels of oil production) moved ahead of Russell county this year. Even with this

decrease in production Russell County accounted for almost 9 percent of all the oil produced in the state. Drilling activity resulted in completion of 151 wells of all types, compared to 220 in 1954.

Development programs in Russell County's oil fields resulted in the addition of 1 dry hole in **Atherton North,** 1 oil well in **Claussen,** 2 oil wells in **Cook,** 1 oil well and 1 dry hole in **Davidson,** 1 dry hole in **Dillner Northwest,** 1 dry hole in **Eulert,** 1 dry hole in **Eulert West,** 10 oil wells, 1 dry hole, and 1 salt-water disposal well in **Fairport,** 10 oil wells, 9 dry holes, and 2 salt-water disposal wells in **Gorham,** 26 oil wells, 13 dry holes, and 1 gas well in **Hall-Gurney,** 2 oil wells and 5 dry holes in **Heim,** 3 oil wells and 1 dry hole in **Janne,** 1 dry hole in **Meier,** 1 dry hole in

TABLE 49.—*Dry wildcat tests drilled in Russell County during 1955*

Company and farm	Location	Surface elevation, feet	Depth to top of Lans.-K.C., feet	Depth to top of Arbuckle, feet	Total depth, feet
*Jones, Shelburne & Farmer, Inc. No. 1 Heine	NE SE SE 33-12-11W	1,714	2,915	3,716	3,730
*Shields Oil Producers No. 1 Heard	NE SW SE 16-12-14W	1,818	3,004	.....	3,320
Anschutz Drlg. Co., Inc. No. 1 Steinert "A"	NE NW SE 22-12-15W	.....	2,996	3,271	3,306
*Shelley-Miller Drlg., Inc. No. 1 Ross	NW NW SW 25-12-15W	1,806	2,984	3,294	3,301
*Ike Addis, et al. No. 1 Hume	NE NE NE 7-13-12W	1,775	2,985	.....	3,110
*Ike Addis, et al. No. 1 Krause	SW SE SE 18-13-12W	1,729	2,909	3,375	3,395
*Fred J. Haynes No. 1 Haynes	SE SW NE 21-13-13W	1,706	2,895	3,185**	3,245
*Veeder Supply & Dev. Co., et al. No. 1 Foster	SW SW SE 5-13-14W	1,804	2,979	3,262	3,266
*Thunderbird Drlg., Inc. No. 1 Anspaugh	SW SE SE 11-13-15W	1,842	3,025	3,297**	3,334
*A. F. Schmidt No. 1 Mermis	NE SE SE 20-13-15W	1,895	3,070	3,325	3,360
*Shelley-Miller Drlg., Inc. No. 1 Schuber	SW SW NE 36-14-12W	1,652	2,798	3,126	3,137
*Natl. Gas & Oil Corp. No. 1 Malir	SW SW SW 12-15-11W	1,820	2,969	3,354	3,385

* No electric or radioactivity logs available. Kansas Sample Log Service, Independent Oil & Gas Service, and other available data have been used.

** Depth to top of the Pennsylvanian basal conglomerate, feet.

Nuss, 10 oil wells, 3 dry holes, and 3 salt-water disposal wells in **Russell,** and 19 oil wells, 7 dry holes, and 2 salt-water disposal wells in **Trapp**.

Reworking of old wells resulted in the completion of 2 oil wells in the **Dubuque** field, 1 oil well in the **Gorham** field, 6 oil wells in the **Hall-Gurney** field and 7 oil wells in the **Trapp field**.

Of the 12 rank wildcat tests, 2 reported shows of oil or gas. Jones, Shelburne and Farmer, Inc., No. 1 Heine in sec. 33, T. 12 S., R. 11 W., was drilled the greatest distance from known production. No shows or drill-stem tests were indicated on reports of the well. The reported tops of some marker beds encountered in drilling these rank wildcat tests are given in Table 49.

The locations of the rank wildcat tests and of Russell County's oil fields are shown on Plate 2. Oil production statistics by fields are given in Table 57. Miscellaneous gas production is reported in Table 58. The secondary recovery projects now operating in Russell County are included in Table 1.

SALINE COUNTY

(Map Pl. 2)

The 1955 production from 11 fields: oil 1,126,475 barrels. Wells drilled in 1955: oil 7, dry 14, total 21 including 8 dry wildcats.

Developments during 1955.—The total production from Saline County showed a 21 percent decline from 1954, and drilling activity resulted in the completion of only 21 wells of all types, compared with 32 the previous year.

The field development programs resulted in the completion of 1 dry hole in the **Bachofer** field, 1 oil well and 1 dry hole in the **Gypsum Creek** field, 1 dry hole in the **Hunter** field, 1 dry hole in the **Mentor** field, 3 oil wells in the **Salemsborg** field, and 3 oil wells and 2 dry holes in the **Smolan** field.

Of the 8 rank wildcat tests, only 1, the S. B. Smith, Jr., No. 1 Malmgren in sec. 23, T. 16 S., R. 4 W., specifically reported a show of oil. A drill-stem test at a depth of 3,520 to 3,524 feet, open 2 hours, recovered 775 feet of slightly oil and gas cut salt water and 1 foot of free oil. The tops of important marker beds encountered during the drilling of these exploratory holes are tabulated in Table 50.

The locations of the rank wildcat holes and of the oil fields of Saline County are shown on Plate 2. Production statistics for Saline County oil fields are given in Table 57.

TABLE 50.—*Dry wildcat tests drilled in Saline County during 1955*

Company and farm	Location	Surface elevation, feet	Depth to top of Mississippian, feet	Depth to top of Viola, feet	Depth to top of Arbuckle, feet	Total depth, feet
*E. W. Vishnefske No. 1 Geis	NW NW NW 27-13-2W	1,223	2,590	3,185	3,360	3,365
*Rex & Morris Drlg. Co., et al. No. 1 Peck	SE SE SE 3-15-1W	1,222	2,538	1,880**	.....	2,615
*Rex & Morris Drlg. Co. et al. No. 1 Major	SW SW NE 16-15-1W	1,212	2,589	1,931**	.....	2,641
*Rex & Morris Drlg. Co., et al. No. 1 Olson	NW NW NE 22-15-1W	1,244	2,597	3,176	2,924†	3,197
*Donald T. Ingling, et al. No. 1 Isbell	NW SW NE 10-16-1W	.....	2,616	1,964**	.....	2,641
*Donald T. Ingling, et al. No. 1 Mayer	NW NW NE 23-16-1W	1,322	2,675	2,024**	.....	2,695
*John Burgher No. 1 Swanson	NE NE SW 21-16-3W	1,374	2,914	3,421	3,564	3,584
S. B. Smith, Jr. No. 1 Malmgren	NW SE NW 23-16-4W	1,383	3,042	3,561	2,360**	3,610

* No electric or radioactivity logs available. Kansas Sample Log Service, Independent Oil & Gas Service, and other available data have been used.
** Depth to top of the Lans.-K.C., feet.
† Depth to top of the "Hunton", feet.

SCOTT COUNTY

(Map Pl. 3)

The 1955 production from 3 fields: oil 85,814 barrels, gas none reported. Wells drilled in 1955: oil 2, dry 2, total 4 including 1 dry wildcat.

Developments during 1955.—Oil production from Scott County's 3 fields was 80 percent more than that reported for 1954. Production figures were larger for each of the three fields, the **Keystone** field reporting 47,556 barrels of oil during 1955 compared to 27,599 for 1954.

The Mississippian rocks at a depth of 4,577 to 4,587 feet in the H. and H. Drilling Company No. 1 Popp well in the **Grigston** field in sec. 10, T. 19 S., R. 31 W., constitute a new producing zone (Table 7) in an old field. Initial potential was 63 barrels of oil per day.

Field development programs accounted for the completion of 1 other oil well in the **Grigston** field and 1 dry hole in the **Keystone** field.

Only one dry wildcat test, the Dozier Oil Co. No. 1 Shearmire in the SE¼ SE¼ NW¼ sec. 21, T. 18 S., R. 34 W., was drilled in the county during the year. This rank wildcat was drilled from a rotary bushing elevation of 3,136 feet above sea level to a total depth of 5,555 feet. Tops reported were: Heebner shale, 3,986 feet; Lansing group, 4,019 feet; Mississippian rocks, 4,842 feet; and Viola limestone, 5,488 feet depth. Several drill-stem tests failed to show oil or gas.

The locations of the new producing zone in the **Grigston** field, the 1 rank wildcat test, the **Keystone** field, and the **Shallow Water** field are shown on Plate 3. Oil production by fields is given in Table 57. The inactive gas area of the **Keystone** field is included in Table 58.

SEDGWICK COUNTY

(Map Pl. 2)

The 1955 production from 38 fields: oil 2,137,648 barrels including production from secondary recovery projects, gas 199,643 thousand cubic feet. Wells drilled in 1955: oil 205, dry 132, salt-water disposal 2, total 339 including 37 dry wildcats. Reworked wells: oil 2, dry 3, salt-water disposal 2. Fields discovered 4, revived 2.

Developments during 1955.—Oil production from Sedgwick County was more than twice that reported for 1954, entirely because of the successful development of the Mississippian production in the **Gladys** field. The amount of oil produced during 1955 from 1 Lansing—Kansas City well and 188 Mississippian wells in the **Gladys** field was 1,013,733 barrels. The Lansing—Kansas City zone became a new producing zone in the old **Gladys** field when E. H. Adair Oil company completed the No. 3 Wright well in sec. 36, T. 28 S., R. 1 W.; initial potential was 94 barrels of oil per day through perforations at a depth of 2,773 to 2,777 feet. This development is listed in Table 7.

Four new Mississippian oil fields were discovered in Sedgwick County during 1955 as the result of an intense exploratory program. These are the **Brumley, Gladys South, Gladys Southeast,** and the **Schulte South** fields. The **Brumley** field was brought

in by the E. H. Adair Oil Company No. 1 Brumley well in sec. 19, T. 29 S., R. 1 E. The initial potential of the discovery well was 20 barrels of oil per day from a zone at a depth of 3,352 to 3,360 feet. Petroleum, Inc., discovered the **Gladys South** field when they completed their No. 1 Howell well in sec. 5, T. 29 S., R. 1 E. The initial potential through perforations at a depth of 3,194 to 3,210 feet was 33 barrels of oil per day. **Gladys Southeast** was discovered by the E. H. Adair Oil Company No. 1 Blood well in sec. 4, T. 29 S., R. 1 E. Initial potential was 80 barrels of oil per day from Mississippian strata at a depth of 3,150 to 3,165 feet. Time Petroleum brought in the discovery well of the **Schulte South** field on the Dugan lease in sec. 18, T. 28 S., R. 1 W. The Mississippian rocks at a depth of 3,390 to 3,401 feet were given a rating of 25 barrels of oil per day. Data on the discovery well of each of these new fields are tabulated in Table 6.

Two fields were revived in Sedgwick County during 1955, the **Bentley,** discovered in 1929 and abandoned in 1934, and the **Kechi,** discovered in 1929 and abandoned in 1938. Data on the revival wells of each of these 2 fields are given in Table 6.

Field development programs resulted in the completion of 185 oil wells, 46 dry holes, and 1 salt-water disposal well in the **Gladys** field, 1 oil well in the **Fairview North** field, 3 oil wells (including the discovery well) in the **Gladys South** field, 2 oil wells, 4 dry holes, and 1 salt-water disposal well in the **Greenwich** field, 3 oil wells and 4 dry holes in the **Kuske** field, and 5 oil wells and 5 dry holes in the **Robbins** field.

Exploratory drilling incited by the successful completion of Mississippian producing wells in the **Gladys** field resulted in the completion of 37 rank wildcat tests in the county during 1955. Of these tests, 8 reported shows of oil or gas before further testing indicated that completion was unadvisable. The footages to tops of some selected marker beds encountered in drilling these tests are given in Table 51.

The locations of the rank wildcat tests and the oil and gas fields of Sedgwick County are shown on Plate 2. Oil production statistics by fields are given in Table 57; corresponding data on gas production are given in Table 58. Developments in the **Robbins** field secondary recovery projects are given in Table 1, and the locations of the projects are shown on Plate 2.

TABLE 51.—*Dry wildcat tests drilled in Sedgwick County during 1955*

Company and farm	Location	Surface elevation, feet	Depth to top of Kansas City, feet	Depth to top of Mississippian, feet	Depth to top of Arbuckle, feet	Total depth, feet
Petroleum, Inc. No. 1 Drake	NE NE NE 30-25-1E	1,370	2,562	3,074	3,597	3,622
*E. H. Adair Oil Co. No. 1 Whitson	SE SE NE 36-25-2E	1,382	2,397	2,839	3,245**	3,311
*Gabbert-Jones Drlg. Co. No. 1 Bertholf	SW SW NE 26-26-1E	1,376	2,555	3,043	.....	3,226
*J. P. Gaty No. 1 Parmley	SE SW SE 24-27-2E	1,302	2,360	2,819	3,206	3,226
*Renfro Drlg. Co. No. 1 Wheeler	SE SE SE 25-28-1E	1,310	2,599	3,122	.....	3,172
*J. P. Gaty No. 1 Trustee	E2 NE NE 26-28-2E	1,365	2,512	2,985	3,345	3,350
Rex & Morris Drlg. Co. No. 1 Daily	SE SW NW 10-29-1E	1,250	2,683	3,225	.....	3,300
*Shawver-Armour, Inc. No. 1 Costin	NE NE SW 11-29-1E	1,249	2,648	3,154	.....	3,300
*Shawver-Armour, Inc. No. 1 Bowman	SW SW NE 15-29-1E	1,239	2,659	3,188	.....	3,663
Time Petro. Co. No. 1 Washburn	NW NW SE 16-29-1E	1,246	2,719	3,296	3,690	3,700
Petroleum, Inc. No. 1 Royer	NW NW NE 18-29-1E	1,295	2,748	3,302	.....	3,400
*Murfin Drlg. Co. No. 1 H. D. Fisher	NE NE SW 21-29-1E	1,244	2,738	3,292	3,717	3,725
*Petroleum, Inc. No. 1 Shoemaker "A"	NE NE NW 25-29-1E	1,240	2,606	3,125	3,572	3,592
*Shawver-Armour, Inc. No. 1 Laurie	SE SE NW 26-29-1E	1,243	2,667	3,216	3,729	3,740
*J. P. Gaty, et al. No. 1 Mogan	NW SE SE 29-29-1E	1,268	2,781	3,345	.....	3,361
*O. A. Sutton Oil Prop. & Invest. No. 1 Schnitzler	SW SW SW 30-29-1E	1,270	2,787	3,374	3,851	3,853
*Henry Inger No. 1 Gouldner	SW NE NE 31-29-1E	1,296	2,769	3,342	.....	3,396
Time Petro. Co. No. 1 Winderlin	NW NW NW 32-29-1E	1,274	2,770	3,338	3,834	3,860
J. P. Gaty No. 1 Riley	NW NW NE 18-29-2E	1,293	2,595	3,105	3,508	3,517
*C. H. Hinton, et al. No. 1 Clark	SW SE SW 1-25-2W	1,389	2,525	3,360	.....	3,451
Barbara Oil Co. No. 1 Seivert	SW SW SW 18-26-2W	1,408	2,651†	3,490	4,094	4,120
Barbara Oil Co. No. 1 Simon	SW SW NE 20-26-2W	1,394	2,614†	3,476	4,063	4,115

Skelly Oil Co. No. 1 Biermann	NE NE NE 26-26-3W	1,460	2,731†	3,568	4,168	4,187
E. H. Adair Oil Co., et al. No. 1 Strunk	NW NW NW 5-27-2W	1,457	2,704†	3,575	4,194	4,220
*Drillers Prod. Co., Inc. No. 1 Martin	NE SE NE 22-27-2W	1,401	2,950	3,553	4,140	4,167
*Drillers Prod. Co., Inc. No. 1 Reece	NE NE NW 22-27-2W	1,398	2,948	.....	.....	3,080
Fleming & Woodman Drlg. Co., et al. No. 1 Waltz	NE NE SW 5-27-4W	1,407	2,818†	3,637	4,053**	4,087
Lion Oil Co. No. 1 Asendorf	SW SW SW 25-27-4W	1,410	2,852†	3,701	4,289	4,315
*Time Petro. Co. No. 1 Klausmeyer	SE SW NE 25-28-2W	1,346	2,842	3,443	.....	3,469
Francis M. Raymond No. 1 Wheeler	NW NW NW 9-28-3W	1,403	3,122	3,704	4,295	4,300
Wilcox Oil Co., et al. No. 1 Chancel	SW SW NE 3-29-1W	1,292	2,877	3,414	.....	3,462
*O. A. Sutton, et al. No. 1 Jordan	NW NW NE 11-29-1W	1,294	2,760	3,296	.....	3,405
*Beardmore Drlg. Co., et al. No. 1 Capron	NW SE SE 11-29-1W	1,287	2,750	3,281	.....	3,347
Petroleum, Inc. No. 1 Wise	NE NE NE 1-29-2W	1,315	2,870	3,479	3,900	3,940
The Texas Co. No. 1 Parson	SE NE NE 30-29-2W	1,283	3,020	3,630	.....	4,100
McNeish & Gralapp No. 1 Pauly	SE SE NE 2-29-3W	1,345	3,090	3,734	.....	3,825
Natl. Coop. Refg. Assoc., et al. No. 1 Hedrick	NW NW NE 26-29-4W	1,365	3,272	3,894	4,432	4,465

* No electric or radioactivity logs available. Kansas Sample Log Service, Independent Oil & Gas Service, and other available data have been used.

** Depth to top of the Viola, feet. † Depth to top of the Lansing, feet.

SEWARD COUNTY

(Map Pl. 3)

The 1955 production from 15 fields: oil 64,818 barrels, gas 30,294,960 thousand cubic feet. Wells drilled in 1955: gas 25, dry 9, total 34 including 2 dry wildcats. Reworked wells: dry 1. Fields discovered 2.

Developments during 1955.—Oil production was about 18,000 barrels more than that reported for 1954, mostly because of an increase in production from the prorated **Liberal-Light** oil and gas field. Gas production for the county increased about 4 billion cubic feet over the 1954 figure, but the number of well completions declined from 54 in 1954 to 34 in 1955.

The **Massoni** gas field was discovered by the Cabot Carbon Corporation in their first test on the Massoni lease in sec. 5, T. 33 S., R. 31 W. Initial potential was 8,000,000 cubic feet of gas per day, from the Toronto limestone at a depth of 4,270 to 4,280 feet. The Panhandle Eastern Pipe Line Company No. 2-20 Shuck well was the discovery well of the important new **Shuck** field in sec. 20, T. 33 S., R. 34 W., within the geographical limits of the Hugoton Gas Area. Potential of the discovery well was 5,000,000 cubic feet of gas per day from Morrowan rocks at a depth of 5,987 to 6,000 feet. As a result of the addition of the **Shuck** field, Seward County now has 3 fields within the geographical outline of the Hugoton Gas Area, which is, by definition, limited stratigraphically to the Chase group of rocks. Additional data on the discovery well of each of these new fields are given in Table 6.

There were 21 new Chase group gas wells completed within Seward County's portion of the Hugoton Gas Area during 1955. One of these, the Skelly Oil Company No. 1 C. S. High in sec. 34, T. 31 S., R. 32 W., should be designated a wildcat well because it penetrated the Mississippian rocks before being plugged back to the Chase group for completion as a gas well. A show of oil was reported in the Chesteran Series of rocks at a depth of 5,568 to 5,574 feet. Reported tops measured from a rotary bushing elevation of 2,850 feet are: Heebner shale, 4,228; Lansing group, 4,336; Morrowan group, 5,467; Chesteran Series, 5,564; and Ste. Genevieve limestone at 5,740 feet. Total depth was 5,861 feet.

Another hole within the Hugoton Gas Area that is rightly a wildcat is the dry hole completed by J. M. Huber Corporation as the No. 1-12 Dunlap in sec. 12, T. 35 S., R. 34 W. Reported tops measured from an elevation of 2,898 feet above sea level are: Lansing group, 4,524; Morrowan group, 5,950; and Chesteran Series, 6,298 feet depth; total depth was 6,455 feet. Slight shows of gas on drill-stem tests in the Marmaton and Morrowan groups of rocks were reported.

Two dry wildcat tests were drilled in the county outside of the Hugoton Gas Area during the year. One, the Musgrove Petroleum Corporation No. 1 Collingwood in the cen. NE¼ SW¼ sec. 28, T. 32 S., R. 31 W., was drilled from a rotary bushing elevation of 2,801 feet above sea level to a total depth of 5,775 feet. Tops identified were: Lansing group, 4,401 feet; Marmaton group, 5,040 feet; Cherokee group, 5,224 feet; and Mississippian rocks, 5,600

feet depth. Although considerable testing was done, no commercial amount of oil or gas was indicated. The Shamrock Oil and Gas Corporation No. 1 Fincher in the cen. NW¼ NE¼ sec. 25, T. 34 S., R. 32 W., was drilled to a total depth of 6,165 feet. Drilled from a rotary bushing elevation of 2,754 feet above sea level, this Mississippian test encountered the Lansing group at 4,565 feet, the Marmaton group at 5,285 feet, the Cherokee group at 5,443 feet, the Atokan group at 5,658 feet, the Morrowan group at 5,863 feet, and Mississippian rocks at 6,075 feet depth. No shows or tests were reported.

The completion of 21 Hugoton Gas Area wells during 1955 brings to 323 the cumulative number of gas wells drilled in Seward County's portion of that field. The 1955 production from Seward County's 310 producing wells amounted to 23,334,636 thousand cubic feet.

The locations of the 21 new gas wells, the rank wildcat test wells, and the oil and gas fields of Seward County are shown on Plate 3. Gas production by fields is given in Table 58 and oil production in Table 57. Historical data on the Hugoton Gas Area are given in the chapter on natural gas.

SHERIDAN COUNTY

(Map Pl. 3)

The 1955 production from 11 fields: oil 353,799 barrels. Wells drilled in 1955: oil 8, dry 34, total 42 including 22 dry wildcats. Fields discovered 3.

Developments during 1955.—Although oil production was 9 percent less than that reported during 1954, there were 42 well completions compared to 16 in 1954, and 3 new oil fields were named.

The **Chicago** oil field was discovered by the Barnett Oil Company No. 1 Reed well in sec. 35, T. 6 S., R. 27 W. The scout report carried the discovery well as a dry hole, and no production was reported from that well during 1955. The **Custer** field was brought in by the Jones, Shelburne and Farmer, Inc., No. 1 Custer well in sec. 12, T. 10 S., R. 26 W. Initial potential was 320 barrels of oil per day from the Lansing—Kansas City group at a depth of 4,024 to 4,029 feet. Jones, Shelburne and Farmer, Inc., also drilled the **Studley Southeast** field discovery well, the No. 1 Pratt in sec.

26, T. 8 S., R. 26 W., rated at 255 barrels of oil per day from Lansing—Kansas City strata at a depth of 3,872 to 3,880 feet. These developments are listed in Table 6.

TABLE 52.—*Dry wildcat tests drilled in Sheridan County during 1955*

Company and farm	Location	Surface elevation, feet	Depth to top of Lans.-K.C., feet	Depth to top of Mississippian, feet	Total depth, feet
Sauvage & Dunn Drlg. Co., Inc. No. 1 Shower	SE SE NW 22-6-26W	2,638	3,756	.....	4,256
Jones, Shelburne & Farmer, Inc. No. 1 Shoemaker	NW NW SW 27-6-26W	2,650	3,798	4,322**	4,325
*Empire Drlg. Co. No. 1 Winter	SE SE SW 22-6-27W	2,693	3,883	.....	4,115
*Imperial Drlg. Co., Inc. No. 1 Sidesinger	NE SW NE 36-6-27W	2,686	3,876	4,421	4,619
*Coppinger Drlg., Inc. No. 1 Wagoner	NW NW NW 34-6-28W	2,757	3,928	4,464	4,661
Empire Drlg. Co., et al. No. 1 O. S. Allen	SW SW SW 3-7-26W	2,590	3,796	.....	4,011
Jones, Shelburne & Farmer, Inc. No. 1 Barnett	NW NW NE 24-7-26W	2,572	3,806	4,314	4,389
Durbin Bond & Co., Inc. et al. No. 1 Follis	SW SW NE 12-7-27W	2,630	3,836	.....	4,070
*Sauvage & Dunn Drlg. Co., Inc. No. 1 Babcock	NE NE NE 24-7-27W	2,631	3,861	4,398	4,450
Imperial Drlg. Co., Inc. No. 1 Twell	SE NW NW 15-8-26W	2,447	3,641	4,200	4,450
Empire Drlg. Co. No. 1 Sutor	SW SW SE 30-8-26W	2,593	3,750	.....	3,980
*Imperial Drlg. Co., Inc. No. 1 Martin	SW SE SW 31-8-26W	2,556	3,713	4,246	4,434
*Imperial Drlg. Co., Inc. No. 1 Karnes	NE NE SE 1-8-27W	2,584	3776	4,412	4,641
Jones, Shelburne & Farmer, Inc. No. 1 Koster	SE SE SW 29-8-29W	2,798	3,890	4,433	4,644
*Heathman-Seeligson Drlg. Co. No. 1 Shafer	SW SW SW 7-9-26W	2,612	3,767	4,328	4,381
*Jones, Shelburne & Farmer, Inc. No. 1 Epler	NW NW SW 15-9-26W	2,663	3,908	.....	4,150
Trans-Era Petro., Inc., et al. No. 1 Bell "B"	SE SE SE 13-9-28W	2,766	3,901	4,444	4,701
*Jones-Shelburne & Farmer, Inc. No. 1 Oaks	NE NE NE 31-9-28W	2,825	3,955	4,594	4,525
Gulf Oil Corp. No. 1 Manhart	SE SE SW 28-9-29W	2,856	3,978	4,528	4,743
*Aurora Gasoline Co., et al. No. 1 Custer	NW NW SW 27-10-26W	2,533	3,830	4,382	4,647

Wick's Petro. Co. No. 1 Long	NE NE NW 32-10-26W	2,535	3,911	4,370	4,620
Jones, Shelburne & Farmer, Inc. No. 1 Mader	NW NW NE 26-10-28W	2,640	3,763	4,314	4,597

* No electric or radioactivity logs available. Kansas Sample Log Service, Independent Oil & Gas Service, and other available data have been used.
** Depth to top of the Arbuckle, feet.

Routine field development programs added 3 dry holes to the **Allodium** field (this field, located in Graham County along the county line, was discovered in 1955), 1 oil well to the **Adell** field, 1 oil well and 2 dry holes to the **Hortonville** field, 3 oil wells and 2 dry holes to the **Studley Southwest** field, and 1 oil well to the **Wessel North** field.

Only 3 of the 22 rank wildcat tests reported shows of oil or gas. The tops of marker beds encountered during the drilling of these exploratory holes are given in Table 52.

The locations of the rank wildcat tests and oil fields are shown on Plate 3. Oil production from the various fields is given in Table 57.

SHERMAN COUNTY

(Map Pl. 3)

Wildcat tests have been drilled in Sherman County from time to time, but as yet no oil or gas field has been found.

Exploration during 1955.—One dry wildcat, an Arbuckle test, was drilled in the county during the year. The Shell Oil Company No. 1 Harden in the cen. NE¼ SE¼ sec. 24, T. 6 S., R. 40 W., was drilled to a total depth of 5,531 feet. Several drill-stem tests failed to indicate oil or gas. Measured from a rotary bushing elevation of 3,653 feet above sea level, the Lansing group was reached at 4,430 feet; the Marmaton group at 4,735 feet; the Mississippian rocks at 5,233 feet; and Arbuckle at 5,447 feet depth.

STAFFORD COUNTY

(Map Pl. 2)

The 1955 production from 152 fields: oil 6,564,369 barrels, gas 854,295 thousand cubic feet. Wells drilled in 1955: oil 66, dry 98, salt-water disposal 3, total 167 including 14 dry wildcats. Reworked wells: oil 10, dry 1. Fields discovered 4, revived 1, combined 1, abandoned 1.

Developments during 1955.—Activity in all phases of the oil industry in Stafford County was less than that of the previous year, but Stafford retained the seventh place among oil producing counties in the state during 1955.

The **Farmington Northeast** field was discovered by the Homer Wilcox No. 1 Blount well in sec. 26, T. 24 S., R. 15 W. The Arbuckle dolomite at a depth of 4,416 to 4,428 feet was the producing zone and was rated at 166 barrels of oil per day. The Oil Capitol Corporation No. 1 Ward in sec. 11, T. 23 S., R. 13 W., was the discovery well of the **Happy Valley Northeast** field. Initial potential was 147 barrels of oil per day from the Arbuckle dolomite at a depth of 3,857 to 3,867 feet. The **Max North** field was opened by the Anschutz Drilling Company, Inc., No. 1 Shumway well in sec. 27, T. 21 S., R. 12 W. The Arbuckle at a depth of 3,628 to 3,630 feet had an initial potential of 52 barrels of oil per day. The **Pleasant Grove South** field was named by the Nomenclature Committee when the Thunderbird Drilling Company No. 1 Rogers well in sec. 35, T. 22 S., R. 12 W., indicated a potential Arbuckle commercial well. The scout report, however, carried the well as a dry hole, no production was reported from the well, and three offset wells were also declared dry. Additional data on the discovery wells of the aforementioned fields are given in Table 6.

The **Clarksburg** field, discovered in 1950 and abandoned the same year, was revived during 1955. The revival well was the Arnold Kimmes et al No. 1 Long well in sec. 36, T. 22 S., R. 13 W. The Lansing—Kansas City group contained a producing zone at a depth of 3,576 to 3,582 feet, which had an initial potential of 237 barrels of oil per day. Data on this development are given in Table 6.

New producing zones in old Stafford County fields include the Lansing—Kansas City and Arbuckle rocks in the **Kachelman** field, the Simpson strata in the **Lincoln Northwest** field, the Arbuckle dolomite in the **Mt. View** and **St. John Northwest** fields, and the Pennsylvanian basal conglomerate and Simpson rocks in the **Shaeffer** field. The discovery well of each of these new producing zones is tabulated in Table 7.

Before the end of the year, the **Drach West** field was declared to have a common producing zone with the **Gates** field and was combined with the latter field.

The **Kennil** Arbuckle field, discovered by a well in sec. 4, T. 23 S., R. 13 W., in 1954 was abandoned during 1955. No production had been reported from the named field.

The extension oil wells in Stafford County fields were well distributed; in only the **Brenn** field (5 oil wells and 4 dry holes) and the **Max** field (8 oil wells and 4 dry holes) were more than 5 field wells completed during 1955.

Of the 14 rank wildcat tests drilled in Stafford County during 1955, few reported shows of oil or gas. The W. L. Hartman Drilling Company No. 1 Kissling in sec. 25, T. 24 S., R. 12 W., was drilled near the abandoned **Pleasant Hill** field. The Lion Oil Com-

TABLE 53.—*Dry wildcat tests drilled in Stafford County during 1955*

Company and farm	Location	Surface elevation, feet	Depth to top of Lans.-K.C., feet	Depth to top of Arbuckle, feet	Total depth, feet
J. F .Darby No. 1 Hildebrand	NE NE SW 9-23-11W	1,816	3,299	3,742	3,790
*Iron Drlg. Co. No. 1 Thole	SW SW NW 23-23-11W	1,804	3,302	3,795	3,807
*Rocket Drlg. Co., Inc. No. 1 Brown	NE NE NW 19-23-12W	1,881	3,440	3,903	3,920
Loffland Bros. No. 1 Aitken	SW SE SW 9-23-13W	1,897	3,463	3,893	3,905
Loffland Bros. No. 1 Michaelis	NE NE NE 36-23-13W	1,897	3,456	3,972	3,995
*W. L. Hartman No. 1 Kissling	SW SW SW 25-24-12W	1,854	3,500	4,098	4,150
Anschutz Drlg., Inc. No. 1 Halley	NW NW SW 34-24-13W	1,936	3,614	4,196	4,246
Skelly Oil Co. No. 1 V. C. Brock	NW NE NE 30-25-11W	1,849	3,550	4,201	4,219
*Hilton Drlg. Co. No. 1 Garey	NE NE SE 8-25-12W	1,890	3,567	4,160	4,210
*El Dorado Refining No. 1 Crawford	NE NE SW 10-25-12W	1,865	3,554	4,174	4,190
Lee Phillips Oil Co. No. 1 Dudrey	SW SW SW 22-25-13W	1,937	3,714	4,364	4,405
M & L Oil Co. No. 1 Southards	NW NW NE 32-25-14W	2,005	3,804	4,500	4,532
Lion Oil Co. No. 1 Suiter	SE SE SE 8-25-15W	2,047	3,813	4,550	4,600
Chas. Hulme Drlg. No. 1 Piland	SE SE SE 18-25-14W	2,053	3,855	4,622	4,651

* No electric or radioactivity logs available. Kansas Sample Log Service, Independent Oil & Gas Service, and other available data sources have been used.

pany No. 1 Suiter in sec. 8, T. 25 S., R. 15 W., indicated possibility of oil recovery from the Pennsylvanian basal conglomerate, but increase in salt-water recovery made further testing unadvisable. The tops of some selected marker beds encountered during the drilling of these exploratory tests are given in Table 53.

The locations of the rank wildcats and the oil and gas fields of Stafford County are shown on Plate 2. Oil production statistics are given in Table 57, gas in Table 58.

STANTON COUNTY

(Map Pl. 3)

The 1955 production: gas (all from the Hugoton Gas Area) 15,438,885 thousand cubic feet. Wells drilled in 1955: gas 3, dry 8, total 11 including 6 dry wildcats.

Developments during 1955.—Gas production, all from the Hugoton Gas Area, was 12 percent more than that during 1954. There were no new wells completed within the county's portion of the Hugoton Gas Area during the year.

Three field gas wells and 2 dry holes were completed in the **Sparks** Morrowan field during 1955. No production has been recorded from that field as yet. The Superior Oil Company completed one of the new gas wells on the Kansas Units in sec. 28, T. 30 S., R. 42 W.; initial potential was 7,120,000 cubic feet of gas per day. The same company completed the No. 1 Royalty Holders Association in sec. 33, for 9,400,000 cubic feet of gas per day, and the No. 1 Weaver in sec. 35, for 7,900,000 cubic feet of gas per day.

The 1955 gas production from 234 producing wells in the Stanton County portion of the Hugoton Gas Area amounted to 15,438,885 thousand cubic feet of gas, bringing the cumulative production from that portion of the field to 90,309,329 thousand cubic feet.

The six rank wildcat tests drilled in the county during the year were confined to the western half of the county; 3 reported shows of oil or gas, and all 6 penetrated the Mississippian rocks before abandonment. Data on the tops of marker beds encountered in drilling these exploratory holes are given in Table 54.

The locations of these exploratory holes, Stanton County's portion of the Hugoton Gas Area, and the **Sparks** field are shown on Plate 3. Gas production statistics are given in Table 58. Historical

TABLE 54.—*Dry wildcat tests drilled in Stanton County during 1955*

Company and farm	Location	Surface elevation, feet	Depth to top of Lans.-K.C., feet	Depth to top of Mississippian, feet	Total depth, feet
Carter Oil Co. No. 1 Gordon	C SE NW 28-27-41W	3,372	3,523	5,376	5,599
Van-Grisso Oil Co., et al. No. 1 Wilson	SE SE SE 11-27-43W	3,540	3,562	5,500	5,710
J. M. Huber Corp. No. 1 Cockreham	Cen. SE SE 12-28-43W	3,558	3,540	5,490	5,700
Van Grisso Oil Co., et al. No. 1 Cockrum	SE SE SE 11-29-43W	3,548	3,486	5,454	5,650
J. M. Huber Corp. No. 1 V. Stewart	Cen. SE SW 33-29-43W	3,662	3,480	5,476	5,606
J. M. Huber Corp. No. 1 Hoopingarner	Cen. NE¼ 21-30-42W	3,520	3,480	5,414	5,546

data on the Hugoton Gas Area are given in the chapter on natural gas.

STEVENS COUNTY

(Map Pl. 3)

The 1955 production: gas (all from the Hugoton Gas Area) 109,053,705 thousand cubic feet. Wells drilled in 1955: gas 5. Reworked wells: gas 1.

Developments during 1955.—Gas production from Stevens County, all from the Hugoton Gas Area, amounted to 109,053,705 thousand cubic feet, or 17 percent more than that reported for 1954. There were 720 producing wells reported at the end of 1955, and the cumulative production from the county's portion of the field was 1,376,626,786 thousand cubic feet.

During 1955, there were 5 new Chase group gas wells completed in the Hugoton Gas Area, four by the Northern Natural Gas Company and one by Kansas-Colorado Utilities. One old gas well, the Hugoton Production Company No. 1 Spikes in sec. 16, T. 31 S., R. 38 W., completed in 1954, was reworked during 1955, and completed as a gas well having a potential of 29,917,000 cubic feet per day.

The new gas wells and the Hugoton Gas Area in Stanton County are indicated on Plate 3. Gas production statistics are given in Table 58. Historical data on the Hugoton Gas Area are given in the chapter on natural gas.

SUMNER COUNTY

(Map Pl. 2)

The 1955 production from 41 fields: oil 2,792,934 barrels including production from secondary recovery projects, gas 1,546,417 thousand cubic feet. Wells drilled in 1955: oil 130, gas 1, dry 88, salt-water disposal 3, total 222 including 32 dry wildcats. Reworked wells: oil 3, dry 2. Fields discovered 4, revived 1, combined 5, abandoned 2.

Developments during 1955.—Interest in Sumner County was high during 1955. Oil production increased almost 47 percent over that reported for 1954, gas production jumped to more than 1.8 billion cubic feet, and 222 wells of all types were drilled.

Four new oil fields were named and one was revived during 1955. The **Kerschen** field was opened by the South Texas Development Company No. 1 Kerschen well in sec. 17, T. 31 S., R. 3 W. The initial potential from the Lansing—Kansas City group of rocks was 79 barrels of oil per day. The **Norris** field discovery well, the No. 1 Norris in sec. 3, T. 34 S., R. 2 E., was completed by the Natural Gas and Oil Corporation as a "Layton" producer at a depth of 2,785 to 2,788 feet. Initial potential was 25 barrels of oil per day. The Stelbar Oil Corporation, Inc., No. 1 O'Hara in sec. 18, T. 32 S., R. 1 W., was the discovery well of the **O'Hara** field. The Lansing—Kansas City strata at a depth of 3,256 to 3,264 feet had an initial potential of 423 barrels of oil per day. The **Wellington Northeast** field was opened by the Aladdin Petroleum Corporation No. 1 Voils well in sec. 27, T. 31 S., R. 1 W. Potential of the discovery well was 258 barrels of oil per day, from the Mississippian rocks at a depth of 3,659 to 3,664 feet. The **Rutter** field, discovered in 1926 and abandoned in 1950, was revived during 1955, by the completion of Aladdin Petroleum Corporation No. 1 Melick well in the same section as the original discovery well, sec. 21, T. 33 S., R. 2 E. The producing zone in the Mississippian rocks at a depth of 3,283 to 3,294 feet had minimum potential (25 barrels per day). Additional data on the discovery well of each new field and on the revival well of the old field are given in Table 6.

The **Ashton East** Mississippian oil field, named in 1954, was abandoned in 1955; it had a cumulative production of 492 barrels of oil. The **Hunnewell** field, discovered in 1952, was also abandoned this year. The recorded cumulative production, from the Mississippian rocks, was 2,839 barrels of oil.

The Nomenclature Committee determined that several Sumner County fields were producing from common zones and should be combined. Among the fields combined during 1955 are the **Murphy Southwest** and **Vernon North** fields with the **State Line** field, the **Dyal** field with the **Padgett** field, and **Hilltop** and a portion of the **Millett** field with the **Murphy** field. The **Vernon North** field combination with the **State Line** field is of interest because it did not follow the law of priority, or that of using the older field name. The reverse action was taken because of a **Vernon** field in Woodson County that had priority over **Vernon North** in Sumner County.

The Mississippian rocks in the **Padgett West** field constituted a new producing zone discovered in an old field during 1955. The discovery well of this new producing zone is the Ayesh Oil Company No. 2 Tinsley-Nichols in sec. 28, T. 34 S., R. 2 E. The well was rated at 25 barrels of oil per day from a depth of 3,519 to 3,525 feet. This development is recorded in Table 7.

Field development programs resulted in the completion of the following number of wells, including the discovery wells of new fields: **Hilltop,** 51 oil wells, 12 dry holes, 2 salt-water disposal wells, and 2 gas wells; **Kerschen,** 4 oil wells and 2 dry holes; **Norris,** 4 oil wells and 1 dry hole; **Padgett,** 12 oil wells, 4 dry holes, and 1 salt-water disposal well; **Rutter,** 6 oil wells and 2 dry holes; **State Line,** 31 oil wells and 3 dry holes; and **Wellington Northeast,** 12 oil wells and 2 dry holes.

Of the 32 rank wildcat tests drilled in the county during the year, 15 reported shows of oil or gas. A good show of oil was recorded from the Southwest Oil Company No. 1 Unruh well in sec. 28, T. 34 S., R. 1 E., but later testing proved commercial deposits of oil were not present in the "Layton". The Capitt Drilling Company No. 1 Hangen test in sec. 1, T. 33 S., R. 1 E., reported only a slight show of gas and oil in the Mississippian strata. The test is near the abandoned **Tate** field. The depths to the top of some selected marker beds encountered in these wildcat wells are given in Table 55.

The locations of the exploratory test holes, the oil fields, secondary recovery projects, and the gas producing areas are shown on Plate 2. Data on secondary recovery projects are given in Table 1. Oil production statistics by fields are given in Table 57, and similar data on gas production are given in Table 58.

TABLE 55.—*Dry wildcat tests drilled in Sumner County during 1955*

Company and farm	Location	Surface elevation, feet	Depth to top of "Stalnaker," feet	Depth to top of Mississippian, feet	Depth to top of Simpson, feet	Total depth, feet
*E. H. Adair Oil Co. No. 1 Mason	SW SW SW 13-30-1E	1,216	2,369	3,260	3,692	3,795
*J. P. Gaty No. 1 Kersey	SW NW SE 8-20-2E	1,240	2,310	3,170	3,575	3,649
*Petroleum, Inc. No. 1 McNett "B"	NW NW SW 20-31-1E	1,329	2,610	3,631	.....	3,737
McNeish & Gralapp No. 1 Spencer	SE SE NE 34-31-2E	1,169	2,315	.....	.....	2,345
*Stelbar Oil Corp., Inc. No. 1 Rush	NW SE NW 3-32-2E	.....	2,232	.....	.....	3,081
Capitt Drlg. Co. No. 1 Hangen	NE NE SE 1-33-1E	1,154	2,440	3,420	3,756	3,810
*E. H. Adair, Oil Co., et al. No. 1 Larson	SE SE NW 26-33-1E	1,208	2,538	3,546	.....	3,611
Dudley-Heath, et al. No. 1 Patton	NW NW NW 33-33-2E	1,184	2,358	3,382	3,708	3,795
Southwest Oil Co. No. 1 Unruh	SW SW NE 28-34-1E	1,158	2,710	3,722	4,052	4,074
*Leben Oil Co., et al. No. 1 Hapner	SE SE NW 29-34-1E	1,144	2,689	3,736	4,071	4,082
Royal Oil Co., Inc. No. 1 Ward	NW NW SE 35-34-1E	1,141	2,482	3,556	.....	3,599
Lee Phillips, et al. No. 1 Hawkins	SE SW SE 26-30-1W	1,283	2,630	3,562	3,971	4,093
Petroleum, Inc. No. 1 Records	SE SE SW 33-30-1W	1,262	2,646	3,576	3,964	4,085
*Beaumont Petroleum Co. No. 1 Martin	NE SE SW 36-30-1W	1,266	2,923**	3,565	.....	3,680
Aladdin Petro. Corp. No. 1 Kerschen	NW NW SW 18-30-2W	1,362	2,790	3,715	4,142	4,251
Blackwell Oil & Gas Co. No. 1 Little	SE SE NE 9-30-3W	1,364	2,870	3,822	4,296	4,449
Aylward Drlg. Co., et al. No. 1 Glass	NE NE SW 6-31-3W	1,439	3,111	4,008	4,414	4,552
Aladdin Petro. Co., et al. No. 1 John	NE NE SW 34-31-4W	1,304	3,187	4,079	4,530	4,673
Champlin Refg. Co. No. 1 Wareing	NE NW NW 16-32-2W	1,284	2,920	3,875	4,332	4,463
*Aurora Gasoline, et al. No. 1 Heasty	NE NE NE 30-32-2W	1,221	2,898	3,892	4,282	4,435
*South Texas Dev. Co. No. 1 Lauterbach	NW NW SW 33-32-2W	1,221	2,890	3,917	4,354	4,376
*South Texas Dev. Co. No. 1 Hasty	SE SE NE 5-33-2W	1,220	2,938	3,935	4,380	4,394
*E. H. Adair Oil Co. No. 1 Thomas	NE NE NE 22-33-2W	1,206	2,875	3,944	4,316	4,330

Herndon Drlg. Co. No. 1 Goodpasture	NW NW NW 27-33-2W	1,205	.....	4,010	4,462	4,472
Arrow Drlg. Co. No. 1 Sours	NE NE NE 16-33-4W	1,274	3,150	4,135	4,495	4,525
*South Texas Dev. Co. No. 1 Brownback	NW SW SW 5-34-2W	1,125	2,990	4,085	4,502	4,551
*Falcon-Seaboard Drlg. Co. No. 1 Subera	NW NE SW 21-34-3W	1,184	3,196	4,320	4,767	4,794
Herndon Drlg. Co. No. 1 Subera	SW SE SE 21-34-3W	1,195	2,945	4,338	4,746	4,976
Iron Drlg. Co. No. 1 Davis	SE NW SE 11-34-4W	1,184	3,224	4,278	4,670	4,884
*Herndon Drlg. Co. No. 1 Pratt	SE SE NW 17-35-2W	1,106	3,160	4,365	4,792	5,035
Herndon Drlg. Co. No. 1 Patton	NE NE SE 18-35-2W	1,100	.....	4,353	4,777	4,819
Herndon Drlg. Co. No. 1 Patton	NW NE NE 18-35-2W	1,100	.....	4,314	4,753	4,814

* No electric or radioactivity logs available. Kansas Sample Log Service, Independent Oil & Gas Service, and other available data have been used.
** Depth to top of the Kansas City, feet.

