

By Goebel, E.D., Hilpman, P.L., Beene, D.L. and Noever, R.J.

Oil and Gas Investigations No. 20

(Includes Allen thru Greenwood Counties)

No.	Field	Operator	Project	Location	Cooperative or unitized	New started	Total de-veloped acres	Producing formation	Thickness of producing zone, feet	Average depth to producing zone, feet	Flowing	Pumping	Total	No. producing wells drilled in 1959	No. active injection wells, 1959	No. injection wells drilled in 1959	Medium of injection	Source of water	Average bbl. water injected per day	Qualitative secondary oil recovery per acre, bbl.	Production attributable to secondary recovery, 1959, bbl.	Se.																
ALLEN COUNTY																																						
1	Bronson-Kenia	Ray Bore, Jr.	Southeastern Co.	4-25-21E	-	1956	110	"Bartlesville"	15	750	-	-	-	-	-	-	Salt water	Arbuckle	-	-	-	1																
2	do	Maek C. Colt	K-S Project	22,27,28,35-24-21E	No	1951	220	do	-	-	-	-	-	-	-	-	do	do	-	-	-	2																
3	do	Jackson	Dawson	15-24-21E	-	1959	-	do	-	700	-	-	-	-	-	-	-	-	-	-	-	3																
4	Bronson-Kenia	Stainer Drilling Co.	Stainer Waterflood	10,15-24-21E	-	1959	-	do	-	700	-	-	-	-	-	-	-	-	-	-	-	4																
5	Elmore-Shoestring	George Morris	Elmore-Shoestring	10,15-25-21E	-	1941	-	do	-	850	-	-	-	-	-	-	-	-	-	-	-	5																
6	do	Sohmermorch Oil	Tract and Gray	16-26-21E	-	1944	-	do	-	700	-	-	-	-	-	-	-	-	-	-	-	6																
7	Elmore West	Kear Pipeline Co., Inc.	Young and Newby	32-25-21E	-	1950	-	do	-	750	-	-	-	-	-	-	-	-	-	-	-	7																
8	Humboldt-Chamite	Aylward	Humboldt Waterflood	20,29,30-26-18E	-	1952	-	do	-	-	-	-	-	-	-	-	-	-	-	-	-	8																
9	do	do	do	24-18E	-	-	-	do	-	-	-	-	-	-	-	-	-	-	-	-	-	9																
10	do	Aylward and Willis	Humboldt Unit	4,8,9-26-18E	-	1951	-	do	-	-	-	-	-	-	-	-	-	-	-	-	-	10																
11	do	Big Chief	Humboldt-Chamite Waterflood	15,16,21,25-26-18E	-	1952	-	do	-	-	-	-	-	-	-	-	-	-	-	-	-	11																
12	do	Creek Oil and Gas	Herricks	23-26-18E	-	-	-	do	-	-	-	-	-	-	-	-	-	-	-	-	-	12																
13	do	Facilier	Callahan-Wataker	19-26-18E	-	-	-	do	-	-	-	-	-	-	-	-	-	-	-	-	-	13																
14	do	Gamble et al	Wolfe-Dawson	24-26-17E	-	1953	-	"Bartlesville"	-	840	-	-	-	-	-	-	-	-	-	-	-	14																
15	do	General American Oil Co. of Texas	Watson	19-26-18E	-	-	-	do	-	-	-	-	-	-	-	-	-	-	-	-	-	15																
16	do	Olley	Diamond-Shelton	16-26-18E	-	1952	-	do	-	860	-	-	-	-	-	-	-	-	-	-	-	16																
17	do	Hanser Oil Co.	Hanser Waterflood	15-26-18E	-	1953	-	do	-	860	-	-	-	-	-	-	-	-	-	-	-	17																
18	do	H-R-S Oil Co.	Knox-Wedlin	18,19-26-20E	-	1953	-	"Bartlesville"	-	700	-	-	-	-	-	-	-	-	-	-	-	18																
19	do	Johnstone	?	11,16,17-26-18E	-	-	-	do	-	-	-	-	-	-	-	-	-	-	-	-	-	19																
20	do	Jones and Campbell	Hendricks-Hopker Lease	11,14-26-18E	Coop.	1959	60	"Bartlesville"	10-12	755	0	13	13	2	4	2	Salt water	"Oswego"	30	-	9	20																
21	do	do	McCormick Lease	16-26-18E	Coop.	1959	40	do	-	10-12	850	0	5	2	2	1	do	Return water	35	-	9	21																