THOMAS COUNTY

(Map Pl. 3)

The 1955 production from 1 field: oil 6,183 barrels. Wells drilled in 1955: dry 2 (wildcats).

Developments during 1955.—Oil production from the one Thomas County field, **Mingo,** discovered in 1954, amounted to 6,183 barrels. No new field wells were completed during 1955.

Two dry wildcats, both Arbuckle tests, were drilled in the county during the year. The Cities Service Oil Company No. 1 Lincoln in the SE¼ SE¼ SE¼ sec. 11, T. 6 S., R. 33 W., was drilled to a total depth of 5,012 feet. Measured from a derrick floor elevation of 3,068 feet above sea level, Heebner shale was reached at 3,926 feet, Lansing group at 3,974 feet, Marmaton group at 4,343 feet, Cherokee group at 4,448 feet, and Mississippian rocks at 4,542 feet depth. The Viola limestone was identified on the sample log at a depth of 4,710 feet and the Arbuckle dolomite at 4,804 feet. Several drill-stem tests were taken but no shows of oil or gas were observed.

The other dry wildcat, the Gulf Oil Corporation No. 1 Marie, in the NW¼ NW¼ NW¼ sec. 26, T. 9 S., R. 31 W., was drilled from an elevation of 3,013 feet above sea level to a total depth of 4,958 feet. Tops reported were Heebner shale, 4,030 feet; Lansing

group, 4,069 feet; Mississippian rocks, 4,636 feet; Viola limestone, 4,926 feet; and Arbuckle dolomite, 4,935 feet depth. No shows of oil or gas were reported.

The locations of the two rank wildcat test holes and the **Mingo** oil field are shown on Plate 3. Data on the production from the **Mingo** field are given in Table 57.

TREGO COUNTY

(Map Pl. 3)

The 1955 production from 25 fields: oil 1,076,788 barrels. Wells drilled in 1955: oil 22, dry 46, salt-water disposal 1, total 69 including 17 dry wildcats. Reworked wells: oil 1. Fields discovered 2.

Developments during 1955.—Oil production from the Trego County fields amounted to about 5 percent more than that of the previous year. In all, 69 well completions were reported during 1955, compared to 53 in 1954.

Two new oil fields were discovered through the wildcat activity in the county during the year, the **Groff Southeast** and the **Homburg.** The Wick's Petroleum Company No. 1 Wagoner well in sec. 35, T. 14 S., R. 21 W., was the discovery well of the **Groff Southeast** Marmaton field. Its potential was 480 barrels of oil per day from a depth of 3,824 to 3,828 feet. The **Homburg** field was brought in by the Stanolind Oil and Gas Company et al No. 1 Homburg well in sec. 11, T. 13 S., R. 21 W. The Marmaton group at a depth of 3,800 to 3,810 feet had an initial potential of 33 barrels of oil per day. Data on these developments are given in Table 6.

The Reagan sandstone was found to be a new producing zone in an old field, the **Ellis**, during 1955. The discovery well of this new zone was the Rex and Morris Drilling Company No. 1 Spilker "B" in sec. 1, T. 13 S., R. 21 W. The well was rated at 63 barrels of oil per day from a depth of 3,827 to 3,831 feet. Data on this development are given in Table 7.

Among the old fields, development drilling activity resulted in the completion of 3 oil wells and 1 dry hole in the **Ellis** field, 2 oil wells and 2 dry holes in the **Ogallah** field, 2 oil wells and 1 dry hole in the **Ridgeway** field, 2 oil wells and 4 dry holes in the **Walz** field, and 9 oil wells and 4 dry holes in the **White Southwest** field.

Few of the 17 rank wildcat tests reported shows of oil or gas. One, the Anschutz Drilling Company No. 1 Younger in sec. 32, T. 15 S., R. 25 W., was the first exploratory hole drilled in the township. The depths to the top of some selected marker beds encountered in drilling these holes are tabulated in Table 56.

TABLE 56.—*Dry wildcat tests drilled in Trego County during 1955*

Company and farm	Location	Surface elevation, feet	Depth to top of Lans.-K.C., feet	Depth to top of Arbuckle, feet	Total depth, feet
*Petroleum, Inc. No. 1 Lynd "B"	NE SW NW 28-11-21W	2,235	3,547	3,908	3,955
Stanolind Oil & Gas Co. No. 1 Musgrave	NE SW NW 29-11-21W	2,317	3,619	4,036	4,080
Petroleum, Inc. No. 1 Carpenter	SE NW NW 9-11-22W	2,234	3,496	3,915	3,945
*M. B. Armer Drlg. Co. No. 1 McCall	NE NE NE 12-11-23W	2,222	3,500	3,965	4,026
Murfin Drlg. Co. No. 1 Walker	SW SW SW 18-11-23W	2,356	3,735	4,274**	4,320
Aurora Gasoline, et al. No. 1 Garrett	SW SW NW 8-11-24W	2,327	3,671	4,414	4,475
Aurora Gasoline, et al. No. 1 Schwanbeck	SW SW NW 32-11-24W	2,543	3,894	4,645	4,692
*Armer Drlg. Co., et al. No. 1 Anna Brown	NE NE NE 13-11-25W	2,387	3,735	4,495	4,560
C-G Drlg., et al. No. 1 Nixon	SW SW SW 11-12-22W	2,328	3,635	4,032	4,063
*Carl Todd Drlg. Co. No. 1 Nixon	SW SE NW 15-12-22W	2,357	3,659	4,092	4,122
Transit Corp. No. 1 Rinker	NE NE SE 1-12-23W	2,420	3,675	4,118	4,141
*Fred B. Anschutz No. 1 Deines	SW SW NW 24-13-23W	2,437	3,814	4,559	4,570
Jones, Shelburne & Farmer, et al. No. 1 Madden "E"	SW SW NW 8-14-21W	2,231	3,605	4,038	4,085
Anschutz Drlg., et al. No. 1 Sellars	NE NE SW 7-15-22W	2,270	3,684	4,536	4,586
Braden Drlg., et al.. No. 1 Nicholson "A"	NW NW NE 14-15-22W	2,272	3,665	.....	4,265
Anschutz Drlg., et al. No. 1 Miller	SE SE SE 22-15-23W	2,338	3,744	4,590	4,646
Anschutz Drlg. No. 1 Younger	NE NE NE 32-15-25W	2,477	3,780	4,708	4,734

* No electric or radioactivity logs available. Kansas Sample Log Service, Independent Oil & Gas Service, and other available data have been used.

** Depth to top of the Mississippian, feet.

The locations of the dry wildcat tests and the oil fields of Trego County are shown on Plate 3. Oil production statistics are given in Table 57.

WABAUNSEE COUNTY

(Map Pl. 1)

The 1955 production from 5 fields: oil 153,321 barrels. Wells drilled in 1955 (reported): 2 dry wildcats.

Developments during 1955.—Reported oil production in Wabaunsee County in 1955 was 153,321 barrels, somewhat less than that of 1954 when 182,015 barrels was reported.

Two dry wildcat wells were reported in 1955. The Morrison Drilling Company No. 1 Thowe, SE¼ SE¼ SW¼ sec. 24, T. 11 S., R. 11 E., was abandoned at a total depth of 2,977 feet in May. Tops were reported as follows: Lansing group, 1,020 feet; Kansas City group, 1,159 feet; Pleasanton group, 1,370 feet; Cherokee group, 1,573 feet; Mississippian "chat", 2,051 feet; Mississippian dolomite, 2,055 feet; Kinderhookian rocks, 2,214 feet; Chattanooga shale, 2,445 feet; Devonian rocks ("Hunton"), 2,455 feet; Silurian rocks ("Hunton"), 2,481 feet; Maquoketa shale, 2,700 feet; Viola limestone, 2,753 feet; Simpson shale, 2,891 feet; Simpson sandstone, 2,896 feet; and Arbuckle rocks, 2,973 feet depth. The Morrison Drilling Company No. 1 Durr in the SE¼ SE¼ NE¼ sec. 15, T. 14 S., R. 11 E., was abandoned in May at a total depth of 3,404 feet. Tops were reported as follows: Lansing group, 1,520 feet; Kansas City group, 1,680 feet; Pleasanton group 1,884 feet; Marmaton group, 1,978 feet; "Burgess sand", 2,540 feet; Mississippian "chat", 2,560 feet; Mississippian dolomite, 2,565 feet; Kinderhookian rocks, 2,899 feet; "Hunton" limestone, 3,049 feet; Maquoketa dolomite, 3,136 feet; Maquoketa shale, 3,185 feet; Viola limestone, 3,203 feet; Simpson dolomite, 3,315 feet; Simpson sand, 3,336 feet; and Arbuckle rocks, 3,380 feet depth.

The Geological Survey has records of 76 dry wildcat wells drilled in Wabaunsee County previous to 1955 (Jewett, 1954, p. 345-348; Ver Wiebe and others, 1955, p. 140).

Locations of the wildcat wells drilled in Wabaunsee County and of areas in which oil was produced in 1955 are shown on Plate 1.

Oil production statistics are listed in Table 57.

WALLACE COUNTY

(Map Pl. 3)

Wildcat wells have been drilled in Wallace County from time to time, but so far no producing field has been discovered.

Exploration during 1955.—Two dry wildcat tests were drilled in the county during the year. One, an Arbuckle test, the States Oil Company No. 1 Harold in the cen. SE¼ SW¼ sec. 32, T. 11 S., R. 42 W., was drilled to a total depth of 6,020 feet. Measured from a rotary bushing elevation of 3,920 feet above sea level, the Lansing group was reached at 4,354 feet, the Morrowan group at 5,120 feet, the Mississippian rocks at 5,252 feet, the Kinderhookian rocks at 5,480 feet, and the Arbuckle dolomite at 5,630 feet depth. No shows or drill-stem tests were reported.

United Producing Company, Inc., drilled the other dry wildcat, a Mississippian test, in the cen. NW¼ NW¼ sec. 13, T. 14 S., R. 42 W., to a total depth of 5,350 feet. Drilling from an elevation of 3,799 feet above sea level, the No. 1 Fitzgerald encountered the Lansing group at 4,162 feet, the Marmaton group at 4,558 feet, the Cherokee group at 4,724 feet, the Morrowan group at 4,990 feet, and the Mississippian rocks at 5,124 feet depth. No shows of oil or gas were reported.

Locations of the new wildcat tests are shown on Plate 3.

WILSON COUNTY

(Map Pl. 1)

The 1955 production: oil from 44 areas in 15 fields 187,047 barrels including approximately 48,739 barrels from secondary recovery projects; gas 242,776 thousand cubic feet. Wells drilled in 1955: (estimated) oil 116, dry 54, repressuring 10, salt-water disposal 2, total 182. Fields discovered 1.

Developments during 1955.—Wilson County oil production in 1955 was slightly more than that of the previous year when 186,514 barrels was reported.

The **Coyville West** field was discovered when Time Petroleum Company completed their No. 1 Harvey well in sec. 25, T. 27 S., R. 13 E., for an oil well from the "Squirrel" sand. Data on this development are given in Table 6.

Oil production statistics for Wilson County are listed in Table 57, gas in Table 58. Locations of areas from which oil was produced in 1955 are shown on Plate 1. Data on secondary recovery projects are given in Table 1, and the areas of such production are shown on Plate 1.

WOODSON COUNTY

(Map Pl. 1)

The 1955 production: oil from 39 areas in 26 fields 861,764 barrels including approximately 149,924 barrels from secondary recovery projects; gas 47,842 thousand cubic feet. Wells drilled in 1955 (estimated total 202): recorded, oil 22, gas 1, dry 12, repressuring 1, total 36 including 1 dry wildcat. Fields discovered 1.

Developments during 1955.—Woodson County oil production in 1955 was appreciably greater than in 1954 when 755,411 barrels was reported.

The newly discovered oil field in Woodson County during 1955 is the **McWherter** field. The Swearingin and Carlson No. 1 McWherter well in sec. 35, T. 26 S., R. 13 E., is credited with initial potential of 25 barrels of oil per day from the Mississippian strata at a depth of 1,417 to 1,420 feet. Data on this development are given in Table 6.

A wildcat by L. C. Hay on the Tracy farm in the SE¼ SE¼ NE¼ sec. 2, T. 25 S., R. 13 E., resulted in a dry hole abandoned at a depth of 1,673 feet. The top of Mississippian limestone was logged at a depth of 1,630 feet.

Data on secondary recovery operations in the county are listed in Table 1. Oil production is listed in Table 57, gas in Table 58. Locations of areas from which oil was produced in 1955, the dry wildcat test, and secondary recovery operations are shown on Plate 1.

WYANDOTTE COUNTY

(Map Pl. 1)

The 1955 production: gas 5,073 thousand cubic feet.

Developments during 1955.—No drilling was reported in Wyandotte County during 1955. The reported gas production was from the **Roberts-Maywood** field, which extends into Leavenworth County. The county's gas production is listed in Table 58.

OIL PRODUCTION TABLES

For the first time, the oil production tables include the average thickness of each producing zone, the number of abandoned wells by fields, and the average gravity of the oil from each field, where known. In order to add these salient statistics, the tables have been rotated, columns running across rather than down the pages.

For some multizone fields the reported production is the actual production by zones, as tabulated by the Conservation Division, Kansas Corporation Commission, in their monthly proration orders.

The areas designated by letters of the alphabet under some eastern Kansas fields are geographical only. Producing zones are listed stratigraphically throughout Table 57.

TABLE 57.—*Oil production in Kansas during 1955*

Field name and year of discovery	Discovery well location	Area, acres	Oil production, bbls. during 1955	Oil production, bbls. to end, 1955	Producing wells	Wells abd., 1955	Producing zone Name	Depth, ft.	Thickness, ft.	Aver. grav.
ALLEN COUNTY										
Bronson-Xenia*	17-25-21E				194		"Bartlesville"	700	18	
a		2,560	258,962							
b		480	2,480							
Colony West* ('22)	15-23-18E				52		"Squirrel"	820		
a		640	3,280							
b		340	2,513							
Davis-Bronson*	24-21E				79		"Bartlesville"	720	45	
a		80	613							
b		540	18,631							
c		80	6,605							
Elsmore Shoestring ('08)	5-26-21E	1,600	58,113		131		"Bartlesville"	650	24	
Elsmore West ('11)	12-26-20E				20	1	"Bartlesville"	775	20	
a		160	3,904							
b		320	817							
Humboldt-Chanute*	26-18E				701	2	"Bartlesville"	850		
a		80	3,068							
b		6,400	144,478							
c		5,800	130,530							
d		640	8,225							
e		1,100	20,574							
Iola	24-18E				232	2	"Bartlesville"	850		
a		2,400	99,517							
b		240	8,659							
c		40	583							
d		40	492							
e		40	535							
f		10	261							
g		10	262							
h		120	2,396							
i		10	212							
j		160	3,183							

Moran ('03)	25-20E				36	1	"Bartlesville"	820	
a		800	14,014						
b		40	177						
c		40	255						
d		160	1,772						
Neosho Falls* ('28)	29-23-17E				23		"Squirrel"	950	
a		630	7,702				Mississippian	1,200	
b		10	283						
Seibert	5-26-20E	480	3,740		10		"Bartlesville"	680	
Total Allen County		26,050	806,836	17,662,473 recorded	1,478	6			

ANDERSON COUNTY

Bush City Shoestring ('21)	28-20-21E	2,750	504,461		782		"Squirrel"	620	20
Centerville* ('20)	10-21-22E	640	66,729		75		"Squirrel"	480	15
							"Bartlesville"	720	
Colony-Welda ('16)	4-23-19E				181	11	"Weiser"	600	15
a		100	9,913				"Squirrel"	780	
b		320	5,258						
c		1,280	49,281						
d		10	70						
Colony West* ('22)	15-23-18E	1,000	48,497		121		"Squirrel"	825	
Garnett Shoestring ('04)	32-20-20E				190	2	"Squirrel"	700	35
a		320	4,954				"Garnett"	800	
b		160	2,756						
c		160	1,377						
d		640	5,637						
Greeley		10	35		1				
Kincaid ('21)	10-23-21E				78		"Bartlesville"	750	12
a		640	14,878						
b		320	10,018						
Northcott			no report						
Selma ('29)	9-22-21E	320	8,256		33		"Bartlesville"	700	25
Miscellaneous			296		2				
Total Anderson County		8,670	732,416	17,043,153 recorded	1,463	13			

TABLE 57.—*Oil production in Kansas during 1955, continued.*

Field name and year of discovery	Discovery well location	Area, acres	Oil production, bbls. during 1955	Oil production, bbls. to end. 1955	Producing wells	Wells abd., 1955	Producing zone Name	Depth, ft.	Thickness, ft.	Aver. grav.
BARBER COUNTY										
Amber Creek ('52)	36-30-12W	40	7,396	8,563	3		Mississippian	4,296		30
Amber Mills ('51)	15-30-12W		no report	none			Viola	4,480		
Bloom ('55)	23-32-12W	40	3,910	3,910	1		Simpson	4,672	3	
Boggs ('46)	17-33-12W	1,500	405,520	2,744,576	39		Mississippian	4,494	6	26
							Simpson	4,806		
Brooks-Younger ('55)	23-32-13W	160	3,188	3,188	2		Mississippian	4,423	5	
Clara* ('48)	36-29-14W	40	4,827	68,831	1		Simpson	4,472		40
Deerhead ('43)	22-32-15W	640	75,318	874,356	10		Viola	4,950	9	26
DeGeer ('48)	2-33-15W	640	7,868	755,344	17		Viola	5,176	10	40
Donald ('46)	33-31-15W	80	306	2,198	2		Mississippian	4,697		
Forsyth ('55)	17-32-12W	160	2,632	2,632	1		Mississippian	4,436	10	
Goemann ('55)	29-32-10W	80	1,162	1,162	1		Mississippian	4,433	7	
Gudeman ('54)	10-35-10W	40	4,595	5,681	1		Viola	5,152	10	
Hardtner ('54)	31-34-12W	360	4,444	4,444	9		Mississippian	4,782	6	
Lake City ('37)	7-31-13W		no runs	307,865	1		Viola	4,435		
							Simpson	4,530		
							Arbuckle	4,607		
Landis ('55)	21-34-11W	80	1,467	1,467	1		Mississippian	4,630	10	25
Little Bear Creek ('54)	12-32-14W	40	1,679	1,679	3		Douglas	3,808	1	
McReynolds ('55)	30-31-10W		Abandoned during 1955			1	Mississippian	4,513	5	
Medicine Lodge ('37)	13-33-13W	1,300	35,380	83,947	13	2	Marmaton	4,664	18	37
							Misener	4,845		
Medicine Lodge North ('54)	25-32-13W	80	36,311	37,973	6		Mississippian	4,480	13	
Nippawalla ('51)	13-33-12W	80	62	153	1		Douglas	3,659		
Rhodes ('49)	15-33-11W	5,500	1,016,498	2,452,866	127	2	Mississippian	4,551		26
			3,430		1		Viola	4,803		
Rhodes East ('54)	23-33-11W		Combined with Rhodes							
Salt Fork ('54)	11-35-15W	40	434	1,577	1		Mississippian	4,982	21	25
Sharon* ('55)	13-32-10W	40	6,731	6,731	2		Mississippian	4,355	10	
Skinner ('43)	29-31-14W	4,000	68,196	1,889,586	18		Viola	4,626	38	30
							Simpson	4,422		
Stumph ('54)	7-32-14W	120	10,758	51,201	3		Simpson	4,963	7	

Sun City ('41)	35-30-15W	640	12,641	1,559,001	13		Lans.-K.C.	4,344		
Turkey Creek ('43)	20-30-15W	40	514	55,652	1		Lans.-K.C.	4,345	26	
							Simpson	4,438		
Turkey Creek North ('52)	17-30-15W	40	2,758	10,285	1		Penn. congl.	4,541	12	
Whelan ('34)	32-31-11W	1,300	127,471	3,167,646	30	1	"Chat"	4,355	27	
Whelan Southwest ('54)	11-32-12W	40	6,577	8,264	2	1	Mississippian	4,229	11	
Whelan West ('55)	25-31-12W	40	5,737	5,737	4		Mississippian	4,284	8	
Pools or fields abandoned				3,270						
Total Barber County		17,160	1,857,810	14,119,805	315	7				
				BARTON COUNTY						
Ainsworth South ('37)	10-17-13W	1,900	154,770	4,202,505	58	1	Lans.-K.C.	3,170		
							Arbuckle	3,390		
Alefs ('52)	14-19-14W	100	3,373	45,828	2	1	Lans.-K.C.	3,334	8	40
							Arbuckle	3,474	8	
Ameh ('51)	19-18-11W	80	2,549	39,448	2		Lans.-K.C.	3,103		50
Ames ('43)	22-18-11W	1,000	83,232	1,617,900	33	1	Lans.-K.C.	3,042	10	
							Arbuckle	3,348		
Ames Northwest ('47)	9-18-11W	120	4,827	42,341	1	1	Lans-K.C.	3,106	6	40
							Arbuckle	3,312		
Anton ('50)	28-19-11W		Combined with Ellinwood North							
Ash Creek* ('47)	31-20-15W		no report	471,716			Arbuckle	3,787		
Axman ('49)	19-17-14W	160	21,209	144,095	6		Lans.-K.C.	3,136	11	43
							Arbuckle	3,400		
Barrett ('43)	36-16-14W	800	16,105	218,161	7		Lans.-K.C.	3,355	5	
							Arbuckle	3,463		
Bart-Staff* ('51)	4-21-14W	600	113,675	477,880	13		Lans.-K.C.		5	40
							Arbuckle	3,572		
Batchman ('50)	19-20-12W	640	14,551	59,054	5		Arbuckle	3,459	21	35
Beaver ('34)	16-16-12W	2,400	161,249	3,844,875	46	3	Oread	2,885	6	35
							Toronto	2,938		
							Arbuckle	3,348	5	
							Reagan	3,335		
Beaver North* ('37)	4-16-12W	400	18,768	694,643	9		Arbuckle	3,316	10	39
Beaver South ('45)	27-16-12W	1,500	95,349	787,762	27	1	Lans.-K.C.	3,154		42
							"Sooy"			
							Arbuckle	3,359		
Behrens ('44)	6-20-15W	1,280	16,038	605,487	17	1	Arbuckle	3,719	4	39

TABLE 57.—*Oil production in Kansas during 1955, continued.*

Field name and year of discovery	Discovery well location	Area, acres	Oil production, bbls. during 1955	Oil production, bbls. to end. 1955	Producing wells	Wells abd., 1955	Producing zone Name	Depth, ft.	Thickness, ft.	Aver. grav.
Behrens Northeast ('55)	29-19-15W		no report	none			Arbuckle	3,639		
Bergtal ('41)	22-20-15W		no report	2,664			Arbuckle			
Bergtal South ('51)	27-20-15W		no report	108			Arbuckle	3,675		
Bernard ('50)	10-19-11W	320	35,208	258,615	12	1	Shawnee	2,866	6	38
							Lans.-K.C.	3,224		
							Arbuckle		10	
Bissell Point ('54)	10-19-13W	40	2,588	3,448	1		Lans.-K.C.	3,276	5	38
Blood Creek ('50)	9-18-13W		no report	2,077			Lans.-K.C.	3,078		
Bloomer* ('36)	36-17-11W	1,200	143,592	11,258,218	60	1	Lans.-K.C.	3,044	8	
							Arbuckle	3,257		
Boyd ('42)	4-18-14W	3,900	63,731	7,129,558	9		Lans.-K.C.	3,177		
			636,176		115	4	Arbuckle	3,438	12	
							Precambrian	3,311		
Buckbee ('49)	14-20-12W	40	2,339	22,548	1		Arbuckle	3,352	8	41
Buckbee South ('53)	23-20-12W	40	2,924	3,591	2		Arbuckle	3,373		
Buckbee Southwest ('52)	15-20-12W	500	65,226	169,129	11		Arbuckle	3,373	12	40
Capitol View ('50)	9-17-14W	640	40,971	57,086	7		Lans.-K.C.	3,230		37
							Arbuckle	3,450		
Carroll ('44)	21-17-14W	2,500	335,025	2,806,182	67		Lans.-K.C.	3,109	4	39
							Arbuckle	3,356	16	
Carroll North ('54)	17-17-14W		Combined with Capitol View							
Carroll Southwest ('47)	32-17-14W	80	3,524	59,228	4		Lans.-K.C.	3,193	8	36
Chase-Silica* ('31)	32-19-9W	22,000	1,440,010	57,469,996	418	10	Lans.-K.C.	2,955		
							Arbuckle	3,328		
Cheyenne View ('49)	12-19-12W	2,600	320,763	2,923,064	113		Lans.-K.C.	3,152	6	40
						4	Arbuckle	3,390	17	
							Penn. congl.	3,393		
Claflin ('54)	3-18-11W	40	3,427	4,391	1		Lans.-K.C.	3,044	4	
Claflin Northeast ('55)	3-18-11W	60	11,241	11,241	3		Lans.-K.C.	3,040	21	
Clarence ('53)	35-19-15W	80	1,813	4,227	1		Lans.-K.C.	3,291	6	
							Reagan	3,534		
Clarence Northwest ('54)	35-19-15W	40	9,173	18,787	1		Precambrian	3,531	12	

Davidson* ('30)	4-16-11W	120	3,820	253,376	1		Lans.-K.C.	3,016			
							"Sooy"	3,317	9		
							Arbuckle	3,314			
Dundee ('45)	29-20-14W		no runs	13,745	1	1	Arbuckle	3,507			
Eberhardt ('35)	14-19-11W	320	11,279	461,449	7		Lans.-K.C.	3,194	3		
Ellinwood North ('37)	33-19-11W	1,280	144,662	648,065	24	3	Lans.-K.C.	3,090			
			62,390		10		Arbuckle	3,328	8		
Esfeld ('47)	15-16-11W		no report	7,875			Arbuckle	3,343			
Ess ('53)	13-19-14W	80	6,540	24,953	2		Lans.-K.C.	3,326	9	38	
Fleske ('53)	3-20-15W	40	856	3,734	1		Lans.-K.C.	3,470	4	37	
Fort Zarah ('50)	30-19-12W	3,200	225,584	3,449,926	42	3	Lans.-K.C.	3,157	6	37	
			374,641		65		Arbuckle	3,384			
Fort Zarah North ('51)	19-19-12W	200	16,774	98,553	4		Lans.-K.C.	3,208	6	37	
							Arbuckle	3,436			
Frank ('52)	7-19-12W	160	1,893	14,926	2	2	Lans.-K.C.	3,322	6		
Fransen ('49)	6-20-12W		no report	295			Lans.-K.C.	3,196			
Great Bend Airport ('52)	26-19-14W	1,000	35,731	328,191	16		Lans.-K.C.	3,320	4	40	
							Arbuckle	3,473			
Great Bend East ('51)	34-19-13W		no report	1,153		1	Lans.-K.C.	3,234			
Great Bend Northwest ('55)	24-19-14W	120	1,097	1,097	1		Lans.-K.C.	3,315	13		
Great Bend Southwest ('52)	25-19-14W	180	8,273	76,552	3	1	Lans.-K.C.	3,322	4		
Great Bend West ('51)	23-19-14W	160	1,548	65,721	3	1	Lans.-K.C.	3,332	5		
Great Bend Townsite ('53)	21-19-13W	480	88,824	248,127	20		Lans.-K.C.	3,196	30	32	
			77,689		15		Arbuckle	3,441	4		
Hagan ('38)	20-20-11W	320	13,225	457,952	7	1	Arbuckle	3,323	4		
Hall-Gurney* ('31)	30-14-13W	600	195,469	1,798,417	34	1	Shawnee				
							Lans.-K.C.	3,066			
							"Sooy"				
							Arbuckle				
Hammeke ('50)	17-19-11W	160	8,135	97,983	4		Lans.-K.C.	3,065	32		
Hammeke Southeast ('50)	17-19-11W	120	5,199	70,642	3	1	Lans.-K.C.	3,089	7		
Hammer ('40)	35-19-12W	1,000	211,131	1,318,786	36		Lans.-K.C.	3,088			
							Arbuckle	3,348	8		
Hampel ('53)	34-17-15W		no report	none			Arbuckle	3,544			
Harrison ('42)	18-20-13W		no report	4,160			Arbuckle	3,520			
Hawkins ('52)	3-19-13W	320	21,582	69,488	6		Lans.-K.C.	3,158	16	40	
							Arbuckle	3,393			
Hawkins Northwest ('53)	33-18-13W	40	833	4,615	1		Arbuckle	3,428	6	40	
Heizer ('35)	16-19-14W	40	1,741	52,320	1		Lans.-K.C.	3,228	2		

TABLE 57.—*Oil production in Kansas during 1955, continued.*

Field name and year of discovery	Discovery well location	Area, acres	Oil production, bbls. during 1955	Oil production, bbls. to end. 1955	Producing wells	Wells abd., 1955	Producing zone Name	Depth, ft.	Thickness, ft.	Aver. grav.
Heizer North ('55)	9-19-14W	40	210	210	1	1	Arbuckle	3,555	8	
Heizer Northeast ('52)	15-19-14W	40	273	7,178	1		Lans.-K.C.	3,353	14	
Heizer Northwest ('55)	5-19-14W	40	1,264	1,264	1		Lans.-K.C.	3,366	4	
Heizer Southwest ('52)	21-19-14W	320	30,810	54,511	4		Lans.-K.C.	3,379		39
							Arbuckle	3,552		
Heizer West ('55)	17-19-14W	80	17,966	17,966	6		Lans.-K.C.	3,237	11	
							Arbuckle	3,546		
Herres ('55)	33-17-13W	40	24,828	24,828	10		Arbuckle	3,343	10	
Hiss ('36)	31-20-13W	1,000	73,534	781,586	16		Lans.-K.C.	3,270	5	
Hiss East ('52)	33-20-13W	80	6,925	42,317	2		Lans.-K.C.	3,383	18	
							Arbuckle	3,549		
Hiss Northeast ('53)	29-20-13W		Combined with Hiss							
Hiss South ('50)	31-20-13W	40	13,705	94,499	3		Arbuckle	3,542		31
Hiss Southeast ('48)	32-20-13W	320	12,133	163,138	8		Lans.-K.C.	3,414	16	36
							Arbuckle	3,545		
Hoisington ('38)	21-17-13W	640	62,788	1,464,822	35	1	Lans.-K.C.	3,222	4	37
							Arbuckle	3,440		
Hoisington East ('54)	23-17-13W	120	2,305	40,467	3		Lans.-K.C.	3,140	5	37
			22,394		1		Arbuckle	3,338		
Hoisington Southwest ('54)	20-17-13W	80	5,602	5,602	1		Lans.-K.C.	3,282	21	
							Arbuckle	3,363		
Homestead ('48)	22-18-13W		no report	12,720			Arbuckle	3,310		
Homestead West ('55)	21-18-13W	40	1,897	1,897	1		Arbuckle	3,300	10	
James ('54)	20-19-12W	40	1,214	5,295	1		Lans.-K.C.	3,278	6	
			Abandoned during 1955							
Jettie ('54)	27-20-14W	40	14,473	18,416	2		Simpson	3,534	6	
Kimpler ('55)	31-18-11W	40	19,514	19,514	3		Arbuckle	3,413	6	
Klepper ('51)	2-19-11W	640	24,497	147,077	8		Lans.-K.C.	3,220		38
Klug ('46)	28-17-13W	80	2,951	46,936	2		Arbuckle	3,414	7	28
Klug North ('48)	27-17-13W	120	16,352	137,324	3		Arbuckle	3,377	10	37
Koopman ('53)	23-19-13W	40	6,946	20,469	1		Lans.-K.C.	3,220	3	37
							Arbuckle	3,398	11	

Kowalsky* ('41)	32-20-11W	1,400	231,432	1,366,095	41		Lans.-K.C.	3,185	4	49
							Arbuckle	3,378		
Kraft-Prusa* ('37)	10-17-11W	26,100	4,042,291	79,758,335	774	18	Shawnee	2,885		
							Douglas	2,997		
							Lans.-K.C.	3,160		
							Gorham	3,335		
							Arbuckle	3,281		
							Reagan	3,310		
							Precambrian			
Kraft-Prusa Northeast ('41)	36-16-11W	260	17,514	378,711	7		Lans.-K.C.	3,250	8	
							Arbuckle	3,351		
Kramp ('52)	7-19-11W		Combine with St. Peter				Lans.-K.C.	3,243		
							Arbuckle	3,351		
Lake Barton ('48)	21-18-13W		no report	6,861			Arbuckle	3,372		
Lanterman ('34)	15-19-11W	900	12,707	952,575	11	2	Lans.-K.C.	3,109	3	35
							Arbuckle	3,235		
Larkin ('51)	10-17-14W	200	9,853	99,269	4	2	Lans.-K.C.	3,280	6	37
Leoville ('50)	7-17-14W	700	131,264	771,423	22	2	Lans.-K.C.	3,267		38
							Arbuckle	3,464		
Liberty ('52)	23-20-14W	40	1,612	8,445	1		Lans.-K.C.	3,341	5	
Mary Ida* ('50)	31-18-10W	400	56,940	378,527	11		Lans.-K.C.	3,033		
							Arbuckle	3,272	5	36
Mary Ida North ('52)	25-18-11W	40	4,014	9,307	1		Arbuckle	3,304	7	
McCauley ('49)	34-17-13W	40	428	17,161	1		Lans.-K.C.	3,276	4	
							Arbuckle	3,366		
Meadowside* ('49)	24-18-11W	640	80,179	278,505	10		Lans.-K.C.	3,079	12	38
							Arbuckle	3,284		
Merten Northeast ('46)	36-18-15W		no report	17,637			Arbuckle	3,494		
Merten Southeast ('49)	12-19-15W		no report	26,438			Reagan	3,567		
Moses ('53)	13-20-14W	40	1,243	4,721	1		Lans.-K.C.	3,322	12	
Nuss* ('55)	5-16-14W	640	5,907	5,907	2		Lans.-K.C.	3,183	4	
Odin ('48)	3-17-12W	700	29,136	195,572	9		Arbuckle	3,321	2	31
Otis-Albert* ('35)	30-18-15W	11,000	429,412	5,481,723	131	11	Reagan	3,601		
Pawnee Rock* ('36)	13-20-16W	400	6,749	228,103	4	2	Arbuckle	3,832	16	
Pawnee Rock East ('41)	17-20-15W		no report	26,408			Arbuckle	3,814		
Peach ('52)	25-16-14W		no report	1,810			Lans.-K.C.	3,373		
Pendergast ('53)	27-19-15W	40	769	5,657	1		Lans.-K.C.	3,397	5	38
							Arbuckle	3,596		
Prairie View ('50)	20-19-11W	360	32,835	283,116	8		Lans.-K.C.	3,080	36	40

TABLE 57.—*Oil production in Kansas during 1955, continued.*

Field name and year of discovery	Discovery well location	Area, acres	Oil production, bbls. during 1955	Oil production, bbls. to end, 1955	Producing wells	Wells abd., 1955	Producing zone: Name	Producing zone: Depth, ft.	Producing zone: Thickness, ft.	Producing zone: Aver. grav.
Pritchard ('44)	34-20-14W	1,600	211,386	2,513,607	40		Lans.-K.C.	3,253	8	35
							Marmaton	3,625		
							Simpson			
							Arbuckle	3,455	3	
Pritchard Southeast* ('53)	2-21-14W	120	28,413	59,817	3		Arbuckle	3,472	18	
Putnam ('51)	7-17-13W	160	5,860	63,892	4		Lans.-K.C.	3,286	7	39
Putnam West ('51)	1-17-14W	80	7,261	40,775	2		Lans.-K.C.	3,225	8	38
Red Brick ('53)	23-19-13W	320	9,164	9,492	2		Lans.-K.C.	3,240	7	
						1	Arbuckle	3,448		
Redwing ('50)	31-17-12W	320	24,591	172,645	9		Lans.-K.C.	3,083	7	40
							Arbuckle	3,335		
Redwing East ('55)	33-17-12W	160	4,515	4,515	3		Arbuckle	3,352	2	
Redwing South ('52)	6-18-12W	40	1,796	10,482	1		Arbuckle	3,325	8	40
Reif South ('50)	31-16-12W	120	5,138	35,855	4		Lans.-K.C.	3,172	5	38
Rick* ('36)	1-19-11W	900	39,082	1,131,022	20		Lans.-K.C.	3,106		41
							Arbuckle	3,355		
Roesler* ('43)	14-18-11W	1,400	218,066	1,050,708	31		Lans.-K.C.	3,208		
							Arbuckle	3,291	7	
Rolling Green ('48)	36-20-13W		no report	16,333			Lans.-K.C.	3,257		
Rolling Green East ('49)	30-20-12W	160	12,591	20,546	4		Arbuckle	3,491	6	
Rowland ('49)	32-17-13W		no report	10,560		1	Arbuckle	3,323		
Rusco ('50)	8-19-12W		no report	7,582			Arbuckle	3,417		
St. Peter ('44)	5-19-11W	1,280	351,802	922,025	45	2	Lans.-K.C.	3,121	3	
							Arbuckle	3,387		
Sandford ('51)	25-17-14W	120	5,520	39,706	2	1	Arbuckle	3,375	19	
Sandrock ('51)	21-20-13W	800	77,812	267,948	13		Lans.-K.C.	3,412	8	
Sandrock Southeast ('54)	34-20-13W	40	1,730	2,043	1	1	Lans.-K.C.	3,262	18	
Silica South* ('35)	24-20-11W	3,000	947,845	24,574,457	141	5	Douglas	2,950		
							Lans.-K.C.	3,035		
							Arbuckle	3,268		
South Bend ('54)	9-20-13W	40	34,175	34,639	7	8	Lans.-K.C.	3,317	8	48
Sunflower ('49)	8-17-12W		no report	1,969			Arbuckle	3,376		

Sunnyside ('53)	33-20-11W		no report	none			Lans.-K.C.	3,186		
Sunny Valley ('49)	7-20-12W	160	12,955	310,731	5		Lans.-K.C.	3,230	9	
Sunny Valley Northeast ('54)	6-20-12W	200	41,480	67,064	7	2	Arbuckle	3,422	12	
Sunny Valley Southwest ('54)	23-20-13W	40	6,035	6,852	1		Lans.-K.C.	3,336	5	35
Templing ('55)	23-16-14W	320	2,770	4,159	1		Lans.-K.C.	3,332	8	
			1,389		1		Arbuckle	3,402		
Trapp* ('36)	23-15-14W	12,860	1,390,816	50,359,331$	378	21	Shawnee	2,889		
							Douglas	2,966		
							Lans.-K.C.	3,062		
							Arbuckle	3,252		
Underwood ('50)	15-17-13W		no report	9,904		1	Lans.-K.C.	3,173		
							Arbuckle	3,342		
Unruh ('45)	24-20-15W	640	11,397	197,495	9		Arbuckle	3,641	3	
Walnut Creek ('52)	8-19-13W	40	749	6,271	1		Lans.-K.C.	3,347	7	39
Wearne ('51)	4-20-12W		no runs	6,126	1		Arbuckle	3,384		
Weikert ('53)	36-18-12W	120	9,891	39,273	3		Lans.-K.C.	3,169	7	42
Werner-Robl ('51)	30-19-11W	1,500	34,452	216,039	11	2	Lans.-K.C.	3,106	16	38
							Arbuckle	3,364		
Workman ('44)	33-20-12W	200	68,218	194,439	8		Arbuckle	3,407	3	
Zimmer ('53)	28-19-15W		no report	none			Arbuckle	3,631		
Pools or fields abandoned				155,557						
Total Barton County		129,520	14,366,110	281,002,155	3,271	33				

BOURBON COUNTY

Bronson-Xenia*	17-25-21E				40		"Bartlesville"	665		
a		40	3,384							
b		640	239							
c		640	3,611							
Davis-Bronson*	23-21E				61		"Bartlesville"	560		
a		320	1,110							
b		640	7,782							
Hepler* ('17)	27-22E				33	1	"Bartlesville"			
a		40	538							
b		440	18,169							
Miscellaneous			41		1					
Total Bourbon County		2,760	34,874	833,228 recorded	135	1				

TABLE 57.—*Oil production in Kansas during 1955, continued.*

Field name and year of discovery	Discovery well location	Area, acres	Oil production, bbls. during 1955	Oil production, bbls. to end, 1955	Producing wells	Wells abd., 1955	Producing zone Name	Depth, ft.	Thickness, ft.	Aver. grav.
BROWN COUNTY										
Livengood ('44)	3-1-15E	40	1,416	87,736 recorded	1		"Hunton"	2,580		
BUTLER COUNTY										
Allen-Robison ('43)	1-26-3E	640	24,562		31		Mississippian	2,700		
Augusta ('14)	21-28-4E			38,537,262	185	6	Lansing	1,700		
a		40	1,568				Kansas City	2,000		
b		5,800	398,645				Marmaton	2,200		
							Ordovician	2,445		
							Arbuckle	2,600		
Augusta North ('14)	28-27-4E	1,280	120,087	14,936,885	71		Lansing	1,650		
							Kansas City	1,950		
							Ordovician	2,380		
							Arbuckle	2,410		
Bare ('52)	31-28-5E	40	309	2,966	1		"Bartlesville"	2,778	11	
Bausinger ('29)	24-27-3E	160	2,668		2		Simpson	3,050		
Benton ('25)	26-3E				2		"Chat"	2,965		
a		40	1,611							
b		40	1,550							
Blankenship* ('21)	26-8E			3,362,071	108	3	"Bartlesville"	2,650	50	
a		1,100	438,129							
b		40	642							
c		160	5,672							
Brandt-Sensenbaugh ('25)	22-28-7E			1,928,253	37	1	"Chat"	2,692		
a		1,280	37,949							
b		120	3,555							
Brickley ('51)	2-27-7E	320	7,530	89,962	6		"Chat"	2,692	19	
Brickley Southwest ('52)	3-27-7E	160	836	7,612	1		"Bartlesville"	2,699	33	
Butwick* ('49)	7-26-3E	160	3,318	87,776	2	2	Mississippian	2,860		

Butwick Northeast ('49)	7-26-3E		no report	4,269		1	"Chat"	2,820	
Combs* ('47)	5-30-5E	320	16,064		5		"Bartlesville"	2,820	
							Mississippian	2,850	
Combs Northeast ('48)	27-29-5E	160	3,921	30,008	3		"Bartlesville"	2,810	
DeGraff ('55)	8-24-5E	10	537	537	1		"Burgess"	2,440	
DeMoss ('34)	8-28-7E	500	18,387		22		"Bartlesville"	2,650	
							"Burgess"	2,680	
Dixon ('46)	12-27-6E	40	1,383	14,183	1		Kansas City	2,160	
							Mississippian		
Douglass ('16)	21-29-4E				9		Lans.-K.C.	1,790	
a		80	2,787				Ordovician	3,000	
b		320	6,128						
Eckel ('40)	7-27-7E	40	1,858	63,335	1		Lans.-K.C.	2,190	
Edgecomb ('51)	9-25-3E	160	4,492	17,322	2		Mississippian	2,759	
Edmonds		20	1,577	2,009	1				
Elbing* ('18)	18-23-4E				76		Kansas City	2,120	
a		480	34,870				Mississippian	2,400	
b		720	283,792				Viola	2,530	
Elbing East* ('50)	27-23-4E	160	1,920	30,871	2	1	Lans.-K.C.	1,799	
El Dorado ('15)	29-25-5E	22,400	4,231,941	223,390,915	1,823	102	Lansing	1,700	
							Kansas City	2,000	
							Viola	2,500	
							Simpson	2,510	
							Arbuckle	2,550	
Ferrell ('39)	28-28-8E	640	46,507	1,415,698	34	1	Mississippian	2,647	
Four Mile Creek ('51)	5-28-3E	240	24,740	179,520	8		Simpson	3,069	3
Fox-Bush ('17)	24-29-5E	4,500	659,364	4,210,272	119	3	"Bartlesville"	2,730	25
Fox-Bush West ('53)	15-29-5E	240	4,939	19,530	3		"Bartlesville"	2,837	11
Garden ('25)	32-26-6E	320	10,871		12		"Bartlesville"	2,760	
Guyot ('48)	5-29-5E		no report	11,890			"Bartlesville"	2,800	
Hannah ('36)	29-8E	160	4,081	25,212	1		Kansas City	2,120	
Haverhill ('27)	34-27-5E	820	64,893	4,496,337	56		"Bartlesville"	2,700	
Hazlett	24-5E	1,600	143,114	1,375,682	79	1	Mississippian	2,480	
Hickory Creek ('46)	11-28-5E	320	26,354	940,168	26		"Bartlesville"	2,685	
							Mississippian	2,700	
Joseph ('47)	18-24-5E		no report	4,364			"Chat"	2,491	
Keighley ('25)	22-27-7E	800	30,665		16		"Bartlesville"	2,650	
							Simpson	3,148	

TABLE 57.—*Oil production in Kansas during 1955, continued.*

Field name and year of discovery	Discovery well location	Area, acres	Oil production, bbls. during 1955	Oil production, bbls. to end, 1955	Producing wells	Wells abd., 1955	Producing zone Name	Depth, ft.	Thickness, ft.	Aver. grav.
Kramer-Stern ('26)	3-28-6E	1,750	199,595		69		Lans.-K.C.			
							Simpson	3,020		
							Arbuckle	3,040		
Leon ('22)	19-27-6E	640	31,286	3,548,138	23		"Chat"	2,660		
							"Bartlesville"			
							Viola	3,050		
Long ('49)	15-26-7E	160	1,861	19,219	2		Mississippian	2,780		
Long Northeast ('53)	11-26-7E	160	2,502	5,898	1		Mississippian	2,753	5	
Lucas ('46)	6-27-8E	480	16,333		7	1	"Bartlesville"	2,680		
McCann (revived) ('33)	7-25-3E	20	774	774	1		"Burgess"	2,765		
McCullough ('29)	1-28-6E		no report	491,566			Simpson	3,169		
Mt. Tabor ('53)	36-29-4E	480	31,963	91,759	11		"Bartlesville"	2,757	8	
Muddy Creek ('50)	13-29-4E	1,280	121,016	533,138	33		"Bartlesville"	2,813		
Murdock ('52)	23-25-3E	40	1,887	3,992	1		Mississippian	2,709	10	
Parsley ('49)	3-26-3E	160	6,936	109,841	5		Mississippian	2,700		
Pettit ('26)	17-28-6E		no report				Simpson	3,180		
Pierce ('26)	28-25-4E	800	69,493		30	1	"Chat"	2,550		
Pierce Northwest ('54)	21-25-4E	320	16,395	35,451	8		Mississippian	2,569	14	
Pierce West ('51)	20-25-4E	80	2,905	23,853	2		Mississippian	2,515	29	
Potwin ('17)	31-24-4E	3,200	148,937	8,209,645	114		Kansas City	2,550		
						1	Mississippian	2,660		
Reynolds-Schaffer ('22)	9-27-6E	3,200	148,141		68		Kansas City	2,375		
							Mississippian	2,780		
							Viola	3,141		
Rombold ('49)	4-26-3E	40	4,828	39,988	1		Mississippian	2,770		
Salter ('46)	23-28-3E	480	76,789	1,342,684	24		Simpson	3,000		
Seward ('26)	27-27-7E	320	20,632	1,125,716	11	1	"Bartlesville"	2,650		
Shinn ('46)	19-29-8E	320	81,785	681,295	15		Mississippian	2,766		
Smock-Sluss ('17)	2-27-5E				54	1	"Bartlesville"	2,700	35	
a		1,800	92,890				Viola	3,000		
b		80	887							
c		480	24,525							

Snowden-McSweeney ('30)	34-28-6E	1,800	306,998		91	1	Lans.-K.C.	2,060
							"Peru"	2,404
							"Bartlesville"	2,810
							Mississippian	2,833
Steinhoff ('26)	28-29-6E	160	5,691		2		Mississippian	2,803
Towanda ('48)	5-26-4E	320	268,129	1,948,869	33		Mississippian	2,400
							Viola	2,460
Whitewater ('49)	32-25-4E	320	30,060	332,663	13	1	Viola	2,625
Whitewater North ('51)	29-25-4E		no report	6,135			Viola	2,700
Womack ('47)	19-28-6E		no report				"Bartlesville"	2,620
							Kansas City	2,190
Young ('20)	27-26-7E				47		Mississippian	2,650
a		950	67,370					
b		640	14,954					
Total Butler County		66,910	8,469,378	405,675,138 recorded	3,412	128		
CHASE COUNTY								
Atyeo* ('25)	30-21-10E	40	5,242		2		"Bartlesville"	2,250
Bazaar ('51)	36-20-8E		no report				Lans.-K.C.	1,823
Teeter* ('20)	16-23-9E	640	27,499		25		"Bartlesville"	2,500
Total Chase County		680	32,741	270,564 recorded	27			
CHAUTAUQUA COUNTY								
Borroum ('26)	20-34-9E	160	3,225		5	1	Marmaton	1,780
Brown-Sturgis	33-11E		no report					
Elgin	34-10E				208	7	"Peru"	1,520
a		900	9,155					
b		900	27,729					
c		640	5,745					
d		10	426					
e		640	13,098					
Elk City ("Stark")	13-32E	160	1,210		3			
Frazier	33-13E	480	4,502		6		"Peru"	1,520
Hale-Inge* ('07)	32-12E				66	4	"Peru"	1,160
a		320	1,563					
b		1,800	33,036					

TABLE 57.—*Oil production in Kansas during 1955, continued.*

Field name and year of discovery	Discovery well location	Area, acres	Oil production, bbls. during 1955	Oil production, bbls. to end, 1955	Producing wells	Wells abd., 1955	Producing zone Name	Depth, ft.	Thickness, ft.	Aver. grav.
Hoover	32-13E		no report							
Hylton	32-9E		no report							
Kingston ('26)	18-32-11E	160	772		3		"Chat"	1,850		
							Arbuckle	2,176		
Landon-Floyd ('36)	23-32-10E	640	15,434		30	1	Mississippian	2,000		
Leniton	33-10E	640	46,415		26					
Leonard		40	991		2					
Lowe	34-10E				3					
a		10	82							
b		40	1,049							
McAllister ('25)	28-32-10E	80	6,501		2	2				
McGlasson ('47)	11-33-9E		no report							
Malone	18-32-10E	160	4,707		3	1	Ordovician	2,340		
Niotaze	34-13E				55		"Redd"	690		
a		120	1,741				"Peru"	825		
b		20	143							
c		900	10,672							
Oliver ('35)	32-11E	900	14,637		18					
Peru-Sedan ('00)	34-11E					32	"Peru"	1,200	25	
a		480	16,404				Mississippian	2,000		
b		720	24,326							
c		640	1,731							
d		4,350	87,206							
e		12,800	376,731							
f		640	4,607		1,904					
g		840	20,577							
h		1,280	23,049							
i		80	997							
j		40	618							
k		10	12							
l		480	9,066							
m		40	370							

n		1,650	137,790						
o		80	725						
p		640	26,896						
q		640	2,681						
r		80	1,334						
Ramsey		20	364		1				
Wauneta	34-9E	80	1,106		2		"Peru"	1,670	
							Mississippian	2,100	
Wayside-Havana* ('04)	34-13E	320	5,232		27		"Wayside"	575	
							"Weiser"	700	
							"Bartlesville"	1,200	
Wiggam	34-32-10E	160	2,338		6		"Weiser"	1,600	
Miscellaneous			435		3				
Total Chautauqua County		35,750	947,428	45,845,723 recorded	2,373	48			
CHEYENNE COUNTY									
Judy ('51)	26-1-39W		no report	none			Marmaton	4,497	
CLARK COUNTY									
Ashland ('51)	35-32-23W	160	8,151	70,770	3		Lans.-K.C.	4,673	42
							Viola	6,526	
Harper Ranch ('53)	9-34-21W	3,600	400,996	520,092	31		Morrowan	5,437	
Morrison Northeast ('54)	10-32-21W		no report	none			Morrowan	5,193	14
McKinney* ('50)	2-34-26W	100	638	1,998	2		Mississippian	5,762	
Snake Creek ('52)	21-34-21W	40	1,104	1,104	1		Morrowan	5,452	
Total Clark County		3,900	410,889	593,964	37				
CLAY COUNTY									
Wakefield ('51)	21-9-4E		no report	none			Mississippian	1,904	
Wakefield Northeast ('51)	15-9-4E		no report	none		2	Mississippian	1,793	
COFFEY COUNTY									
Dunaway* ('22)	34-22-13E	600	14,147		20	1	"Burgess"	1,850	
Evans	23-15E	40	197		1		Mississippian	1,878	
							Ordovician	2,200	

TABLE 57.—*Oil production in Kansas during 1955, continued.*

Field name and year of discovery	Discovery well location	Area, acres	Oil production, bbls. during 1955	Oil production, bbls. to end, 1955	Producing wells	Wells abd., 1955	Producing zone Name	Depth, ft.	Thickness, ft.	Aver. grav.
Finnerty ('53)	12-21-13E	320	20,403		6		"Burgess"	1,728	11	
Hatch		20	165		1					
"Lawrence"		40	2,151		4					
Leroy ('05)	35-22-16E				157	8				
a		2,000	86,622							
b		10	60							
Leroy North	22-16E				17					
a		320	11,484							
b		160	1,010							
"Parmely"		80	620		3					
Van Noy ('17)	7-23-15E	300	5,440		14	5	"Peru"	1,170	12	
							Mississippian	1,540	16	
Virgil North* ('20)	22-23-13E	900	36,429		64	1	"Bartlesville"	1,585		
							Mississippian	1,838		
Winterscheid* ('20)	23-14E	480	10,752		18		"Bartlesville"	1,630		
							Mississippian	1,750		
Miscellaneous			119		1					
Total Coffey County		5,270	189,599	1,786,300 recorded	306					
COMANCHE COUNTY										
Robbins Ranch ('53)	23-31-16W	100	825	1,089	2		Mississippian	4,915		
Mule Creek ('55)	5-31-18W	160	1,620	1,620	1		Mississippian	5,066	5	
Total Comanche County		260	2,445	2,709	3					
COWLEY COUNTY										
Arkansas City Southwest ('54)	35-34-3E		no report	402			"Hoover"	1,981	6	
Arkansas City West ('52)	23-34-3E		Combined with Harvey				"Bartlesville"	3,231	4	
Bergkamp ('52)	6-35-4E	480	57,052	332,547	16		"Bartlesville"	3,202	23	
Bergkamp Northwest ('52)	6-35-4E		no report	619			"Bartlesville"	3,208	3	

Biddle ('22)	7-32-5E				14		Kansas City	2,000	20
a		120	4,357				"Stalnaker"	2,300	
b		120	5,577						
Bogner ('52)	24-31-5E		no report	1,450			Mississippian	2,999	54
Box ('48)	28-30-7E	240	17,171	199,723	10		Mississippian	2,840	15
Brandenburg ('55)	3-35-3E	40	5,582	5,582	1		Simpson	3,664	7
Brown ('22)	13-31-7E		no report	246,000			Kansas City	2,100	
Bruce ('50)	9-30-4E	40	4,559	40,176	2		Arbuckle	3,306	
Burden ('26)	31-31-6E	640	23,756		39	1	"Bartlesville"	2,900	35
Burden East ('53)	33-31-6E	600	144,001	447,127	28		"Layton"	2,194	
Burden Townsite ('54)	34-31-6E	40	2,898	2,898	3		"Layton"	2,212	10
Cabin Valley ('52)	31-33-6E	480	215,052	361,466	32		"Layton"	2,188	9
Canfield ('52)	13-34-3E	900	30,418	180,726	17	3	"Layton"	2,651	4
							"Bartlesville"	3,375	
							Lans.-K.C.	2,839	
Cedarvale ('53)	9-34-8E	20	412	2,066	1		Mississippian	2,365	10
Centennial ('53)	12-33-3E	20	310	3,841	1	1	"Bartlesville"	3,267	4
Centennial North ('53)	1-33-3E	20	1,636	6,766	1		"Bartlesville"	3,256	4
Church ('54)	13-31-6E	160	4,537	9,006	2		Mississippian	2,935	12
Churchill Northeast ('55)	18-31-3E	20	754	754	1		Kansas City	2,420	
Clark ('14)	6-31-4E				15		"Bartlesville"	2,840	20
a		160	18,139						
b		160	53,911						
Clover	31-7E		no report	20,574			Kansas City	2,200	
							Mississippian	2,800	
Combs* ('47)	5-30-5E	320	37,367	419,713	12		"Bartlesville"	2,823	20
							Mississippian	2,850	
Copeland ('52)	5-35-4E		no report	117			Mississippian	3,211	13
Couch ('37)	13-30-5E	1,200	116,476	2,147,312	67		"Bartlesville"	2,800	15
Countryman ('25)	4-33-7E	800	22,665		18		"Layton"	1,950	12
							Mississippian	2,870	
David ('35)	35-30-4E			2,876,470	161		"Bartlesville"	2,900	40
a		1,800	627,330				Arbuckle	3,463	
b		40	18,708						
Deichman ('41)	24-31-4E	640	17,669	37,976	32		"Bartlesville"	2,900	35
							Mississippian	3,000	
Dexter ('14)	33-6E	20	3,523		1		Mississippian	2,750	
Doane ('47)	36-33-6E		no report	12,420			Mississippian	2,878	
							Arbuckle	3,140	

TABLE 57.—*Oil production in Kansas during 1955, continued.*

Field name and year of discovery	Discovery well location	Area, acres	Oil production, bbls. during 1955	Oil production, bbls. to end, 1955	Producing wells	Wells abd., 1955	Producing zone Name	Depth, ft.	Thickness, ft.	Aver. grav.
Donelson ('55)	21-34-7E	20	1,259	1,259	1		Kansas City	2,610		
Dunbar		20	5,026	5,026	1					
Dutch Creek ('52)	35-31-4E		no report	486			"Bartlesville"	2,924	14	
Eastman ('24)	5-31-6E	640	43,001		23		"Bartlesville"	2,890	20	
Elrod	4-32-5E	20	4,777		1		"Layton"	2,411		
Enterprise ('48)	35-33-3E		no report				"Bartlesville"	3,285		
Enterprise Northeast ('52)	35-33-3E	160	5,185	34,519	3		"Bartlesville"	3,335	12	
Enterprise Southwest ('53)	3-34-3E	20	1,125	4,123	1		"Bartlesville"	3,360	10	
Estes ('54)	12-32-6E			13,047	8		"Layton"	2,190	13	
a		10	105							
b		160	7,847							
Falls City ('16)	35-7E		no report	1,272,687			"Layton"	2,000	112	
Falls City West ('55)	13-35-6E	20	314	314	1		Mississippian	2,996		
Ferguson Northwest ('50)	16-30-8E	160	5,694	30,803	3		Kansas City	2,200		
Ferguson West ('34)	21-30-8E	80	783		3		Kansas City	2,180		
Frog Hollow ('37)	20-32-5E	640	110,920	4,626,176	44		"Bartlesville"	3,000	20	
Frog Hollow East ('41)	15-32-5E	320	8,343	287,020	6		"Bartlesville"	3,000	8	
Geuda Springs	5-34-3E	640	168,063	1,166,507	69	2	"Bartlesville"	3,300	14	
							"Chat"	3,345	25	
							"Cleveland"	2,984	2	
Gibson ('41)	29-34-3E	1,650	581,917	2,054,008	97		"Bartlesville"	3,350		
							Mississippian	3,400		
							Simpson	3,774	6	
							Arbuckle	3,780	11	
Graham ('24)	3-33-3E	420	3,211	2,807,477	8	4	"Layton"	2,550	15	
							Arbuckle	3,518	5	
Grand Summit* ('26)	4-31-8E	20	647		6		Kansas City	2,000	19	
Grouse Creek ('51)	16-30-7E	160	6,559	12,630	3		Mississippian	2,890		
Harvey ('52)	23-34-3E	1,600	117,822	968,737	67	8	"Layton"	2,574	18	
							"Bartlesville"	3,278		
Henderson ('42)	26-32-3E	80	640	133,885	2		Kansas City	2,690	9	
							Arbuckle	3,419		

Hittle ('26)	28-31-4E	900	115,271	9,433,221	39	7	Kansas City	2,400	20
							Arbuckle	3,280	
Jarvis	13-33-5E		no report						
McKay ('51)	17-35-4E	640	51,078	339,741	19		"Bartlesville"	3,314	
Mansur ('49)	25-31-6E	320	7,656	88,303	7		"Layton"	2,170	16
Millett ('45)?	31-34-3E		Portions combined with Hilltop and State Line						
Murphy* ('33)	7-35-3E	900	85,479		34	2	"Bartlesville"	3,450	10
							"Chat"	3,500	
Nigger Creek ('51)	22-34-3E	20	1,135	6,568	1	1	"Bartlesville"	3,281	
Nitsche ('54)	24-32-6E		Abandoned during 1955				"Layton"	2,209	7
Otto ('27)	25-34-6E				5		"Chat"	3,017	50
a		40	1,228						
b		80	2,492						
"Priest"	7-33-6E		no report	98					
Pudden	16-35-4E	20	500		1		Lans.-K.C.	2,332	
Quarry ('54)	28-34-5E	320	14,090	18,634	3		"Cleveland"	2,684	18
Rahn ('39)	13-34-5E	900	331,355	2,002,883	41	1	"Bartlesville"	2,906	30
Rahn Northeast ('49)	27-33-6E	80	3,991	68,440	5		"Bartlesville"	2,902	
Rahn Southwest ('43)	28-34-5E		no report	4,591			"Bartlesville"	3,019	
Rainbow Bend ('23)	20-33-3E	1,600	236,518	16,390,764	106	1	"Burgess"	3,200	50
Rainbow Bend Northeast ('45)	15-33-3E	160	14,556	63,925	5	1	"Bartlesville"	3,213	50
Rainbow Bend Southwest ('54)	31-33-3E	40	2,311	4,298	1		Mississippian	3,356	18
Rainbow Bend West*	19-33-3E	160	31,955		5		"Burgess"	3,200	50
							Arbuckle	3,550	
Rock ('23)	15-30-4E	2,400	363,101	4,324,556	110		"Bartlesville"	2,800	30
Rock North ('37)	3-30-4E	240	24,635	208,644	6		"Bartlesville"	2,800	
School Creek ('47)	15-32-7E		no report	27,677			"Bartlesville"	2,800	
School Creek North ('53)	10-32-7E	640	288,144	369,397	32		"Layton"	2,114	6
Seacat ('44)	26-33-4E	480	9,465	48,086	5		Mississippian	3,100	
Silver Creek ('53)	12-32-5E	320	13,791	27,651	8		"Bartlesville"	3,050	8
Slick-Carson ('24)	19-32-3E	240	37,345	3,684,891	15		"Layton"	2,600	
							"Bartlesville"	3,150	
							Arbuckle	3,450	
Smith ('17)	31-3E	160	10,268		4		"Bartlesville"	3,050	
State ('26)	15-32-4E	750	41,899		13	1	"Layton"	2,400	12
							Arbuckle	3,300	
Stayton ('49)	32-32-4E	640	15,829	125,749	8	1	"Bartlesville"	3,100	8
Stayton South ('53)	5-33-4E	40	5,638	26,095	2		"Bartlesville"	3,165	23

TABLE 55.—Oil production in Kansas during 1955, continued.

Field name and year of discovery	Discovery well location	Area, acres	Oil production, bbls. during 1955	Oil production, bbls. to end, 1955	Producing wells	Wells abd., 1955	Producing zone Name	Depth, ft.	Thickness, ft.	Aver. grav.
Thurlow ('27)	8-33-3E	320	7,279		9		Simpson	3,500	5	
Trees ('35)	19-30-4E	720	23,424		24		"Bartlesville"	2,875	25	
Turner ('37)	30-32-6E	40	2,749	290,450	2		"Layton"	2,232	15	
Turner North ('48)	18-32-6E		no report	469			"Layton"			
Turner West ('53)	23-32-5E	20	1,324	7,119	1		Mississippian	3,054		
Udall	30-3E	160	16,616		4	1	Arbuckle	2,850		
Walnut Bend	11-34-4E	120	4,060		2					
Weathered ('35)	28-31-3E	640	43,240	2,819,214	25		"Stalnaker"	2,080	15	
							Lans.-K.C.	2,480	12	
							Mississippian	3,020	8	
							Arbuckle	3,250	5	
Wilson (revived) ('38)	9-33-6E	20	407		1		Mississippian	3,072		
Winfield ('14)	32-5E	2,000	384,620		95		Admire	600		
							"Peacock"	1,400	15	
							"Layton"	2,300	20	
							"Bartlesville"	3,050	12	
							Arbuckle	3,300	5	
Wilmot-Floral	31-5E	20	154		1		"Bartlesville	2,910		
Winfield South ('45)	1-33-4E	320	12,497	68,104	8		"Hoover"	1,400		
Miscellaneous			539		1					
Total Cowley County		32,220	4,713,727	83,538,780 recorded	1,871	35				
CRAWFORD COUNTY										
Fair Oak	33-28-22E				40		"Bartlesville"	400		
a		1,500	11,809							
b		40	1,521							
Hepler* ('17)	27-22E	10	150		1		"Bartlesville"			
"Houston"	3-31-22E	40	2,065		12					
McCune ('29)	30-22E				275	1	"Bartlesville"			
a		480	8,520							
b		1,700	21,810							

"Steimel"	35-29-21E	10	106		5					
St. Paul-Walnut*	28-21E				14		"Bartlesville"	425		
a		480	5,117							
b		10	70							
Walnut Southeast	28-22E	1,480	2,269		42	2	"Bartlesville"	400	15	
Miscellaneous			201		2					
Total Crawford County		5,750	53,638	718,660 recorded	391	3				
DECATUR COUNTY										
Adell Northwest ('52)	34-5-27W	640	106,040	440,260	13		Lans.-K.C.	3,664	54	39
Feely ('52)	2-5-27W	200	33,777	109,796	6		Lans.-K.C.	3,590	14	39
Hardesty ('52)	22-5-27W	640	51,654	155,007	8		Lans.-K.C.	3,642	15	39
Jennings ('51)	25-4-27W	860	83,076	265,102	18		Wabaunsee	3,156	7	38
							Lans.-K.C.	3,478	4	
Jorn ('55)	29-2-28W	40	2,911	2,911	1		Lans.-K.C.	3,562	8	
Jorn East ('55)	27-2-28W	40	1,663	1,663	1		Lans.-K.C.	3,658	4	
Monaghan ('52)	15-2-27W	160	16,576	40,931	4		Lans.-K.C.	3,514	55	32
Pollnow ('53)	4-3-29W	200	52,361	106,352	9		Lans.-K.C.	3,734	7	37
Pollnow Northwest ('54)	31-2-29W	Abandoned during 1955					Lans.-K.C.	3,772		
Pollnow West ('53)	5-3-29W	Combined with Pollnow								
Total Decatur County		2,780	348,058	1,122,022	60					
DICKINSON COUNTY										
Ash Grove ('54)	5-15-1E	480	39,474	46,887	6		Mississippian	2,569	3	
Bonaccord ('43)	30-14-1E	10	1,026	37,478	1		"Burgess"	2,483	2	
Lost Springs*	16-4E	1,200	72,108		42		"Chat"	2,300		
Lost Springs North ('45)	22-16-4E	80	836	103,569	2	1	"Chat"	2,300	33	
Lost Springs Northeast ('47)	26-16-4E	160	11,099	36,340	7		"Chat"	2,300		
Lost Springs Northwest ('55)	20-16-4E	160	18,177		3		Mississippian	2,267		
Total Dickinson County		2,090	142,720	1,046,985	61	1				

TABLE 57.—*Oil production in Kansas during 1955, continued.*

Field name and year of discovery	Discovery well location	Area, acres	Oil production, bbls. during 1955	Oil production, bbls. to end, 1955	Producing wells	Wells abd., 1955	Producing zone Name	Depth, ft.	Thickness, ft.	Aver. grav.
DOUGLAS COUNTY										
Baldwin* ('19)	12-15-20E				19		"Squirrel"	800		
a		120	1,763							
b		500	9,018							
Eudora South		10	72		1					
Total Douglas County		630	10,853	77,511 recorded	20					
EDWARDS COUNTY										
Bradbridge ('48)	2-24-16W	120	8,029	102,871	3		Arbuckle	4,020		
Embry ('53)	23-24-16W	80	3,398	12,791	2		Lans.-K.C.	3,789	4	32
Enlow ('53)	9-24-16W	280	66,655	125,960	8		Lans.-K.C.	3,736	7	27
Kirk ('55)	26-26-16W		no report	none			"Kinderhook"	4,481	20	
Sturgeon ('54)	33-26-18W	40	10,640	11,980	2		Lans.-K.C.	4,223	5	38
							Viola	4,721		
Pools or fields abandoned				102,496						
Total Edwards County		520	88,722	356,098	15					
ELK COUNTY										
Arbuckle	31-9E	240	6,819		4					
Bush-Denton ('20)	4-30-9E	900	21,111		33		"Stalnaker"	1,060	10	
							"Peru"	2,135		
							"Burgess"	2,300	5	
"Clubine"	30-10E	40	2,144		1					
Collyer ('24)	30-30-11E	160	7,910		9		Kansas City	1,286	10	
							Fort Scott	1,518		
Dory	18-30-9E	120	1,858		1		Mississippian	2,570		
Dunkleberger ('20)	34-29-10E	480	85,035		27	1	Kansas City	1,300	10	
							Mississippian	1,970		
Elk City	31-13E	240	2,186		5					

Ferguson East	23-30-8E	10	156		1		Ordovician	2,900	
Fleming ('50)	8-29-9E	10	831		1		Arbuckle	2,656	
Grand Summit*	3-31-8E	240	14,144		11		Kansas City	2,000	
Hale-Inge* ('07)	31-12E				48		"Peru"	1,160	
a		640	4,451						
b		40	571						
c		160	4,431						
Key	31-10E	20	311		1				
"Kinzey"	31-13E		no report						
Kipfer	29-13E	40	1,268		1				
Logsden	31-9E	160	10,393		3	1			
Logsden Northeast	31-9E		no report	none					
Longton	31-12E	120			27				12
a			4,007						
b			3,744						
Longton North	29-12E		no report			1			
Love	30-9E	160	1,945		2		Mississippian	2,370	
Moline ('28)	9-31-10E		no report				"Burgess"	2,000	
							Mississippian	2,030	
New Albany	29-13E				3	2	"Wayside"	560	20
a		160	4,192						
b		80	2,376						
Oak Valley	31-13E		no report						
Perkins	1-30-9E	120	2,794		2				
Porter ('23)	29-8E	240	54,952		9		Kansas City	2,050	10
							Arbuckle	3,000	4
Rettig	31-10E	40	3,765		2				
Schrader ('28)	12-31-8E	320	25,287		12		Kansas City	1,520	22
Severy* ('22)	8-28-11E	10	236		1		Kansas City	1,200	13
Starr ('37)	12-31-9E	120	2,468		3		Mississippian	2,330	
Walker ('27)	5-31-10E	40	1,183		3		Kansas City	1,550	
							Mississippian	2,225	
Ware ('55)	5-31-9E	40	2,824		2		Kansas City	1,671	
Webb ('25)	23-31-10E	640	28,047		65	1	Kansas City	1,300	
							Fort Scott	1,650	
							Mississippian	1,975	
							Arbuckle	2,300	
Miscellaneous			5,872		4				
Total Elk County		5,450	304,877	14,651,679 recorded	281	6			

TABLE 57.—*Oil production in Kansas during 1955, continued.*

Field name and year of discovery	Discovery well location	Area, acres	Oil production, bbls. during 1955	Oil production, bbls. to end, 1955	Producing wells	Wells abd., 1955	Producing zone Name	Depth, ft.	Thickness, ft.	Aver. grav.
				ELLIS COUNTY						
Antonino ('47)	27-14-19W	200	10,429	119,182	4		Arbuckle	3,712	5	35
							Reagan	3,726		34
Antonino Townsite ('49)	2-15-19W		no report	32,470			Arbuckle	3,697		
Antonino Townsite East ('52)	1-15-19W		Abandoned during 1955				Lans.-K.C.	3,344	2	
							Arbuckle	3,634		
Beeching ('43)	34-15-16W	500	9,397	261,351	6		Lans.-K.C.	3,156	4	35
Bemis-Shutts ('35)	16-11-17W	15,600	3,232,150	82,367,526§	577	11	Lans.-K.C.	3,408	11	34
							Penn. congl.	3,416		
							Arbuckle	3,380		
Bielman ('52)	24-15-18W	200	13,561	50,287	5	2	Arbuckle	3,496	4	32
Blue Hill ('37)	14-12-16W	1,200	98,320	2,347,097	29		Topeka	3,030	5	
							Lans.-K.C.	3,072	33	
							Gorham	3,348		
							Arbuckle	3,360	6	
Braun ('53)	34-13-16W	120	17,473	40,508	3		Penn. congl.	3,459	7	32
Brungardt* ('52)	35-10-17W	200	See Rooks County	86,638	7		Lans.-K.C.	3,194		
Burnett* ('37)	1-11-18W	7,000	1,960,494	47,896,173	272		Shawnee	2,967		
						2	Lans.-K.C.	3,093	4	
							Penn. congl.	3,427		
							Simpson	3,603	10	
							Arbuckle	3,570	8	
Burnett Northwest* ('46)	3-11-18W	800	226,772	2,897,525	28		Lans.-K.C.	3,450	4	33
							Arbuckle	3,617	7	
Burnett Southwest ('46)	22-11-18W	1,600	397,676	4,764,347	82		Shawnee	3,074		
							Lans.-K.C.	3,207	50	
							Simpson	3,582	4	
							Arbuckle	3,633	4	
Canyons ('48)	11-12-17W		no runs	8,566	1		Lans.-K.C.	3,361	47	
Catharine ('36)	3-13-17W	400	33,509	983,673	6	1	Lans.-K.C.	3,262	24	48
			58,793		8		Arbuckle	3,516	13	

Catharine Northwest ('44)	4-13-17W	380	68,520	645,424	13		Lans.-K.C.			
						1	Arbuckle	3,590	21	
Catharine South ('46)	15-13-17W	760	6,669	1,524,370	1		Lans.-K.C.	3,292	12	32
			178,559		24		Arbuckle	3,555	8	
Catharine Townsite ('49)	9-13-17W	40	3,924	31,213	1		Arbuckle	3,585	18	25
Chrisler ('49)	22-11-16W	40	4,060	36,561	1		Lans.-K.C.	3,100	35	
Cochran ('53)	8-11-18W	40	8,360	28,110	1		Lans.-K.C.	3,328	10	
Cromb (revived) ('45)	15-11-20W	200	1,841	4,062	1		Lans.-K.C.	3,446	8	
Degenhart ('53)	15-15-17W	320	37,974	70,519	5		Lans.-K.C.	3,417	8	38
						1	Arbuckle	3,521	10	
Dinges ('54)	9-15-18W	40	5,522	9,607	1		Arbuckle	3,624	12	
Dinkel ('53)	23-13-17W	200	5,232	8,348	3		Lans.-K.C.	3,430	4	38
Dreiling ('49)	21-14-16W	640	99,213	661,923	27		Lans.-K.C.	3,120	16	32
							Arbuckle	3,367		
Dreiling Southeast ('53)	27-14-16W	500	16,378	187,335	3		Lans.-K.C.	3,072	6	32
			55,925				Arbuckle	3,327		
Eagle Creek ('54)	11-11-20W	640	63,225	66,000	13		Lans.-K.C.	3,368	12	33
Ellis* ('42)	31-12-20W	1,000	70,296	1,137,144	17		Arb.-Reagan	3,832	8	
Ellis Northeast ('53)	32-12-20W	40	330	1,476	1		Arbuckle	3,853	6	
Ellis South* ('52)	12-13-21W	40	3,953	12,396	1		Arbuckle	3,822	15	31
Emmeram ('37)	4-13-16W	160	22,998	291,822	5	2	Lans.-K.C.	3,262	7	
Emmeram Northeast ('49)	27-12-16W	1,200	141,651	634,892	29		Lans.-K.C.	3,272		
							Arbuckle	3,541	3	
Emmeram Townsite ('52)	6-13-16W	80	4,217	29,844	2		Lans.-K.C.	3,291		32
							Arbuckle	3,520	10	
Erbert ('53)	20-12-20W	40	4,042	14,492	1		Lans.-K.C.	3,527		34
							Arbuckle	3,906		
Erbert Southeast ('54)	28-12-20W		no report	1,215			Penn. congl.	3,857		
Experiment ('52)	8-14-18W		Abandoned during 1955				Arbuckle	3,675	5	40
Fairport ('23)	8-12-15W	1,000	184,997	3,496,358	45		Lans.-K.C.	2,950	12	32
							Gorham	3,211		
							Arbuckle	3,312	5	
							Reagan	3,350		
Fort Hays State College ('50)	1-14-19W		no report	1,203			Arbuckle	3,806	20	28
Giinther ('52)	17-11-19W	80	9,589	45,437	2		Lans.-K.C.	3,439	9	
							Arbuckle	3,554	4	
Hadley (revived) ('54)	20-11-17W		Combined with Bemis-Shutts				Arbuckle	3,474		
Herl ('51)	28-14-17W	540	16,917	126,537	7		Lans.-K.C.	3,382		28
							Penn. congl.	3,453	8	
							Arbuckle	3,476		

TABLE 57.—*Oil production in Kansas during 1955, continued.*

Field name and year of discovery	Discovery well location	Area, acres	Oil production, bbls. during 1955	Oil production, bbls. to end, 1955	Producing wells	Wells abd., 1955	Producing zone Name	Depth, ft.	Thickness, ft.	Aver. grav.
Herman ('54)	28-13-20W	40	6,350	6,732	1		Arbuckle	3,865	6	42
Hertel ('52)	16-14-16W	40	1,716	15,411	1		Lans.-K.C.	3,134	38	38
Hertel Southwest ('52)	17-14-16W	40	496	8,118	1		Lans.-K.C.	3,215	4	38
Herzog ('40)	30-13-16W	960	5,642	1,400,454	3		Lans.-K.C.	3,232		
			79,168		11		Arbuckle	3,450	8	
Holy Cross ('53)	26-12-18W	120	13,197	56,285	4		Lans.-K.C.	3,423	4	34
Irvin ('46)	6-14-19W	2,080	1,471	1,449,651	1	3	Lans.-K.C.	3,553		
			313,232		43		Arbuckle	3,860		
Irvin East ('55)	4-14-19W	40	10,569	10,569	2		Lans.-K.C.	3,628	18	
Irvin South ('51)	7-14-19W	320	12,980	40,916	3		Arbuckle	3,837	12	38
Jacob ('51)	6-11-19W	40	1,741	12,932	1		Lans.-K.C.	3,542	4	23
Karlin ('51)	14-13-17W	400	66,864	256,825	12	1	Lans.-K.C.	3,348		37
							Arbuckle	3,477		
Koblitz ('37)	23-12-18W		Combined with Walter			1			4	
Koblitz Northwest ('54)	15-12-18W	120	16,579	28,392	4		Arbuckle	3,730	5	
Kraus ('36)	22-14-19W		no runs	130,486	1		"Sooy"	3,735	5	
							Arbuckle	3,732		
Kraus North ('53)	16-14-19W		no report	none			Arbuckle	3,801		
Kraus West ('55)	20-14-19W	40	7,204	11,174	1		Marmaton	3,834	4	
			3,516		1		Arbuckle	3,819		
Krueger*('48)	35-10-16W	640	128,656	991,766	19		Lans.-K.C.	3,552		
Leiker ('43)	14-15-18W	800	1,936	330,066	1		Lans.-K.C.	3,292		
			86,113				Penn. congl.	3,582		
					12		Arbuckle	3,591	5	
Leiker East ('53)	12-15-18W	700	62,605	256,120	11		Lans.-K.C.	3,321	8	
			105,733		15		Arbuckle	3,576	13	
Leiker Southeast ('54)	14-15-18W	80	27,257	34,376	7		Arbuckle	3,547	4	36
Lookout Hollow ('50)	31-14-18W		no report	1,080			Lans.-K.C.			
							Arbuckle	3,629		
Mendota ('51)	5-11-20W	640	13,021	65,160	5		Lans.-K.C.	3,530	10	35
						1	Arbuckle	3,668		
Nellie Belle ('55)	15-13-17W	40	no report	none			Arbuckle	3,521	1	
Nicholson ('45)	30-11-20W	800	158,279	599,200	19		Arbuckle	3,842	12	34

Nicholson North ('52)	19-11-20W	40	3,018	18,299	1	1	Lans.-K.C.	3,610	4	34
Penny-Wann ('36)	13-15-20W	80	5,819	189,986	2		"Sooy"	3,653	3	
Pleasant ('44)	2-14-20W	1,500	217,726	1,832,829	32		Lans.-K.C.	3,569		
							Marmaton	3,805		
							Penn. congl.			
							Arbuckle	3,833	4	
							Reagan	3,877		
Pleasant Northwest ('52)	27-13-20W		Combined with Pleasant							
Pleasant Ridge ('50)	20-12-17W		Combined with Bemis-Shutts							
Pleasant Ridge Southwest ('51)	19-12-17W	40	11,958	44,272	2		Arbuckle	3,673		
Polifka ('48)	7-13-17W	540	45,300	142,888	7		Arbuckle	3,640	33	31
Raynesford ('52)	17-13-20W	40	5,982	27,045	1		Lans.-K.C.	3,535	5	30
							Penn. congl.	3,870		
Raynesford East ('52)	16-13-20W	40	32,079	50,838	4		Arbuckle	3,861	9	39
Reed ('49)	5-13-17W	80	5,745	25,753	1		Lans.-K.C.	3,424	12	
							Arbuckle	3,596		
Reichert ('53)	9-15-19W		no runs	492			Lans.-K.C.	3,423	7	31
Riverview ('43)	19-11-18W	1,020	100,039	2,077,396	22		Arbuckle	3,610	18	
Ruder ('35)	17-15-18W	640	33,349	1,305,986	9		Lans.-K.C.	3,422		
							Arbuckle	3,572	10	
Schmeidler ('44)	28-12-17W	1,000	90,583	729,734	26		Lans.-K.C.	3,389	6	
						2	Arbuckle	3,625	10	
Schmeidler Northwest ('53)	20-12-17W	160	5,627	39,696	2		Lans.-K.C.	3,540		
			11,994		2		Arbuckle	3,696	6	
Schoenchen ('46)	21-15-18W	1,000	74,831	1,088,200	19	2	Arbuckle	3,569	9	31
Sessin ('52)	15-11-19W	600	1,044	444,176	1		Shawnee	2,969		
			9,554		2		Lans.-K.C.	3,291	7	23
			126,433		17		Arbuckle	3,499	3	
Solomon ('36)	28-11-19W	3,500	10,759	2,813,967	4		Topeka	2,990		
			1,134		1	1	Lans.-K.C.	3,229		
			572,013		92		Arbuckle	3,629	3	20
Sugarloaf ('41)	17-13-17W	700	53,133	707,082	11		Lans.-K.C.	3,391		30
						2	Arbuckle	3,645	9	
Sugarloaf Southeast ('41)	28-13-17W	960	50,408	1,077,355	9		Lans.-K.C.	3,312	8	
			301,268		40	1	Arbuckle	3,520		
Sunnydale ('52)	1-14-20W		no report	1,030			Arbuckle	3,850		
Sweet William ('50)	10-12-20W	40	2,941	17,062			Lans.-K.C.	3,700		35
							Arbuckle	3,908		
Toulon ('35)	3-14-17W	600	26,209	559,957	10		Lans.-K.C.	3,298	5	
							Arbuckle	3,512	45	

TABLE 57.—*Oil production in Kansas during 1955, continued.*

Field name and year of discovery	Discovery well location	Area, acres	Oil production, bbls. during 1955	Oil production, bbls. to end, 1955	Producing wells	Wells abd., 1955	Producing zone: Name	Depth, ft.	Thickness, ft.	Aver. grav.
Toulon Southwest ('55)	16-14-17W	40	12,796	12,796	2		Arbuckle	3,504	4	
Turkville ('53)	11-11-17W	160	18,406	51,484	4		Lans.-K.C.	3,165		24
							Arbuckle	3,359		
Ubert ('36)	12-13-18W	80	6,973	315,698	2		Lans.-K.C.			
							Arbuckle	3,707		
Ubert North ('51)	31-12-17W	260	41,134	167,819	7		Arbuckle	3,600		31
Ubert Northwest ('52)	1-13-18W	600	29,436	303,374	6		Lans.-K.C.			33
			96,741		14		Arbuckle	3,592		
Victoria North ('53)	6-14-16W	80	2,991	11,297	2		Arbuckle	3,471		35
Walter ('36)	2-12-18W	4,200	638,356	8,991,866	121		Topeka	3,160		
							Lans.-K.C.	3,434	8	
						3	Arbuckle	3,619	8	
Walter Southeast ('54)	13-12-18W	40	23,478	27,290	3		Arbuckle	3,658	4	
Warren ('49)	12-11-20W	40	4,629	47,813	1		Lans.-K.C.	3,458		
Weisner ('52)	36-12-20W		no runs	1,509	1		Penn. congl.	3,863	7	
Wheatland ('49)	18-15-17W	500	71,602	247,826	12	2	Lans.-K.C.	3,307	14	
							Arbuckle	3,571		
Wheatland Northwest ('53)	12-15-18W		6,263	19,831	3		Arbuckle	3,566	6	37
Wheatland Southeast ('55)	28-15-17W	80	5,805	11,852	1		Penn. congl.	3,526		
			6,047		1		Arbuckle	3,516	5	32
Wheatland Southwest ('53)	19-15-17W	500	9,150	262,982	1		Lans.-K.C.	3,252		32
			131,697		17		Arbuckle	3,554	9	
Younger ('44)	6-14-17W	500	48,537	404,904	12		Arbuckle	3,574	18	33
Younger South ('54)	8-14-17W	40	15,607	17,549	3		Arbuckle	3,546	7	37
Pools or fields abandoned				187,700						
Total Ellis County		63,440	11,165,885	180,904,977	1,948	40				
ELLSWORTH COUNTY										
Andrews ('52)	4-17-8W	500	24,919	87,037	5		Arbuckle	3,302	3	
Bloomer* ('36)	36-17-11W	2,900	528,100	14,097,412	94		Lans.-K.C.	3,044		
						2	Arbuckle	3,257	8	

Geneseo-Edwards*('34)	25-18-8W	3,680	882,499	17,335,761	147		Simpson	3,157		39
						1	Arbuckle	3,278		
Green Garden ('54)	1-17-9W	40	6,669	11,336	1		Lans.-K.C.	3,046	4	40
Heiken ('30)	25-17-10W	800	6,554	407,663	2	1	Lans.-K.C.	2,974		
			105,551		16		Penn. congl.	3,226		
			4,874		1		Arbuckle	3,269		
Heiken North ('42)	24-17-10W	80	6,520	196,157	2		Arbuckle	3,212	2	
Kraft-Prusa* ('37)	10-17-11W	800	53,823	1,132,467	14	1	Shawnee	2,885		
							Lans.-K.C.	3,160		
							Gorham	3,335		
							Arbuckle	3,281		
							Reagan	3,310		
Kraft-Prusa East ('44)	18-17-10W	40	2,003	15,726	1		Arbuckle	3,309		
Lorraine ('34)	13-17-9W	2,000	79,576	10,813,033	34		Lans.-K.C.	3,060	5	34
							Arbuckle	3,200	120	
Lorraine North ('53)	12-17-9W	80	23,166	57,017	2		Lans.-K.C.	3,066	5	
Maes ('52)	26-17-8W	760	209,967	747,997	21		Arbuckle	3,341	16	36
Palacky ('49)	31-16-10W	80	2,319	33,492	2		Lans.-K.C.	3,148	8	46
							Arbuckle	3,390	8	
Progress ('55)	10-16-10W	80	27,948	27,948	6		Arbuckle	3,402	8	
Progress Northwest ('55)	4-16-10W	80	30,064	30,064	10		Arbuckle	3,303	8	
Stoltenberg ('31)	22-16-10W	13,200	1,014,018	38,262,720	327	18	Lans.-K.C.	3,260	14	42
							Arbuckle	3,333		
Vacek ('44)	32-15-10W	640	21,020	320,866	6	2	Arbuckle	3,315	4	44
West ('51)	20-17-10W	80	5,813	30,237	2		Arbuckle	3,287		
Wilkens Southeast ('42)	32-17-9W	320	11,822	465,347	6		Arbuckle	3,220	9	
Total Ellsworth County		26,160	3,047,225	84,072,280	691	27				

FINNEY COUNTY

Beyer ('52)	24-26-33W	40	4,848	22,387	1		Lans.-K.C.	4,398	8	36
Damme ('51)	21-22-33W	400	77,663	262,868	10		Mississippian	4,626	10	32
Damme Northeast ('53)	16-22-33W	40	9,358	21,405	1		Mississippian	4,639	10	27
Finnup ('53)	34-22-33W	320	107,095	143,727	8		Mississippian	4,756	6	30
Finnup East ('53)	25-22-33W	40	2,727	8,363	1		Marmaton	4,442	16	30
Nunn ('38)	27-21-34W	1,300	104,099	2,197,280	28		Kansas City		13	31
							Marmaton			
							Cherokee	4,550		
							Mississippian	4,654	10	
Sonderegger ('52)	21-22-31W	40	488	5,926	1		Mississippian	4,737		29

TABLE 57.—*Oil production in Kansas during 1955, continued.*

Field name and year of discovery	Discovery well location	Area, acres	Oil production, bbls. during 1955	Oil production, bbls. to end, 1955	Producing wells	Wells abd., 1955	Producing zone Name	Depth, ft.	Thickness, ft.	Aver. grav.
Stewart ('52)	6-23-30W	40	3,898	15,804	1		Mississippian	4,710		28
Total Finney County		2,220	310,176	2,677,760	51					
FORD COUNTY										
Pleasant Valley ('50)	34-27-21W	40	3,168	16,677	1		Mississippian	4,954	145	
FRANKLIN COUNTY										
Baldwin* ('19)	15-20E	80	1,877		2		"Squirrel"	800		
LeLoup	15-20E				5		"Squirrel"	750		
a		10	391							
b		10	253							
Paola-Rantoul* ('60)	17-21E				751	8	Knobtown	300		
a		120	3,730				Hepler	400		
b		5,100	199,001				"Prue"	500		
c		900	17,197				"Squirrel"	600		
d		3,000	101,392				"Bartlesville"	700		
e		10	73							
f		120	5,267							
g		2,000	37,113							
h		10	135							
i		10	245							
Miscellaneous			10,000		1					
Total Franklin County		11,370	376,674	9,895,139 recorded	759	8				
GOVE COUNTY										
Beougher ('52)	8-13-30W		no report	652			Lans.-K.C.	4,079		
Coberly ('51)	15-14-29W	80	5,189	58,844	2		Lans.-K.C.	4,122	10	35
							Marmaton	4,287	9	