22	do	Oilfield Management	Campbell	29-26-20E	-	1958	-	do	-	-	-	-	-	-	-	-	-	-	-	-	-	22																
23	do	Sinclair Oil and Gas	Iola Air and Gas Repressure Project	21,22,28-25-18E	-	1955	-	"Bartlesville"	-	820	-	-	-	-	-	-	-	-	-	-	-	23																
24	do	Werner Petroleum Co.	Humboldt Waterflood	13,14,23,24-26-18E	-	1942	426	do	-	-	-	-	-	-	-	-	-	-	-	-	-	24																
25	do	C. A. Willis	Hopker	25-26-18E	-	1953	80	do	-	-	-	-	-	-	-	-	-	-	-	-	-	25																
26	do	C. A. and Roy Willis	Krouse Water	56-26-18E	-	1957	-	do	-	850	-	-	-	-	-	-	-	-	-	-	-	26																
27	do	Yount	Yount	25-26-18E	-	1957	-	do	-	800	-	-	-	-	-	-	-	-	-	-	-	27																
28	Iola	J. A. Aylward	Monfort Block	10,15,22-24-18E	-	1956	-	do	-	890	-	-	-	-	-	-	-	-	-	-	-	28																
29	do	Joey Drilling	Iola Waterflood	14,15-25-19E	-	1959	-	do	-	885	-	-	-	-	-	-	-	-	-	-	-	29																
30	do	Sorville	Bartlesville Sand	15-24-21E	-	1957	-	do	-	860	-	-	-	-	-	-	-	-	-	-	-	30																
31	do	Star Producers, Inc.	Lorance Farm	21-24-19E	Unit.	1959	180	"Squirrel"	16	700	-	15	15	2	1	0	Fresh water	River gravel	35	-	0	31																
32	Moran	A. P. Brigham, Jr.	B-S-L Oil Producers	54,55-24-20E	No	1958	17	"Bartlesville"	17	850	-	28	28	0	3	1	Miss. water	Mississippi	30	680	4,520	32																
										Estimated additional producing wells													135		1,180		154		Estimated additional secondary recovery production		745,600		788,683					
ALLEN AND ANDERSON COUNTIES																																						
33	Colony West and Iola	Maek C. Colt	Colony Unit	5,9,15,16,21,22-24-25-18E	-	1955	-	"Squirrel"	-	900	-	-	-	-	-	-	-	-	-	-	-	33																
ALLEN AND BURBON COUNTIES																																						
34	Bronson-Kenia	Davis and Crowder	Jones-Bartlett Waterflood	26,34-24-21E	-	-	-	"Bartlesville"	-	695	-	-	-	-	-	-	-	-	-	-	-	34																
35	do	Davis Supply	Bucks-Clemmings	26,34-24-21E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35																
36	Davis-Bronson	Maek Colt	Mc-T Waterflood	5,10,14,15,24-21E	-	1957	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36																
37	do	I. J. Hewlin	Davis-Stewart	N/2 SE of 22-23-18E; N/2 of 23; N/2 of NW of 26-25-21E	-	1959	50	"Bartlesville"	15	650	0	20	20	2	13	0	-	-	-	30	-	*	37															
										Estimated additional producing wells													80		0		20		142		13		0					
ALLEN AND NEOSHO COUNTIES																																						
38	Humboldt-Chamite	Deerfield	Young-Davis	56-26-18E; 1-27-18E; 31-26-18E	-	1947	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38																
39	do	Kear Drilling	K-F Group	32,35-26-18E	-	1956	-	"Bartlesville"	-	750	-	-	-	-	-	-	-	-	-	-	-	39																
40	do	Willis	Seefeldt	3-27-18E; 54-26-18E	-	1955	-	do	-	760	-	-	-	-	-	-	-	-	-	-	-	40																
ANDERSON COUNTY																																						