Gove ('51)	26-13-30W	80	9,079	13,056	3		Lans.-K.C.	4,122	3	35
							Mississippian	4,547		
Jasper ('51)	30-15-29W		no report	740			Lans.-K.C.	3,670		
Lundgren ('52)	30-14-29W	80	301	4,755	2		Mississippian	4,306	10	
Lundgren South ('52)	21-14-29W	360	15,707	57,294	4		Mississippian	4,277	6	40
Pyramids ('52)	9-15-31W		no report	4,387			Marmaton	4,280		
Total Gove County		600	30,276	139,728	11					
				GRAHAM COUNTY						
Alda ('44)	15-7-22W	700	9,902	73,029	3	2	Lans.-K.C.	3,518	3	37
Allodium ('55)	19-6-25W	80	6,987	6,987	2		Lans.-K.C.	3,740	5	
Blazier ('55)	21-7-25W	480	13,802	13,802	8		Lans.-K.C.	3,785	8	
Brush Creek ('55)	4-9-23W	80	18,092	18,092	4		Lans.-K.C.	3,768	4	40
Cooper ('50)	11-10-21W	4,980	851,396	4,827,234	121		Lans.-K.C.	3,528	7	
							Arbuckle	3,841	10	
Cooper North ('53)	33-9-21W	300	69,300	95,973	10		Arbuckle	3,905	9	31
Crocker ('51)	18-10-21W	40	1,281	20,421	1	1	Arbuckle	3,916	4	19
Diebolt* ('53)	33-10-23W	1,460	552,538	703,316	79	1	Lans.-K.C.	3,779	6	35
Dorman ('52)	30-10-23W	40	2,872	15,155	1		Lans.-K.C.	3,921	7	32
Dorman West ('55)	25-10-24W	40	3,764	3,764	1		Lans.-K.C.	3,954	6	
Elrick ('55)	15-10-25W	160	2,206	2,206	1		Lans.-K.C.	3,931	5	
Fargo ('50)	26-9-22W		Combined with Ironclad							
Fargo West ('51)	34-9-22W	80	733	3,734	2	1	Lans.-K.C.	3,755		
Faulkner ('45)	27-10-22W	160	7,596	206,389	5		Lans.-K.C.	3,629	2	37
							Marmaton	3,844		
Gettysburg ('41)	7-8-23W	80	3,962	70,709	2		Lans.-K.C.	3,725	30	
Glen Dale ('55)	23-9-24W	80	2,474	2,474	1		Lans.-K.C.	3,993	6	
Happy ('54)	21-10-23W		Combined with Diebolt							
Harmony ('51)	32-7-22W	700	38,423	190,180	9		Lans.-K.C.	3,597		37
							Arbuckle	3,776		
Highland ('51)	20-8-22W	40	1,825	12,242	1		Lans.-K.C.	3,616		37
Holley ('54)	3-9-24W	2,000	233,372	235,825	50		Lans.-K.C.	3,900	6	47
Holley North ('55)	29-8-24W	40	648	648	1		Lans.-K.C.	3,897	9	
Holley Northwest ('55)	32-8-24W		Combined with Holley							
Holley West ('55)	36-8-25W	640	7,884	7,884	7		Lans.-K.C.	3,924	6	
Hoof ('54)	9-10-23W	640	142,881	144,524	21		Lans.-K.C.	3,865	4	32
Hoof West ('55)	8-10-23W	40	8,781	8,781	3		Lans.-K.C.	3,903	5	
Houston ('47)	9-6-22W		no runs	19,516	1		Lans.-K.C.	3,506		
Huntington ('55)	7-7-25W	40	5,952	5,952	1		Lans.-K.C.	3,832	8	40

TABLE 57.—*Oil production in Kansas during 1955, continued.*

Field name and year of discovery	Discovery well location	Area, acres	Oil production, bbls. during 1955	Oil production, bbls. to end, 1955	Producing wells	Wells abd., 1955	Producing zone Name	Depth, ft.	Thickness, ft.	Aver. grav.
Ironclad ('50)	23-9-22W	1,000	86,475	342,363	17		Lans.-K.C.	3,756	6	38
Laura* ('50)	30-10-20W	1,200	156,495	336,166	18		Arbuckle	3,706	2	30
Law ('51)	34-9-23W	900	105,161	656,229	14		Lans.-K.C.	3,922	10	38
			12,640		2		Penn. congl.	4,126		
Law Southeast ('55)	12-10-23W	500	38,747	38,747	12		Lans.-K.C.	3,869		29
							Penn. congl.	4,088	11	
Mickleson ('52)	27-8-22W	120	18,006	49,589	3		Lans.-K.C.	3,502		34
							Arbuckle	3,759	16	
Mildrexter ('55)	12-9-23W	80	2,218	2,218	1		Lans.-K.C.	3,814	2	
Millbrook ('51)	21-8-23W		Abandoned during 1955				Lans.-K.C.	3,761		
Montgomery ('53)	8-8-23W		Abandoned during 1955				Lans.-K.C.	3,504		
Morel ('38)	15-9-21W	7,000	1,472,364	19,797,750	217		"Sooy"	3,712		26
						2	Arbuckle	3,718	12	
Morel East ('49)	13-9-21W	300	31,433	313,639	5		Arbuckle	3,729	3	22
Morel North ('55)	3-9-21W	80	2,800	2,800	1		Penn. congl.	3,667	5	
Morel Northwest ('53)	7-9-21W		Combined with Morel							
Morlan ('49)	23-10-21W	400	54,379	427,455	11		Arbuckle	3,778	2	30
Muilenburg* ('49)	1-10-21W	80	3,375	29,673	2		Arbuckle	3,839	3	29
Nana ('53)	4-8-24W	700	197,641	296,803	26		Lans.-K.C.	3,738	8	
Noah ('52)	27-10-21W	320	11,194	163,361	3		Lans.-K.C.	3,651	7	38
			43,652		9		Arbuckle	3,786	7	
Noah East ('53)	26-10-21W		Combined with Noah							
Noah Southwest ('54)	33-10-21W	40	1,366	2,209	1		Marmaton	3,756	8	38
Penokee ('40)	11-8-24W	130	15,134	249,982	5		Lans.-K.C.	3,750	16	43
Prairie Glen ('54)	25-10-23W	40	21,103	21,772	3		Lans.-K.C.	3,596	4	33
Prairie Glen Southeast ('55)	31-10-22W	80	9,974	9,974	4		Lans.-K.C.	3,594	8	
Ray* ('49)	32-5-20W		no report	1,240			Lans.-K.C.	3,297		
							Arbuckle	3,575		
							Reagan	3,540		
Red Line ('55)	32-9-22W	640	8,001	8,001	4		Lans.-K.C.	3,776	3	
Red Line North ('55)	20-9-22W	40	2,358	2,358	1		Lans.-K.C.	3,676	4	
Sand Creek ('54)	27-8-21W	320	321	5,318	1		Lans.-K.C.	3,387	6	30
			4,408		1		Arbuckle	3,578		

Schmied ('52)	21-8-25W	1,280	228,632	463,425	28	1	Lans.-K.C.	3,740	4	30
Schmied Northeast ('54)	10-8-25W	80	25,323	29,396	6		Lans.-K.C.	3,867	25	46
Schnebly ('52)	8-8-22W	80	18,222	36,001	5		Lans.-K.C.	3,507	5	
Shiloh ('51)	1-9-25W	40	8,426	40,121	2		Lans.-K.C.	4,013		42
Smith-Denning ('50)	5-10-21W	900	77,712	511,405	17		Lans.-K.C.	3,530		26
						1	Arbuckle	3,818	16	
Spaulding* ('53)	1-11-21W	160	18,927	18,927	4		Lans.-K.C.	3,573	7	
Van ('54)	14-9-22W	40	12,693	14,499	2		Lans.-K.C.	3,580	4	22
							Arbuckle	3,871		
White Southwest* ('53)	35-10-21W	500	221,601	375,663	24		Lans.-K.C.	3,539	7	
							Arbuckle	3,688		
Wild Horse Creek ('50)	16-9-22W		no runs	10,095		1	Arbuckle	3,944		
Worcester ('51)	23-7-22W	40	400	11,701	1	1	Arbuckle	3,792		27
			Abandoned during 1955							
Pools or fields abandoned				28,877						
Total Graham County		29,990	4,897,852	30,986,594	784	11				

GRAY COUNTY

Jumbo ('53)	29-29-27W		no report	none			Cherokee	5,103	8	

GREENWOOD COUNTY

Atveo* ('25)	30-21-10E	320	185,166		30		"Bartlesville"	2,250		
Beaumont ('20)	27-8E	640	66,229		44		"Peru"	1,830		
							Mississippian	2,445		
							Arbuckle	2,740		
Beaumont North	27-9E	10	223		1		Mississippian	2,477		
							Ordovician	2,800		
Beaumont South ('35)	2-28-8E	160	7,069		5		Mississippian	2,500		
Blackwell ('25)	16-24-13E	320	20,965		8		Mississippian	1,650		
Blankenship* ('21)	26-8E	160	58,908		12		"Bartlesville"	2,650		
Brinegar	26-13E	320	4,796		11	14	"New Albany"	427	11	
Brinegar North	26-13E		no report							
Browning ('24)	22-10E	1,600	117,726		90	1	"Bartlesville"	2,314	51	
Burkett ('23)	24-23-10E	1,600	179,947		90	2	"Bartlesville"	2,000	38	
Burt ('49)	8-26-11E	40	2,576		3	1	Mississippian	1,945		
Climax ('25)	27-11E	80	5,264		3		Mississippian	1,900	15	

TABLE 57.—*Oil production in Kansas during 1955, continued.*

Field name and year of discovery	Discovery well location	Area, acres	Oil production, bbls. during 1955	Oil production, bbls. to end. 1955	Producing wells	Wells abd., 1955	Producing zone Name	Depth, ft.	Thickness, ft.	Aver. grav.
DeMalorie-Souder ('24)	22-10E	2,200	772,442		99	1	"Bartlesville"	2,150	55	
Dunaway* ('22)	34-22-13E	1,600	58,332		56	2	Mississippian	1,800	12	
Eureka	31-25-11E	1,450	51,654		53	4	Fort Scott	1,750	10	
							Mississippian	2,000		
Fankhouser* ('26)	4-22-12E	900	11,792		47		"Bartlesville"	1,850	24	
Gaffney ('26)	18-24-11E	160	10,278		3		"Bartlesville"	1,850		
Gilroy ('28)	12-25-12E		no report				Mississippian	1,600		
Hamilton ('25)	7-24-12E				84	6	"Bartlesville"	1,650	25	
a		2,000	93,800				Mississippian	1,800		
b		320	8,891							
Hinchman ('27)	17-24-13E	480	10,559		10		Mississippian	1,615		
Hollis ('27)	16-23-10E	40	1,713		2		"Bartlesville"	2,150		
Honey Creek ('50)	32-26-11E		no report				Mississippian	1,871		
Hubbard	22-13E	40	921		1					
Jackson	25-8E	160	9,251		4		"Bartlesville"			
Jobes	24-13E	160	2,851		5					
Lamont ('26)	29-22-13E	2,200	224,032		108	3	"Bartlesville"	1,700	42	
Ly-Green* ('54)	5-22-11E	160	4,770		4		"Bartlesville"	1,858	13	
Madison	14-22-11E				80	1	"Bartlesville"	1,800	38	
a		320	3,784							
b		1,500	661,542							
Morris ('50)	28-24-13E		no report			1				
Neal		10	18		1					
Ott	7-22-13E	40	2,216		1					
Parks	24-10E		no report							
Pixlee ('23)	7-22-10E	640	21,373		32	2	"Bartlesville"	2,350	20	
							Mississippian	2,400		
Polhamus ('22)	25-9E	1,100	216,676		65	1	"Bartlesville"	2,180	34	
Quincy* ('26)	31-24-12E	1,280	57,236		41	2	"Bartlesville"	1,500	20	
							Mississippian	1,720		
Reece	24-26-9E				23		Kansas City	1,380	12	
a		900	20,791				Mississippian	2,100		
b		80	1,974							

Sallyards	25-8E	2,500	390,436		128	2	"Bartlesville"	2,350	40
Salt Springs ('54)	23-26-12E		no report				Arbuckle	2,037	
Scott ('25)	24-23-8E	900	113,925		38		"Bartlesville"	2,525	40
Seeley-Wick ('22)	28-23-11E	4,600	1,489,265		289	18	"Bartlesville"	1,930	45
Severy*	8-28-11E	640	10,436		15		Kansas City	1,200	
Severy North	27-11E	40	510		2				
Stanhope	15-26-8E	240	28,661		11		Mississippian	2,450	11
Teeter* ('20)	16-23-9E				152	4	"Bartlesville"	2,400	40
a		2,000	166,843						
b		320	11,033						
Teichgraber ('39)	25-8E				23		"Bartlesville"	2,750	50
a		640	15,856						
b		240	3,901						
c		10	471						
Thrall-Aagard ('21)	14-24-9E				301	2	"Bartlesville"	2,170	45
a		3,700	769,689						
b			20,721						
Tonovay	25-11E	240	6,975		8				29
Tonovay North			no report						
Tonovay West ('50)	33-25-11E		no report				Mississippian	1,948	
Toronto ('13)	16-26-13E				10		"Peru"	1,000	
a	40		782				"Bartlesville"	1,700	
b	160		3,342						
Tucker			no report						
Verdigris ('53)	2-24-12E		no report				Mississippian	1,784	2
Virgil ('16)	14-24-12E				164	5	"Bartlesville"	1,550	40
a		3,560	134,842				Mississippian	1,700	12
b		40	1,341						
Virgil North* ('20)	22-23-13E	5,500	245,838		283	3	"Bartlesville"	1,585	52
							Mississippian	1,840	12
Wiggins ('25)	30-24-11E	1,280	30,995		54	1	"Bartlesville"	1,860	15
Wilkerson ('26)	6-25-9E	320	15,686		16	1	"Bartlesville"	2,200	48
Willard	7-27-11E	240	25,098		13		Mississippian	1,900	10
Zimmermann ('53)	19-23-10E	20	1,570	8,798	2		"Bartlesville"	2,296	
Miscellaneous			411		2				
Total Greenwood County		48,420	2,485,392	202,809,092	2,527	77			

TABLE 57.—*Oil production in Kansas during 1955, continued.*

Field name and year of discovery	Discovery well location	Area, acres	Oil production, bbls. during 1955	Oil production, bbls. to end, 1955	Producing wells	Wells abd., 1955	Producing zone Name	Depth, ft.	Thickness, ft.	Aver. grav.
HAMILTON COUNTY										
Helfrich ('55)	6-25-42W	40	9,421	9,421	1		Morrowan	5,040	10	
HARPER COUNTY										
Banner ('54)	27-32-7W	80	21,873	28,851	3		Viola-Simpson	4,833	6	43
Berg ('54)	29-32-7W	40	no runs	1,909	1		Viola	4,758	6	43
Bluff Creek ('52)	24-34-5W	40	no runs	1,284	1		Lans.-K.C.	3,938	5	26
Dusenbury ('54)	3-32-9W		Combined with Grabs South							
Dusenbury North ('54)	34-31-9W		Combined with Grabs South							
Grabs ('49)	13-31-9W	10,000	530,765	728,226	110	1	Mississippian	4,400	14	29
Grabs South ('54)	25-31-9W		Included with Grabs				Mississippian	4,397		
Miller ('55)	11-33-8W	40	1,675	1,675	1		Misener	4,895	5	
Sharon* ('55)	13-32-10W	40	4,090	4,090	1		Mississippian	4 355	10	
Spivey Southeast ('55)	1-31-8W	40	93	93	1		Mississippian	4,380	7	
Total Harper County		10,280	558,496	766,128	117	1				
HARVEY COUNTY										
Burrton* ('31)	1-23-4W		Included with Reno County				Mississippian	3,266		
							"Hunton"	3,583		
Burrton Northeast ('42)	3-23-3W		no runs	7,917		1	"Chat"	3,224		
							Mississippian	3,269		
Graber* ('34)	32-21-1W	240	2,500	156,799	1		Misener	3,323		41
							"Hunton"	3,274	24	
Halstead ('29)	36-22-2W	1,200	25,799	1,989,438	11		"Chat"	3,005	30	
Hollow-Nikkel* ('31)	30-22-3W	3,600	135,057	21,173,557	37		"Chat"	3,195	13	40
			Includes McPherson County production				"Hunton"	3,507	14	
						2	Simpson	3,500		
Jester Creek ('49)	3-24-1E		no report	1,202			Lans.-K.C.	2,687		
Sperling ('35)	23-22-2W	400	60,448	689,761	9		"Hunton"	3,279	16	

Pools or fields abandoned				123,238						
Total Harvey County		5,440	223,804	24,141,912	59	3				
HASKELL COUNTY										
Pleasant Prairie ('54)	4-27-34W	40	64,632	66,026	7		Mississippian	5,041		
HODGEMAN COUNTY										
Jetmore ('50)	24-22-24W	80	6,334	71,190	2		Mississippian	4,580	12	
Purdyville ('51)	3-24-24W	640	90,023	508,231	8		Penn. congl.	4,651		
							Mississippian	4,663	18	
Saw Log Creek ('53)	36-23-22W	40	8,275	23,299	1		Marmaton	4,284	11	21
Total Hodgeman County		760	104,632	602,720	11					
JEFFERSON COUNTY										
McLouth ('39)	4-10-20E		no report				McLouth	1,450		
							Mississippian	1,550		
McLouth North ('41)	29-9-20E		no report				McLouth	1,450		
							Mississippian	1,500		
Miscellaneous			4,000							
JOHNSON COUNTY										
Gardner	14-22E	480	2,628		7	1				
Dallas	13-13-24E		no report							
"Mignot"		240	1,496		4					
Prairie Center		10	204		1					
Total Johnson County		720	4,328		12	1				
KEARNY COUNTY										
Patterson ('41)	23-22-38W	160	39,520	485,519	3		"Patterson sand"	4,748		
KINGMAN COUNTY										
Bartholomew* ('48)	30-27-4W	240	731	64,750	6		Mississippian	3,732	25	

TABLE 57.—*Oil production in Kansas during 1955, continued.*

Field name and year of discovery	Discovery well location	Area, acres	Oil production, bbls. during 1955	Oil production, bbls. to end, 1955	Producing wells	Wells abd., 1955	Producing zone Name	Depth, ft.	Thickness, ft.	Aver. grav.
Basil ('53)	16-29-7W	160	9,042	93,100	1		Lans.-K.C.	3,727		
			17,595		3		Viola	4,511	3	
Broadway ('50)	21-28-5W	1,200	136,785	945,262	29		Mississippian	3,833	6	32
Broadway West ('54)	19-28-5W	40	17,787	18,918	3		Mississippian	3,884	6	36
Casley ('52)	11-28-5W	360	63,433	139,870	10		Mississippian	3,794	7	38
Cunningham* ('31)	7-28-11W	1,300	64,276	3,226,564	37		Lans.-K.C.	3,600	33	41
Dewey ('50)	9-28-5W	600	50,484	339,822		1	Mississippian	3,801		37
Dewey North ('55)	5-28-5W	40	1,251	1,251	1		Lans.-K.C.	3,248	3	
Dresden ('51)	13-27-10W	1,120	140,620	826,891	33		Lans.-K.C.	3,806		
							Mississippian	4,002	8	
							Viola	4,270	2	
Evan Mound ('51)	22-27-5W	40	3,846	23,075	1		Mississippian	3,800	16	37
Gilchrist ('55)	15-30-7W	640	538	538	1		Lans.-K.C.	3,726	5	
Kingman ('27)	16-27-7W		3,000	30,000	1		Mississippian	3,824		
Lansdowne North ('51)	4-28-5W	40	1,789	22,647	1		Mississippian	3,814	3	35
McCutcheon ('55)	10-27-7W	40	2,316	2,316	1		Viola	4,103	4	40
Orsemus ('53)	30-29-5W	120	37,681	62,787	4		Viola	4,455	12	43
							Simpson	4,468		
Orsemus South ('54)	31-29-5W		no runs	450	1		Viola	4,483		
Pat Creek ('46)	20-28-9W	160	23,629	196,618	4	1	Viola	4,406	6	42
							Simpson	4,475	18	
Rago ('55)	17-30-7W	40	1,957	1,957	1		Mississippian	4,147	6	
Reida ('55)	18-30-6W	40	2,062	2,062	1		Simpson	4,502	4	
Reida West ('55)	23-30-7W	40	1,892	1,892	1		Mississippian	4,143	3	
Rosedale ('54)	32-29-6W	120	39,441	55,810	5		Lans.-K.C.	3,691	5	43
Spade ('55)	27-29-10W		Abandoned during 1955				Mississippian	4,312	9	
Spivey ('51)	23-30-8W	5,400	608,719	861,069	83		Mississippian	4,205		29
Spivey Northwest ('54)	9-30-8W	40	305	1,323	1		Mississippian	4,156		
Spivey West ('55)	17-30-8W	40	3,032	3,032	2		Mississippian	4,172	12	
Sunny View ('55)	26-30-9W	480	no report	none			Mississippian	4,350	20	
Trenton ('54)	27-29-7W	40	236	236	1		Mississippian	4,117	6	
Willowdale ('54)	11-29-9W	800	318,040	388,427	29		Viola	4,502	4	

Zenda ('54)	36-29-9W	1,800	2,172	2,172	2		Mississippian	4,161	9
Zenda South ('55)	11-30-9W		Combined with Zenda						
Total Kingman County		14,940	1,552,659	7,312,839	258	2			
KIOWA COUNTY									
Betzer ('55)	34-29-16W	160	3,858	3,858	1		Mississippian	4,632	15
Brenham ('47)	29-28-17W		no report	179			Mississippian	4,821	
Exel ('48)	20-30-20W		no report	48,223		1	Mississippian	5,126	
Haviland ('55)	17-28-16W	320	6,379	6,379	2		"Kinderhook"	4,761	9
Mullinville ('55)	11-28-20W	80	9,386	9.386	2		Mississippian	4,890	8
Pyle ('55)	16-29-16W	40	24,753	24,753	4		Mississippian	4,666	14
Soldier Creek ('55)	24-29-16W	40	6,046	13,346	1		Cherokee	4,599	
			7,300		1		Mississippian	4,598	10
Total Kiowa County		640	57,722	106,124	11	1			
LABETTE COUNTY									
Altamont	33-19E	10	58		1				
Banzet	35-19E		no report						
Chetopa	36-34-20E	20	1,150		5				
Coffeyville-Cherryvale*	32-17E				106	1	"Wayside"	400	
a		480	920				Fort Scott	600	
b		80	562				"Bartlesville"	1,000	
c		10	205						
d		240	2,261						
e		20	664						
f		320	40,000						
g		10	213						
h		80	3,569						
i		10	365						
Dartnell	31-17E				14				
a		160	2,391						
b		20	587						
Dennis	31-18E		no report						
Edna	34-18E	160	3,665		11				
Indenbro			no report						
Lake Creek	35-19E		no report						

TABLE 57.—*Oil production in Kansas during 1955, continued.*

Field name and year of discovery	Discovery well location	Area, acres	Oil production, bbls. during 1955	Oil production, bbls. to end, 1955	Producing wells	Wells abd., 1955	Producing zone Name	Depth, ft.	Thickness, ft.	Aver. grav.
Mound Valley	32-18E				44	2	"U. Bartlesville"	630		
a		640	11,071				"L. Bartlesville"	700		
b		160	17,690				Mississippian	900		
Price ('17)	33-18E				45		"Bartlesville"	600	30	
a		480	8,191							
b		320	4,424							
Valeda		10	76		1					
Miscellaneous			15		1					
Total Labette County		3,230	98,077	590,716 recorded	228	3				
LANE COUNTY										
North Fork ('52)	19-17-29W		no runs	10,974	2		Lans.-K.C.	4,333		
							Marmaton	4,400		
LEAVENWORTH COUNTY										
Ackerland ('41)	12-10-20E		no report				McLouth	1,370		
Banker's Life ('41)	3-10-20E		no report				McLouth	1,450		
LINN COUNTY										
Blue Mound		10	138		1					
Centerville*	10-21-22E				107	6	"Squirrel"	480		
a		1,280	21,911				"Bartlesville"	720		
b		10	115							
c		40	697							
Critzer	22-22E	10	308		1					
Goodrich-Parker	25-20-21E				153	3	"Squirrel"	600	20	
a		160	1,579				"Bartlesville"	700		
b		10	287							
c		640	6,420							

d		10	104							
e		1,500	32,696							
LaCygne-Cadmus	20-24E				134		Bandera	150	20	
a		240	15,591				Labette	200		
b		20	735							
c		10	332							
d		320	12,968							
e		10	91							
Miscellaneous			395		3					
Total Linn County		4,260	94,367	939,621 recorded	399	9				
LYON COUNTY										
Atyeo* ('25)	20-21-10E	800	123,246		45	2	"Bartlesville"	2,200	32	
Bradfield	24-21-10E	480	120,284		21		Viola	2,500		
Bradfield Northwest ('53)	13-21-10E	320	59,465		17		Viola	2,522	5	
Bushong ('50)	26-16-10E		no report				"Hunton"	2,950	17	
Fankhouser* ('26)	4-22-12E	1,280	88,938		39		"Bartlesville"	1,850		
Ly-Green* ('54)	5-22-11E	240	9,541		5		"Bartlesville"	1,858		
Ritchey-Moore	34-21-10E	10	3,687		1					
Rock Creek ('47)	32-21-11E	160	8,637		4		"Bartlesville"	1,900	12	
Welch-Mohr ('53)	30-20-10E	20	1,964		1		"Bartlesville"	2,293	22	
Total Lyon County		3,310	415,762	7,188,364 recorded	133					
McPHERSON COUNTY										
Battle Hill ('45)	24-18-1W	40	1,745	49,769	1		"Chat"	2,825	10	
Battle Hill North ('48)	13-18-1W	40	7,709	80,746	1		Mississippian	2,811	17	36
Bitikofer ('40)	1-20-1W	160	1,687	219,939	4		"Chat"	2,885	24	29
Bitikofer North ('46)	25-19-1W		no report	9,043			Mississippian	2,892		
Bonaville ('49)	33-17-2W		no report	16,153			Simpson	3,557		
Burk ('48)	7-18-1W	120	8,370	110,871	3		Mississippian	2,781	3	
Canton North ('36)	26-18-1W	540	26,153	700,298	12		"Chat"	2,803	29	
Chindberg ('29)	18-19-2W	500	17,597	1,804,845§	12		Lans.-K.C.	2,363	19	
							"Chat"	3,007		
Coons ('40)	13-19-1W	80	2,596	13,023	2					
Crowther ('42)	26-17-1W	1,500	102,391	3,205,812	37	5	"Chat"	2,778		

TABLE 57.—*Oil production in Kansas during 1955, continued.*

Field name and year of discovery	Discovery well location	Area, acres	Oil production, bbls. during 1955	Oil production, bbls. to end, 1955	Producing wells	Wells abd., 1955	Producing zone Name	Depth, ft.	Thickness, ft.	Aver. grav.
Georob ('47)	31-17-1W	1,500	251,882	2,396,346	45		"Chat"	2,665	3	
Graber* ('34)	32-21-1W	3,600	526,888	12,450,236	110		Misener	3,323		41
							"Hunton"	3,274	24	
Graber North ('51)	4-21-1W	40	1,331	2,709	1		Mississippian	2,955		
Groveland ('53)	10-20-4W	40	2,976	15,123	1		Viola	3,728	8	38
Groveland South ('53)	14-20-4W	300	70,528	133,834	8		Viola	3,719	6	
Gypsum Creek* ('44)	4-17-1W	500	25,340	450,419	15	1	"Chat"	2,619	14	36
Gypsum Creek South ('53)	9-17-1W		no runs	3,215	1		Mississippian	2,627		
Harmac	35-21-3W		733	733	1		"Hunton"	3,521	4	
Henne ('40)	21-17-1W	800	37,443	1,549,201	15	1	"Chat"	2,658	5	
Hollow-Nikkel* ('31)	30-22-3W	Included with Harvey County					"Chat"	3,195	13	40
							"Hunton"	3,507	14	
						1	Simpson	3,500		
Jenday ('44)	1-19-2W	1,000	32,576	913,224	24	3	"Chat"	2,984	15	37
Johnson ('32)	35-19-3W	960	47,619	3,462,820	10		"Chat"	3,032	14	36
Johnson South ('50)	11-20-3W		no report	8,153			Mississippian	3,043		
Lindsborg ('38)	8-17-3W	5,400	323,133	7,966,694	101		Viola	3,352	21	
						4	Simpson	3,360	10	
Lindsborg South ('55)	6-18-3W	320	17,534	17,534	4		Simpson	3,523	4	
Lively ('53)	28-19-2W	Combined with Ritz-Canton								
McPherson ('26)	29-18-2W	1,700	93,440	1,778,763§	49		Lans.-K.C.	2,340		38
							"Chat"	2,967	11	
							Viola	3,140	6	
Maxwell ('48)	17-18-1W	160	4,176	39,471	4		Mississippian	2,846	11	36
Paden ('43)	10-18-1W	640	191,742	3,019,240	45		"Chat"	2,752	18	42
							Viola	3,153		
Paden South ('50)	21-18-1W	300	56,083	125,350	13		Mississippian	2,765	12	
Reuben ('49)	17-18-2W	80	2,253	27,588	2		Simpson	3,675	86	
Ritz-Canton ('29)	1-20-2W	14,000	1,984,648	46,486,878	307		Lans.-K.C.	2,324		
							"Chat"	2,935	31	
						4	Viola	3,412	4	

Roxbury ('38)	18-17-1W	1,000	68,124	3,221,680	28		"Chat"	2,684	5	35
						3	Simpson	3,278		
Roxbury South ('42)	30-17-1W	240	8,527	338,603	4		"Chat"	2,658	7	
Roxbury Southeast ('43)	20-17-1W	240	10,869	115,468	4		"Chat"	2,665	9	
Voshell ('29)	9-21-3W	3,200	253,750	29,031.118	62		"Chat"	3,095	15	41
							Viola	3,301	3	
Welch-Bornholdt* ('24)	35-20-6W	3,200	175,602	12,539,448	101		"Chat"	3,370		
Windom* ('53)	30-19-5W	300	102,114	163,297	17		Penn. congl.	3,412	9	38
							Mississippian	3,409		
Total McPherson County		42,500	4,457,559	132,467,644	1,044	22				

MARION COUNTY

Antelope ('47)	33-18-4E	10	737		1		"Chat"	2,380		
Antelope North ('48)	28-18-4E	240	32,504		7		Kansas City	1,840	12	
							Mississippian	2,401	6	
Biscuit Hill ('52)	33-21-4E		no report				Mississippian	2,269	6	
Cedar Creek ('50)	31-20-5E		no report	2,182			Viola	2,563	3	
Covert-Sellers ('20)	28-21-4E	900	68,664		32	2	Viola	2,400		
Durham ('53)	34-18-2E	160	29,911	75,472	3		Viola	2,899	2	
Durham South ('54)	3-19-2E	40	1,209	2,866	1		Simpson	3,039	2	30
Edmonds ('53)	31-22-4E	640	98,079	153,817	18	1	Mississippian	2,471	3	
Elbing* ('18)	18-23-4E	160	6,212		5		Kansas City	2,120		
							Mississippian	2,400		
							Viola	2,530		
Elbing East*	27-23-4E		no report							
Elbing North ('47)	27-22-4E	160	5,067	74,297	4		"Chat"	2,439		
Fanska ('43)	6-17-1E	80	4,419		3		"Chat"	2,680		
Florence ('20)	18-21-5E	480	2,090		2		Viola	2,300		
French Creek ('55)	22-19-2E	20	4,189		1		Simpson	3,020		
Hillsboro ('28)	7-19-3E	500	18,432		8		Mississippian	2,470		
							Viola	2,820		
Lehigh ('46)	27-19-1E	320	4,728	98,411	3		Mississippian	2,800		
Lehigh North ('53)	23-19-1E	20	5,017	6,654	1		Viola	3,225	4	30
Lost Springs* ('26)	22-17-4E				168	1	Mississippian	2,365		
a		20	956							
b		6,500	450,041							
c		160	4,231							
Lost Springs East ('42)	35-17-4E	240	5,220		5		"Chat"	2,350		

TABLE 57.—*Oil production in Kansas during 1955, continued.*

Field name and year of discovery	Discovery well location	Area, acres	Oil production, bbls. during 1955	Oil production, bbls. to end, 1955	Producing wells	Wells abd., 1955	Producing zone Name	Depth, ft.	Thickness, ft.	Aver. grav.
Lost Springs South ('47)	18-4E	Combined with Lost Springs Southeast								
Lost Springs Southeast ('48)	10-18-4E	1,000	17,547	37,364	8	2	Mississippian	2,345	42	
Nelson West* ('53)	30-17-5E	10	562		1		Mississippian	2,297		
Peabody ('20)	9-22-4E				12	2	Viola	2,500		
a		10	47							
b		640	20,444							
c		480	14,976							
Propp	19-4E	640	10,816	46,440	6					
Quarry Siding ('53)	16-19-4E	520	15,653		6	1	Mississippian	2,302	42	
Shank ('52)	12-22-3E	160	11,044	73,237	5		Mississippian	2,474	27	
Unger ('55)	8-21-3E	480	20,114		4		"Hunton"	2,809		
Wenger ('47)	11-21-4E	480	56,696	839,016	24	3	"Hunton"	2,770		
Youk ('54)	20-18-2E		no report				Viola	3,017	3	
Total Marion County		14,870	909,605	34,219,834 recorded	328	12				
MEADE COUNTY										
Adams Ranch ('48)	8-35-30W	6,500	8,031	70,684	5		Marmaton	5,346	40	
Adams Ranch East ('47)	36-34-30W	Combined with Adams Ranch								
Bond ('54)	32-33-30W	40	3,261	7,010	1		Atokan	5,619	12	38
Bromwell ('52)	7-34-29W		no runs	2,878			Morrowan	5,901		
Bruno ('53)	20-33-30W	40	7,938	30,431	1		Morrowan	5,656	18	37
Bruno Northeast ('53)	16-33-30W	40	7,719	24,128	1		Morrowan	5,721	10	39
Kismet East ('53)	30-33-30W		no report	none			Morrowan	5,645		
Leslie ('55)	3-33-30W	320	24,820	24,820	5		Morrowan	5,668	16	
McKinney* ('50)	2-34-26W	1,200	23,752	69,025	18		Mississippian	5,762	66	
Novinger ('51)	26-33-30W	2,300	365,975	1,477,076	31		Marmaton	5,270	20	41
			11,241		2		Morrowan	5,765	21	
			11,507		1		Mississippian	5,803		
Novinger Northwest ('55)	15-33-30W	40	5,104	5,104	1		Lans.-K.C.	4,553	5	
Total Meade County		10,480	469,348	1,711,156	66					

Beagle	19-22E	40	429	3				
Block	18-24E			34	1	"Squirrel"	500	16
a		480	3,724					
b		40	536					
Louisburg	17-25E			111	8	Knobtown	270	
a		640	44,712			"Peru"	430	
b		160	488			"Squirrel"	600	
c		640	13,362					
d		10	2,765					
Paola-Rantoul* ('60)	17-23E			1,128	60	Knobtown	300	25
a		3,600	317,965			Hepler	400	15
b		500	7,859			"Peru"	500	35
c		320	500			"Squirrel"	600	
d		1,800	90,775			"Bartlesville"	700	
e		2,400	12,894					
f		2,500	82,651					
g		480	51,169					
h		40	192					
i		80	132					
j		1,600	13,917					
k		40	537					
l		240	224					
m		120	675					
n		160	1,503					
o		40	31					
p		1,280	25,338					
q		160	1,476					
r		160	726					
s		10	450					
t		20	560					
Miscellaneous			1,136	2				
Total Miami County		17,560	676,726	15,894,190 recorded	1,278	69		

TABLE 57.—*Oil production in Kansas during 1955, continued.*

Field name and year of discovery	Discovery well location	Area, acres	Oil production, bbls. during 1955	Oil production, bbls. to end, 1955	Producing wells	Wells abd., 1955	Producing zone: Name	Depth, ft.	Thickness, ft.	Aver. grav.
MONTGOMERY COUNTY										
Brewster	32-16E				13	1	"Bartlesville"	900		
a		20	399				Arbuckle			
b		40	820							
c		480	34,536							
Caney	35-14E				37		"Bartlesville"	1,320	21	
a		20	222							
b		680	10,092							
Coffeyville-Cherryvale* ('02)	33-17E				405	12	"Wayside"	400		
a		80	2,055				Fort Scott	600		
b		40	877				"Bartlesville"	1,000		
c		40	2,616				Arbuckle	1,300		
d		4,500	42,466							
e		320	42,755							
f		480	16,411							
g		10	54							
h		80	1,465							
i		80	2,109							
j		20	553							
k		10	361							
l		200	27,991							
m		320	6,308							
n		10	320							
Coleman ('21)	28-32-14E	640	5,222		17		Arbuckle	1,700		
Elk City	31-13E	20	696		3					
Jefferson-Sycamore ('03)	18-33-15E				935	23	"Weiser"	800	15	
a		80	1,101				"Bartlesville"	1,200		
b		1,080	161,393							
c		160	1,823							
d		?	822							
e		960	53,231							

f		10	271						
g		8,000	185,391						
h		320	7,545						
i		320	13,717						
j		320	5,240						
k		40	992						
l		10	212						
m			2,820						
n		320	3,137						
o		480	23,486						
p		10	75						
q		1,000	43,253						
r		?	747						
s		?	19,361						
t		10	187						
Neodesha*	31-16E				74		"Bartlesville"	950	
a		640	3,789						
b		20	680						
c		1,280	19,784						
d		80	4,195						
e		320	6,804						
f		40	1,710						
"Scott"	18-31-15E		no report						
Sorghum Hollow	32-14E				124	1	"Weiser"	800	
a		2,500	110,348						
b		20	370						
Tyro ('04)	13-35-14E				92	4	"Bartlesville"	1,250	
a		20	861						
b		40	1,776						
c		3,200	26,932						
Wayside-Havana* ('04)	34-14E				874	9	"Wayside"	575	22
a		500	2,966				"Weiser"	700	
b		10	298				"Bartlesville"	1,200	
c		9,600	186,102						
d		160	2,093						
e		120	3,437						
Miscellaneous			2,384		15				
Total Montgomery County		39,760	1,097,661	43,806,688 recorded	2,589	50			

TABLE 57.—*Oil production in Kansas during 1955, continued.*

Field name and year of discovery	Discovery well location	Area, acres	Oil production, bbls. during 1955	Oil production, bbls. to end, 1955	Producing wells	Wells abd., 1955	Producing zone Name	Depth, ft.	Thickness, ft.	Aver. grav.
MORRIS COUNTY										
Burdick ('49)	15-17-5E	120	2,616	28,927	3		Mississippian	2,220	45	
Comiskey ('55)	23-16-9E		no report				Viola	2,987		
John Creek ('53)	26-15-9E	640	52,644	55,123	10		Viola	3,090	6	
Nelson ('28)	30-17-5E		no report				Mississippian	2,295		
Nelson West ('53)	30-17-5E		no report	688			Mississippian	2,297	16	
Three Mile Creek ('50)	25-16-5E	240	3,134	85,745	4		Mississippian	2,208	50	
Three Mile Creek South ('50)	35-16-5E	240	11,749	118,067	10		Mississippian	2,183	24	
Total Morris County		1,240	70,143	288,550 recorded	27					
MORTON COUNTY										
Boehm ('51)	14-33-42W	120	5,419	10,606	4		Morrowan			
Interstate ('54)	29-34-43W	300	129,367	148,725	22		Morrowan	4,210		
Richfield ('48)	17-32-40W		no runs	829	1		Atokan	4,990		
Total Morton County		420	134,786	160,160	27					
NEMAHA COUNTY										
Sabetha ('50)	13-2-14E	80	5,778	53,396	2		"Hunton"	2,826	8	
Strahm ('48)	27-2-14E	160	20,725	147,387	3		"Hunton"	2,879	2	
							Viola	3,559		
Strahm East ('53)	26-2-14E	20	476	7,671	1		"Hunton"	2,826	11	
Total Nemaha County		260	26,979	208,454	6					
NEOSHO COUNTY										
Erie ('03)	28-20E				262		"Bartlesville"	650	25	
a		4,000	88,316							
b		480	2,826							

Humboldt-Chanute*	27-18E				988	29	"Bartlesville"	700	23	
a		10	298							
b		240	3,094							
c		8,000	410,674							
d		240	4,798							
e		10	255							
f		360	11,967							
g		300	3,594							
h		40	2,293							
i		10	386							
j		40	1,132							
k		10	71							
l		10	12							
m		20	993							
n		640	16,618							
o		10	424							
p		320	5,885							
q		240	1,549							
Kimball	27-21E	80	3,050		6					
Morehead	30-30-18E	640	18,390		34		"Bartlesville"	850		
St. Paul-Walnut*	29-21E				104		"Bartlesville"	550		
a		1,500	25,056							
b		120	1,073							
c		10	267							
d		480	3,894							
Thayer	29-17E	640	10,600		20					
Trent	28-21E				28					
a		320	13,245							
b		10	419							
Urbana	28-18E	640	3,424		14		"Bartlesville"	750		
Miscellaneous			96		2					
Total Neosho County		19,420	634,699	23,617,287 recorded	1,458	29				
NESS COUNTY										
Aldrich ('29)	7-18-25W	5,200	223,800	3,372,905	44	1	Warsaw	4,428	2	34
Aldrich Northeast ('54)	23-17-25W	160	96,799	104,379	14		Mississippian	4,398	7	34

TABLE 57.—*Oil production in Kansas during 1955, continued.*

Field name and year of discovery	Discovery well location	Area, acres	Oil production, bbls. during 1955	Oil production, bbls. to end, 1955	Producing wells	Wells abd., 1955	Producing zone Name	Depth, ft.	Thickness, ft.	Aver. grav.
Arnold ('43)	22-16-25W	300	25,075	399,674	5		Fort Scott	4,436	21	
							Warsaw	4,528		
Davenport ('55)	36-16-21W	40	6,266	6,266	2		Cherokee	4,045	2	
Kansada West ('50)	28-17-26W		no report	none			Mississippian	4,438		
Manteno ('45)	31-19-25W		no runs	56,158	2		Warsaw	4,549		
Vermilion ('55)	6-17-24W	40	2,748	2,748	1		Marmaton	4,385	11	
Pools or fields abandoned			no runs	7,581						
Total Ness County		5,740	354,688	3,949,711	68	1				
NORTON COUNTY										
Norton ('53)	36-3-24W	2,180	964,990	1,695,537	117		Arbuckle	3,778	12	31
							Reagan			
Ray* ('40)	32-5-20W	340	36,431	356,143	6		Lans.-K.C.	3,297		
							Arbuckle	3,575		
							Reagan	3,540	13	
Ray North ('54)	13-5-21W		no report	none			Arbuckle	3,544		
Ray Northwest ('53)	22-5-21W	80	8,878	14,479	3		Arbuckle	3,605	1	31
Ray West ('45)	26-5-21W	200	22,723	178,598	5		Arbuckle	3,650	9	31
Pools or fields abandoned				32,054						
Total Norton County		2,800	1,033,022	2,276,811	131					
OSBORNE COUNTY										
Ruggles ('52)	23-10-15W	640	82,276	328,446	12		Shawnee	2,986		30
							Lans.-K.C.	3,024		
							Penn. congl.	3,394	16	
PAWNEE COUNTY										
Ash Creek* ('47)	31-20-15W		no runs	240,495	1		Arbuckle	3,787		
Ash Creek Southwest ('47)	11-21-16W	40	9,883	117,204	2		Arbuckle	3,779	13	

Benson ('45)	30-23-15W	1,800	182,175	709,524	25		Lans.-K.C.	3,853	68	
Carpenter ('55)	25-23-17W	40	1,231	1,231	1		Marmaton	4,123		
							Penn.-Miss.	4,158	10	
Carpenter West ('55)	26-23-17W	40	573	573	1	1	Cherokee	4,240	4	
Conkling ('53)	4-20-18W		no report	none			Arbuckle	4,020		
Dunes ('53)	22-22-15W	680	72,369	197,554	8	1	Arbuckle	3,956	24	
Dunes Southwest ('53)	33-22-15W	40	7,416	22,684	1		Lans.-K.C.	3,728	8	20
Evers ('51)	1-22-16W	400		231,239			Lans.-K.C.	3,525	6	34
			15,073		2		Penn. congl.	3,814		
			35,740		5		Simpson	3,861	4	
			11,041		2		Arbuckle	3,908	11	
Evers Northeast ('53)	31-21-15W	80	789	7,415	2	1	Arbuckle	3,915		39
Garfield ('47)	17-23-17W	8,000	916,006	1,085,401	166		Penn.-Miss.	4,279		
							"Kinderhook"	4,276	5	
Garfield Northeast ('54)	3-23-17W		Combined with Garfield							
Garfield Southwest ('54)	30-23-17W		no report	none			Mississippian	4,317		
							Misener	4,347		
Garfield West ('55)	3-23-18W	40	4,893	4,893	2		Penn. congl.	4,310	13	
Hearn ('53)	35-23-15W	40	8,881	12,473	1		Lans.-K.C.	3,833		
Jab East ('55)	1-23-17W		Combined with Garfield						6	
Jay ('54)	3-23-15W	480	51,481	55,662	7		Lans.-K.C.	3,668	14	
							Simpson	4,025		
Larned ('49)	28-21-16W	2,600	541,400	1,486,575	54	1	Arbuckle	3,877	5	
Lovett ('54)	35-22-15W	320	13,123	14,773	2		Lans.-K.C.	3,682	8	37
Oro ('53)	9-20-19W	640	97,017	184,540	13		Penn. congl.	4,204	5	39
Oro West ('53)	8-20-19W		no runs	3,891	1		Penn. congl.	4,124		
Pawnee Rock* ('36)	13-20-16W	3,500	214,137	3,871,412	60	4	Arbuckle	3,832	16	
Rutherford ('46)	8-20-16W	300	16,277	299,212	6		Arbuckle	3,815	9	
Ryan* ('45)	35-19-16W	420	21,848	535,692	7	3	Arbuckle	3,656	5	32
Ryan Southeast ('45)	12-20-16W	300	8,894	325,644	9		Arbuckle	3,688	3	
Shady ('48)	35-22-16W		no runs	6,038	1		Arbuckle	4,067		
Shady Southwest ('53)	3-23-16W	120	25,779	51,826	3		Lans.-K.C.	3,705	5	
Shiley ('54)	14-20-20W	200	40,152	68,743	5		Penn. congl.	4,173	7	
Shiley East ('54)	18-20-19W	120	56,119	59,140	8		Cherokee	4,223	2	38
Sweeney ('53)	8-21-15W	300	23,200	29,972	12		Arbuckle	3,831		
Sweeney Southwest ('55)	25-21-16W	40	3,300	3,300	2		Arbuckle	3,901	3	
Zook ('42)	16-23-16W		no report	7,016			Arbuckle	4,066		
Total Pawnee County		20,540	2,378,797	9,634,122	409	10				

TABLE 57.—*Oil production in Kansas during 1955, continued.*

Field name and year of discovery	Discovery well location	Area, acres	Oil production, bbls. during 1955	Oil production, bbls. to end, 1955	Producing wells	Wells abd., 1955	Producing zone Name	Depth, ft.	Thickness, ft.	Aver. grav.
PHILLIPS COUNTY										
Beckman ('51)	3-4-19W	40	1,945	9,464	1		Lans.-K.C.	3,201	4	
Bow Creek ('39)	25-5-18W	120	4,194	77,210	3		Lans.-K.C.	3,111	53	
Dayton ('41)	36-2-19W	1,540	44,805	1,153,634	17		Lans.-K.C.	3,430	8	
Fredericksburg ('52)	4-1-18W	40	2,559	11,716	1		Lans.-K.C.	3,457	3	
Glenwood ('51)	21-1-17W	40	3,839	20,026	1		Lans.-K.C.	3,597	21	37
Hansen ('43)	14-5-20W	1,100	201,128	2,572,909	36		Lans.-K.C.	3,363		
						1	Arbuckle	3,530	6	
Hansen West ('52)	15-5-20W	40	5,041	21,835	1		Arbuckle	3,543	11	
Huffstutter ('49)	6-2-18W	5,000	278,506	3,281,649	121	3	Lans.-K.C.	3,444	36	
Huffstutter Southwest ('51)	23-2-19W	200	21,295	118,787	5		Lans.-K.C.	3,458	4	
Kent ('51)	22-1-18W		no report	1,472			Lans.-K.C.	3,432		
Logan ('45)	3-5-20W	420	34,341	445,357	12		Lans.-K.C.	3,149		
							Arbuckle	3,381		
Mont-Sol ('54)	1-4-19W	200	36,919	67,765	5		Lans.-K.C.	3,255	10	
Ray* ('40)	32-5-20W	4,000	1,274,789	18,190,354	143		Lans.-K.C.	3,297		
							Arbuckle	3,575		
						1	Reagan	3,540	13	
Slinker ('51)	25-4-20W	200	21,469	106,520	5		Lans.-K.C.	3,215	8	36
Stuttgart ('50)	14-3-19W	640	36,299	264,618	13		Lans.-K.C.	3,146	3	37
Stuttgart South ('51)	23-3-19W	80	2,830	20,240	1		Lans.-K.C.	3,291	3	
Wolf Creek ('54)	16-4-19W	40	3,189	3,644	1		Lans.-K.C.	3,212	2	
Pools or fields abandoned			no report	1,596						
Total Phillips County		13,700	1,973,148	26,368,796	371	5				
PRATT COUNTY										
Blowout ('52)	8-27-14W	40	1,708	8,053	1		Lans.-K.C.	3,929	7	
Cairo North ('54)	6-28-11W	80	12,607	28,747	2		Viola	4,314	4	37

Chance ('46)	4-27-13W	1,600	353,668	2,964,528	74	2	Marmaton	4,137		34
							Mississippian	4,254		
							Viola	4,250	10	
							Simpson	4,380		
							Arbuckle	4,432	25	
Chance East ('52)	34-26-13W	300	8,905	171,291	1		Lans.-K.C.	3,984	8	37
							Mississippian	4,138		
			46,174		7		Viola	4,261	16	
			5,054		1		Simpson	4,296		
			17,712		2		Arbuckle	4,323		
Chance North ('54)	21-26-13W	80	3,490	9,877	2		Simpson	4,421	6	39
Chance Northwest ('54)	29-26-13W	120	29,537	54,728	3		Simpson	4,422	8	35
Chitwood ('43)	23-28-12W	2,500	350,558	8,062,838	70		Lans.-K.C.			
							Viola			
							Simpson	4,396	14	
							Arbuckle			
Chitwood Northeast ('50)	13-28-12W		Combined with Cunningham							
Clara* ('48)	36-29-14W	140	10,807	186,186	5		Simpson	4,472	4	40
Coats ('44)	24-29-14W	480	11,616	423,871	8		Simpson	4,402	12	
							Arbuckle			
Coats North ('54)	12-29-14W	80	18,017	71,267	2		Marmaton	4,342	10	29
			26,447		2		Simpson	4,584	16	
Cunningham* ('31)	7-28-11W	4,800	88,380	4,814,629	68		Lans.-K.C.	3,390	7	41
						1	Viola	4,330		
Earl ('54)	36-28-14W	200	635	66,543	1		Lans.-K.C.	4,223		
			44,260		4		Simpson	4,520	14	
Earl North ('55)	36-28-14W	40	1,573	1,573	1		Simpson	4,493	17	
Fitzsimmons ('53)	30-27-13W	120	36,670	81,008	5		Lans.-K.C.	4,056	3	
Fitzsimmons South ('54)	31-27-13W	80	326	37,186	1		Lans.-K.C.	4,124	10	38
			32,407		6		Simpson	4,435		
Frisbie ('43)	5-26-13W	400	42,850	406,813	9	1	Lans.-K.C.	3,947	8	
Frisbie Northeast ('48)	4-26-13W	380	50,994	277,918	12		Lans.-K.C.	3,788	19	27
							Viola	4,170	17	
							Simpson	4,274		
Gereke ('53)	12-26-15W	40	11,556	27,991	1		Viola	4,376	21	38
Hertlein ('53)	22-28-13W		no report	307			Lans.-K.C.	3,924		

TABLE 57.—*Oil production in Kansas during 1955, continued.*

Field name and year of discovery	Discovery well location	Area, acres	Oil production, bbls. during 1955	Oil production, bbls. to end, 1955	Producing wells	Wells abd., 1955	Producing zone: Name	Depth, ft.	Thickness, ft.	Aver. grav.
Iuka-Carmi ('37)	11-27-13W	8,780	36,395	16,619,028	15		Lans.-K.C.	4,104	31	
			1,202		1	2	Mississippian	4,112	24	
			40,578		9		Viola	4,195		
			1,122,637		162		Simpson	4,292		
			249,309		54		Arbuckle	4,354		
Iuka-Carmi Northwest ('53)	26-26-13W	400	956	76,377	1		Viola	4,217	16	37
			22,293		4		Simpson	4,276		
			13,631		1		Arbuckle	4,358	18	
Jarboe ('52)	25-26-14W		no report	1,267			Lans.-K.C.	3,834		
Lion ('53)	29-27-11W		no report	none			Viola	4,323		
Lion Northeast ('54)	21-27-11W	40	9,207	16,580	1		Lans.-K.C.	3,796	3	38
Ludwick ('44)	4-29-13W	40	1,694	34,898	1		Simpson	4,490	27	
Moore ('49)	1-26-14W	400	20,521	160,593	2		Viola	4,234		37
			41,177		5		Simpson	4,348		
Moore Southwest ('53)	11-26-14W	500	30,179	100,196	1		Lans.-K.C	3,846		38
					7		Kinderhookian	4,246		
					1		Simpson	4,364	2	
Randle ('55)	5-26-14W	320	5,852	5,852	2		Lans.-K.C.	3,946	8	
Shriver ('44)	33-29-14W	400	25,369	742,748	7		Simpson	4,557	7	
Stark ('41)	18-26-11W	300	4,576	859,076	6		Lans.-K.C.	3,601		
							Viola	4,121	2	
Stoops ('46)	7-29-12W	80	1,953	92,000	2		Viola	4,446		
Stoops Southwest ('46)	24-29-13W	40	1,085	17,453	1		Viola	4,483	8	39
Tatlock ('54)	28-26-15W	40	15,815	17,297	2		Lans.-K.C.	3,925	4	
Total Pratt County		22,820	2,850,380	36,438,719	573	6				
			RENO COUNTY							
Abbyville ('27)	24-24-8W	1,040	35,088	910,209	15		Lans.-K.C.	3,540	9	38
Albion ('48)	14-26-6W	100	1,439	28,366	3		Lans.-K.C.	3,312		31
							"Chat"	3,654		
Albion North ('50)	14-26-6W		no runs	767	1		Viola	3,997		

Bacon ('53)	36-23-5W	40	7,402	15,819			Mississippian	3,382	28	38
Beck ('55)	24-23-9W	40	1,988	1,988	1		Penn. congl.	3,711	4	
Buhler ('38)	25-22-5W	1,200	92,077	1,226,713	15		Viola	3,890	5	
						1	Simpson	3,897	42	
Burrton* ('31)	1-23-4W	11,200	831,827	49,923,123	329		Mississippian	3,266		
			Includes Harvey County production				"Hunton"	3,583		
Castleton ('55)	29-25-6W	80	3,509	3,509	1		Misener	3,992	6	
Grove ('54)	12-25-10W		no runs	739	1		Mississippian	3,884		
Haven ('51)	9-25-4W	80	4,910	24,636	2		Simpson	3,977	4	30
Hilger ('34)	16-26-4W	900	39,008	4,783,270	14		Viola	4,062	5	
Hilger Southwest ('55)	29-26-4W	80	8,945	25,563	3		Misener	3,955		
			16,618		4		Viola	4,012	4	
Lerado Southwest ('44)	21-26-9W	40	3,135	137,138	1		Viola	4,177	11	
Morton ('42)	17-24-8W	40	2,076	47,110	1		Lans.-K.C.	3,180	12	38
Morton Southeast ('51)	16-24-8W	40	1,812	10,939	1		Lans.-K.C.	3,423	12	38
Nicklaus ('52)	3-26-4W	120	26,563	66,666	4		Lans.-K.C.	3,249	3	38
Sankey ('51)	22-22-10W	80	2,283	27,701	2		Lans.-K.C.	3,187	8	38
Sankey Southwest ('52)	21-22-10W	40	457	16,830	1	1	Viola	3,548	2	40
Sterling* ('51)	4-22-8W	400	54,698	77,130	9		Mississippian	3,385	12	34
Yoder ('35)	34-24-5W		no report	93,285			"Chat"	3,450	51	
Zenith-Peace Creek* ('41)	21-23-10W		Included with Stafford County			7	Viola	3,773		
Pools or fields abandoned				2,590,055						
Total Reno County		15,520	1,133,835	60,011,556	408	9				

RICE COUNTY

Bell ('53)	9-21-10W	160	23,271	78,584	4		Arbuckle	3,391	4	39
Bingham ('52)	35-19-9W	80	5,024	22,481	2		Arbuckle	3,332		34
Bloomer* ('36)	36-17-11W	1,500	535,075	14,923,728	77		Lans.-K.C.	3,044		
						4	Arbuckle	3,257	8	
Bowman North ('48)	16-19-10W		no runs	13,629	1		Arbuckle	3,331		
Bredfeldt ('48)	7-18-9W	120	4,596	93,283	3		Arbuckle	3,226	8	
Bredfeldt West ('39)	12-18-10W		no report	60,191			Arbuckle	3,260		
Bushton ('54)	11-18-10W		no report	392			Arbuckle	3,281		
Calf Creek ('50)	28-18-10W	200	15,306	145,087	5		Precambrian	3,143	10	40
Calf Creek North ('52)	28-18-10W	40	2,116	10,430	1		Arbuckle	3,248	13	
Chase-Silica* ('31)	32-19-9W	36,000	1,776,080	100,712,323	735		Lans.-K.C.	2,942	10	40
							Simpson	3,242		
						28	Arbuckle	3,252	10	

TABLE 57.—*Oil production in Kansas during 1955, continued.*

Field name and year of discovery	Discovery well location	Area, acres	Oil production, bbls. during 1955	Oil production, bbls. to end, 1955	Producing wells	Wells abd., 1955	Producing zone Name	Depth, ft.	Thickness, ft.	Aver. grav.
Click ('52)	3-18-7W		no report	5,938			Lans.-K.C.	3,050		
Click Southeast ('47)	11-18-7W	80	6,037	49,166	2		Lans.-K.C.	3,065	5	
Crawford ('53)	12-18-7W	320	75,936	112,010	12	1	Penn. congl.	3,194	7	40
Crawford Northwest ('55)	1-18-7W	40	832	832	1		Penn. congl.	3,207	3	
Crawford Southeast ('54)	20-18-6W	40	3,332	5,798	2		Penn. congl.	3,276	6	40
Dymond ('55)	18-21-7W	40	685	685	1		Mississippian	3,392	10	
Engelland ('49)	34-20-7W	40	682	11,073	1	1	Penn. congl.	3,348	6	
Fair ('52)	15-21-10W	40	1,167	5,296	1		Penn. congl.	3,358	10	
Farmer ('52)	24-18-10W	600	71,615	312,209	19		Arbuckle	3,222	6	40
Frederick ('51)	10-18-9W	80	27,987	49,362	1		Penn. congl.	3,213	26	
					10		Simpson	3,280	10	
Galt ('52)	8-18-7W	200	10,492	75,411			Arbuckle	3,193	4	
Geneseo-Edwards* ('34)	25-18-8W	6,900	2,051,508	38,542,871	300		Lans.-K.C.	2,787		39
							Penn. congl.	3,222		
						5	Arbuckle	3,132		
Glen Sharrald ('50)	20-18-10W	120	2,774	33,803	3		Lans.-K.C.	3,118	25	40
Green ('53)	14-19-6W		no report	618			Mississippian	3,388		
Guldner ('55)	17-18-9W		no report	none			Arbuckle	3,250		
Heinz ('38)	8-18-10W	300	10,513	320,802	7		Lans.-K.C.	3,000		
							Arbuckle	3,254	14	
Ixl ('50)	4-19-10W	700	31,260	205,629	9		Lans.-K.C.	3,068		40
						1	Arbuckle	3,308	22	
Keller ('43)	3-19-9W		no runs	42,983	1		"Sooy"	3,240		
Lyons ('49)	14-20-8W	40	1,205	73,682	1		Lans.-K.C.	3,226		
							Arbuckle	3,277		
							Misener	3,315	16	
							Penn. congl.			
Mary Ida* ('50)	31-18-10W	640	80,913	562,765	15		Lans.-K.C.	3,033		36
							Arbuckle	3,272	5	
Meadowside* ('49)	24-18-11W	40	18,406	18,406	3		Lans.-K.C.	3,079	12	38
							Arbuckle	3,366		
Munyon ('50)	34-18-10W	120	14,544	58,262	3		"Sooy"	3,270		43
							Arbuckle	3,275		

Munyon East ('53)	34-18-10W		no runs	5,234	1		Arbuckle	3,274		
Munyon South ('51)	3-19-10W	200	27,860	110,959	6		Arbuckle	3,300	13	43
Odessa ('49)	32-18-6W	400	31,690	305,974	11		Lans.-K.C.	3,092	6	30
Odessa South ('49)	9-19-6W	120	8,088	52,517	3		Lans.-K.C.	3,069	6	39
Orth ('32)	27-18-10W	1,600	144,577	2,995,753	54		Shawnee			40
							Lans.-K.C.	2,915	10	
						3	"Sooy"	3,187	21	
							Precambrian	3,240	27	
Orth West ('44)	21-18-10W	600	42,773	650,238	17		Shawnee	2,688	37	41
							Arbuckle	3,235		
Ponce ('36)	28-21-7W	40	1,942	67,285	1		"Sooy"	3,388	40	
Prosper ('48)	6-18-9W		no runs	10,256			Arbuckle	3,232		
Prosper East ('50)	5-18-9W	200	13,551	186,263	5	1	Arbuckle	3,222	16	
Raymond ('29)	21-20-10W	2,800	193,895	14,039,594	75		Wabaunsee	2,285		
						4	Lans.-K.C.	3,130	10	
							Arbuckle	3,330	41	
Raymond East ('54)	25-20-10W		270	3,199		1	Simpson	3,306		
			Abandoned during 1955							
Rick* ('36)	1-19-11W	40	2,069	58,741	1		Lans.-K.C.	3,106		41
							Arbuckle	3,355		
Rick Southeast ('47)	18-19-10W	100	9,799	101,276	3		Lans.-K.C.	3,026		36
							Arbuckle	3,334	5	
Rickard ('35)	22-18-9W	40	2,836	200,691	1		Arbuckle	3,324	7	
Ringwald ('49)	32-18-10W	500	68,475	593,723	8		Lans.-K.C.	2,947	5	38
			14,478		3	1	Precambrian	3,072		
Roesler* ('43)	14-18-11W	400	19,708	139,467	7		Arbuckle	3,291	7	
Silica South* ('35)	24-20-11W	460	94,664	1,433,294	15		Lans.-K.C.	3,035		
							Arbuckle	3,268		
Staatz ('53)	15-18-9W	80	13,196	30,006	2		Penn. congl.	3,247		37
Sterling* ('51)	4-22-8W	200	7,236	31,629	3		Mississippian	3,385	12	
Union East ('50)	27-20-8W	280	4,687	61,605	7		"Sooy"	3,305	9	
Volkland ('43)	27-18-9W	400	25,233	728,475	7		Arbuckle	3,221	30	
Welch-Bornholdt* ('24)	35-20-6W	6,300	1,062,734	14,063,120	263	4	"Chat"	3,370		
Welch North ('37)	23-20-6W	160	8,782	124,109	4		"Chat"	3,334	32	
Wherry ('33)	11-21-7W	7,000	164,867	11,685,834	74		"Sooy"	3,358	22	
Wherry North ('47)	35-20-7W	160	51,085	617,540	19		"Sooy"	3,423	10	
Windom* ('53)	30-19-5W	120	16,814	16,814	3		Penn. congl.	3,412		
Pools or fields abandoned				284,228						
Total Rice County		70,640	6,802,665	205,145,553	1,802	54				

TABLE 57.—*Oil production in Kansas during 1955, continued.*

Field name and year of discovery	Discovery well location	Area, acres	Oil production, bbls. during 1955	Oil production, bbls. to end, 1955	Producing wells	Wells abd., 1955	Producing zone Name	Depth, ft.	Thickness, ft.	Aver. grav.
ROOKS COUNTY										
Allphin ('53)	33-10-20W	160	82,625	101,075	7		Arbuckle	3,729	7	20
Allphin Northwest ('54)	32-10-20W	200	18,547	129,715	3		Lans.-K.C.	3,638	6	35
			88,002		13		Arbuckle	3,736		
Amboy ('50)	16-10-20W		Combined with Palco Southeast							
Amboy Southwest ('55)	17-10-20W	40	614	614	1		Arbuckle	3,811	4	
Annon ('51)	27-10-20W	120	21,467	98,405	4		Arbuckle	3,711	6	31
Barry ('42)	11-9-19W	1,700	115,748	7,694,572	17		Lans.-K.C.		35	
			422,441		49	2	Arbuckle	3,435	5	
Barry East ('47)	6-9-18W	640	2,194	672,770	1		Lans.-K.C.	3,280	9	23
			59,399		9		Arbuckle	3,489	6	
Barry Southeast ('46)	13-9-19W	700	3,877	1,756,230	1		Lans.-K.C.	3,228		26
			127,127		21	1	Arbuckle	3,479	7	
Bassett ('51)	20-10-20W	40	582	3,870	1		Arbuckle	3,749	18	
Baum ('42)	10-10-16W	40	1,565	24,344	1		Lans.-K.C.	3,057	15	
Baumgarten ('50)	25-9-19W	1,880	14,939	461,944	4		Lans.-K.C.	3,401		25
			117,695		18		Arbuckle	3,621	7	
Belmont ('49)	28-7-19W	40	1,707	14,925			Lans.-K.C.	3,337	8	
Berland East ('53)	20-10-19W		Abandoned during 1955				Arbuckle	3,778	4	
Berland South ('51)	31-10-19W		no report	16,854			Lans.-K.C.	3,480	10	
Berland Southeast ('53)	29-10-19W	200	24,378	57,916	4		Arbuckle	3,755	5	26
Berland Southwest ('49)	26-10-20W	440	24,206	289,858	10		Arbuckle	3,728	4	26
Brungardt* ('52)	35-10-17W	500	47,026	183,051	14		Lans.-K.C.	3,194	15	37
							Penn. congl.	3,449		
							Arbuckle	3,644		
Brungardt Northwest ('53)	34-10-17W	40	4,713	14,090	1		Arbuckle	3,477	7	30
Burnett* ('37)	1-11-18W	700	98,549	1,535,508	23		Lans.-K.C.	3,093	4	
							Arbuckle	3,570	8	
Burnett Northwest* ('46)	3-11-18W	280	35,988	442,086	7		Lans.-K.C.	3,450	4	32
							Arbuckle	3,617	7	
Carmichael ('55)	33-8-18W	40	28,312	28,312	3		Lans.-K.C.	3,210	8	

[illegible] West ('51)										37
Colby ('53)	15-9-19W									
Dancer ('52)	27-10-17W		Combined with Jelinek							30
Dopita ('34)	4-8-17W		no report							
	31-8-17W	40	805	1,462						
Dopita East ('52)		3,600	403,415	9,485	1		Lans.-K.C.	3,384		
				1,832,951	77		Lans.-K.C.	3,140	12	26
	29-8-17W	400					Lans.-K.C.	3,212	5	
Dopita Southeast ('54)			66,774	156,660		3	Arbuckle	3,409	10	
Dorr ('42)	5-9-17W		Combined with Dopita				Lans.-K.C.	3,304	6	
Dorr South ('53)	20-9-16W	840	90,531	966,875	24		Arbuckle	3,421		
	20-9-16W	80	18,154	34,414	2		Lans.-K.C.	3,230	21	
Elm Creek ('51)							Toronto	3,178	10	35
	19-8-17W		Combined with Dopita				Lans.-K.C.	3,233	10	
Faubion (revived) ('36)	12-6-18W	160	2,269	52,129	1		Lans.-K.C.	3,162	3	
Fehnel ('52)	16-10-19W	80	8,649	42,731	2		Lans.-K.C.	3,480	14	36
Finnesy ('47)	14-10-18W	80	4,676	37,274	2		Lans.-K.C.	3,419		35
Flagler ('55)	15-10-18W	40	5,741	5,741	1		Lans.-K.C.	3,445	6	
Ganoung ('53)	31-9-17W	80	5,759	24,756	2		Lans.-K.C.	3,281		
							Penn. congl.	3,524	7	
Gick ('47)	30-9-19W	280	40,617	258,270	8	1	Arbuckle	3,578	12	34
Gra-Rook ('48)	30-9-20W	800	182,919	1,196,670	20	1	Penn. congl.	3,810		
							Arbuckle	3,869	4	
Grover ('50)	22-7-19W	400	20,327	139,488	9		Lans.-K.C.	3,272	40	32
							Arbuckle	3,408	13	
Hayden ('49)	31-8-19W	400	64,518	559,163	13		Lans.-K.C.	3,289		33
							Arbuckle	3,513	4	
Hillside ('52)	12-8-20W	40	2,156	12,152	1		Shawnee	3,206	8	28
Jelinek ('47)	23-9-19W	2,700	17,216	3,879,739	3		Lans.-K.C.	3,220		23
			571,130		80		Arbuckle	3,537	15	
Kern ('50)	28-9-20W	200	42,664	276,798	5		Arbuckle	3,855	5	
Krueger* ('48)	35-10-16W	380	69,486	504,533	12		Lans.-K.C.	3,552	59	36
							Arbuckle			
Kruse ('51)	3-10-16W	440	37,250	258,532	11		Lans.-K.C.	3,094	26	38
Kruse Northwest ('53)	34-9-16W	120	10,766	26,087	3		Lans.-K.C.	3,200	6	
Laton ('27)	11-9-16W	4,100	209,857	4,665,670	101	3	Lans.-K.C.	3,228	33	30
Laura* ('50)	30-10-20W	80	10,097	42,808	2		Lans.-K.C.	3,619	6	30
							Arbuckle	3,706	2	
Laura Southeast ('52)	30-10-20W	600	6,007	185,200	2		Lans.-K.C.	3,543		
			44,627		6		Arbuckle	3,667	5	
Locust Grove ('49)	8-7-19W	40	2,645	24,311	1		Arbuckle	3,450	14	
Locust Grove Southeast ('51)	9-7-19W		no report	4,525			Arbuckle	3,400		

TABLE 57.—*Oil production in Kansas during 1955, continued.*

Field name and year of discovery	Discovery well location	Area, acres	Oil production, bbls. during 1955	Oil production, bbls. to end, 1955	Producing wells	Wells abd., 1955	Producing zone Name	Depth, ft.	Thickness, ft.	Aver. grav.
Lone Star ('48)	4-8-17W	860	72,737	316,735	16	1	Lans.-K.C.	3,259		
							Arbuckle	3,382	17	
Lone Star Southwest ('51)	8-8-17W	80	3,536	23,716	1	1	Arbuckle	3,299	20	25
Lynd ('51)	32-9-19W	500	67,412	325,044	14	2	Arbuckle	3,750	7	27
Lynd Southwest ('52)	5-10-19W	40	217	5,025	1		Arbuckle	3,759	4	29
McClellan ('45)	9-9-19W	40	3,208	66,226	1		Lans.-K.C.	3,343	5	34
McHale ('48)	8-9-18W	640	40,476	431,413	8		Lans.-K.C.	3,436		26
						2	Arbuckle	3,494	2	
McHale South ('49)	17-9-18W		Combined with McHale							
Marc ('48)	18-9-19W	80	1,096	18,775	2		Lans.-K.C.	3,370	8	
Marcotte ('43)	15-10-20W	6,400	113,779	11,221,466	25	2	Lans.-K.C.	3,596	6	
			1,597,485		234		Arbuckle	3,752		
Marcotte North ('50)	31-9-19W	240	31,003	136,998	5		Arbuckle	3,770		29
Marcotte South ('51)	22-10-20W	80	18,057	59,321	2		Arbuckle	3,719	6	29
Marcotte Southwest ('51)	21-10-20W	160	10,377	65,179	3		Arbuckle	3,743		27
Mayhew ('51)	24-9-19W	80	2,697	22,719	2	1	Arbuckle	3,613		25
Medicine Creek ('52)	18-8-16W	120	3,828	23,408	3	1	Lans.-K.C.	3,054	17	36
Mt. Ayr ('52)	13-10-18W	120	2,647	10,928	3		Lans.-K.C.	3,554	12	
							Penn. congl.	3,648		
Muilenburg* ('49)	1-10-21W	120	19,632	38,496	3		Arbuckle	3,839	3	29
Nettie ('48)	34-9-17W	700	143,773	891,465	34		Lans.-K.C.	3,243		
							Simpson	3,499		
							Arbuckle	3,513	32	
Nettie Southeast ('55)	2-10-17W	160	2,812	2,812	1		Lans.-K.C.	3,268	3	
Northampton ('48)	26-9-20W	1,200	14,617	3,138,662	2		Lans.-K.C.	3,596	4	27
			409,902		52		Arbuckle	3,803	11	
Northampton Southeast ('53)	35-9-20W		Combined with Marcotte							
Nutsch ('54)	3-10-20W	40	11,842	17,450	2		Arbuckle	3,840	8	29
Nyra ('46)	16-9-17W	400	15,206	200,880	8		Lans.-K.C.	3,429		
						1	Arbuckle	3,501		
Palco ('43)	5-10-20W	1,100	224,911	2,281,157§	37		Arbuckle	3,824	19	
Palco Southeast ('49)	3-10-20W	680	1,649	643,423	1		Lans.-K.C.	3,728		
			101,796		21		Arbuckle	3,827	10	
[illegible]	[illegible]	500	8,654	[illegible]	1		Arbuckle	[illegible]	1	
Palco Townsite ('45)	30-9-20W	80	3,099	35,906	1		Arbuckle	3,917	15	20
Paradise Creek ('47)	21-9-18W	1,100	141,082	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]

Palco Southwest ('51)	7-10-20W	200	8,624	82,485	4		Arbuckle	3,594	13	23
Palco Townsite ('45)	20-9-20W	80	3,099	35,906	2		Lans.-K.C.	3,477		38
Paradise Creek ('47)	21-9-18W	1,100	143,082	2,265,411	35		Arbuckle	3,613	2	
Paradise Creek West ('53)	20-9-18W	160	55,802	107,212	5		Arbuckle	3,600	6	38
Plainville ('48)	31-9-17W	80	3,820	29,983	1	1	Lans.-K.C.	3,230		36
Ray Southeast ('42)	9-6-20W	40	2,760	84,746	1		Reagan	3,291		36
Riffe ('51)	4-7-19W	120	8,463	41,571	3		Lans.-K.C.	3,545	15	
Slate ('51)	31-6-19W	120	6,102	27,345	3		Arbuckle	3,573		
Spaulding* ('53)	1-11-21W	160	8,357	8,357	4		Lans.-K.C.	3,394		
Stamper ('50)	28-8-17W		no report	910			Marmaton	2,692		
Stockton ('37)	35-7-17W	400	19,804	183,928	8		Shawnee	3,180	62	
Sweet ('51)	18-8-18W		no report	4,738			Lans.-K.C.	3,423		
Vohs ('45)	14-10-19W	940	180,668	2,129,148	24		Arbuckle	3,365	7	
Vohs Northwest ('47)	9-10-19W	80	8,837	123,880	2		Lans.-K.C.	3,446	8	34
						1	Arbuckle	3,738		
Vohs South ('47)	23-10-19W		no report	12,524			Lans.-K.C.	3,303		
Webster ('46)	27-8-19W	3,600	152,117	2,596,107	50	3	Arbuckle	3,403	5	23
Westhusin ('36)	11-9-17W	1,500	114,794	2,332,200	37		Lans.-K.C.	3,231	11	37
						1	Arbuckle	3,408		
Whisman ('50)	9-9-20W		no report	none			Lans.-K.C.	3,427		
Williams ('53)	9-10-18W	240	7,503	220,257	2		Toronto	3,386		19
			28,082		3		Lans.-K.C.	3,459		
			34,542		5		Simpson	3,717		
			2,756		1		Arbuckle	3,733	6	
Williams Northwest ('53)	6-10-18W	40	4,770	13,803	1		Lans.-K.C.	3,409	46	26
Williams Southeast ('53)	16-10-18W	200	38,100	58,007	6		Lans.-K.C.	3,444	3	36
Yohe ('49)	4-9-18W	40	3,957	44,671	1		Lans.-K.C.	3,266	24	
Zurich ('35)	26-10-19W	800	26,965	411,017	9		Shawnee	3,087		37
							Lans.-K.C.	3,340	9	
Zurich Southwest ('52)	34-10-19W	40	4,168	16,149	1		Lans.-K.C.	3,385	9	28
Zurich Townsite ('44)	27-9-19W	360	5,865	488,069	1		Lans.-K.C.	3,462		
			45,517		7		Arbuckle	3,647	6	
Pools or fields abandoned				96,885						
Total Rooks County		47,880	7,112,975	60,081,180$	1,298	28				

TABLE 57.—*Oil production in Kansas during 1955, continued.*

Field name and year of discovery	Discovery well location	Area, acres	Oil production, bbls. during 1955	Oil production, bbls. to end, 1955	Producing wells	Wells abd., 1955	Producing zone Name	Depth, ft.	Thickness, ft.	Aver. grav.
RUSH COUNTY										
Chilly Knob ('53)	18-19-17W		no report	none			Arbuckle	3,928		
Hungry Hollow ('51)	6-16-17W		Abandoned during 1955			1	Lans.-K.C.	3,344		
Otis-Albert* ('34)	10-18-16W	2,200	138,578	5,052,916	43	1	Reagan	3,527	9	
Reichel ('53)	23-17-17W	40	63	63	1		Lans.-K.C.	3,330		
Rush Center ('47)	16-18-18W	900	80,979	218,553	10	1	Arbuckle	3,836	15	
Rush Center Northeast ('54)	10-18-18W	80	29,277	36,394	5	1	Arbuckle	3,783	5	
Ryan* ('45)	35-19-16W	2,300	90,108	1,943,430	62	2	Arbuckle	3,656	5	32
Timken ('52)	28-18-17W		no report	1,297			Arbuckle	3,729		
Webs ('54)	16-19-20W	40	60,896	61,686	7		Penn. congl.	4,202	10	
Webs Northwest ('55)	8-19-20W		no report	none			Penn. congl.	4,240		
Weitzel ('47)	1-16-20W	40	1,714	42,110	1		"Gorham"	3,374		35
Pools or fields abandoned				63,019						
Total Rush County		5,600	401,615	7,419,468	129	6				
RUSSELL COUNTY										
Atherton North ('45)	7-13-14W	40	689	76,503	1	1	Arbuckle	3,195	5	
Beaver North* ('37)	4-16-12W	40	4,276	71,736	1		Arbuckle	3,316	10	39
Beisel ('44)	15-14-12W		no report	18,617			Arbuckle	3,266		
Boxberger ('35)	36-15-15W	100	1,977	237,012	2		Lans.-K.C.	3,147	4	
Claussen ('44)	27-12-14W	200	11,089	93,702	5	1	Lans.-K.C.	2,855		39
Claussen North ('49)	22-12-14W		no report	9,730			Lans.-K.C.	2,956		
Claussen West ('49)	29-12-14W		no report	1,217			Lans.-K.C.	2,841		
Coal Creek ('51)	22-15-11W		no report	none			Penn. congl.	3,178		
Cook ('50)	26-13-15W	220	10,831	85,242	7		Lans.-K.C.	3,051	23	36
							Arbuckle	3,314		
Davidson* ('30)	4-16-11W	160	10,209	229,044	5		Lans.-K.C.	3,016		
							"Sooy"	3,317	9	
							Arbuckle	3,314		
Dillner Northwest ('47)	27-13-15W	40	no runs	9,640	1	1	Arbuckle	3,318		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	
Eulert ('49)	35-11-15W	540	87,452	901,349	17	2	Arbuckle	3,330	5	
Eulert West ('54)	34-11-15W	40	5,611	13,875	1		Arbuckle	3,316	13	23
Fairport* ('23)	8-12-15W	4,000	715,836	23,290,623	169		Lans.-K.C.	2,984	6	42
							Lans.-K.C.	2,950	12	32
						4	"Sooy"	3,137	5	
							"Gorham"	3,211		
							Simpson	3,312		
Fay ('52)	2-12-15W	40	2,014	11,868	1		Arbuckle	3,316		
Fossil Creek ('53)	11-14-14W		no report	none			Reagan	3,350		
Gorham ('26)	32-13-15W	15,800	1,571,398	59,094,486	449	12	Arbuckle	3,238	12	36
							"Langdon"	2,341		
							Shawnee	2,765		
							Lans.-K.C.	2,908	48	
							"Gorham"	3,152	5	
							Arbuckle	3,289		
Hall-Gurney*('31)	30-14-13W	29,000	3,880,241	67,339,287	1,217	22	Reagan	3,299	5	
							Tarkio	1,945		

Donovan ('35)										
Dubuque ('35)	10-15-15W	120	7,860	244,611	3		Lans.-K.C.	3,193	7	
	34-15-12W	750	50,862	1,155,831	19		Lans.-K.C.	3,275	3	
Eulert ('49)						2	Arbuckle	3,330	5	
Eulert West ('54)	35-11-15W	540	87,452	901,349	17		Arbuckle	3,316	13	22
Fairport* ('23)	34-11-15W	40	5,611	13,875	1		Lans.-K.C.	2,984	6	42
	8-12-15W	4,000	715,836	23,290,623	169		Lans.-K.C.	2,950	12	32
						4	"Sooy"	3,137	5	
							"Gorham"	3,211		
							Simpson	3,312		
							Arbuckle	3,316		
							Reagan	3,350		
Fay ('52)	2-12-15W	40	2,014	11,868	1		Arbuckle	3,238	12	36
Fossil Creek ('53)	11-14-14W		no report	none			"Langdon"	2,341		
Gorham ('26)	32-13-15W	15,800	1,571,398	59,094,486	449	12	Shawnee	2,765		
							Lans.-K.C.	2,908	48	
							"Gorham"	3,152	5	
							Arbuckle	3,289		
							Reagan	3,299	5	
							Tarkio	1,985		
Hall-Gurney*('31)	30-14-13W	29,000	3,880,241	67,339,287§	1,217	22	Wabaunsee	2,400		
							Topeka	2,675		
							Oread	2,813		
							Lans.-K.C.	2,985	28	
							"Gorham"	3,165		
							Arbuckle	3,192		
							Precambrian	3,156		
							Lans.-K.C.	2,897		
Heim ('53)	21-14-12W	320	52,619	80,006	7		Penn. congl.	3,189	11	37
							Arbuckle	3,238		
							Lans.-K.C.		5	
Janne ('43)	24-15-12W	300	23,293	259,762	7		Arbuckle	3,319		
							Wabaunsee			
Jerry ('42)	4-15-14W	40	2,440	65,113	1		Lans.-K.C.	2,985		
							Arbuckle			
							Arbuckle	3,325	6	
	30-15-12W	60	21,452	184,056	3		Lans.-K.C.	3,240		
Meier ('48)	31-15-12W	240	29,787	283,477	6		Arbuckle	3,350	6	
Ney ('48)							Lans.-K.C.	3,183		
			no report	none			Shawnee	2,957	7	
Nuss* ('55)	5-16-14W									
Parker ('48)	18-15-12W	340	28,157	324,023	7		Arbuckle	3,259		

TABLE 57.—*Oil production in Kansas during 1955, continued.*

Field name and year of discovery	Discovery well location	Area, acres	Oil production, bbls. during 1955	Oil production, bbls. to end, 1955	Producing wells	Wells abd., 1955	Producing zone Name	Depth, ft.	Thickness, ft.	Aver. grav.
Russell ('34)	22-13-14W	5,300	838,943	15,172,912	187		Lans.-K.C.	3,195	9	
						2	Arbuckle	3,280	6	
Russell East ('49)	25-13-14W	100	2,086	34,830	3		Arbuckle	3,273	11	33
Steinert (revived) ('54)	21-15-15W	40	363	41,262	1		Lans.-K.C.	3,141	3	
Strecker ('43)	21-15-14W	100	2,549	56,912	2		Arbuckle	3,342	3	
Trapp* ('36)	23-15-14W	25,000	3,406,531	99,590,205[5]	875		Tarkio	2,359		
						32	Shawnee	2,889		
							"Dodge"	2,966		
							Lans.-K.C.	3,052		
							Arbuckle	3,252	3	
Trapp East ('49)	14-15-13W	80	3,732	53,468	2		Lans.-K.C.	3,146	7	
							Arbuckle	3,277		
Pools or fields abandoned				312,582						
Total Russell County		83,010	10,772,297	269,342,981[5]	2,999	77				
SALINE COUNTY										
Bachofer ('51)	15-15-2W	160	12,715	50,460	4		Mississippian	2,799	6	
Gypsum Creek* ('44)	4-17-1W	760	132,053	398,461	17		Mississippian	2,619	14	36
Hunter ('43)	20-16-1W	840	53,564	1,219,103	19		"Chat"	2,681	2	
Hunter North ('48)	8-16-1W	300	28,226	242,532	7		Mississippian	2,674	21	36
Mentor ('44)	13-15-3W	120	5,008	41,522	3		Viola	3,258	15	35
Olsson ('29)	10-16-3W	860	34,574	545,031	14		Viola	3,303	12	
Salemsborg ('52)	5-16-3W	4,200	228,001	793,317	56	2	Viola	3,381	54	35
Salina ('43)	30-14-2W	1,400	53,291	1,009,044	22	3	Viola	3,223	8	
Salina South ('46)	32-14-2W	300	15,989	192,732	7		Viola	3,246	8	34
Smolan ('50)	19-15-3W	3,400	559,603	3,354,644	116	1	Viola	3,386	6	37
Swenson ('50)	34-15-3W	80	3,451	29,699	2		Viola	3,353		
Pools or fields abandoned				11,285						
Total Saline County		12,480	1,126,475	7,887,860	267	6				

[illegible] ('51)	10-19-31W	40	8,660	21,864	2		Mississippian	4,567		
Keystone ('50)			10,479		1		Arbuckle	5,050	4	
Shallow Water ('35)	25-18-32W	120	47,550	174,665	3		Lans.-K.C.	4,001	6	25
	15-20-33W	900	19,110	1,883,581	7		Marmaton	4,286		25
							Mississippian	4,660		
Total Scott County		1,060	85,814	2,080,098	13		Ste. Genevieve	4,670	16	
SEDGWICK COUNTY										
Bartholomew* ('48)	30-27-4W	1,700	199,191	2,210,924	60		Mississippian	3,732	25	
Bentley (revived) ('29)	24-25-2W	320	2,206	14,806	1		Kansas City	2,866	24	
Brumley ('55)	19-29-1E	640	1,113	1,113	1		Mississippian	3,352	8	
Butwick* ('49)	7-26-3E		See Butler County	1,939			Mississippian	2,860		
Chambers ('48)	10-29-2W	120	9,069	73,253	3		Mississippian	3,540	4	44
Clearwater ('44)	22-29-2W	200	11,537	138,242	4		Lans.-K.C.	2,913	11	
Cottage ('53)	19-25-2E		no report	559			"Burgess"	3,004		
Crestview ('52)	1-27-1E		no report							

SCOTT COUNTY

Grigston ('54)	10-19-31W	40	8,669	21,852	2	Mississippian	4,577			
			10,479		1	Arbuckle	5,050	4		
Keystone ('50)	25-18-32W	120	47,556	174,665	3	Lans.-K.C.	4,001	6	25	
Shallow Water ('35)	15-20-33W	900	19,110	1,883,581	7	Marmaton	4,286		25	
						Mississippian	4,660			
						Ste. Genevieve	4,670	16		
Total Scott County		1,060	85,814	2,080,098	13					

SEDGWICK COUNTY

Bartholomew* ('48)	30-27-4W	1,700	199,191	2,210,924	60	Mississippian	3,732	25		
Bentley (revived) ('29)	24-25-2W	320	2,206	14,806	1	Kansas City	2,866	24		
Brumley ('55)	19-29-1E	640	1,113	1,113	1	Mississippian	3,352	8		
Butwick* ('49)	7-26-3E		See Butler County	1,939		Mississippian	2,860			
Chambers ('48)	10-29-2W	120	9,069	73,253	3	Mississippian	3,540	4	44	
Clearwater ('44)	22-29-2W	200	11,537	138,242	4	Lans.-K.C.	2,913	11		
Cottage ('53)	19-25-2E		no report	559		"Burgess"	3,004			
Crestview ('52)	1-27-1E		no report	none		"Burgess"	2,982			
Cross ('29)	27-25-1W	40	1,979	89,098	1	Lans.-K.C.	2,690	40		
Curry ('47)	11-27-1W	440	38,547	537,597	15	Lans.-K.C.	2,715			
						Simpson	3,400			
Eastborough ('29)	19-27-2E	900	44,432	9,019,920	14	"Chat"	2,956			
					1	Viola	3,238			
Eastborough North ('52)	8-27-2E	80	4,265	28,624	2	Arbuckle	3,376	25		
Fairview ('48)	8-26-2E	560	23,994	355,597	8	Lans.-K.C.	2,500		44	
						"Burgess"	2,960	2		
Fairview North ('48)	5-26-2E	80	12,571	129,854	2	Mississippian	2,991	4		
Fairview South ('50)	17-26-2E		no runs	10,553	1	"Burgess"	2,971			
Gehring-Rick ('52)	16-28-2E	80	3,334	11,038	2	"Burgess"	2,945			
Gladys ('54)	30-28-1E	3,600	5,147	1,022,018	1	Mississippian	2,950		40	
			1,008,586		188	Lans.-K.C.	2,773	9	40	
Gladys South ('55)	5-29-1E	40	5,432	5,432	2	Mississippian	3,176			
Gladys Southeast ('55)	4-29-1E	40	5,205	5,205	1	Mississippian	3,194	16		
Goodrich ('28)	16-25-1E	780	67,518	4,867,616	23	Mississippian	3,150	15		
						Lans.-K.C.	2,614	2		
					1	"Chat"	3,010	16		
						"Kinderhook"	3,334			
						Arbuckle	3,339	3		

TABLE 57.—*Oil production in Kansas during 1955, continued.*

Field name and year of discovery	Discovery well location	Area, acres	Oil production, bbls. during 1955	Oil production, bbls. to end, 1955	Producing wells	Wells abd., 1955	Producing zone Name	Depth, ft.	Thickness, ft.	Aver. grav.
Greenwich ('29)	14-26-2E	700	127,202	11,776,043	25		"Chat"	2,885	3	
						3	Viola	3,321	5	
Hinkle ('46)	1-27-1E		no report	10,153			"Burgess"	2,980		
Hohn ('45)	22-27-1W	40	14,252	137,933	6		Lans.-K.C.	2,779	5	
Kechi (revived) ('29)	13-26-1E	40	713	33,467	1		"Burgess"	3,009	2	
Kuske ('29)	24-25-1E	900	212,800	625,113	31	4	"Burgess"	3,016	1	41
Luening ('51)	33-26-2E	80	1,979	14,616	2		Simpson	3,338	8	37
Minneha ('51)	11-27-2E	160	16,407	49,287	6		Arbuckle	3,247	4	34
Minneha Northwest ('51)	10-27-2E		no report	2,798			Simpson	3,300		
Petrie ('45)	36-26-1W	40	8,977	119,189	1		Viola	3,387	1	
Petrie Northwest ('51)	35-26-1W	40	3,188	38,238	1		Viola	3,445	2	
Prairie Creek ('52)	25-25-2E		no report	350			Mississippian	2,812		
Robbins ('29)	20-28-1E	860	208,102	4,344,185	48	1	Mississippian	3,090	12	40
Schulte ('47)	7-28-1W	200	3,464	201,614	3		Mississippian	3,349		45
						3	Simpson	3,658		
Schulte South ('55)	18-28-1W	80	2,907	2,907	1		Mississippian	3,390	11	
Valley Center ('28)	1-26-1W	1,500	64,963	22,157,613	25		Lans.-K.C.	2,860		
							"Kinderhook"	3,380		
						1	Viola	3,366	2	
White Cotton ('48)	30-26-2E	600	28,568	537,817	13		"Burgess"	2,957	2	
Pools or fields abandoned				26,039						
Total Sedgwick County		14,860	2,137,648	58,600,750	492	18				
SEWARD COUNTY										
Kismet ('48)	23-33-31W		no report	16,103			Marmaton	5,095		
Kismet South ('52)	26-33-31W	40	4,859	22,520	1		Mississippian	5,770	90	39
Kneeland ('51)	23-34-31W	40	1,042	6,404	1		Marmaton	5,332	14	41
Liberal-Light ('51)	11-35-32W	2,400	10,061	186,062	1		Lans.-K.C.	5,103		40
					5		Morrowan	6,005		
Liberal Southeast ('47)	15-35-33W	120	41,019	79,865	4		Morrowan	6,202		
Shuck ('55)	20-33-34W	40	82	82	1		Morrowan	5,987		
[illegible]	[illegible]	40	690	1,005	1		Morrowan	6,448		
Total Seward County		2,600	64,818	312,041	14					
SHERIDAN COUNTY										
Adell ('44)	11-6-27W	1,600	269,197	3,529,938	37		Lans.-K.C.	3,755	4	
Chicago ('55)	35-6-27W		no report	none			Lans.-K.C.	3,902	6	
Custer ('55)	12-10-26W	40	6,623	6,623	2		Lans.-K.C.	4,024	5	
George ('52)	17-9-26W	80	1,776	28,449	1	1	Lans.-K.C.	4,023	11	41
Hortonville ('53)	20-6-26W	80	11,903	29,207	2		Lans.-K.C.	3,789	23	39
Moss ('52)	2-8-30W	40	155	954	1		Lans.-K.C.	4,033	4	39
Studley ('43)	23-8-26W	340	14,613	426,808	6		Lans.-K.C.	3,810	9	
Studley Southeast ('55)	26-8-26W	40	6,337	6,337	2		Lans.-K.C.	3,872	8	
Studley Southwest ('45)	32-8-26W	80	18,649	80,352	4		Lans.-K.C.	3,758	26	37
Wessel ('53)	27-6-29W	540	14,366	78,506	9		Lans.-K.C.	3,985	4	38
Wessel North ('53)	16-6-29W	200	10,180	24,962	6		Lans.-K.C.	4,081	4	
Total Sheridan County		3,040	353,799	4,212,136	70	1				