41	Bush City Shoestring	General American Oil Co. of Texas	Reed, C and L	12,13,14-21-20E; 4,5,7,8,10-21-21E	No	1959	986	"Squirrel"	30	620	598	16	414	0	378	0	Salt water	Arbuckle	21	2,678	112,717	41																
42	do	Keweenaw Oil Co.	Dengo Flood	27,28,32,33-20-21E; 4-21-21E	No	1945	346	"Squirrel"	20	650	122	32	164	0	129	0	do	do	5	5,012	47,258	42																
43	do	Maracabo Oil Corp.	Starit	8,9,16,17-21-20E	No	1950	80	do	11	700	-	-	-	-	-	-	do	Purchased	-	-	35,770	43																
44	do	Salmon Oil	Bush City Shoestring	7,8,15,16,18-21-20E; 15,14-21-19E	-	-	-	do	-	800	-	-	-	-	-	-	-	-	-	-	-	44																
45	Centerville*	Sohmermorch Oil Corp.	Centerville	4,10,15,22-21-21E	Unit.	1947	545	"Bartlesville"	20	725	-	-	31	0	15	0	Salt water	Mississippi	35.9	1,650	6,918	45																
46	Colony Wells	Broschusen	Summers Waterflood	34-21-18E	-	1958	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46																
47	do	W. S. Peas	Stauffer, North Hyde Unit No. 1	22-22-19E	-	1947	-	"Squirrel"	-	800	-	-	-	-	-	-	-	-	-	-	-	47																
48	do	do	do	21,22,27,28,35-22-19E	Unit.	1948	353	do	15	800	0	87	87	0	36	0	Salt water	Mississippi	28	1,030	37,510	48																
49	do	do	Unit No. 2	28,29,32,33-22-19E	Unit.	1955	58	do	13	800	0	14	14	0	15	0	do	do	33	1,676	20,346	49																
50	do	do	Unit No. 3	2,5-22-19E	Unit.	1957	219	do	18	825	0	21	21	1	23	0	do	do	28	33	5,154	50																
51	do	R. L. Horn	Wells	9-22-19E	-	1958	-	do	-	805	-	-	-	-	-	-	-	-	-	-	-	51																
52	do	J. M. Peery	No. 1	27-21-19E	Uncer-tain	1958	40	do	-	-	-	-	-	-	-	-	Salt water	"Oswego"	-	-	-	52																
53	Garnett Shoestring	Home State Prod. Co.	Garnett Ext.	3-4-21-19E	-	1959	-	do	-	700	-	-	-	-	-	-	-	-	-	-	-	53																
54	do	do	Garnett Shoestring	2-21-19E	-	1958	-	do	-	750	-	-	-	-	-	-	-	-	-	-	-	54																
55	do	do	Squirrel Sand Lease No. 1	2,11-20-20E	-	1957	-	do	-	676	-	-	-	-	-	-	-	-	-	-	-	55																
56	do	do	Lease No. 1	16-20-20E	-	1957	-	do	-	640	-	-	-	-	-	-	-	-	-	-	-	56																
57	Kinsaid	W. C. Perham	Bloom	9-23-21E	-	1959	80	"Bartlesville"	40	750	0	16	16	0	1	1	Salt water	Mississippi	50	-	67	57																
58	do	Texas Consolidated	Texas Consolidated	4,6-23-21E	-	1945	-	do	-	750	-	-	-	-	-	-	-	-	-	-	-	58																
59	Seima	Maek Colt	Seima Waterflood	29,32-22-21E	-	1942	-	do	-	750	-	-	-	-	-	-	-	-	-	-	-	59																
										Estimated additional producing wells													2,007		220		186		1,442		597		Estimated additional secondary recovery production		160,800		425,438	
BARBER COUNTY																																						
60	Highway	Beardmore Drilling Co.	Stewart	14,15-32-11W	No	1959	60	Douglas	10	5,590	0	2	2	0	1	0	Salt and fresh water	From producing formation 165 and shallow well	-	-	-	60																
BARTON COUNTY																																						
61	Barrett	National Cooperative Refining Association	Flaming-Kansas City Flood	56-16-14W	No	1959	40	Kansas City	22	5,218	0	3	3	0	1	0	Salt water	Arbuckle-Kansas City	253	15	611	61																