[illegible] ('53)										
Total Seward County	18-31-31W	40	690	1,005	1		[illegible]	[illegible]	[illegible]	[illegible]
		2,680	64,818	312,041	14		Morrowan	5,448		
Adell ('44)				SHERIDAN COUNTY						
Chicago ('55)	11-6-27W	1,600	269,197	3,529,938	37		Lans.-K.C.	3,755	4	
Custer ('55)	35-6-27W		no report	none			Lans.-K.C.	3,902	6	
George ('52)	12-10-26W	40	6,623	6,623	2		Lans.-K.C.	4,024	5	
Hortonville ('53)	17-9-26W	80	1,776	28,449	1	1	Lans.-K.C.	4,023	11	41
Moss ('52)	20-6-26W	80	11,903	29,207	2		Lans.-K.C.	3,789	23	39
Studley ('43)	2-8-30W	40	155	954	1		Lans.-K.C.	4,033	4	39
Studley Southeast ('55)	23-8-26W	340	14,613	426,808	6		Lans.-K.C.	3,810	9	
Studley Southwest ('45)	26-8-26W	40	6,337	6,337	2		Lans.-K.C.	3,872	8	
Wessel ('53)	32-8-26W	80	18,649	80,352	4		Lans.-K.C.	3,758	26	37
Wessel North ('53)	27-6-29W	540	14,366	78,506	9		Lans.-K.C.	3,985	4	38
Total Sheridan County	16-6-29W	200	10,180	24,962	6		Lans.-K.C.	4,081	4	
		3,040	353,799	4,212,136	70	1				
				STAFFORD COUNTY						
Ahnert ('41)	26-22-13W	40	no runs	47,473	1		Arbuckle	3,784	4	
Bart-Staff* ('51)	4-21-14W	120	29,039	176,999	3		Arbuckle	3,572		40
Bayer ('51)	16-21-14W		no report	1,505			Lans.-K.C.	3,543	4	
Bedford ('40)	21-23-12W	860	47,656	1,697,252	13	3	Arbuckle	3,859	9	36
Brenn ('54)	19-23-13W	120	44,213	52,640	8		Lans.-K.C.	3,651	6	33
Brock ('44)	12-23-12W	640	19,235	401,636	10		Arbuckle	3,680	4	21
Byron ('51)	9-21-12W	40	2,313	26,753	1		Arbuckle	3,459		37
Byron Southeast ('51)	10-21-12W	160	7,087	42,884	4		Arbuckle	3,500	3	
Centerview ('54)	28-24-13W	40	9,127	17,944	1		Arbuckle	4,188	5	
Cephas ('53)	10-25-14W	600	78,213	233,432	14	2	Viola	4,114	8	38
Cephas North ('54)	35-24-14W	40	15,072	17,403	2		Lans.-K.C.	3,794	9	35
Chase-Silica* ('31)	32-19-9W	640	65,956	362,042	16	1	Arbuckle	3,383	10	40
Clarksburg (revived) ('55)	36-22-13W	160	6,943	6,943	2		Lans.-K.C.	3,576	6	
Cleveland ('53)	21-23-14W	80	6,826	23,254	1		Lans.-K.C.	3,690	7	
Cleveland South ('53)	28-23-14W		no report	783			Lans.-K.C.	3,703	7	
Cochlin ('51)	19-22-11W	80	5,538	32,757	2		Arbuckle	3,659	4	40
Crissman ('52)	16-23-14W	400	40,574	193,244	11		Lans.-K.C.	3,664	8	34
							Simpson	3,984	16	
							Arbuckle	4,006	6	

TABLE 57.—*Oil production in Kansas during 1955, continued.*

Field name and year of discovery	Discovery well location	Area, acres	Oil production, bbls. during 1955	Oil production, bbls. to end, 1955	Producing wells	Wells abd., 1955	Producing zone Name	Depth, ft.	Thickness, ft.	Aver. grav.
Crissman North ('52)	9-23-14W	40	no runs	1,807	1		Lans.-K.C.	3,669	8	
Curtis ('42)	6-22-13W	1,300	51,425	1,109,447	7	1	Lans.-K.C.	3,514	7	
			93,754		16		Arbuckle	3,693		
Dell ('50)	7-21-13W	160	6,968	101,388	5	2	Lans.-K.C.	3,446	13	30
Dell East ('51)	5-21-13W	500	44,396	426,966	8		Lans.-K.C.	3,471	8	36
			37,743		7		Arbuckle			
Dell Northeast ('51)	5-21-13W	80	4,115	18,767	2		Lans.-K.C.	3,438		36
							Arbuckle	3,612	3	
Diamond ('53)	8-22-13W	40	217	9,172	1	1	Lans.-K.C.	3,426	27	40
Drach ('37)	12-22-13W	2,700	261,314	6,000,227	51	2	Arbuckle	3,690	12	
Drach West ('38)	14-22-13W		Combined with Gates							
Duggan ('51)	30-21-11W	540	13,920	151,012	8		Lans.-K.C.	3,312	6	41
						1	Penn. congl.	3,479	6	
							Simpson	3,505	8	
							Arbuckle	3,514		
Farmington ('43)	34-24-15W	940	25,830	1,151,206	14	2	"Kinderhook"			
							Arbuckle	4,417	16	
Farmington Northeast ('55)	26-24-15W	40	2,344	2,344	1		Arbuckle	4,416	12	
Fischer ('38)	31-21-12W	260	10,820	409,525§	6	1	Arbuckle	3,641	7	
Fischer Northwest ('48)	36-21-13W	1,240	101,856	2,437,504	12		Lans.-K.C.	3,464	7	37
			218,973		27		Arbuckle	3,639		
Frey ('50)	7-21-14W	700	93,812	648,384	12		Arbuckle	3,717	7	40
Gates ('33)	27-21-13W	6,300	635,743	5,044,276	115		Lans.-K.C.	3,530		39
						1	Penn. congl.	3,643		
							Viola	3,635		
							Arbuckle	3,679	37	
German Valley ('51)	4-22-12W	80	5,309	40,247	2		Arbuckle	3,648	2	40
Glen ('54)	14-23-14W	40	5,851	13,647	1		Lans.-K.C.	3,651	6	
Gray ('46)	11-24-13W	120	2,375	50,791	3		Lans.-K.C.	3,672		30
Green Ridge ('53)	30-23-14W	40	3,625	10,043	1		Lans.-K.C.	3,788	22	31
Green Valley ('53)	2-23-14W	80	3,227	19,555	2		Lans.-K.C.	3,640	10	40
[illegible] ('49)	[illegible] 14W	640	[illegible]	115,494	17	5	Lans.-K.C.	3,464	7	40
							Arbuckle	3,705		
Grunder ('43)	11-25-15W	40	no runs	21,737	1		Lans.-K.C.	3,913	15	40
Hahn ('51)	21-22-13W	80	5,589	13,715	2	1	Lans.-K.C.	3,610	6	
Happy Valley ('52)	15-23-13W	40	1,729	9,371	1		Arbuckle	3,810	9	35
Happy Valley Northeast ('55)	11-23-13W	200	9,303	9,303	4		Arbuckle	3,857	10	
Harter ('50)	30-24-13W	80	4,723	79,511	4		Lans.-K.C.	3,767		40
							Simpson	4,167		
							Arbuckle	4,181		
Hazel ('42)	21-21-13W	960	102,460	789,405	25		Lans.-K.C.	3,380		
							Arbuckle	3,692	9	
Hazel West ('50)	20-21-13W	1,100	6,897	821,814	2		Lans.-K.C.	3,488	6	
			152,452		21		Arbuckle	3,673	5	
Helene ('52)	16-22-12W	120	1,878	24,495	3	1	Arbuckle	3,685	10	
Heven ('43)	24-22-12W	700	30,371	609,832	14	3	Arbuckle	3,652	2	
Hickman ('51)	27-21-14W	760	5,294	774,469	19		Lans.-K.C.	3,522	10	37
			100,976							
Hickman South ('52)	34-21-14W	40	9,062		2	1	Simpson			
Hudson ('52)	33-22-12W									

Grunder ('43)	16-21-13W	640									
Hahn ('53)			29,818								
Happy Valley ('52)	11-25-15W	40		415,195	12	2	Lans.-K.C.	3,463	7	35	
Happy Valley Northeast ('55)	21-22-13W	80	no runs				Arbuckle	3,705			
Harter ('50)	15-23-13W	40	5,589	24,727	1		Lans.-K.C.	3,945	15	40	
	11-23-13W	200	1,729	13,745	2	1	Lans.-K.C.	3,610	5		
	30-24-13W	80	9,303	9,371	1		Arbuckle	3,810	9	35	
			4,723	9,303	4		Arbuckle	3,857	10		
				79,511	4		Lans.-K.C.	3,767		40	
Hazel ('42)	21-21-13W	960	102,460	789,405	25		Simpson	4,167			
							Arbuckle	4,181			
Hazel West ('50)	20-21-13W	1,100	6,897	821,814	2		Lans.-K.C.	3,380			
			152,452		21		Arbuckle	3,692	9		
Helene ('52)	16-22-12W	120	1,878	24,495	3	1	Lans.-K.C.	3,488	6		
Heyen ('43)	24-22-12W	700	30,371	609,832	14	3	Arbuckle	3,673	5		
Hickman ('51)	27-21-14W	760	5,294	774,469	19		Arbuckle	3,685	10		
			100,976		2	1	Lans.-K.C.	3,652	2		
Hickman South ('52)	34-21-14W	40	9,062	27,436	1		Simpson	3,522	10	37	
Hudson ('52)	33-22-12W		no report	none			Lans.-K.C.	3,567	6		
Hufford ('48)	33-21-13W	480	70,511	853,250	9		Lans.-K.C.	3,495	8	37	
			47,924		7		Lans.-K.C.	3,499	5		
Jordan ('36)	15-25-14W	380	35,391	904,017	9		Arbuckle	3,755	7		
Kachelman ('50)	7-25-13W	40	13,601	18,556	2		Lans.-K.C.	3,722	5		
							Lans.-K.C.	3,946			
			2,767		2		Viola	4,075			
Kelly ('48)	35-23-12W		no report	5,204			Arbuckle	4,294			
Kenilworth ('47)	15-22-13W	400	37,094	456,089	11		Arbuckle	3,870	27		
							Lans.-K.C.	3,505		34	
Kennil ('54)	4-23-13W		Abandoned during 1955				Arbuckle	3,808			
Kipp ('37)	27-25-14W	300	9,630	669,013	6	1	Arbuckle	3,860			
Kipp North ('54)	23-25-14W	40	9,494	12,138	1		Lans.-K.C.	3,827	79		
Kipp Northeast ('46)	23-25-14W	120	16,429	230,877	3		Lans.-K.C.	3,748	10	32	
Knoche ('51)	8-24-12W		no report	992		1	Lans.-K.C.	3,844		32	
Koelsch ('52)	24-24-14W	440	60,298	187,705	11	3	Viola	3,810	11		
Koelsch Southeast ('52)	25-24-14W	600	109,740	412,449	16		Lans.-K.C.	3,750	8	35	
						1	Simpson	4,181	4	41	
Kowalsky* ('41)	32-20-11W	200	38,270	87,568	6		Arbuckle	4,187			
Kowalsky Southwest ('50)	6-21-11W	200	27,955	173,898	7		Lans.-K.C.	3,279		50	
						1	Simpson	3,398	23		
							Arbuckle	3,424			

TABLE 57.—*Oil production in Kansas during 1955, continued.*

Field name and year of discovery	Discovery well location	Area, acres	Oil production, bbls. during 1955	Oil production, bbls. to end, 1955	Producing wells	Wells abd., 1955	Producing zone Name	Depth, ft.	Thickness, ft.	Aver. grav.
Leesburgh ('38)	12-25-13W	740	32,664	2,574,127	15		Simpson	4,060	24	
							Arbuckle	4,153	10	
Leo ('50)	7-21-13W	80	8,532	77,811	3		Lans.-K.C.	3,475		
							Arbuckle	3,636	4	
Lincoln ('51)	29-21-14W	160	31,470	161,101	4		Lans.-K.C.	3,543	8	
Lincoln Northwest ('52)	29-21-14W	80	8,149	26,225	4		Simpson	3,748		
							Arbuckle	3,778	7	26
McCandless ('44)	30-25-13W	380	45,994	915,841	9		Lans.-K.C.	3,863		
			32,636		6		Simpson	4,251	16	
McGinty ('50)	13-21-14W	40	796	11,557	1		Lans.-K.C.	3,503	10	
McGinty Northwest ('51)	14-21-14W	40	2,654	27,396	1		Lans.-K.C.	3,483	5	
Macksville East ('54)	14-24-15W	80	11,208	22,340	2		Viola	4,126	20	37
Max ('38)	35-21-12W	5,000	46,030	6,607,181	10	4	Lans.-K.C.	3,356	16	36
			3,690		1		Simpson	3,615	2	
			420,940		76		Arbuckle	3,570	7	
Max North ('55)	27-21-12W	40	218	218	1		Arbuckle	3,628	2	
Max South ('50)	15-22-12W	80	no runs	9,282	1		Lans.-K.C.	3,320	24	
Merle ('49)	32-23-13W	380	12,988	312,275	13		Lans.-K.C.	3,669	10	34
Mopac ('54)	30-24-11W	80	41,342	45,472	6		Viola	3,908	5	
Mt. View ('52)	29-22-13W	80	10,538	42,203	1		Lans.-K.C.	3,641	8	36
			1,319		1		Arbuckle	3,858		
Mueller ('38)	29-21-12W	4,600	18,621	6,088,649§	4		Lans.-K.C.	3,356		
			526,167		89		Arbuckle	3,594	8	
Mueller West ('49)	24-21-13W	120	3,855	32,489	3	4	Arbuckle	3,658	11	36
Nellie ('48)	28-22-14W	80	217	21,759	1		Lans.-K.C.	3,696		35
Neola ('48)	15-25-11W	80	2,335	31,941	2		Viola	3,921	4	40
Newell ('53)	7-25-11W	160	16,867	36,857	3		Lans.-K.C.	3,537	3	36
							Viola	3,913	3	
North Star ('52)	27-24-12W	640	54,393	269,581	7		Viola	3,915	16	40
			21,298		3		Simpson	4,063	9	
North Star North ('53)	21-24-12W	40	no runs	1,309	1		Arbuckle	4,101		40
O'Connor ('48)	8-24-15W	120	2,771	26,107	3		Lans.-K.C.	3,768	11	29
Oscar ('49)	34-22-14W	340	18,770	168,374	8		Lans.-K.C.	3,503		36
							Viola	3,777	7	
							Arbuckle	3,798	9	
Oscar North ('51)	14-22-14W	420	107,974	382,701	12		Arbuckle	3,780	3	35
Oscar South ('53)	26-22-14W	160	18,768	80,712	2		Lans.-K.C.	3,580		
			24,679		3		Arbuckle	3,817	2	
Oscar West ('52)	22-22-14W	900	197,729	576,980	23	1	Lans.-K.C.	3,593	8	35
Pleasant Grove ('52)	26-22-12W	200	29,363	123,075	6		Lans.-K.C.	3,462	8	37
Pleasant Grove South ('55)	35-22-12W		no report	none			Arbuckle	3,611		
Prairie Home ('49)	2-21-13W		no report	14,940			Arbuckle	3,514	3	
Prairie Home South ('53)	11-21-13W	40	3,467	17,799	1		Lans.-K.C.	3,395	3	36
Pritchard South ('51)	3-21-14W	40	1,619	14,043	1		Lans.-K.C.	3,483		
Pritchard Southeast* ('53)	2-21-14W	80	18,255	48,268	2		Arbuckle	3,472	18	
Pundsack ('47)	19-21-13W	1,800	138,329	1,218,124	21		Lans.-K.C.	3,575	8	
			110,056		20		Arbuckle	3,735	8	
Pundsack North ('50)	18-21-13W	160	11,802	87,411	4		Arbuckle	3,674	7	
Pundsack Northwest ('50)	24-21-14W		no report	5,031			Lans.-K.C.	3,512		
Radium ('53)	7-22-14W	40	no runs	1,043	1		Lans.-K.C.	3,476		
							Viola	3,775		
Radium Townsite ('53)	5-22-14W	80	49,261	97,137	6		Arbuckle	3,852	20	28
Radke ('53)	25-23-14W	40	2,862	11,088	1		Lans.-K.C.	3,688	12	
	24-23-14W	40	4,530	6,059	1		Lans.-K.C.	3,676	4	28

Oscar ('49)	24-22-14W	340	18,775	168,274	8		Lans.-K.C.	3,503	7	
				382,701	12			3,777	9	
Oscar North ('51)	14-22-14W	420	107,974	80,712	2		Viola	3,798	3	35
Oscar South ('53)	26-22-14W	160	18,768		3		Arbuckle	3,780		
			24,679	576,980	23	1	Arbuckle	3,580	2	
Oscar West ('52)	22-22-14W	900	197,729	123,075	6		Lans.-K.C.	3,817	8	35
Pleasant Grove ('52)	26-22-12W	200	29,363	none			Arbuckle	3,593	8	37
Pleasant Grove South ('55)	35-22-12W		no report	14,940			Lans.-K.C.	3,462		
Prairie Home ('49)	2-21-13W		no report	17,799	1		Lans.-K.C.	3,611		
Prairie Home South ('53)	11-21-13W	40	3,467	14,043	1		Arbuckle	3,514	3	
Pritchard South ('51)	3-21-14W	40	1,619	48,268	2		Arbuckle	3,395	3	36
Pritchard Southeast* ('53)	2-21-14W	80	18,255	1,218,124	21		Lans.-K.C.	3,483		
Pundsack ('47)	19-21-13W	1,800	138,329		20		Lans.-K.C.	3,472	18	
			110,056	87,411	4		Arbuckle	3,575	8	
Pundsack North ('50)	18-21-13W	160	11,802	5,031			Arbuckle	3,735	8	
Pundsack Northwest ('50)	24-21-14W		no report	1,043	1		Arbuckle	3,674	7	
Radium ('53)	7-22-14W	40	no runs				Lans.-K.C.	3,512		
				97,137	6		Lans.-K.C.	3,476		
Radium Townsite ('53)	5-22-14W	80	49,261	11,088	1		Viola	3,775		
Radke ('53)	25-23-14W	40	2,862	6,059	1		Arbuckle	3,852	20	28
Radke East ('54)	24-23-14W	40	4,530	205,641	4	2	Lans.-K.C.	3,688	12	
Rattlesnake ('38)	13-24-14W	160	7,664	32,886	2		Lans.-K.C.	3,676	4	28
Rattlesnake Southeast ('54)	13-24-14W	80	18,407	84,722	2		Lans.-K.C.	3,608	48	
Rattlesnake Southwest ('50)	14-24-14W	80	9,189	157,165	7		Lans.-K.C.	3,758	6	
Rattlesnake West ('44)	11-24-14W	240	11,492				Lans.-K.C.	3,760		34
				13,119,694	71		Lans.-K.C.	3,759	7	
Richardson ('30)	36-22-12W	1,560	401,732				Mississippian	4,025		
							Lans.-K.C.	3,264		
Richland ('44)	27-24-14W		no report	186,258		2	Arbuckle	3,537	62	
							Mississippian	4,032	20	
Riley ('40)	28-23-11W	80	1,825	143,273	2		Arbuckle	4,232	15	
Rose Valley ('52)	36-25-13W	80	6,505	28,878	2		Lans.-K.C.	3,323	15	
							Lans.-K.C.	3,824	6	
Rothgarn ('43)	10-21-13W	600	11,562	323,343	10		Viola	4,137	13	
							Lans.-K.C.	3,369		
Rothgarn Southeast ('50)	14-21-13W	200	8,348	170,309	1		Arbuckle	3,569	5	
			29,027		4		Lans.-K.C.	3,378		37
							Arbuckle	3,544	7	

TABLE 57.—*Oil production in Kansas during 1955, continued.*

Field name and year of discovery	Discovery well location	Area, acres	Oil production, bbls. during 1955	Oil production, bbls. to end, 1955	Producing wells	Wells abd., 1955	Producing zone Name	Depth, ft.	Thickness, ft.	Aver. grav.
St. John ('35)	23-24-13W	840	41,701	2,692,562	16		Lans.-K.C.	3,588	32	
							Arbuckle	4,075	12	
St. John North ('52)	20-23-13W	40	3,416	23,639	1		Lans.-K.C.	3,603	4	
St. John Northwest ('52)	20-23-13W	40	16,195	33,333	4		Lans.-K.C.	3,644	6	
			3,776		1		Arbuckle	3,956		
St. John Townsite ('44)	33-23-13W	400	13,485	430,879	10		Lans.-K.C.		5	
							Arbuckle	3,919	5	
Sandago ('47)	12-21-12W	240	7,406	156,748	5		Arbuckle	3,480	9	32
Sand Hills ('44)	19-21-11W	40	2,798	62,926	1		Arbuckle	3,548	10	36
Saterlee ('54)	31-24-14W	40	413	2,566	1		Penn. congl.	4,166	13	35
Saundra ('46)	14-21-12W	860	26,407	280,536	11		Lans.-K.C.	3,282		
							Arbuckle	3,546	18	
Scevers ('54)	6-25-13W	80	25,253	30,947	3		Lans.-K.C.	3,893	49	30
Shaeffer ('41)	3-21-13W	300	74,546	500,759	10		Lans.-K.C.	3,404		
							Penn. congl.	3,519		
							Simpson	3,536		
							Arbuckle	3,546	4	
Shepherd ('51)	16-22-11W	320	43,703	268,363	8	1	Arbuckle	3,548	35	40
Shepherd North ('54)	9-22-11W	80	16,611	32,243	2		Lans.-K.C.	3,297	5	40
			1,760		1		Penn. congl.	3,446	8	
Shepherd South ('53)	21-22-11W	80	6,009	23,909	2		Arbuckle	3,602	11	40
Silver Bell ('49)	10-22-13W	200	6,913	70,706	3		Lans.-K.C.	3,498		30
							Arbuckle	3,774	11	
Sittner ('37)	33-21-12W	480	19,508	726,019	14		Lans.-K.C.	3,278	36	
							Arbuckle	3,600	9	
Slade ('53)	23-25-12W	40	155	3,739	1		Lans.-K.C.	3,819	5	
Sleeper ('51)	22-22-11W		no runs	14,796	2		Penn. congl.	3,581	9	
Smallwood ('51)	2-22-14W	900	96,831	676,941	18		Lans.-K.C.	3,474	29	32
			30,834		6		Arbuckle	3,576	11	
Snider ('36)	3-21-11W	80	18,268	498,703	2		Simpson	3,362	26	
Snider South ('38)	16-21-11W	500	77,380	1,131,680	9		Simpson	3,402	6	34
			7,994		1		Arbuckle			
Spangenberg ('43)	21-22-12W	40	no runs	81,708	1		Arbuckle	3,691	6	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		Viola	[illegible]	[illegible]	
Starr ('50)	4-21-14W	120	29,610	80,413	5	3	Arbuckle	3,946	10	
Strobel ('52)	9-23-14W	160	16,831	74,097	4		Arbuckle	3,670	4	32
							Lans.-K.C.	3,659	4	37
Strobel Northwest ('52)	8-22-14W	80	5,410	32,364	2		Arbuckle	3,864	8	
							Simpson	3,852	2	
Sutton ('54)	21-22-14W	40	8,469	12,334	1		Arbuckle	3,874		
Syms East ('47)	21-21-12W	80	1,892	16,216	2		Lans.-K.C.	3,638	3	34
Syms Southeast ('52)	27-21-12W	120	8,739	43,227	3		Arbuckle	3,565	10	37
Taylor ('52)	16-21-14W	40	1,380	16,681	2		Arbuckle	3,565		
Taylorville ('53)	29-25-12W	40	7,535	20,666	1		Simpson	3,688	5	
Van Lieu ('43)	20-24-13W	120	no report	206,063	3		Viola	4,006	4	36
Van Winkle ('50)	23-21-14W	40	1,282	13,701	1		Arbuckle	4,069	15	
Van Winkle Southeast ('50)	20-21-14W	80	7,185	66,644	2		Lans.-K.C.	3,570	11	
Wendelburg ('51)	19-23-11W	40	1,549	17,123	1		Lans.-K.C.	3,569	4	33
Widener ('54)	26-21-12W	240	31,545	60,672	7	1	Arbuckle	3,729	8	
Wood ('53)	33-22-14W	120	10,804	34,069	4	1	Arbuckle	3,574	4	37
							Simpson	3,932	7	41
Zenith-Peace Creek* ('37)	23-24-11W	400	299,739	39,023,831	175	5	Arbuckle	3,965	50	28
			Includes Reno County				Lans.-K.C.	3,481		
Pools or fields abandoned				65,100			Viola	3,860		
Total Stafford County		56,020	6,564,369	114,676,859§	1,450	56				

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Sutton ('52)	22-14W	120	49,060							
Sutton ('54)	8-22-14W	160	29,610	3,607,368	24					
Syms East ('47)			16,831							
Syms Southeast ('52)	21-22-14W	80		80,413			Viola	3,836		
Taylor ('52)	21-21-12W		5,410	74,997	5	3	Arbuckle	3,945	14	
Taylorville ('53)	27-21-12W	40			4		Arbuckle	3,579	10	
Van Lieu ('43)	16-21-14W	80	8,469	32,364	2		Lans.-K.C.	3,659	4	
Van Winkle ('50)	29-25-12W	120	1,892	12,334			Arbuckle	3,864	4	32
Van Winkle Southeast ('50)	20-24-13W	40	8,739	16,216	1		Simpson	3,852	8	37
Wendelburg ('51)	23-21-14W	40	1,380	43,227	2		Arbuckle	3,874	2	
Widener ('54)	20-21-14W	120	7,535	16,681	3		Lans.-K.C.	3,638		
Wood ('53)	19-23-11W	40	no report	20,666	2		Arbuckle	3,565	3	34
	26-21-12W	80	1,282	206,063	1		Arbuckle	3,565	10	37
	33-22-14W	40	7,185	13,701	3		Simpson	3,688	5	
		240	1,549	66,644	1		Viola	4,006	4	36
		120	31,545	17,123	2		Arbuckle	4,069	15	
			10,804	60,672	1		Lans.-K.C.	3,570	11	
				34,069	7	1	Lans.-K.C.	3,569	4	33
					4	1	Arbuckle	3,729	8	
Zenith-Peace Creek* ('37)	23-24-11W	400	299,739	39,023,831	175	5	Arbuckle	3,574	4	37
			Includes Reno County				Simpson	3,932	7	41
Pools or fields abandoned				65,100			Arbuckle	3,965	50	28
Total Stafford County		56,020	6,564,369	114,676,859§	1,450	56	Lans.-K.C.	3,481		
							Viola	3,860		

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Alton ('49)	10-35-2W		no report	12,148			Simpson	4,711		
Anness ('37)	2-30-4W		no report	154,772			Simpson	4,394	10	
Anson ('48)	35-30-2W	120	20,689	147,900	5		Lans.-K.C.	3,264		
							Mississippian	3,742	13	
Ashton ('54)	19-34-2E	80	16,247	24,217	5	1	"Cleveland"	3,210	22	34
Ashton East ('54)	20-34-2E		Abandoned during 1955				Mississippian	3,517	15	37
Bellman ('45)	15-30-1E	160	7,305	307,998	4		Simpson	3,798	5	
Bitter Creek ('53)	1-35-1E	200	68,422	102,538	10		Mississippian	3,500	15	37
Caldwell ('29)	17-35-3W	160	31,188	1,587,990	4		Simpson	4,765	19	
Caldwell Northwest ('52)	8-35-3W	80	9,749	53,390	2		Simpson	4,835	20	39
Chicaskia ('54)	5-33-3W	40	2,042	6,118	1		Lans.-K.C.	3,415		40
Churchill ('26)	25-31-2E	720	47,031	19,755,509	16		"Stalnaker"	1,820	25	
							Arbuckle	2,632	24	

TABLE 57.—*Oil production in Kansas during 1955, continued.*

Field name and year of discovery	Discovery well location	Area, acres	Oil production, bbls. during 1955	Oil production, bbls. to end, 1955	Producing wells	Wells abd., 1955	Producing zone Name	Depth, ft.	Thickness, ft.	Aver. grav.
Corbin ('48)	23-34-2W		no report	37,286		1	Simpson	4,475		
Dyal ('53)	4-35-2E		Combined with Padgett							
Fall Creek ('50)	3-35-3W	800	231,438	1,637,086	24		Simpson	4,746	50	46
Gerberding ('54)	6-34-4W	40	19,210	22,452	3	1	Simpson	4,710	5	35
Guelph ('51)	6-35-1E	78	86,596	875,461	11		Lans.-K.C.	3,028	45	45
			121,406		15		Simpson	3,854	10	
			9,027		1	1	Arbuckle	3,969		
Hilltop ('53)	26-34-2E		Combined with Murphy			1				40
Hunnewell ('52)	26-34-2E		Abandoned during 1955				"Layton"	2,808	16	
							"Bartlesville"	3,472		
Kerschen ('55)	17-31-3W	80	14,416	14,416	5		Lans.-K.C.	3,267		
Latta ('27)	9-30-2W	540	42,915	1,374,550	11		Lans.-K.C.	3,042	14	
Lee ('51)	33-32-2E	300	11,231	82,725	6		Mississippian	3,349	8	
Margaret ('46)	36-32-2E		no report	108,423			Arbuckle	3,474		
Metz ('51)	7-32-2E	80	3,492	52,379	2		Simpson	3,735	6	37
							Arbuckle	3,773	4	
Murphy* ('33)	7-35-3E	2,000	723,634	870,074 #	104		"Layton"	2,808		
						1	"Bartlesville"	3,472	10	
Murphy Southwest ('54)	13-35-2E		Combined with State Line							
Norris ('55)	3-34-2E	80	1,851	1,851	1		"Layton"	2,785	3	
O'Hara ('55)	18-32-1W	80	8,297	8,297	2		Lans.-K.C.	3,256	8	
Oxford ('27)	14-32-2E	800	83,923	16,416,353	29		"Hoover"	1,930		
							"Stalnaker"	2,020	16	
							"Layton"	2,510	20	
							Arbuckle	2,890	5	
Oxford West ('26)	17-32-2E	280	29,938	775,709	7		Simpson	3,681		
							Arbuckle		31	
Padgett ('25)	12-34-2E	5,400	147,795	2,741,672	63		"Cleveland"	3,095		
							"Bartlesville"	3,424		
						1	Mississippian	3,474	16	
							Simpson	3,744		
Padgett West ('54)	21-34-2E	80	4,855	8,858	3	1	"Layton"	2,829	8	34
							Mississippian	3,519		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
Scotland ('50)	10-34-1E	160	38,940	3,44,307	5		Simpson	4,364	14	41
			45,280				"Layton"	3,030		
Rainbow Bend West* ('25)	24-33-2E		no report	453,000	5		Simpson	4,002	4	
Rutter (revived) ('26)	21-33-2E	120	14,275	111,266	6		Arbuckle			
Slate Creek ('52)	9-33-2E	40	8,282	31,022	1		Mississippian	3,283		
Slick-Carson* ('24)	19-32-3E		See Cowley County				Lans.-K.C.	2,804	12	
South Haven ('54)	2-35-1W	200	55,092	79,798	5		"Bartlesville"	3,124		
State Line ('53)	14-35-2E	3,500	296,560	1,449,061	71		Simpson	4,189	5	37
							"Cleveland"	3,158		
Tate ('50)	31-32-2E		no report	3,171		1	Mississippian	3,443		
Val Verde ('45)	23-33-2E	40	578	7,824	1	2	Simpson	3,726	27	
Vernon North ('30)	15-35-2E		Combined with State Line				"Bartlesville"	3,280	15	40
Wellington ('29)	33-31-1W	3,000	323,003	8,667,130	141				22	
Wellington Northeast ('55)	27-31-1W	240	28,694	28,694	13		"Chat"	3,655	11	
Zoglmann ('51)	8-31-1W		no report	16,253			Mississippian	3,659	5	
Zyba ('37)	7-30-1E	560	33,174	457,688	7		Simpson	4,036	4	46
Zyba Southwest ('44)	22-30-1W	600	134,808	1,142,221	13		Simpson	3,866	3	50
Pools or fields abandoned				129,806			Simpson	3,918	12	
Total Sumner County		21,418	2,792,934	61,045,695§	613	11				
THOMAS COUNTY										
[illegible]	[illegible]	[illegible]	6,183	13,313	2		Marmaton	4,414		

Perth ('45)	12-33-2W	560	71,542	954,282	11		Simpson	4,264	14	41
Portland ('50)	16-34-1E	360	38,940	334,307	5		"Layton"	3,030		
			45,289		5		Simpson	4,002	4	
Rainbow Bend West ('25)*	24-33-2E		no report	453,000			Arbuckle			
Rutter (revived) ('26)	21-33-2E	120	14,275	111,266	6		Mississippian	3,283		
Slate Creek ('52)	9-33-2E	40	8,282	31,022	1		Lans.-K.C.	2,804	12	
Slick-Carson* ('24)	19-32-3E		See Cowley County				"Bartlesville"	3,124		
South Haven ('54)	2-35-1W	200	55,092	79,798	5		Simpson	4,189	5	37
State Line ('53)	14-35-2E	3,500	296,560	1,449,061	71		"Cleveland"	3,158		
						1	Mississippian	3,443		
Tate ('50)	31-32-2E		no report	3,171		2	Simpson	3,726	27	
Val Verde ('45)	23-33-2E	40	578	7,824	1		"Bartlesville"	3,280	15	40
Vernon North ('30)	15-35-2E		Combined with State Line						22	
Wellington ('29)	33-31-1W	3,000	323,003	8,667,130	141		"Chat"	3,655	11	
Wellington Northeast ('55)	27-31-1W	240	28,694	28,694	13		Mississippian	3,659	5	
Zoglmann ('51)	8-31-1W		no report	16,253			Simpson	4,036	4	46
Zyba ('37)	7-30-1E	560	33,174	457,688	7		Simpson	3,866	3	50
Zyba Southwest ('44)	22-30-1W	600	134,808	1,142,221	13		Simpson	3,918	12	
Pools or fields abandoned				129,806						
Total Sumner County		21,418	2,792,934	61,045,695	613	11				
				THOMAS COUNTY						
Mingo ('52)	19-9-32W	80	6,183	13,313	2		Marmaton	4,414		
							Mississippian	4,680		
				TREGO COUNTY						
Adair ('53)	21-12-21W	40	3,894	12,989	1		Marmaton	3,879	5	37
Cotton ('45)	15-12-21W	40	2,536	38,614	1		Arbuckle	3,958	34	30
Cotton East ('47)	14-12-21W	40	3,529	54,634	1		Arbuckle	3,942	6	40
Coulson ('54)	11-15-22W		no runs	427						
Diebolt* (53)	33-10-23W	640	42,912	130,138	12		Lans.-K.C.	3,779	6	35
Ellis* ('42)	31-12-20W	460	29,185	451,718	6		Arbuckle-Reagan	3,832	8	
Ellis Northwest ('44)	26-12-21W	160	13,466	211,289	4		Arbuckle	3,925	2	
Ellis South* ('52)	12-13-21W	40	15,526	34,029	3		Arbuckle	3,822	15	31
Groff ('52)	26-14-21W	700	18,239	245,212	2		Lans.-K.C.	3,493	10	36
			80,458		10		Penn. congl.	3,822	10	
Groff Southeast ('55)	35-14-21W	80	7,319	7,319	2		Marmaton	3,824	4	

TABLE 57.—*Oil production in Kansas during 1955, continued.*

Field name and year of discovery	Discovery well location	Area, acres	Oil production, bbls. during 1955	Oil production, bbls. to end, 1955	Producing wells	Wells abd., 1955	Producing zone Name	Depth, ft.	Thickness, ft.	Aver. grav.
Hixson ('53)	19-11-22W		no report	none			Marmaton	3,818	8	
Hixson East ('54)	16-11-22W	40	no runs	1,578	1	1	Arbuckle	3,939		
Homburg ('55)	11-13-21W	40	1,740	1,740	1		Marmaton	3,800	10	
Kutina ('53)	29-15-21W	40	4,597	4,597	1		Mississippian	4,151		
Locker ('53)	5-14-21W	40	1,262	8,107	1		Penn. congl.	4,029	11	36
Nieden ('52)	16-12-23W	80	3,741	22,305	2		Mississippian	3,850	7	36
Ogallah ('51)	26-12-22W	3,800	564,808	2,433,275	74	2	Arbuckle	3,961	24	
Ridgeway ('52)	26-12-21W	460	43,257	180,282	9		Lans.-K.C.	3,693	13	36
							Arbuckle	3,896		
Spaulding* ('53)	1-11-21W	40	4,283	13,161	1		Lans.-K.C.	3,573	7	
Spaulding South ('54)	1-11-21W	40	978	2,023	1		Lans.-K.C.	3,538	4	
Spring Creek ('51)	32-12-21W	40	2,627	2,967	2		Arbuckle	3,904	4	38
Sunny Slope ('52)	21-14-21W	680	62,145	266,929	13		Marmaton	3,848	14	39
Wakeeney ('34)	14-11-23W	680	14,471	870,732	5		Lans.-K.C.	3,619	8	
Wakeeney East ('49)	13-11-23W	40	no runs	11,904	1		Lans.-K.C.	3,576		
Walz ('50)	12-11-21W	780	90,054	405,459	16		Lans.-K.C.	3,428	9	
							Arbuckle	3,666	11	
White Southwest* ('53)	35-10-21W	80	65,761	68,212	12		Arbuckle	3,688	7	
Pools or fields abandoned				51,206						
Total Trego County		9,080	1,076,788	5,530,846	182	4				
WABAUNSEE COUNTY										
Davis Ranch ('49)	33-13-10E	640	88,237	1,564,208	18		"Hunton"	2,929	15	
							Viola	3,201		
Mill Creek ('50)	2-13-10E	160	25,512	182,183	4		Viola	2,923	4	
Newbury ('50)	11-11-11E	240	26,344	203,399	6		Viola	2,901	4	
Wheat ('51)	10-15-11E	20	2,395	13,473	1		Simpson	3,230	4	
Woodbury ('51)	11-15-10E	40	10,774	45,903	2		Viola	3,328	5	
Miscellaneous			59		1					
Total Wabaunsee County		1,100	153,321	2,016,765 recorded	32					

				42	3	"Squirrel"	650
Altoona ('03)	10-29-16E					"Bartlesville"	900
a		640	4,314				
b		240	3,211				
c		160	36				
d		200	1,827				
e		320	4,340				
f		80	30				
g		120	1,999				
h		240	454				
i		240	1,940				
j		160	658				
Altoona East	29-17E	480	7,360	31		"Bartlesville"	900
Benedict	28-15E			38		"Bartlesville"	1,000
a		80	1,720				
b		640	20,471				
Buffalo* ('24)	27-16E			88	10	"Bartlesville"	1,025
a		80	10,781			Cherokee	1,150
b		1,280	231				
c			20,579				
d			12,166				
e			235				
f			239				
g			2,184				
Buxton	20-30-14E						
Coyville West		40	681	3			
Fall River	28-13E						
Fredonia ('90)	29-15E			21	2	"Burgess"	1,050
a		160	1,755				
b		120	224				
c		640	6,497				
d		20	801				
e		40	89				
f		120	690				
g		160	314				
"Harvey"	27-13E						
Humboldt-Chanute*	28-17E			9		"Bartlesville"	850
a		160	425				
b		160	2,407				

TABLE 57.—*Oil production in Kansas during 1955, continued.*

Field name and year of discovery	Discovery well location	Area, acres	Oil production, bbls. during 1955	Oil production, bbls. to end, 1955	Producing wells	Wells abd., 1955	Producing zone Name	Depth, ft.	Thickness, ft.	Aver. grav.
Neodesha*	30-16E				165	4	"Bartlesville"	950		
a		20	1,022							
b		120	3,142							
c		40	279							
d		480	13,374							
e		160	1,321							
f		160	179							
g		80	318							
h		480	1,605							
i		5,200	37,330							
j		80	358							
k		280	2,199							
Neodesha East	30-17E	240	238		6					
"Stryker"		160	223		1					
Vilas ('05)	27-17E				13	2	"Bartlesville"	1,000		
a		480	3,727							
b		10	78							
c		240	2,323							
"Wiggins"	28-17E	640	9,425		41		"Bartlesville"	850		
Miscellaneous			1,260		7					
Total Wilson County		15,450	187,047	5,787,145 recorded	465	21				
WOODSON COUNTY										
Batesville ('34)	34-25-14E		no report				"Bartlesville"	1,450		
Big Sandy ('23)	23-26-14E	900	29,964		31		"Bartlesville"	1,230	50	
Buffalo* ('24)	26-16E				17		"Bartlesville"	950		
a		20	442				Cherokee	1,150		
b		480	35,497							
Evans* ('38)	21-23-15E	480	2,364		5		Mississippian	1,540		
"Gordon"		480	13,072		17					
Halligan	30-26-17E	320	7,300		10					
Hoagland ('39)	3-24-14E	1,280	19,242		33	2	Mississippian	1,635	37	
Humboldt Chanute*	25-17E				46	3	"Bartlesville"	900		
a		480	6,202							
b		480	8,412							
c		10	392							
d		480	12,285							
Jobes	24-13E									
McWherter ('55)	35-26-13E	10	588		1		Mississippian	1,417		
Neosho Falls* ('28)	23-16E				91		"Squirrel"	950		
a		320	31,754				Mississippian	1,200		
b		10	144							
c		1,280	12,666							
d		640	5,884							
Perry	26-17E	900	59,239		52					
Piqua ('38)	22-24-17E	640	1,833		5		Mississippian	1,190		
Quincy* ('32)	14-25-13E	1,280	222,571		94	1	"Bartlesville"	1,500		
"Rose East"	7-26-16E	480	24,585		8					
Silver City ('46)	19-23-15E	320	17,593		8					
Stange		20	493		2					
Steele ('52)	20-23-15E	20	701		1		Mississippian	1,525	17	
Stephenson		10	155		1	1				
Toronto		40	472		3					
Vernon	23-16E				27	2	Mississippian	1,420		

			7,300	33	3	"Bartles		
		320	19,242	45				
	30-26-17E	1,280						
	2-24-14E		6,202					
Halligan	25-17E	480	8,412					
Hoagland ('29)		480	392					
Humboldt-Chanute*		10	12,285			Mississippian	1,417	
a		480					950	
b				1		"Squirrel"	1,200	
c				91		Mississippian		
d	24-13E	10	588					
Jobes	35-26-13E							
McWherter ('55)	23-16E	320	31,754					
Neosho Falls* ('28)		10	144					
a		1,280	12,666					
b		640	5,884					
c		900	59,239	52				
d	26-17E	640	1,833	5		Mississippian	1,190	
Perry	22-24-17E	1,280	222,571	94	1	"Bartlesville"	1,500	
Piqua ('38)	14-25-13E	480	24,585	8				
Quincy* ('32)	7-26-16E	320	17,593	8				
"Rose East"	19-23-15E	20	493	2				
Silver City ('46)		20	701	1		Mississippian	1,525	17
Stange		10	155	1	1			
Steele ('52)	20-23-15E	40	472	3				
Stephenson				27	2	Mississippian	1,420	
Toronto		900	15,508					
Vernon	23-16E	10	409					
a		320	4,829					
b		160	2,445					
c								
d								
Virgil North* ('20)	22-23-13E	640	36,242	43		"Bartlesville"	1,585	
						Mississippian	1,840	
Weide ('37)	31-23-15E			26		Mississippian	1,570	
a		10	771					
b		640	14,518					
Winterscheid*	23-14E	9,000	251,175	306		"Bartlesville"	1,630	15
					5	Mississippian	1,750	
Wissman ('36)	3-24-15E	1,500	3,379	14		Mississippian	1,520	

TABLE 57.—*Oil production in Kansas during 1955, continued.*

Field name and year of discovery	Discovery well location	Area, acres	Oil production, bbls. during 1955	Oil production, bbls. to end, 1955	Producing wells	Wells abd., 1955	Producing zone Name	Depth, ft.	Thickness, ft.	Aver. grav.
Yates Center	28-25-15E				33	7	Mississippian	1,480		
a		640	15,225							
b		10	78							
c		120	1,329							
Miscellaneous			2,006		10					
Total Woodson County		25,330	861,764	7,524,693 recorded	885	21				

* Field extends into adjacent county or counties.
§ Corrected cumulative.
# Cumulative for "Hilltop field."

TABLE 58.—*Gas production in Kansas during 1955*

Pool or field name and year of discovery	Location of discovery well	Area, acres	1955 production, Mcu. ft.**	Cumulative production to end of 1955, Mcu. ft.**	No. producing wells	Producing zone	Depth to producing zone, feet
ALLEN COUNTY							
Humboldt-Chanute*	26-18E	900	116,872		22	"Squirrel"	710
						"Bartlesville"	850
Miscellaneous		1,200	148,362		51		
Total Allen County		2,100	265,234		73		
BARBER COUNTY							
Aetna ('35)	13-34-15W	500	319,658	1,961,609§	4	Mississippian	4,850
						Viola	5,215
Boggs ('47)	8-33-12W	Included with Whelan				Simpson	4,824
Boggs Southwest ('55)	30-33-12W	no report		none		Mississippian	4,456
Clara ('14)	2-30-14W	no report		803,532		Marmaton	4,381
						Simpson	4,[illegible]
						Viola	4,509
						Arbuckle	4,540
Cottonwood Creek ('48)	21-30-14W	no report		none		Simpson	4,582
Deerhead ('42)	26-32-15W	no report		1,896,083§		Viola	4,931
DeGeer ('48)	2-33-15W	no report		140,442		Mississippian	4,902
						Viola	5,176
Donald ('46)	33-31-15W	no report		none		"Miss. lime"	4,697
Hardtner ('54)	31-34-12W	3,600	1,943,153	1,943,153	18	Cherokee	4,791
						Mississippian	4,782
Lake City ('45)	7-31-13W	Included with Skinner				Viola	4,435
Little Bear Creek ('54)	12-32-14W	240	522,238	522,238	3	"Douglas sand"	3,808
McClure ('54)	6-33-11W	Combined with Rhodes					
Mease ('54)	27-30-11W	no report		none		"Douglas sand"	3,759
Medicine Lodge ('27)	13-33-13W	12,000	4,326,937	175,319,708	43	"Douglas sand"	3,812
						"Chat"	4,455
						Simpson	4,860
Medicine Lodge Southwest ('54)	6-34-13W	160	353,732	353,732	2	Mississippian	4,889
Moffett (revived) ('55)	9-30-15W	no report		none		Penn. congl.	4,566
Nippawalla ('51)	13-33-12W	2,000	1,079,046	1,458,440	14	"Douglas sand"	3,659
						Mississippian	4,541
Nurse ('53)	23-31-13W	no report		none		"Douglas sand"	3,[illegible]99
Rhodes ('54)	4-33-11W	160	102,233	102,233	2	"Douglas sand"	3,648
						Mississippian	4,561
Roundup South ('53)	33-33-11W	no report		none		Mississippian	4,457
Skinner ('43)	29-31-14W	3,600	348,272	26,137,794	10	"Douglas sand"	4,023
						Viola	4,430
						Simpson	4,422
Skinner South ('44)	32-31-14W	Combined with Skinner				"Douglas sand"	4,023
Skinner Southwest ('53)	1-32-15W	Combined with Skinner				"Douglas sand"	4,082
Traffas ('55)	6-33-10W	no report		none		Mississippian	4,590
Whelan ('34)	32-31-11W	800	3,424,452	31,257,055	15	Douglas	3,598
						"Chat"	4,355
Whelan East ('54)	21-31-11W		no report	none		"Douglas sand"	3,746
Total Barber County		23,060	12,419,721	241,896,019 recorded	111		

Oil and Gas Develop

BARTON COUN

[illegible] ('47)	16-20-15W		
[illegible] Creek* ('48)	31-20-15W		no re
[illegible] ('44)	6-20-15W		no re
[illegible] Northeast ('55)	29-19-15W		no re
[illegible] ('41)	22-20-15W		no re
[illegible] South ('54)	2-20-15W		no re
[illegible] ('53)	20-20-15W		no re
[illegible] ('45)	29-20-14W		no re
[illegible] ('35)	14-19-11W		no re
[illegible] Southwest ('52)	21-19-14W		no re
[illegible] ('44)	30-16-11W	100	164
		160	51
[illegible]-Albert* ('30)	11-18-16W		Within Kraft
		5,000	Included w
[illegible] Rock* ('36)	19 & 20-15 & 16W		
[illegible]* ('41)	11-19-11W	100	130
[illegible] ('45)	24-20-15W		no repo
[illegible] miscellaneous		400	408.
Total Barton County		160	103.
		5,920	850.

BUTLER COUNTY

[illegible] South*	31-27-3E		
			no repo

CHASE COUNTY

[illegible]	26-19-8E		
[illegible] ('39)	1-20-8E	40	no repo
[illegible]	19-19E	940	32.5
		300	15.3
[illegible]	18-19E		
[illegible]	32-18-7E	400	no repo
[illegible]	19-19E		Included with
Total Chase County		100	no repo
		1,480	47.9

CHAUTAUQUA COU

Miscellaneous		1,200	179.5

CLARK COUNTY

[illegible] ('51)	35-32-23W	1,500	
[illegible] Creek ('55)	3-31-21W		229,925
[illegible] Ranch ('53)	9-34-21W		no report
[illegible] Ranch North ('54)	22-33-21W		no report
[illegible]* ('50)	2-34-26W		no report
[illegible] Northeast ('54)	10-32-21W	6,000	no report
[illegible] Creek ('52)	21-34-21W		453,417
Total Clark County			no report
		7,500	no report
			683,342

COFFEY COUNTY

[illegible]		80	
			11,573

BARTON COUNTY

Adolph ('47)	16-20-15W		no report	none		Arbuckle	3,734
Ash Creek ('48)*	31-20-15W		no report			Arbuckle	3,769
Behrens ('44)	6-20-15W		no report				
Behrens Northeast ('55)	29-19-15W		no report	none		Arbuckle	3,639
Bergtal ('41)	22-20-15W		no report	896,604		Arbuckle	3,689
Clarence South ('54)	2-20-15W		no report	none		Penn. congl.	3,606
Converse ('53)	20-20-15W		no report	none		Arbuckle	3,783
Dundee ('45)	29-20-14W		no report	2,021,092		Arbuckle	3,607
Eberhardt ('35)	14-19-11W		no report	398,567			
Heizer Southwest ('52)	21-19-14W	100	104,045	632,158	1	Penn. congl.	3,196
Krier ('44)	30-16-11W	160	51,489	790,916	2		
			Within Kraft-Prusa field				
Otis-Albert* ('30)	11-18-16W	5,000	Included with Rush County			Neva	
						Reagan	3,507
Prowse Rock ('36)*	19 & 20-15 & 16W	100	130,000		3		
Rick* ('41)	11-19-11W		no report	403,840		Arbuckle	3,355
Unruh ('45)	24-20-15W	400	408,140	14,070,095	3	Arbuckle	3,341
Miscellaneous		160	103,247		3		
Total Barton County		5,920	856,941	21,748,705 recorded	14		

BUTLER COUNTY

*Andover South**	31-27-3E		no report			"Stalnaker"	2,006

CHASE COUNTY

Altemus	26-18-8E	40	no report				
Davis ('29)	18-18E	640	32,628		19	L. Permian	350-400
Elmdale	19-7E	300	15,335		8	L. Permian	500
						Wabaunsee	800
Hymer	18-7E	400	no report				
Lipps	32-18-7E		Included with Elmdale				
Neva	19-7E	100	no report				
Total Chase County		1,480	47,963		27		

CHAUTAUQUA COUNTY

'cellaneous		1,200	179,548		15		

CLARK COUNTY

'd ('51)	35-32-23W	1,500	229,925	1,547,480	3		
Creek ('55)	3-31-21W		no report	none		Mississippian	5,195
Ranch ('53)	9-34-21W		no report	none		Morrowan	5,437
'anch North ('54)	22-33-21W		no report	none		Morrowan	5,318
** ('50)*	2-34-26W	6,000	453,417	886,658	7	Mississippian	5,762
Northeast ('54)	10-32-21W		no report	none		Morrowan	5,193
k ('52)	21-34-21W		no report	none		Morrowan	5,452
Clark County		7,500	683,342	2,434,138	10		

COFFEY COUNTY

		80	11,573		5		

TABLE 58.—*Gas production in Kansas during 1955, continued*

Pool or field name and year of discovery	Location of discovery well	Area, acres	1955 production, M cu. ft.	Cumulative production to end of 1955, M cu.ft.	No. producing wells	Producing zone	Depth to producing zone, feet
COMANCHE COUNTY							
Beals ('55)	5-34-17W		no report	none		Lans.-K.C.	4,393
Robbins Ranch ('53)	23-31-16W	120	141,751	141,751	2	Mississippian	4,915
			Includes Miscellaneous production				
Total Comanche County		120	141,751	141,751	2		
COWLEY COUNTY							
Brown West ('51)	14-31-7E		no report				
"Cambridge Southeast"		40	28,159		1		
Estes			no report			Douglas	1,568
Frog Hollow	32-5E		no report				
Gibson	34-3E	400	116,854		4		
Mansur ('49)	31-7E	150	108,678		1	"Layton"	2,170
New Salem ('49)	21-31-5E	80	203,475		1		
School Creek North ('53)	10-32-7E		no report			"Layton"	2,114
Trees	30-4E	80	33,214		2		
Tisdale	32-5E		no report				
Wiebe ('53)	28-31-6E		no report			"Layton"	2,220
Wilmot-Floral	31-5E		no report				
Winfield							
Miscellaneous		40	17,898		1		
Total Cowley County		790	508,278		10		
CRAWFORD COUNTY							
McCune		400	31,821		18		
Walnut		300	6,717		6		
Miscellaneous		60	6,000§		11		
Total Crawford County		760	44,538§		35		
DOUGLAS COUNTY							
Eudora							
Lawrence							
EDWARDS COUNTY							
Belpre ('42)	8-25-16W	160	194,557	7,733,735	4	Lans.-K.C.	3,800
Bradbridge* ('48)	6-24-15W		no report	none		Arbuckle	4,020
Edstaff ('55)	12-25-16W		no report	none		Penn. congl.	4,202
Embry ('55)	23-24-16W	40	190,382	190,382	1	Mississippian	4,231
McCarty ('54)	31-25-17W		no report	none		Penn. congl.	4,528
Wokaty ('54)	25-25-17W		no report	none		Penn. congl.	4,390
Total Edwards County		200	384,939	7,924,117	5		

ELK COUNTY

Bush-Denton ('20)	4-30-9E	100	21,759		1§		
Longton		100	25,000§		5		
Miscellaneous		400	280,392		22		
Total Elk County		800	327,151§		28§		

ELLSWORTH COUNTY

Stoltenberg ('47)	18-17-9W		no report	443,891		Shawnee	2,728

FINNEY COUNTY

Hugoton* ('32)	16-25-34W	349,500	34,013,718	213,810,531	416	Chase group	2,200
Nunn ('38)	27-21-34W		no report	146,075			
Total Finney County		349,500	34,013,718	213,956,606	416		

FORD COUNTY

Helmers ('53)	25-28-21W		no report	none		Mississippian	5,024
Pleasant Valley ('38)	34-27-21W	40	52,574		1	Mississippian	4,954
Pleasant Valley South ('54)	14-28-21W		no report	none		Mississippian	5,056
Miscellaneous		80	184,057		2		
Total Ford County		120	236,631		3		

GRAHAM COUNTY

Law ('51)	34-9-23W		no report	12,656			

GRANT COUNTY

Hugoton* ('30)	12-29-38W	377,500	84,458,345	697,226,348	570	Chase group	2,200

HAMILTON COUNTY

Hugoton* ('46)	12-26-39W	33,700	5,196,385	17,982,317	29	Chase group	2,200

HARPER COUNTY

Anthony ('54)	31-33-6W		Abandoned during 1955			Mississippian	4,486
Grabs ('49)	7-31-8W	300	1,058,767	1,549,230	9	Mississippian	4,385
Grabs Northwest ('55)	15-31-9W		no report	none		Mississippian	4,416
Grabs South ('54)	25-31-9W		Included with Grabs			Mississippian	4,335
Runnymede ('53)	23-31-6W		no report	none		Simpson	4,648
Spivey Southeast ('55)	1-31-8W		Included with Spivey (Kingman Co.)			Mississippian	4,380
Total Harper County		300	1,058,767	1,549,230	9		

HARVEY COUNTY

Burrton* ('30)	23-23-4W	800	290,133		10	Mississippian	3,298
			Includes Reno County				
Burrton Northeast ('42)	3-23-3W		Included with Burrton			Mississippian	3,226
Graber* ('55)	22-1W	640	37,261	37,261	1	Mississippian	2,958
Sperling ('35)	23-22-2W	250	7,588	7,513,363	1	"Chat"	2,955
Wall ('51)	25-22-3W		no report	none		Mississippian	3,150
Total Harvey County		1,990	334,982	8,598,574 recorded	12		

TABLE 58.—*Gas production in Kansas during 1955, continued*

Pool or field name and year of discovery	Location of discovery well	Area, acres	1955 production, M cu. ft.	Cumulative production to end of 1955, M cu.ft.	No. producing wells	Producing zone	Depth to producing zone, feet
HASKELL COUNTY							
Hugoton* ('31)	29-30-34W	278,800	32,768,432	251,148,182	397	Chase group	2,200
JEFFERSON COUNTY							
McLouth		300	no report				
JOHNSON COUNTY							
Miscellaneous		300	27,923		21		
KEARNY COUNTY							
Hugoton* ('37)	32-25-35W	410,300	59,523,103	467,553,533	559	Chase group	2,200
KINGMAN COUNTY							
Artesian Valley ('52)	22-27-10W		no report	3,870			
Bertholf ('55)	3-30-8W		no report	none		Mississippian	4,201
Broadway ('48)	21-28-5W	300	365,431	1,768,630	9	Mississippian	
Cunningham* ('31)	7-28-11W	800	Included with Pratt County			Arbuckle	4,094
						Viola	4,278
Dewey ('50)	9-28-5W	1,200	333,289	2,726,991	6	Mississippian	3,801
Kingman ('54)	16-27-7W		no report	none		Mississippian	3,824
Rochester ('54)	32-30-9W		no report	none		Mississippian	4,325
Spivey ('51)	27-30-8W	2,500	1,049,965	1,105,645	6	Mississippian	4,297
Spivey Northwest ('54)	9-30-8W		no report	none		Mississippian	4,156
Spivey West ('55)	17-30-8W		no report	none		Mississippian	4,172
Sunny View ('55)	26-30-9W		no report	none		Mississippian	4,350
Trenton ('55)	27-29-7W	160	51,376	51,376	1	Mississippian	4,117
Zenda ('54)	36-29-9W		no report	none		Mississippian	4,161
Zenda South ('55)	11-30-9W		Combined with Zenda				
Total Kingman County		4,960	1,800,061	6,795,557	22		
KIOWA COUNTY							
Alford ('44)	14-30-19W		no report			Spergen	5,040
Brenham ('47)	29-28-17W		no report			"Miss. chert"	4,841
Haviland ('55)	17-28-16W		no report	none		"Kinderhook"	4,761
Johannsen ('54)	13-28-19W		no report	none		Mississippian	4,864
Nichols ('55)	20-29-18W		no report	none		Mississippian	4,997
Wellsford ('55)	15-28-16W		no report	none		Marmaton	4,680
Miscellaneous		80	4,961	86,482	2		
LABETTE COUNTY							
Coffeyville-Cherryvale*	32-17E		no report				
Southern Labette County		400	93,369		43		
Valeda		10	300§		1§		
Miscellaneous		200	8,462		2		
Total Labette County		610	102,131		46§		

LEAVENWORTH COUNTY

Linwood			no report				
*Roberts-Maywood**		80	19,376		7		

LINN COUNTY

LaCygne-Cadmus	20-24E	80	17,912§		15§		

McPHERSON COUNTY

Coons ('40)	13-19-1W		no report			"Chat"	2,897
Doles Park ('47)	12-19-1W		no report			"Chat"	2,843
Graber North ('51)	4-21-1W		no report	none		Mississippian	2,955
McPherson ('26)	29-18-2W		no report			Lans.-K.C.	2,340
						"Chat"	2,967
						Viola	3,140
Ritz-Canton ('29)	12-20-2W		no report			"Chat"	2,935
Miscellaneous			19,598		1§		

MARION COUNTY

Lehigh North ('53)	23-19-1E		no report	none		Mississippian	2,770
Propp	8-19-4E		no report				
Miscellaneous		120	173,463		4		

MEADE COUNTY

Adams Ranch ('45)	8-35-30W	400	53,180	531,050	1	Morrowan	5,708
						Mississippian	5,850
Adams Ranch East ('47)	36-34-30W	Combined with Adams Ranch					
Bruno Northeast ('53)	16-33-30W		no report	none		Morrowan	5,721
Fringer ('52)	7-35-29W	Combined with Adams Ranch					
Kismet East ('53)	30-33-30W		no report	none		Morrowan	5,645
McKinney ('50)*	2-34-26W	7,800	2,727,881	9,534,516	14	Mississippian	5,762
Novinger Northwest ('53)	15-33-30W		no report	none		Morrowan	5,718
Singley ('55)	20-33-29W		no report	none		Morrowan	5,803
Stevens ('52)	32-32-30W		no report	none		Morrowan	5,560
Total Meade County		8,200	2,781,061	10,065,566	15		

MIAMI COUNTY

Louisburg	40	4,478		2	
Miscellaneous	160	30,849		12	
Total Miami County	200	35,327		14	

MONTGOMERY COUNTY

"Cavert"		40	no report				
Coffeyville-Cherryvale ('02)*	33-17E	40	6,717		4		
Neodesha South		80	12,517		8		
Miscellaneous		200	403,524		60		
Total Montgomery County		360	422,758		72		

MORRIS COUNTY

Veal ('55)	30-17-7E		no report	none		Ireland sand	1,234
Miscellaneous		100	61,268		16		

TABLE 58.—*Gas production in Kansas during 1955, continued*

Pool or field name and year of discovery	Location of discovery well	Area, acres	1955 production M cu. ft.	Cumulative production to end of 1955, M cu. ft.	No. producing wells	Producing zone	Depth to producing zone, feet
MORTON COUNTY							
Boehm ('51)	14-33-42W	2,400	1,976,739	3,936,403	4	Morrowan	4,872
Dreyer ('53)	5-32-43W	Combined with Greenwood Gas Area				Wabaunsee	2,812
						Shawnee	3,136
Elkhart ('55)	11-35-43W	640	75,246	75,246	1	Morrowan	4,558
Greenwood Gas Area ('51)	14-33-42W	93,800	27,015,715	47,749,563	142	Wabaunsee	2,777
						Shawnee	3,069
						Lans.-K.C.	3,534
Hugoton* ('30)	24-34-40W	197,000	30,469,944	215,085,601	274	Chase group	2,200
Richfield ('48)	17-32-40W	1,200	125,556	1,144,685	1	Atokan	4,990
						Morrowan	5,397
Sparks*	34-30-42W		no report	none		Morrowan (Kryes)	5,254
Taloga ('55)	34-34-42W	640	315,817	315,817	2	Morrowan	4,428
Westola ('53)	5-32-42W	Combined with Greenwood Gas Area					
Miscellaneous		640	61,567		1		
Total Morton County		296,320	60,040,584	268,307,315	424		
NEOSHO COUNTY							
Earlton		40	no report				
Miscellaneous		160	232,773§		60§		
Total Neosho County		200	232,773		60§		
PAWNEE COUNTY							
Ash Creek* ('48)	31-20-15W		no report			Arbuckle	3,769
Benson ('45)	30-23-15W	1,500	1,432,176		15	Arbuckle	4,048
		Includes Zook					
Evers ('51)	36-21-16W		no report	850,468		Arbuckle	3,908
Garfield ('54)	35-22-17W		no report	none		Penn. congl.	4,152
Hearn ('53)	35-23-15W		no report	none		Lans.-K.C.	3,833
						Simpson	4,106
Hearn North ('55)	23-23-15W		no report	none		Simpson	4,084
Jab ('54)	35-22-17W	Combined with Garfield					
Larned ('49)	28-21-16W		no report			Arbuckle	3,877
Pawnee Rock* ('36)	19 & 20-15 & 16W	600	2,925,000§		19§	Arbuckle	3,832
Ryan*	35-19-16W	100	150,000§		3§	Reagan	3,507
Shady ('45)	34-22-16W		no report	3,992,596		Arbuckle	4,063
Shady North ('55)	14-22-16W	640	no report	none		Arbuckle	4,043
Sweeney ('53)	8-21-15W	240	267,302		3	Penn. congl.	3,727
						Arbuckle	3,792
Zook ('42)	16-23-16W	Included with Benson				Arbuckle	4,066
Total Pawnee County		3,080	4,774,478	27,234,408 recorded	40§		
PRATT COUNTY							
Barnes ('52)	25-27-12W		no report	none		Simpson	4,328
Carver-Robbins ('55)	21-27-15W		no report	none		Penn. congl.	4,472
Chitwood ('43)	23-28-12W		no report	10,089,598		Viola	4,340
Coats West ('55)	24-29-14W						
Cunningham* ('31)	7-28-11W	1,500					no r
a	(Includes Cairo Pool)						
b							409
c							439
Lika-Carmi ('42)	29-26-12W	300					51
Lion ('53)	29-27-11W						424
Shriver ('49)	27-29-14W						no r
Stark ('41)	13-26-12W						no r
Ward ('41)	11-26-12W						no r
Total Pratt County		1,800					no r 1,325
RENO COUNT							
Burrton* ('30)	23-23-4W						Included w
Lerado ('37)	10-26-9W	200					425
Yoder ('35)	34-24-5W	100					28
Zenith-Peace Creek* ('37)	23-24-11W						no re
Total Reno County		300					453
RICE COUNT							
Alden ('37)	22-21-9W						
Chase-Silica ('36)	6-19-9W						no re
Lyons ('58)	35-19-8W	100					no re 174,
Lyons Southwest ('55)	22-20-8W						
Orth ('33)	27-18-10W						no re
Quivira ('47)	36-19-9W	160					65,
Sterling ('51)	4-22-8W						no re
Union ('50)	28-20-8W	300					46,
Total Rice County		1,200					373,
		1,760					659,
RUSH COUNTY							
Otis-Albert* ('30)	11-18-16W	6,500					1,064,
Reichel ('53)	23-17-17W	200					430,
Rothe ('55)	31-17-16W						no rep
Ryan*	35-19-16W	300					1,200,
Ryan East ('54)	36-19-16W						no rep
Total Rush County		7,000					2,694,7
RUSSELL COUNT							
Miscellaneous		40					23,0
SCOTT COUNTY							
Keystone ('50)	25-18-32W						no repo
SEDGWICK COUNT							
Andover South* ('50)	36-27-2E						
Bartholomew ('46)	30-27-4W	600					no repo 155,02

Coats West ('55)	24-29-14W		no report	none		Lans.-K.C.	4,216
Cunningham* ('31)	7-28-11W	1,500					
a (Includes Cairo Pool)			409,781		25	Lans.-K.C.	
b			439,918		6	Viola	4,278
c			51,238		1	Arbuckle	4,094
Iuka-Carmi ('42)	29-26-12W	300	424,106	3,219,742	3	Viola	4,122
Lion ('53)	29-27-11W		no report	none		Viola	4,323
Shriver ('49)	27-29-14W		no report	104,191			
Stark ('41)	13-26-12W		no report			Viola	4,121
Ward ('41)	11-26-12W		no report			Viola	4,129
Total Pratt County		1,800	1,325,043	15,981,566 recorded	35		

RENO COUNTY

Burrton* ('30)	23-23-4W	Included with Harvey County				Mississippian	3,298
Lerado ('37)	10-26-9W	200	425,728	2,361,857	4	Viola	4,128
Yoder ('35)	34-24-5W	100	28,086		1	"Chat"	3,402
Zenith-Peace Creek* ('37)	23-24-11W		no report			Viola	3,860
Total Reno County		300	453,814	2,576,508 recorded	5		

RICE COUNTY

Alden ('37)	22-21-9W		no report	15,449,656		Misener	3,317
Chase-Silica ('36)	6-19-9W		no report	1,835,285		Arbuckle	3,192
Lyons ('88)	35-19-8W	100	174,251	14,045,343	2	Simpson	3,290
						Arbuckle	3,277
Lyons Southwest ('55)	22-20-8W		no report	none		Penn. congl.	3,251
Orth ('33)	27-18-10W	160	65,146		1	Lans.-K.C.	2,906
Quivira ('47)	36-19-9W		no report	236,477		Tarkio	2,117
Sterling ('51)	4-22-8W	300	46,680	85,070	3	Mississippian	3,385
Union ('50)	28-20-8W	1,200	373,055		5	Penn. congl.	3,275
Total Rice County		1,760	659,132	32,571,390 recorded	11		

RUSH COUNTY

Otis-Albert* ('30)	11-18-16W	6,500	1,064,632		21	Neva	
Reichel ('53)	23-17-17W	200	430,148	843,321	4	Lans.-K.C.	3,330
Rothe ('55)	31-17-16W		no report	none		Lans.-K.C.	3,446
Ryan*	35-19-16W	300	1,200,000‡		14‡	Reagan	3,507
Ryan East ('54)	36-19-16W		no report	none		Arbuckle	3,648
Total Rush County		7,000	2,694,780		39‡		

RUSSELL COUNTY

Miscellaneous		40	23,073				

SCOTT COUNTY

stone ('50)	25-18-32W		no report	45,122			

SEDGWICK COUNTY

er South* ('50)	36-27-2E		no report	none		"Stalnaker"	2,006
lomew ('46)	30-27-4W	600	155,022		11	"Miss. lime"	3,732

TABLE 58.—*Gas production in Kansas during 1955, continued* –

Pool or field name and year of discovery	Location of discovery well	Area, acres	1955 production, M cu. ft.	Cumulative production to end of 1955, M cu. ft.	No. producing wells	Producing zone	Depth to producing zone, feet
Derby ('37)	32-28-2E	No longer productive; used for gas storage only.				"Stalnaker"	2,215
						Lans.-K.C.	2,228
Schulte ('49)	7-28-1W	200	44,621	1,287,655	1	Mississippian	3,349
Total Sedgwick County		800	199,643	1,877,499	12		
SEWARD COUNTY							
Blue Bell ('53)	33-34-31W		no report	none		Mississippian	5,959
Blue Bell Northwest ('54)	20-34-31W		no report	none		Mississippian (Chester)	5,947
Hawks ('52)	18-35-31W		no report	none		Morrowan	5,927
Holt ('54)	28-32-34W		no report	none		Topeka	3,820
Hugoton* ('22)	3-35-34W	225,500	23,334,636	151,946,961	310	Chase group	2,200
Kismet Northwest ('53)	10-33-31W		no report	none		Morrowan	5,584
Liberal-Light ('51)	11-35-32W	2,400	4,117,260	17,104,996	10	Morrowan	5,906
Liberal Southeast ('47)	15-35-33W	1,100	2,499,492	13,707,261	5	Penn. sandstone	6,202
Massoni ('55)	5-33-31W		no report	none		Toronto	4,270
Shuck ('55)	20-33-34W		no report	none		Morrowan	5,987
Thirty-One ('53)	18-31-31W	400	195,945	298,466	1	Morrowan	5,448
Wide Awake ('54)	4-35-34W	400	147,627	153,487	1	Toronto	4,410
Total Seward County		229,800	30,294,960	1,832,111,171	327		
STAFFORD COUNTY							
Bradbridge* ('48)	6-24-15W		no report	none		Arbuckle	4,020
Farmington ('48)	27-24-15W	Included with Macksville		774,387		Mississippian	4,207
Farmington West ('52)	6-25-15W		no report	none		Penn. sand	4,164
Gates ('50)	26-21-13W		no report	266,956		Lans.-K.C.	3,473
Hill ('52)	11-23-12W		no report	none		Lans.-K.C.	3,447
Knoche ('51)	8-24-12W		no report	1,208,546		Viola	3,810
Macksville ('47)	3-24-15W	360	854,295	7,894,391#	9	Lans.-K.C.	
O'Connor ('47)	16-24-15W		no report	none		Arbuckle	4,061
Zenith-Peace Creek* ('37)	23-24-11W		no report			Viola	3,860
Total Stafford County		360	854,295	9,892,805 recorded	9		
STANTON COUNTY							
Hugoton* ('44)	32-30-39W	167,000	15,438,885	90,309,329	234	Chase group	2,200
Sparks ('54)*	34-30-42W		no report	none		Morrowan (Keyes)	5,254
STEVENS COUNTY							
Hugoton* ('27)	31-33-37W	600,000	109,053,705	1,376,626,786	720	Chase group	2,200
SUMNER COUNTY							
Fall Creek ('50)	3-35-3W		no report			Simpson	4,746
Padgett ('24)	23-34-2E		no report			"Miss. lime"	3,474
State Line ('53)	15-35-2E		no report	none		"Bartlesville"	3,446

Clifton North ('15)	15-35-2E	Com					
Washington ('29)	33-31-1W	No longer product					
Miscellaneous		storage					
		1,200	1,546				
WILSON COU							
Altoona-Earlton							
[illegible]*	30-16E	400	no re				
Miscellaneous		300	no re				
Total Wilson County		300	242				
		1,000	242				
WOODSON COUN							
Fenton		80	47				
WYANDOTTE COU							
Roberts-Maywood*	11-23E	80	5,				

* Field extends into adjacent county or counties.

** All figures at base of 14.65 psia

‡ Estimate.

• Corrected cumulative.

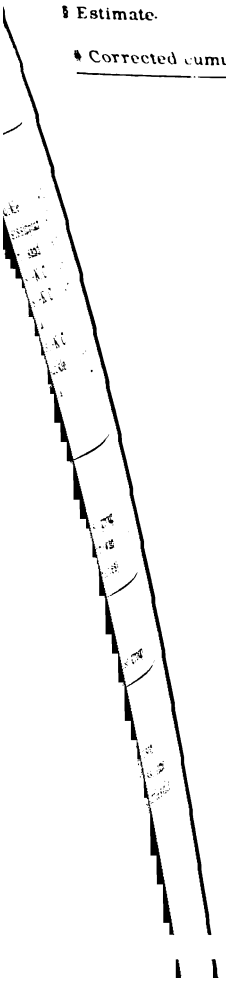
rth ('15)	15-35-2E	Commence with State Line			
('29)	33-31-1W	No longer productive, used for gas storage only		Chat"	3,655
ous		1,200	1,546,417	25	
WILSON COUNTY					
Earlton		400	no report		
na*	30-16E	300	no report		
daneous		300	242,776§	72§	
Total Wilson County		1,000	242,776§	72§	
WOODSON COUNTY					
ernon		80	47,842	3	
WYANDOTTE COUNTY					
Roberts-Maywood*	11-23E	80	5,073	2	

* Field extends into adjacent county or counties.

** All figures at base of 14.65 psia

§ Estimate.

Corrected cumulative.



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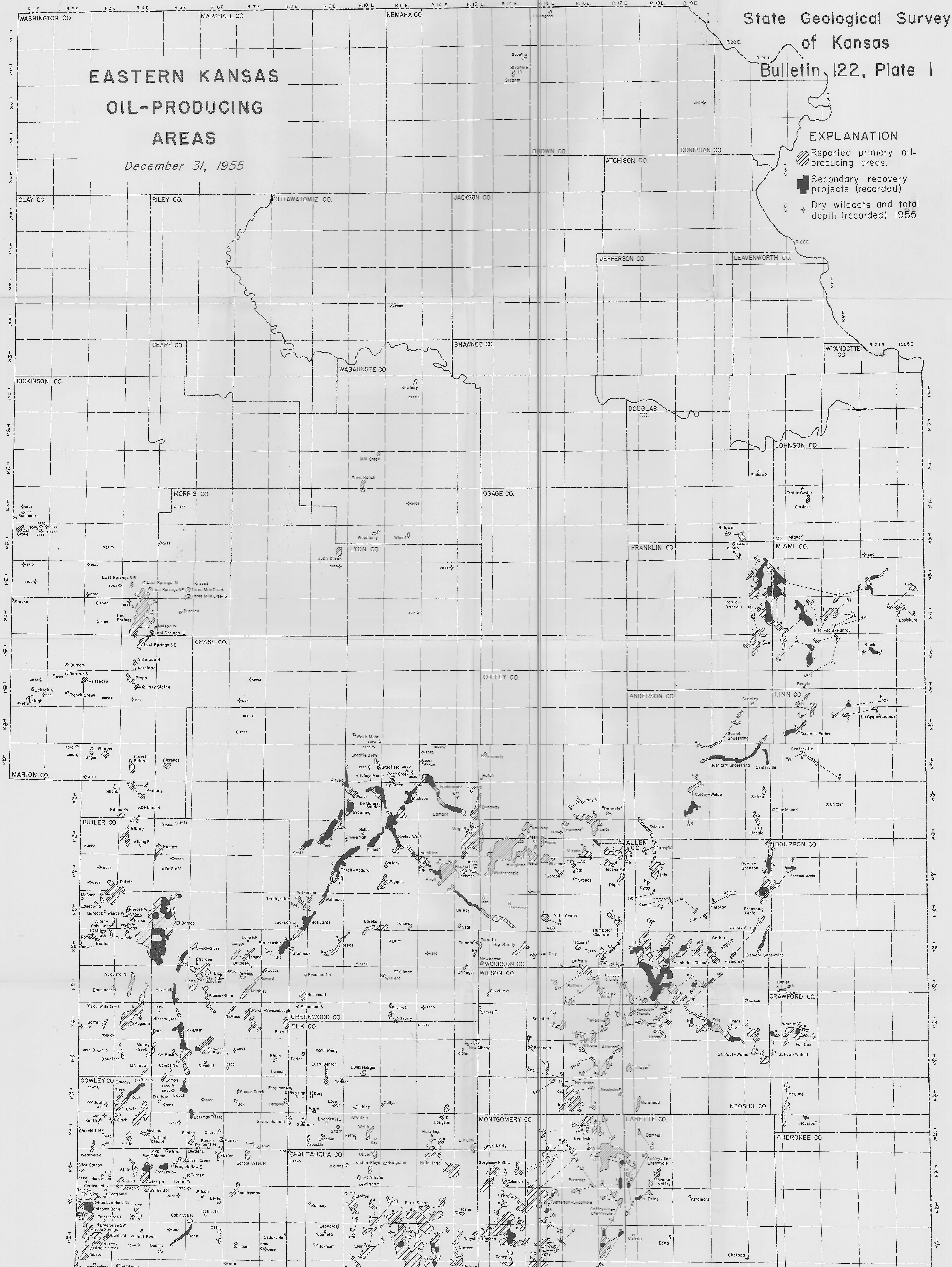
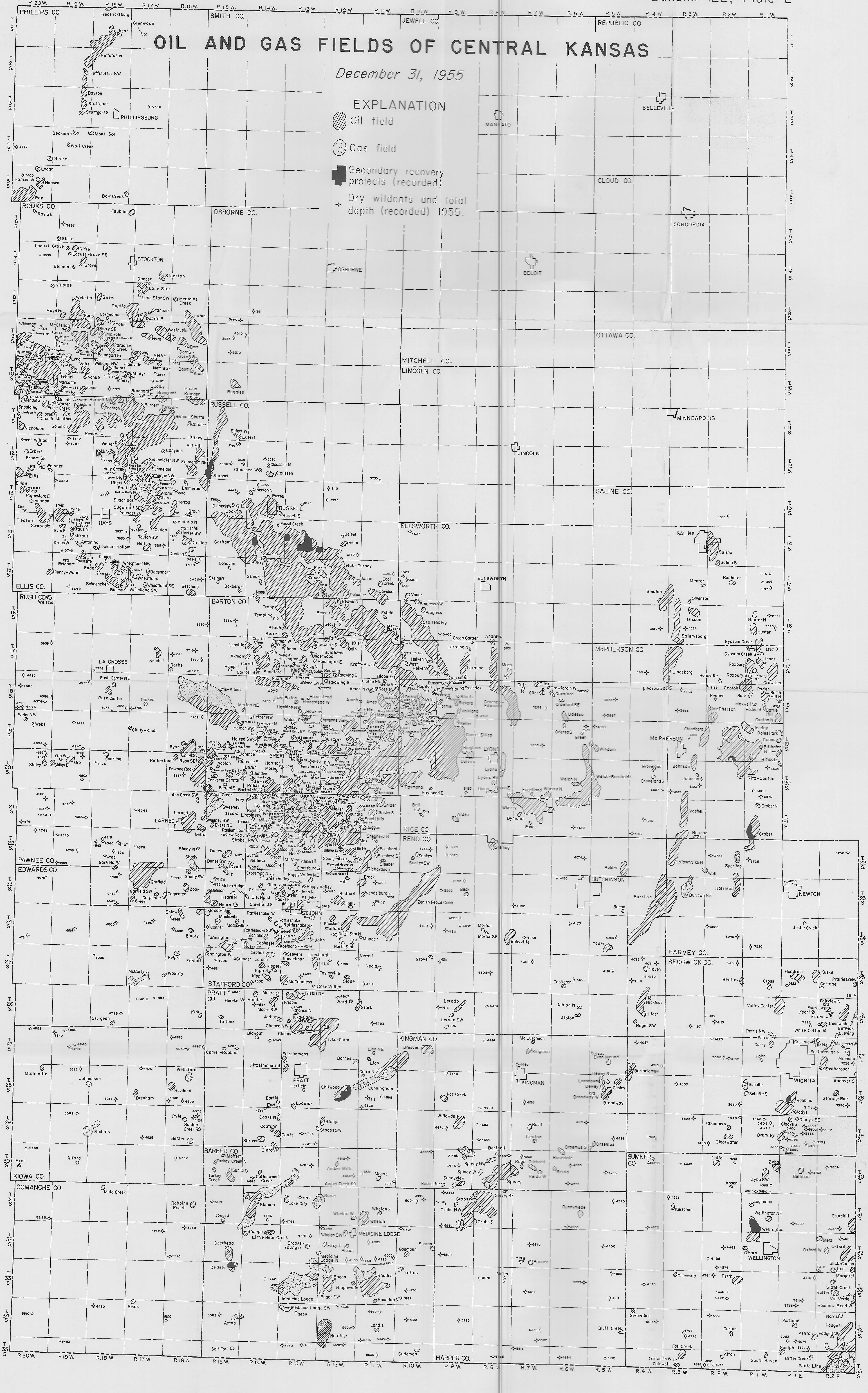

State Geological Survey of Kansas
Bulletin 122, Plate I
EASTERN KANSAS
OIL-PRODUCING
AREAS
December 31, 1955
EXPLANATION
Reported primary oil-producing areas.
Secondary recovery projects (recorded)
Dry wildcats and total depth (recorded) 1955.
WASHINGTON CO.
MARSHALL CO.
NEMAHA CO.
BROWN CO.
DONIPHAN CO.
ATCHISON CO.
CLAY CO.
RILEY CO.
POTTAWATOMIE CO.
JACKSON CO.
JEFFERSON CO.
LEAVENWORTH CO.
GEARY CO.
SHAWNEE CO.
WABAUNSEE CO.
WYANDOTTE CO.
DICKINSON CO.
DOUGLAS CO.
JOHNSON CO.
MORRIS CO.
OSAGE CO.
LYON CO.
FRANKLIN CO.
MIAMI CO.
CHASE CO.
COFFEY CO.
ANDERSON CO.
LINN CO.
MARION CO.
BUTLER CO.
ALLEN CO.
BOURBON CO.
GREENWOOD CO.
WOODSON CO.
WILSON CO.
CRAWFORD CO.
ELK CO.
COWLEY CO.
NEOSHO CO.
MONTGOMERY CO.
LABETTE CO.
CHEROKEE CO.
CHAUTAUQUA CO.
R. 1 E. R. 2 E. R. 3 E. R. 4 E. R. 5 E. R. 6 E. R. 7 E. R. 8 E. R. 9 E. R. 10 E. R. 11 E. R. 12 E. R. 13 E. R. 14 E. R. 15 E. R. 16 E. R. 17 E. R. 18 E. R. 19 E. R. 20 E. R. 21 E. R. 22 E. R. 23 E. R. 24 E. R. 25 E.
T. 1 S. – T. 35 S.
Livengood
Sabetha
Strahm E
Strahm
Newbury
Mill Creek
Davis Ranch
Woodbury
Wheat
John Creek
Eudora S
Prairie Center
Gardner
Baldwin
LeLoup
"Mignot"
Paola-Rantoul
Louisburg
Black
Beagle
Greeley
Garnett Shoestring
Goodrich-Parker
La Cygne-Cadmus
Bush City Shoestring
Centerville
Colony-Welda
Selma
Blue Mound
Critzer
Kincaid
Davis-Bronson
Bronson-Xenia
Moran
Elsmore W
Elsmore Shoestring
Seibert
Humboldt-Chanute
Hepler
Kimball
Erie
Trent
Walnut SE
Fair Oak
St. Paul-Walnut
McCune
"Houston"
Bonaccord
Ash Grove
Fanska
Lost Springs NW
Lost Springs N
Lost Springs NE
Three Mile Creek
Three Mile Creek S
Lost Springs
Burdick
Nelson W
Lost Springs E
Lost Springs SE
Antelope N
Antelope
Durham
Durham S
Hillsboro
Propp
Quarry Siding
Lehigh N
Lehigh
French Creek
Wenger
Unger
Covert-Sellers
Florence
Shank
Peabody
Edmonds
Elbing N
Elbing
Elbing E
Hazlett
DeGraff
Potwin
McCann
Edgecomb
Murdock
Pierce W
Pierce NW
Pierce
Allen-Robison
Parsley
White-Water
Rombold
Benton
Butwick
Towanda
El Dorado
Welch-Mohr
Bradfield NW
Bradfield
Ritchey-Moore
Rock Creek
Ly-Green
Atyeo
Pixlee
De Malorie Souder
Browning
Fankhouser
Hubbard
Madison
Lamont
Hollis
Zimmerman
Seeley-Wick
Teeter
Scott
Burkett
Hamilton
Thrall-Aagard
Gaffney
Wiggins
Virgil
Virgil N
Jobes
Blackwell
Hinchman
Finnerty
Hatch
Dunaway
Van Noy
Steele
Evans
Hoagland
Weide
Winterscheid
Wissman
"Gordon"
Stange
Vernon
"Lawrence"
Leroy
Leroy N
"Parmely"
Neosho Falls
Piqua
Iola
Colony W
Wilkerson
Teichgraber
Polhamus
Jackson
Sallyards
Eureka
Tonovay
Quincy
Neal
Stephenson
Yates Center
Toronto
Big Sandy
Silver City
McWherter
Brinegar
"Rose E"
Perry
Buffalo
Halligan
Humboldt-Chanute
Vilas
"Wiggins"
Benedict
Altoona
Altoona E
Urbana
"Thayer"
Fredonia
New Albany
Kipfer
Coyville W
"Stryker"
Neodesha
Neodesha E
Morehead
Smock-Sluss
Gorden
Long NE
Long
Young
Blankenship
Stanhope
Reece
Burt
Climax
Willard
Brickley
Brickley SW
Lucas
Seward
Dixon
Eckel
Reynolds-Schaffer
Leon
Keighley
Kramer-Stern
Augusta N
Bausinger N
Haverhill
Beaumont N
Beaumont
Beaumont S
Four Mile Creek
Augusta
Hickory Creek
DeMoss
Brandt-Sensenbaugh
Severy N
Severy
Salter
Bare
Fox-Bush
Ferrell
Muddy Creek
Fox Bush W
Snowden-McSweeney
Douglass
Mt. Tabor
Combs NE
Steinhoff
Shinn
Porter
Fleming
Hannah
Bush-Denton
Dunkleberger
Perkins
Bruce
Rock N.
Combs
Trees
Rock
Couch
Dunbar
Udall
David
Grouse Creek
Box
Ferguson NW
Ferguson E
Ferguson W
Dory
Love
Clubine
Collyer
Ware
Smith
Clark
Eastman
Grand Summit
Logsden NE
Walker
Schrader
Webb
Longton
Churchill NE
Deichman
Wilmot-Floral
Burden
Church
Burden Townsite
Mansur
Starr
Rettig
Logsden
Arbuckle
Key
Hale-Inge
Elk City
Hittle
Weathered
Biddle
Elrod
Burden E
Estes
School Creek N
Oliver
Landon-Floyd
Kingston
Silver Creek
Frog Hollow E
Frog Hollow
Slick-Carson
State
Turner
Malone
McAllister
Wiggam
Henderson
Stayton
Winfield
Turner W
Centennial N
Stayton S
Winfield S
Wilson
Countryman
Thurlow
Graham
Centennial
Dexter
Leniton
Peru-Sedan
Rainbow Bend NE
Rainbow Bend
Ramsey
Frazier
Rainbow Bend SW
Enterprise NE
Seacat
Cabin Valley
Rahn NE
Enterprise SW
Geuda Springs
Canfield
Walnut Bend
Rahn
Otto
Leonard
Wauneta
Lowe
Harvey
Nigger Creek
Quarry
Donelson
Cedarvale
Borroum
Elgin
Wayside-Havana
Niotaze
Gibson
Brandenburg
Bergkamp
Murphy
McKay
Pudden
Falls City W
Coney
Tyro
Sorghum-Hollow
Coleman
Brewster
Jefferson-Sycamore
Coffeyville-Cherryvale
Dartnell
Mound Valley
Price
Altamont
Valeda
Edna
Chetopa


OIL AND GAS FIELDS OF CENTRAL KANSAS
December 31, 1955
EXPLANATION
Oil field
Gas field
Secondary recovery projects (recorded)
Dry wildcats and total depth (recorded) 1955
PHILLIPS CO.
SMITH CO.
JEWELL CO.
REPUBLIC CO.
ROOKS CO.
OSBORNE CO.
MITCHELL CO.
CLOUD CO.
OTTAWA CO.
LINCOLN CO.
ELLIS CO.
RUSSELL CO.
ELLSWORTH CO.
SALINE CO.
RUSH CO.
BARTON CO.
RICE CO.
McPHERSON CO.
PAWNEE CO.
EDWARDS CO.
STAFFORD CO.
RENO CO.
HARVEY CO.
SEDGWICK CO.
PRATT CO
KINGMAN CO.
KIOWA CO.
COMANCHE CO.
BARBER CO.
HARPER CO.
SUMNER CO.
PHILLIPSBURG
STOCKTON
OSBORNE
MANKATO
BELLEVILLE
CONCORDIA
BELOIT
MINNEAPOLIS
LINCOLN
HAYS
RUSSELL
ELLSWORTH
SALINA
LA CROSSE
GREAT BEND
LYONS
Mc PHERSON
LARNED
ST. JOHN
HUTCHINSON
NEWTON
PRATT
KINGMAN
WICHITA
MEDICINE LODGE
WELLINGTON
R. 20 W.
R. 19 W.
R. 18 W.
R. 17 W.
R. 16 W.
R. 15 W.
R. 14 W.
R. 13 W.
R. 12 W.
R. 11 W.
R. 10 W.
R. 9 W.
R. 8 W.
R. 7 W.
R. 6 W.
R. 5 W.
R. 4 W.
R. 3 W.
R. 2 W.
R. 1 W.
R. 1 E.
R. 2 E.

OIL AND GAS FIELDS OF WESTERN KANSAS

December 31, 1955

EXPLANATION

- Oil field
- Gas field
- Gas wells drilled during 1955 (Hugoton and Greenwood Gas Areas only, all older wells omitted)
- Dry wildcats and total depth (recorded) 1955

HUGOTON GAS AREA

GREENWOOD GAS AREA

No.	Field	Operator	Project	Location	Cooperative or unitized	Year started	Total developed acres	Possible additional acres	Producing formation	Thickness of producing zone, feet	Average depth to producing zone, feet	Active wells: Flowing	Active wells: Pumping	Active wells: Total	No. producing wells drilled in 1955	No. active injection wells, 1955	No. injection wells drilled in 1955	Medium of injection	Source of water	Average bbls. water injected per well per day	Cumulative secondary oil recovery per developed acre, bbls.	Production attributable to secondary recovery in 1955, bbls.	No.
									ALLEN COUNTY														
1	Bronson-Xenia	Mack C. Colt	K. B. Project and K. B. South Project	27,28,33-24-21E	No	1951	175	200	"Bartlesville"	18	700	0	99	99	29	77	18	Salt water	Arbuckle	35	3,585	225,000	1
2	do	Southeastern Co.	Southeastern Co.	33-24-21E	Part.	1955	15	75	do	15	760	0	8	8	3	4	4	do	Mack C. Colt Lease	20	-	*	2
3	Davis-Bronson	Mack C. Colt	M. T. Project	3,10,15-24-21E	No	1937	200	0	do	34	630	37	56	93	-	85	-	do	Arbuckle	60	-	-	3
4	Elsmore Shoestring	Fees and Hoyt	Elsmore Shoestring	3,4,10-26-21E	Unit.	1941	180	0	do	20	660	0	68	68	0	54	0	Fresh and salt water	Stream and Arbuckle	27	3,105	50,739	4
5	do	Pavlicek Bros.	Trast and Gray Farms	16-26-21E	-	1944	-	-	do	28	700	0	9	9	-	-	-	Salt water	-	-	-	-	5
6	Elsmore west	Eureka Oil and Gas Co.	Young and Newby	32-25-21E	Coop.	-	100	900	do	20	750	-	12	12	-	3	-	do	Mississippian	20	-	-	6
7	Humboldt-Chanute	C and M Oil Co.	Humboldt-Chanute	18,19-26-20E	Coop.	1953	40	250	do	15	700	0	17	17	3	10	2	Fresh water	Part well, part stream	30	1,600	13,879	7
8	do	Gamble, Wright and Crumley	Wolf-Tebay Lease	24-26-17E	Coop.	1953	160	240	do	30	840	-	20	20	-	8	-	Salt water	"Oswego lime"	125	-	*	8
9	do	General American Oil Co.	Matson	16,17,18,19, 20-26-18E	No	1938	323	0	do	30	800	141	12	153	2	146	0	Fresh water	Neosho River	12	2,966	58,657	9
10	do	E. F. Gidley	Dimond	16-26-19E	-	1952	15	65	do	10	860	-	9	9	-	5	-	Salt water	Mississippian	35	500 est.	*	10
11	do	Weiner Petroleum Co.	Humboldt Water Flood	13,14,23,24-26-18E	No	1942	400	2,000	"Bartlesville" sandstone	25	825	-	140	140	9	135	9	do	Mississippian limestone	15	1,100	44,185	11
12	do	C. A. Willis	Hoepker	25-26-18E	-	1953	80	80	"Bartlesville"	15	850	-	32	32	-	4	-	-	"Oswego lime"	20	-	-	12
	Totals						1,688					176	482	660	46	551	33	Estimated additional secondary recovery production				316,741	
																						709,201	
									ALLEN and NEOSHO COUNTIES														
13	Humboldt-Chanute	C. P. M. Corp.	K. T. Group #	32,33-26-18E, 4-27-18E	No	-	18	142	"Bartlesville"	30	750	0	17	17	6	-	5	Salt water	Mississippian	-	-	*	13
									ANDERSON COUNTY														
14	Bush City Shoestring	Deep Rock Oil Corp.	Salmon Oil Corp.	7,8,15,16-21-20E	-	1949	371	-	"Squirrel"	20	800	81	35	116	-	113	-	Salt water	Arbuckle and Mississippian	32	-	*	14
15	do	General American Oil	Reed, Connelly and Loriaux	4,5,7,8,18-21-21E; 12,13,14-21-20E	No	1939	987	0	do	30	620	398	20	418	0	388	1	do	Arbuckle	25	2,137	178,646	15
16	do	Maracaibo Oil Corp.	Starit	8,9,17,16-21-20E	No	1953	80	0	do	14	650	0	40	40	0	40	0	do	Purchased	-	2,700	*	16
17	Centerville	Schermerhorn Oil Corp.	Centerville Flood	4,10,15,22-21-21E	Unit.	1947	345	0	"Bartlesville"	15	725	72	7	79	0	50	0	do	Mississippian	27	1,479	67,957	17
18	Colony-Welda	W. S. Fees	Unit No. 1	27,28,33-22-19E	Unit.	1948	360	0	"Squirrel"	15	800	0	88	88	2	36	-	do	Arbuckle	15	550	43,693	18
19	do	do	Unit No. 2	28,29,32,33-22-19E	Unit.	1954	320	0	do	15	800	0	14	14	10	15	10	do	Well to Arbuckle-1,461'	20	3	845	19
20	do	do	Stauffer-North Hyde	22-22-19E	Neither	1947	20	0	do	15	800	0	13	13	0	7	0	do	do -1,640'	15	3,270	*	20
	Totals						2,483					551	217	768	12	649	11	Estimated additional secondary recovery production				166,765	
																						417,130	
									BARBER COUNTY														
21	DeGeer	Lion Oil Co.	DeGeer Unit	2,3-33-15W	Unit.	1954	920	0	Viola limestone	25	5,200	0	8	8	0	1	0	Salt water	Viola	361	-	-	21
22	Sun City	Great Lakes Carbon Corp.	Sun City +	26,27,28,34, 35-30-15W	Unit.	1952	240	0	Massy Zone	6	4,350	-	7	7	-	0	-	Water	Stream	-	-	-	22
							1,160					0	15	15	0	1	0						
									BOURBON COUNTY														
23	Bronson-Xenia	A. B. McClimans	Gugler Bros.	8,9,16-24-22E	Unit.	-	4	90	-	13	595	0	4	4	0	2	1	-	First break in lime	-	-	-	23
24	Davis-Bronson	Albert Markham Oil Co.	Honneus Farm	11-24-21E	No	1955	40	40	"Bartlesville"	18	670	0	10	10	0	1	1	Salt water	Arbuckle	32	0	-	24
	Totals						44					0	14	14	0	3	2	Estimated additional secondary recovery production				24,586	
																						24,586	
									BUTLER COUNTY														
25	Blankenship	Franco Central Oil Co.	Hughes	9-26-8E	-	1951	80	0	"Bartlesville"	67	2,500	0	12	12	0	12	0	Salt water	Douglas sand	350	2,789	60,446	25
26	do	T. O. Lilystrand, Jr.	Dunne	9-26-8E	-	-	-	-	do	18	2,500	-	4	4	1	0	-	-	-	-	-	-	26
27	do	L. A. Seidenfeld	Sallyards Flood	9,16-26-8E	Coop.	1952	60	0	do	40	2,560	0	6	6	0	3	0	Salt water	Bartlesville and Arbuckle	700	1,200	16,889	27
28	do	Sohio Petro. Co.	do	9,16,17-26-8E	No	1949	157	0	do	41	2,500	0	18	18	0	16	0	do	Arbuckle do	150	4,100	77,369	28
29	El Dorado	Cities Service	El Dorado Shallow	19,20,21,28,29 30,31,32,33-25-5E; 5,6-26-5E	Coop.	1947	3,600	1,385	El Dorado shallow sand	16	650	0	391	391	9	187	73	do	Arbuckle and produced	139	626	1,184,841	29
30	do	do	Finney	4,9-26-5E	Coop.	1940	123	70	Simpson sand	24	2,600	0	6	6	0	2	0	do	Douglas	207	284	23,683	30
31	do	do	Koogler	17,18,19,20, 24-26-5E	Coop.	1948	1,240	360	Viola-Simpson	60	2,550	0	157	157	9	72	0	do	Arbuckle produced water	350	3,370	773,679	31
32	do	do	Marmaton Flood	21-25-5E	No	1955	37	88	Marmaton	30	2,100	0	4	4	0	6	5	do	Arbuckle and produced	87	790	29,224	32
33	do	do	Wilson Simpson Flood	8,9-25-5E	No	1955	120	-	Simpson sand	20	2,550	0	16	16	0	6	4	do	Produced water	145	1,205	144,673	33
34	do	do	Wilson Shallow	8,9-25-5E	Coop.	1954	400	0	El Dorado shallow sand	10	700	0	57	57	3	21	0	do	do	268	602	230,803	34
35	do	Magnolia Petro. Co.	Koogler No. 6	21,29,30-26-5E	Coop.	1951	275	0	Simpson	-	2,600	0	57	57	0	11	0	do	Arbuckle and produced	497	-	308,777	35
36	do	Musgrove and Milliken	-	2-25-5E	Coop.	1953	40	-	"Peru"	10	2,240	-	1	1	-	1	-	Pump	"Peru"	100	-	*	36
37	do	Skelly Oil Co.	Hazlett Water Flood	19-25-5E	Coop.	1954	130	0	700' sand	5	700	0	9	9	1	6	0	Salt water	Viola	145	784	8,272	37
38	do	do	Page Water Flood	9-26-5E	Coop.	1950	30	0	Wilcox sand	30	2,550	0	3	3	0	0	0	do	-	250	1,491	6,000	38
39	do	Stelbar Oil Corp.	Stone Lease	2-25-5E	-	1953	-	-	"Peru"	40	2,150	-	4	4	-	1	-	do	Water sand	100	-	-	39
40	do	The Texas Co.	El Dorado Water Flood Project	17-25-5E	Coop.	1954	160	-	Indian Cave	14	700	0	11	11	3	11	8	do	Produced water	152	-	27,180	40
41	Fox-Bush	Magnolia Petro. Co.	North Fox-Bush Unit	23,24,25,26, 35-28-5E	Unit.	1951	498	0	"Bartlesville" sand	40	2,760	0	55	55	14	26	6	do	Arbuckle	255	-	328,180	41
42	do	Morrison Producing Co.	Fox Unit No. 1	1,2,11,12-29-5E	Unit.	1942	127	880	"Bartlesville"	25	2,835	0	28	28	8	14	6	do	Wreford and Return	314	1,075	185,308	42
43	Haverhill	Cities Service Oil Co.	Haverhill Unit	15,22,27,34-27-5E	Unit.	1953	160	0	do	30	2,700	0	40	40	0	6	0	do	Arbuckle and produced	247	313	47,413	43
44	Hazlett	Rex and Morris Drlg. Co.	Olassen ¶	6-24-5E	No	-	-	320	Miss. "chat"	10	2,450	0	15	15	0	0	0	do	Mississippian or Arbuckle	-	0	0	44
45	Smock-Sluss	Beren et al.	Smock	2-27-5E	Unit.	1953	40	120	"Bartlesville"	50	2,700	-	2	2	-	1	-	do	320' waterwell	200	-	*	45
46	do	Burton Oil Producing Co.	Falkenburg	8-26-6E	No	1953	200	280	do	20	2,700	0	6	6	-	2	-	do	"Bartlesville"	600	-	*	46
47	do	L. A. Seidenfeld	R. E. Sluss	26-26-5E	Coop.	1953	40	0	do	38	2,780	0	1	1	0	1	0	do	Return Bartlesville	-	700	11,732	47
48	do	Skelly Oil Co.	Sluss Water Flood	25,26-26-5E	Coop.	1953	40	0	do	40	2,710	0	3	3	0	2	0	do	950' sand	217	1,216	21,511	48
49	do	The Texas Co.	C. A. Smock Project	2-27-5E	-	1951	60	-	"Bartlesville" sand	35	2,700	0	6	6	0	1	0	do	Produced	172	-	3,019	49
50	Snowden-McSweeney	Rex and Morris Drlg. Co.	Wunsch	8-29-6E	No	1953	20	150	"Bartlesville"	25	2,800	-	12	12	0	1	0	Recycled formation water (salt)	"Bartlesville"	100	-	-	50
	Totals						7,637					0	324	324	58	409	102	Estimated additional secondary recovery production				37,000	
																						3,526,419	
									BUTLER and GREENWOOD COUNTIES														
51	Blankenship	Tide Water Associated Oil Co.	Blankenship	35,36-25-8E 9,10,16,17, 21-26-8E	Coop.	1949	750	450	"Bartlesville"	36	2,450	0	66	66	7	63	3	Salt water	Arbuckle "Bartlesville"	146	2,182	339,398	51
									CHASE COUNTY														
52	Teeter	Glenwood Oil Co.	Leedy	25,36-22-9E	-	1953	80	100	"Bartlesville"	10	2,500	-	6	6	-	-	-	Salt water	Douglas	100	-	-	52
									CHAUTAUQUA COUNTY														
53	Peru-Sedan	Alpine Oil and Gas Corp.	Alpine Fee	22-34-12E	-	1954	20	20	"Peru"	21	1,116	0	10	10	-	3	-	Salt water	Return salt water	18	-	-	53
54	do	Ralph Bynum	White	22-34-11E	No	1952	10	150	do	20	1,288	0	4	4	-	1	-	do	Big salt or Layton sand	60	-	545	54
55	do	F. W. Pershall	F. W. Pershall and Son	4-35-12E	Unit.	1953	70	50	do	20	990	0	6	8	-	7	-	do	"Peru" sand	20	-	4,683	55
56	do	G. B. Suppes	McMillan	27-34-12E	-	1952	160	0	do	20	1,150	0	13	13	-	0	-	do	-	-	-	-	56
	Totals						260						33	33	0	11	0	Estimated additional secondary recovery production				706,043	
																						711,271	
									COWLEY COUNTY														
57	Canfield	Gross Producing Co.	Waltz	11-34-3E		1955	60	0	"Bartlesville"	20	3,335	0	4	4	0	1	0	Salt water	Layton	150	28	1,670	57
58	Couch	Stelbar Oil Corp., Inc.	Couch Unit	12,13-30-5E	Unit.	1955	300	200	do	30	2,750	0	24	24	3	2	1	do	Stalnaker	100	-	0	58
59	Eastman	The Texas Co.	Eastman Pool	31-30-6E; 6-31-6E	-	1929	120	-	"Bartlesville" sand	14	2,850	0	19	19	0	8	0	Gas and salt water	Produced	169 B.W. + 650 M. cu. ft.	-	14,012	59
60	Frog Hollow	Carter Oil Co.	Frog Hollow Pilot Flood	16,20,21-32-5E	-	1952	70	110	do	15	3,050	0	5	5	0	2	0	Salt water	do	240	76	3,230	60
61	Rahn	B. B. Blair	Jesse Rahn	13-34-5E	No	1953	100	0	do	27	2,900	0	3	3	0	2	0	do	Pennsylvanian sand	362	75	7,477	61
62	do	do	Rahn Unit	12,13-34-5E; 6,7-34-6E	Unit.	1951	160	0	do	25	2,900	0	6	6	0	4	0	do	Permian sand	335	834	89,920	62
63	Rainbow Bend	Sunray Mid-Continent	Rainbow Bend Field	16,17,20,21,28, 29-33-3E	Coop.	1952	600	0	"Bartlesville"	29	3,200	0	35	35	0	19	0	Fresh water	River beds	427	860	221,687	63
64	Rock	Cooperative Refinery Assn.	Rock Unit I	11,12-30-4E	Unit.	1952	80	0	do	18	2,700	0	5	5	0	3	0	Salt water	Stalnaker	113	545	17,340	64
65	do	do	Rock Unit II	21-30-4E	Unit.	1953	110	0	do	18	2,750	0	9	9	0	5	0	do	do	190	1,800	132,800	65
66	do	Stelbar Oil Corp.	Rock Unit	11,14,15,16-30-4E	Unit.	1951	760	60	"Bartlesville" sand	20	2,800	0	25	25	2	15	0	do	Stalnaker sand	6,200	1,200	160,000	66
67	Weathered	Bert Frost	Weathered Lease	28-31-3E	No	1946	40	0	Stalnaker	5	2,100	0	3	3	0	1	0	do	Stalnaker	40	2,180	1,992	67
68	Winfield	Gulf Oil Corp.	M. Shannon Lease	24-32-4E	Coop.	1948	15	0	"Bartlesville"	38	2,980	0	3	3	0	1	0	do	"Bartlesville" and "Layton sands"	28	1,636	6,816	68
69	do	Sinclair Oil and Gas Co.	Winfield Line Flood	24-32-4E	Coop.	1948	10	280	do	43	3,000	0	3	3	0	1	0	do	Produced	650	783	320	69
	Totals						2,425						144	144	5	64	1					657,164	
									CRAWFORD COUNTY														
70	Brazilton	Walters Drlg. Co.	Brazilton	36-28-22E	No	1954	5	-	"Bartlesville"	50	325	0	5	5	0	4	0	Fresh water	Well and Mississippian	20	-	1,200	70
71	"Houston"	Fallon Gas Corp.	Tri State Oil Producers	3-31-22E	No	1953	55	50	do	20	200	0	12	12	0	3	0	do	Well	-	-	1,578	71
72	St. Paul-Walnut	Walters Drlg. Co.	Stevens Goff Lease	26,35-28-21E	No	1953	12	250	do	20	400	0	10	10	1	10	0	Salt water	Arbuckle	30	350	3,000	72
73	Walnut Southeast	General American Oil Co. of Texas	Walnut	28-28-22E	No	1951	13	70	do	12	385	0	6	6	0	9	0	do	do	7	1,568	4,286	73
	Totals						85						33	33	1	26	0	Estimated additional secondary recovery production				30,258	
																						40,322	
									ELLIS and ROOKS COUNTIES														
74	Brungardt	Champlin Refining Co.	Brungardt Unit	2-11-17W; 35, 36-10-17W	Unit	1956	237	0	Pennsylvanian conglomerate	7	3,500	-	6	-	0	4	0	Arbuckle	Arbuckle Oil Wells	0	-	-	74
									FRANKLIN COUNTY														
75	Paola-Rantoul	General American Oil Co. of Texas	Heminger-Finch	20,28,29-16-21E	No	1951	189	0	"Squirrel"	20	600	18	52	70	0	75	0	Salt water	Mississippian Lime	30	1,252	52,286	75
76	do	do	Johnson	27,34-16-21E	No	1948	136	0	do	12	580	31	16	47	0	51	0	do	do	19	1,468	*	76
77	do	Maracaibo	Group 3	4,8,9,16,17,20, 21-16-21E	-	1951	190	0	do	20	650	0	60	60	0	-	0	do	-	-	2,700	*	77
78	do	do	Group 7	3,10,15,22-17-21E	-	1942	608	0	do	15	500	170	30	200	0	200	0	-	Fresh	-	1,732	*	78
	Totals						1,123					219	158	377		326	0	Estimated additional secondary recovery production				60,285	
																						310,525	
									GREENWOOD COUNTY														
79	Atyeo	Cities Service Oil Co.	Atyeo	6-22-10E	Coop.	1952	210	0	"Bartlesville"	39	2,300	0	30	30	5	24	5	Salt water	Arbuckle and produced water	122	2,970	183,204	79
80	Browning	Sinclair Oil and Gas Co.	Browning Unit	19,20,29,30-22-10E	Unit.	1949	420	700	do	51	2,300	1	64	65	3	31	7	do	Arbuckle and produced	303	606	48,227	80
81	Burkett	Phillips Petro. Co.	Burkett Unit	18-23-11E; 13, 23,24,26,27-23-10 E	Unit.	1942	665	0	do	33	2,100	0	83	83	0	75	0	do	Douglas and produced	140	773	158,282	81
82	DeMalorie-Souder	Cities Service Oil Co.	Greenwood Unit	19,30-22-11E	Unit.	1952	66	0	"Bartlesville" sand	30	2,200	0	6	6	0	6	0	do	Douglas and produced water	151	968	12,641	82
83	do	Phillips Petro. Co.	DeMalorie-Souder Unit	1,2,11,12-22-10E	Unit.	1949	640	20	"Bartlesville"	55	2,100	0	38	38	0	37	0	do	Arbuckle and produced	280	1,597	608,862	83
84	do	do	Pix Unit	3,10-22-10E	Unit.	1948	25	0	do	55	2,100	0	3	3	0	2	0	do	do	80	3,494	11,379	84
85	do	do	Souder "B"	7-22-11E	Unit.	1953	27	0	do	30	2,100	0	3	3	0	2	1	do	do	450	1,133	25,151	85
86	do	Sunray Mid-Continent	I. D. Clopton	18,19-22-11E	Unit.	1946	117	30	do	25	2,075	0	14	14	0	5	0	do	Douglas sand	136	4,500	20,804	86
87	Fankhauser	Cities Service Oil Co.	Fankhauser	4-22-12E	Coop.	1950	70	0	do	24	1,800	0	2	2	0	0	0	do	Douglas and produced water	149	2,344	6,081	87
88	do	Sunray Mid-Continent	Fankhauser Unit	4-22-12E	Unit.	1949	246	0	do	24	1,900	2	25	27	0	17	0	do	Douglas sand	240	5,900	69,950	88
89	do	do	Swanson Unit	9-22-12E	Unit.	1950	45	0	do	25	1,850	2	3	5	0	2	0	do	do	240	1,320	4,270	89
90	Hamilton	Associated Resources Corp.	Associated Resources Corp.	8,9-24-12E	Coop.	1951	120	80	do	16	1,700	0	9	9	2	4	2	do	do	12	-	*	90
91	do	Phillips Petro. Co.	Brothers Unit	35-23-11E	Unit.	1955	28	0	do	20	1,850	0	4	4	0	2	0	do	Arbuckle	200	19	550	91
92	Lamont	Cities Service Oil Co.	Lamont Unit	30-22-13E; 23, 24,25,26-22-12E	Unit.	1959	640	0	"Bartlesville" sand	42	1,650	0	70	70	3	53	0	do	Douglas and produced water	78	1,585	150,425	92
93	Madison	do	Madison Unit	11,12,14,15,22, 23-22-11E	Unit.	1948	1,045	0	"Bartlesville"	38	1,850	0	64	64	0	47	0	do	Arbuckle and produced water	246	1,460	625,055	93
94	do	Magnolia Petro. Co.	Kipfer-McGilvray Unit	11,12-22-11E	Unit.	1949	75	-	do	-	1,800	0	6	6	0	6	0	do	Douglas sand	361	-	43,196	94
95	Polhamus	Glenwood Oil Co.	Polhamus Water Flood	34-24-9E; 3-25-9E	Coop.	1949	248	0	do	29	2,250	0	30	30	0	21	0	do	Douglas	252	3,934	175,581	95
96	do	Sohio Petro. Co.	do	27,34-24-9E; 4-25-9E	No	1949	195	0	"Bartlesville" sand	35	2,200	2	25	27	0	30	0	do	Douglas sand	100	5,000	67,554	96
97	Quincy	Delhi-Taylor Oil Corp.	North Quincy	5,6-25-13E; 31-24-13E	Coop.	1955	100	100	"Bartlesville" and "Cattleman"	12	1,500	0	10	10	1	5	2	Water and salt	Arbuckle	50	0	0	97
98	Sallyards	Ohio Oil Co.	Bryden-Ladd	31-25-9E; 25, 36-25-8E	Coop.	1953	181	-	"Bartlesville"	40	2,400	0	21	21	3	12	0	Salt water	Douglas sand	112	843	*	98
99	do	do	Hoffman	30-25-9E	Coop.	1951	71	0	do	40	2,400	0	8	8	0	5	0	do	do	55	2,569	*	99
100	do	do	Ladd Unit	19,30-25-9E	Coop.	1946	205	0	do	50	2,400	0	11	11	0	10	0	do	do	111	4,832	*	100
101	do	do	Ladd "A"	19,20-25-9E	Coop.	1951	94	0	do	40	2,400	0	9	9	1	5	0	do	do	94	1,833	*	101
102	Scott	Phillips Petro. Co.	Scott Unit	24,25-23-8E; 19, 30-23-9E	Unit.	1945	332	30	do	40	2,600	0	38	38	0	16	0	do	Douglas and produced	390	1,771	99,002	102
103	Seeley-Wick	Cities Service Oil Co.	Clopton Unit	8-23-11E	Unit.	1946	195	0	do	32	1,900	0	26	26	0	20	0	do	Produced water	146	4,310	45,248	103
104	do	Magnolia Petro. Co.	Seeley Unit	4,5,6,9-23-11E	Unit.	1943	573	0	do	-	1,950	1	61	62	0	58	0	do	Douglas sand	197	-	90,773	104
105	do	Pay Rock Oil Co.	Freeburg	22-22-11E	No	1952	30	10	do	21	1,700	0	2	2	-	-	-	do	"Bartlesville"	110	-	-	105
106	do	Phillips Petro. Co.	Beal Unit	21,22,27,28-23-11E	Unit.	1950	482	30	do	55	1,900	0	57	57	2	48	0	do	Arbuckle and produced	330	7,360	755,767	106
107	do	do	McGilvray Unit	8,9,16,17-23-11E	Unit.	1948	340	20	do	37	1,950	0	33	33	4	13	0	do	do	400	2,280	311,896	107

No.	Field	Operator	Project	Location	Cooperative or unitized	Year started	Total developed acres	Possible additional acres	Producing formation	Thickness of producing zone, feet	Average depth to producing zone, feet	Active wells: Flowing	Active wells: Pumping	Active wells: Total	No. producing wells drilled in 1955	No. active injection wells, 1955	No. injection wells drilled in 1955	Medium of injection	Source of water	Average bbls. water injected per well per day	Cumulative secondary oil recovery per developed acre, bbls.	Production attributable to secondary recovery in 1955, bbls.	No.
108	do	do	Seeley-Wick Unit	28,33-22-11E	Unit.	1943	253	0	do	37	1,950	0	21	21	0	13	0	do	Douglas and produced	120	2,308	21,327	108
109	do	do	York DeMalorie and O'Neal	32-22-11E	Unit.	1937	178	0	do	47	1,950	0	21	21	1	19	0	do	do	240	8,309	50,264	109
110	do	do	York Wescott	33-22-11E	Unit.	1943	94	0	do	30	2,000	0	6	6	0	7	0	do	do	130	2,689	9,554	110
111	do	Skelly Oil Co.	Wick Water Flood	22,27,34-22-11E	Coop.	1943	570	0	"Bartlesville" sand	20	1,975	0	31	31	0	19	0	do	1000' water sand	325	1,803	*	111
112	Teeter	Cities Service Oil Co.	Teeter Unit	10,11,14,15, 16-23-9E	Coop. + Unit	1947	760	240	do	37	2,470	0	79	79	2	41	2	do	Arbuckle and produced water	195	574	125,069	112
113	do	Kirkpatrick and McGuire	Refiners, Morris-McGinnis	20,21-23-9E		1951	62	-	"Bartlesville"	36	2,550	0	5	5	0	2	1	do	Douglas sand	360	385	14,204	113
114	do	Skelly Oil Co.	Hartley Water Flood	2-23-9E	-	1944	30	0	"Bartlesville" sand	45	2,350	0	2	2	0	1	0	do	Salt, water and sand	300	5,990	*	114
115	Thrall-Aagard	Arkansas Fuel Oil Corp.	E. Marshall Lease	1-24-9E	No	1944	84	0	"Bartlesville"	37	2,300	0	10	10	0	5	0	do	Douglas (1,200')	193	5,338	*	115
116	do	Ohio Oil Co.	Martindell-Teeter	31-23-10E; 6-24-10E	No	1948	366	10	do	50	2,300	0	41	41	0	37	0	do	Douglas and Arbuckle	137	4,736	*	116
117	do	do	Olson-Anderson	11-24-9E	Unit.	1944	102	0	do	42	2,200	0	8	8	0	5	0	do	Douglas sand	298	6,732	*	117
118	do	Phillips Petro. Co.	Aagard Unit	14,23-24-9E	Unit.	1957	48	0	do	40	2,100	0	2	2	0	1	0	do	Douglas and produced	340	8,100	5,451	118
119	do	do	Cartwright Unit	36-23-9E; 1-24-9E; 6-24-10E	Unit.	1952	165	30	do	36	2,200	0	20	20	2	14	0	do	Arbuckle and produced	270	3,038	124,807	119
120	do	do	Gard Block	14,28-24-9E	Unit.	1938	110	0	do	70	2,150	0	13	13	0	4	0	do	Douglas and produced	100	8,550	10,106	120
121	do	do	Lewis and Cannon Units	11,12-24-9E	Unit.	1945	80	10	do	50	2,300	0	11	11	0	8	0	do	do	160	7,605	22,815	121
122	do	Sinclair Oil and Gas Co.	Thrall-McKee Cons. Water Flood	28,29,30,32, 33-23-10E	Unit.	1949	644	0	do	31	2,300	15	62	77	0	58	0	do	do	238	4,300	224,176	122
123	Virgil	Alf M. Landon	Hamilton Leases Water Flood	15,16,21,22-24-12E	No	1961	-	-	"Bartlesville" sand	20	1,615	0	38	38	1	3	0	do	Douglas sand and Arbuckle	610	-	1,500	123
	Totals						11,081					23	1,125	1,148	30	793	20	Estimated additional secondary recovery production			763,598	
																						5,401,273	
									GREENWOOD and WOODSON COUNTIES														
124	Quincy	Delhi-Taylor Oil Corp.	South Quincy	10,14,15,23-25-13E	Coop.	1948	200	-	"Bartlesville"	20	1,500	-	22	22	5	17	2	Salt water	Arbuckle	100	4,800	*	124
									LABETTE COUNTY														
125	Coffeyville-Cherryvale	Layton Oil Co.	Labette Oil Co.	35-31-17E; 2-32-17E	No	1955	15	80	"Bartlesville"	12	700	0	2	2	1	6	6	-	Mississippian lime	-	-	-	125
126	Price	Veeder Supply and Development Co.	Labette Flood	7,8-33-18E	No	1952	30	90	do	10	-	0	14	14	2	10	4	Fresh	Shallow and return water	30	-	-	126
	Totals						45						16	16	3	16	10	Estimated additional secondary recovery production			67,758	
																						67,758	
									LINN COUNTY														
127	Goodrich-Parker	General American Oil Co. of Texas	Goodrich	19,20,29,30-20-22E	No	1944	211	0	"Squirrel"	30	570	83	16	99	1	99	0	Salt water	Arbuckle	14	1,623	32,076	127
128	LaCygne-Cadmus	do	LaCygne	2,3-20-23E; 34, 35,36-19-23E	No	1942	81	0	"Peru"	20	250	20	30	50	0	47	0	do	Wilcox sand	17	1,424	15,460	128
	Totals						292					103	46	149	1	146	0	Estimated additional secondary recovery production			38,994	
																						86,530	
									LYON COUNTY														
129	Atyeo	Barbara Oil Co.	Jones Water Flood	30-21-10E	Coop.	1948	50	0	"Bartlesville"	30	2,200	-	5	5	0	3	3	Salt water	Arbuckle and "Bartlesville"	299	2,457	*	129
130	do	Ohio Oil Co.	Atyeo Communization	30,31-21-10E	No	1945	280	0	do	35	2,200	-	33	33	0	25	0	do	Arbuckle	215	5,287	*	130
131	Fankhauser	Phillips Petro. Co.	Lauck Unit	32,33-21-12E	Unit.	1943	100	0	do	25	1,950	-	7	7	0	5	0	do	Douglas and produced	280	2,647	*	131
	Totals						430						45	45	0	33	3					124,914	
									McPHERSON COUNTY														
132	Graber	Cities Service Oil Co.	Graber	31,32-21-1W	Coop.	1952	30	0	Hunton	25	3,285	-	4	4	0	1	0	Fresh water	Shallow water sand	83	2,352	14,449	132
133	do	Continental Oil Co.	Graber Pool Water Flood	20,29,32-21-1W	Coop.	1947	1,400	0	Hunton	16	3,200	-	56	56	0	21	0	Salt and fresh water	Hunton, Kansas City and fresh water	283	1,993	455,640	133
134	Ritz-Canton	John Jay Darrah	Edwin E. Koehn	34-19-2W	-	1954	90	70	Mississippian lime	150	2,960	0	6	6	-	1	-	Salt water	Mississippian lime	100	-	-	134
	Totals						1,520						66	66		25						470,089	
									MIAMI COUNTY														
135	Block	Dimertine	Block Oil Field Territory	21,16-18-24E	Coop.	1947	40	120	"Squirrel" sand	50	515	-	20	20	10	4	0	Fresh water	Pond	-	-	*	135
136	Paola-Rantoul	J. Wm. Everhart	Big Lake Development	20-16-24E	Coop.	1953	166	250	"Peru sand"	35	400	-	45	45	20	45	4	Salt water	Arbuckle	110	590	*	136
137	do	General American Oil Co. of Texas	NYK No. 2 and Seaborn	22,23,26,27-18-22E	No	1944	287	0	"Peru"	20	350	103	2	105	0	99	0	do	do	24	1,109	23,597	137
138	do	do	Producers	15,16,21,22,26, 27-17-22E	No	1945	627	0	do	14	350	176	2	178	0	196	0	do	do	27	831	53,949	138
139	do	Hart and Buster	Nicholson, Black and Travis ¶	10-17-22E	Coop.	1955	15	25	"Squirrel" sand	30	650	-	35	35	-	-	2	Fresh water	Hertha limestone	-	-	-	139
140	do	Henderson and Yolton	Grimes	28,33-16-24E	-	1953	40	-	"Peru"	15	400	-	4	4	-	-	-	Air	-	-	-	-	140
141	do	Maracaibo	Floods 1, 2, and 3	11,14,13,23,24, 25,26,35-16-21E; 31-16-22E; 6,5,8, 9-17-22E	Unit.	1947	505	25	"Squirrel" sand	25	650	40	85	125	20	250	25	Salt water	Arbuckle	-	3,700	*	141
142	do	The Spearow Co.	Spearow	14-18-22E	-	1951	-	-	"Peru"	-	-	-	-	-	-	-	-	Air	-	-	-	-	142
	Totals						1,680					319	193	512	50	594	31	Estimated additional secondary recovery production			83,160	
																						552,731	
									MONTGOMERY COUNTY														
143	Caney	Alpine Oil and Gas Corp.	Roper	3-35-14E	No	1953	10	80	"Bartlesville"	18	1,298	0	10	10	1	3	0	Salt	Big salt and return	32	-	3,285	143
144	Coffeyville-Cherryvale	Atlantic Refg. Co.	Coffeyville	19-34-17E	No	1954	6	300	do	20	600	0	5	5	0	4	0	Fresh and produced	Verdigris River	-	-	*	144
145	do	E. W. Hayes	Raney	7-34-17E	-	1946	60	300	"Peru"	20	330	0	22	22	-	24	-	Salt and fresh	Formation and City of Coffeyville	8	-	-	145
146	do	do	Reeter Field	9,10-34-17E	No	1948	60	60	do	20	320	0	20	20	0	20	0	Salt water	Arbuckle and formation	-	-	-	146
147	do	Layton Oil Co.	Mardoc Flood	10-32-17E	No	1953	70	40	"Bartlesville"	20	718	0	17	17	6	19	9	do	Return water and City water	46	-	-	147
148	Jefferson-Sycamore	W. E. Butler	Sonaud, Frost, Benson, Provorse and Jackson Leases	11,14-33-15E	-	1955	50	320	do	25	1,109	0	7	7	2	6	6	Fresh water	City of Independence	80	0	0	148
149	do	Gee-Bee Oil Co.	Harvey	13-34-15E	No	1952	-	100	"Wayside"	15	375	0	4	4	-	2	-	-	"Bartlesville"	28	-	-	149
150	do	Kirkpatrick and McGuire	Speed Recovery, Inc.	22-33-15E	-	1952	12	-	"Bartlesville"	20	1,153	0	4	4	0	1	0	Fresh water	City of Independence	79	-	*	150
151	Wayside-Havana	Alpine Oil and Gas Corp.	Alpine Fee No. 2	34-33-14E	No	1950	10	150	"Wayside"	22	701	0	19	19	1	2	0	Salt	Big salt and return	26	-	-	151
152	do	Consolidated Gas, Oil and Mfg. Co.	Bell No. 1 and 2	10,11-34-14E	No	1944	47	50	do	22	657	6	13	19	0	12	0	Salt and fresh water mixed	Wells and return	13	1,254	3,270	152
153	do	do	Flanagan No. 1 and 2	10,11-34-14E	No	1942	105	110	do	22	657	10	31	41	0	27	0	Salt and fresh water	do	17	2,599	10,010	153
154	do	Forest Oil Corp.	Flood No. 32	14,23-34-14E	-	1955	36	230	"Wayside" sand	20	635	0	27	27	3	12	8	do	Big salt sand	16	377	*	154
155	do	Consolidated Gas, Oil, Mfg. Co.	Havener	33-33-14E	No	1953	55	105	"Wayside"	22	680	0	17	17	2	13	6	do	Wells and return	23	437	9,892	155
156	do	do	Shinn	11-34-14E	No	1945	40	60	do	22	636	0	26	26	0	12	0	Salt and fresh water mixed	do	10	2,295	4,469	156
	Totals						561					16	222	238	15	157	29	Estimated additional secondary recovery production			604,615	
																						658,249	
									MONTGOMERY and LABETTE COUNTIES														
157	Coffeyville-Cherryvale	Buffalo Oil Co.	Country Club Flood	26,27,35-32-17E	Coop.	1956	5	150	"Bartlesville" sand	12	690	-	1	1	1	4	4	Salt water	Produced and Mississippian	33	23	90	157
									NEOSHO COUNTY														
158	Erie	Earl Beeler	Barnhart, Ermey, and Faust	34,35-28-20E	Unit.	1953	40	160	"Bartlesville"	25	500	0	30	30	6	20	4	Water Pump	City water and lime	40	434	17,371	158
159	do	E. W. Edwards	Erie-Shaw	14,15-28-19E; 19-28-20E	-	-	10	90	do	25	550	0	22	22	0	5	0	Fresh	Blue shale	120	-	8	159
160	Humbolt-Chanute	Belleair Oil Corp.	Odense Block	7,18-27-20E	-	1953	20	50	do	12	750	3	9	12	2	8	0	Salt water	Mississippian	50	1,500	11,000	160
161	do	do	Weiner Block	4,9-27-18E	No	1951	195	20	do	17	720	43	27	70	8	56	1	do	do	150	1,800	107,000	161
162	do	C.P.M. Corp.	Chanute Flood	1,2,10,11,12,14, 15,22,23,27,28-27-18E; 6,7-27-19E	No	1938	1,000	-	do	30	760	402	14	416	2	437	0	Fresh and return	Neosho River	41	4,055	114,478	162
163	do	Keas Drlg. Co., Inc.	Chanute Project	3,4,9,10,15, 16-27-18E	-	1939	285	65	-	25	750	35	94	129	0	0	0	Salt and fresh	Gravel and return water	-	-	51,312	163
164	do	Kirkpatrick and McGuire	W.M.Wells Flood Project	14,15-27-19E	Coop.	1952	35	-	"Bartlesville" sand	30	825	0	20	20	0	-	1	Salt water	Mississippian lime	58	279	2,908	164
165	do	do	6,7-28-19E		Coop.	1952	30	-	"Bartlesville"	35	750	0	11	11	-	5	0	do	do	94	896	12,182	165
166	do	R. J. Sanders	Cora E. Banks	13-27-18E	-	-	0	?	"Bartlesville" sand	6	710	0	2	2	1	-	0	do	Oswego lime	-	-	0	166
167	St.Paul-Walnut	W. P. Callahan, Jr.	Henry Van Leenmer	23-29-21E	Coop.	1955	40	120	"Bartlesville"	18	420	0	18	18	0	6	6	Fresh water	Stream	30	-	-	167
168	do	Walters Drlg. Co.	Dent	21,28-28-21E	No	1953	10	200	do	20	380	0	9	9	1	3	0	do	Shallow sand	10	-	1,800	168
	Totals						1,665					485	236	719	20	540	11	Estimated additional secondary recovery production			156,532		
																						474,591	
									PRATT COUNTY														
169	Chitwood	Lion Oil Co.	Chitwood Simpson Unit	14,22,23,26, 27-28-12W	Unit.	1955	2,240	0	Simpson	30	4,500	0	49	49	0	8	0	Salt water	Topeka and Simpson	942	0	0	169
									PRATT and KINGMAN COUNTIES														
170	Cunningham	Skelly Oil Co.	Cunningham Pressure Maintenance Project	24,25,26-27-11W 19,20,29,30, 31-27-10,11W		1936	1,400	0	Lansing limestone	16	3,400	0	64	64	0	5 mcf	-	Gas	-	585 mcf	1,432	90,785	170
									RENO COUNTY														
171	Abbyville	Skelly Oil Co.	Abbyville Water Flood	24-24-8W	No	1948	200	-	Lansing limestone	15	3,525	0	4	4	0	2	0	Salt water	Topeka and Lansing	160	118	18,440	171
172	Zenith-Peace Creek	Cities Service Oil Co.	Peace Creek Unit	30,31,6,35,1,2, 11,12-22,23-9, 10W	Unit.	1951	480	3,060	Viola	10	3,750	0	33	33	0	5	0	do	Produced	354	0	0	172
	Totals						680						37	37		7	0					18,440	
									RICE COUNTY														
173	Orth	Artnell Co.	Habiger	27-18-10W	No	1954	80	160	Topeka (Shawnee)	7	2,700	0	2	2	0	1	0	Salt water	Topeka and quartzite	200	-	-	173
									ROOKS COUNTY														
174	Marcotte	The Texas Co.	H. Berland "A" Repressure System	19,30-10-19W	-	1954	300	-	Arbuckle	15	3,800	0	15	15	-	1	-	Salt water	Produced Arbuckle	1,500	-	-	174
									RUSSELL COUNTY														
175	Fairport	The Texas Co.	L. S. Ginther Project	19-12-15W	-	1954	30	-	Lansing lime	-	3,100	0	2	2	0	1	0	Salt water	Produced	304	-	0	175
176	Gorham	do	D. H. Brandenburg Project	20-14-14W	Coop.	1954	130	-	do	-	3,100	0	6	6	0	1	0	do	do	389	-	1,448	176
177	Hall-Gurney	Stanolind Oil and Gas Co.	Krug "A" Water Flood	27,28-14-14W	No	1953	460	360	Lansing	136	3,000	0	17	17	1	8	0	do	Dakota sand	320	181	22,000	177
178	do	Sunray Mid-Continent	Strecker "A" and Strecker "B"	25-14-14W	Coop.		160	160	Lansing-K.C.	-	2,921	0	5	5	0	0	0	-	-	0	0	0	178
179	do	The Texas Co.	L., M. and S. Boxberger Project	10,11,14,15-14-14W	-	1954	210	-	Lansing lime	-	3,050	0	9	9	0	5	0	do	Produced	186	-	21,234	179
180	do	do	G. Boxberger "A" and "B" Project	22-14-14W	Coop.	1951	180	-	do	-	3,100	0	8	8	0	1	0	do	do	224	-	12,762	180
181	do	do	E. P. Gurney Project	23-14-14W	Coop.	1955	100	-	do	-	3,150	0	3	3	0	1	0	do	Produced and Dakota sand	71	-	93	181
182	do	do	C. W. Shaffer and E. W. Mohl Project	18-14-13W	Coop.	1953	200	-	Upper and lower Tarkio sands	11	2,525	0	17	17	0	2	0	do	Produced water	13	-	0	182
	Totals						1,470						67	67	1	19	0					57,537	
									RUSSELL and ELLIS COUNTIES														
183	Fairport	Stanolind Oil and Gas Co.	Kate Austin Water Flood	25-12-16W; 30,31-12-15W	No	1952	120	380	Dodge and Lans.-K.C.	90	3,000	0	9	9	3	1	0	Salt water	Dakota sand	350	550	19,000	183
									SEDGWICK COUNTY														
184	Robbins	Magnolia Petro. Co.	Henry Robbins	20-28-1E	-	1945	80	-	Mississippian lime	-	3,100	0	6	6	0	2	0	Salt water	Produced with oil	272	-	11,128	184
185	do	Stanolind Oil and Gas Co.	Robbins Field	20-28-1E	Coop.	1947	200	0	Mississippian chat	40	3,080	0	9	9	1	5	0	Salt and fresh water	Produced and water wells	280	-	70,000	185
	Totals						280						15	15	1	7	0					81,128	
									SUMNER COUNTY														
186	Wellington	Cooperative Refining Assn.	Wellington Unit	28,29,32,33-31-1W; 4,5,6,7,8, 9-32-2W	Unit.	1953	900	800	Mississippian	20	3,600	0	99	99	0	21	0	Salt water	Topeka	220	325	20,000	186
									WILSON COUNTY														
187	Neodesha	Keas Drlg. Co., Inc.	Thayer Project	16,17-29-17E	-	1954	30	228	"Bartlesville"	30	840	0	33	33	0	12	0	Salt water	Deep well and return	1,200	-	28,659	187
	Totals						30						33	33	0	12	0	Estimated additional secondary recovery production			20,000		
																						48,659	
									WOODSON COUNTY														
188	Neosho Falls	Susmio Oil Co.	Neosho Falls Area	24-23-16E	-	1952	100	-	"Squirrel"	8 est.	940	0	23	23	-	12	-	Salt water	Kansas City lime	19	-	-	188
																		Estimated additional secondary recovery production				149,924	

* Production not to be revealed; included in county total.
\# Pilot flood, injection starts May 15, 1956.
\+ Inactive during 1955.
¶ Pilot flood.
Abandoned, 1955.