62	Beaver	Sumway-Mid-Continent	Kiltgen	9,16-16-12W	No	1958	40	Gorham	12	3,340	0	3	3	0	1	0	Salt water	Produced from Gorham sand and shallow sand water supply well	136	*	*	62																
63	Cheyenne View	Keweenaw Oil Co.	Cheyenne-Wing Flood	14,15-19-12W	No	1954	90	Kansas City	8	5,100	0	8	8	0	4	0	Fresh water	Shallow sand	150	1,059	20,505	63																
64	do	Monasato Chemical Co.	Cheyenne View Flood	12-19-12W	Individual	1958	90	Kansas City	12	5,100	0	5	5	0	2	0	Fresh and salt water	Produced from Reagan and produced Arbuckle and produced Arbuckle sand	180	280	25,358	64																
65	Fort Larah	Texasco, Inc.	H. Koch Project	28,19-12W	-	1959	20	Lansing	-	5,325	0	1	1	0	1	0	Salt water	Produced from Reagan and produced Arbuckle and produced Dakota sand	176	-	-	65																
66	Great Bend Airport	Hawthorn and Payne, Inc.	Russell "A" and "B"	26,15-19-14W	No	1957	200	Kansas City	200	5,539	0	4	4	0	3	0	Fresh water	Water supply well	220	60	7,600	66																
67	do	Petroleum Management, Inc.	Grayhol Oil Corp.	26-19-14W	No	1957	90	Kansas City	11	5,520	0	3	3	0	1	0	Salt water	Produced from Reagan	239	0	50,585	67																
68	Hiss	Grayhol Oil Corp.	Murphy	29-20-13W	No	1958	60	Lansing	14	5,650	0	3	3	0	1	0	Fresh and return water	Sand 80' deep	300	259	8,990	68																
69	Hiss East	Phillips Petroleum Co.	Hiss Lease	33-20-13W	Single Lease	1958	10	Lans.-K.C.	9	5,450	0	1	1	0	1	0	Salt water	Shallow fresh-produced	350	865	8,094	69																
70	Kraft-Pruss	National Cooperative Refining Association	Dolechek-Gorham sand flood	24-16-12W	No	1958	120	Gorham	9	3,564	0	10	10	0	1	0	do	Gorham sand, Arbuckle	659	22	2,665	70																
71	do	do	Krier-Kansas City Flood	18-16-11W	No	1959	20	Kansas City	14	5,108	0	0	0	0	1	0	do	Kansas City, Arbuckle	891	Project abandoned Oct. 1959	71	71																
72	Otis-Albert	do	Medell-Bogdan sand flood	5,8-16-13W	No	1958	110	Reagan	17	5,839	0	7	7	0	1	0	do	Reagan	961																			

No.	Field	Operator	Project	Location	Cooperative or unitized	Year started	Total developed acres	Producing formation	Thickness of producing zone, feet	Average depth to producing zone, feet	Flowing	Pumping	Total	No. producing wells drilled in 1959	No. active injection wells, 1959	No. injection wells drilled in 1959	Medium of injection	Source of water	Average bbl. water injected per well per day	Qualitative estimate of recovery per acre, bbl.	Production to recovery in 1959, bbl.	No.
CHASE COUNTY																						
166	Teeter	Glenwood and Shelly	Leedy Waterflood	26-22-08	-	1953	-	"Bartlesville"	-	2,600	-	-	-	-	-	-	-	-	-	-	-	166
166	do	Sumray Oil Corp.	Leedy	26-22-09	-	1958	-	"Bartlesville"	-	2,850	-	-	-	-	-	-	-	-	-	-	-	166
																			Estimated additional secondary recovery production			
																			24,700			
CHAUTAUQUE COUNTY																						
187	Borrow	Patterson	Borrow Waterflood	20-34-02	-	1959	-	"Oswego"	-	1,770	-	-	-	-	-	-	-	-	-	-	-	187
188	Sigma	Goering	Dillinger	32,35-54-10E	-	1959	-	"Peru"	-	1,546	-	-	-	-	-	-	-	-	-	-	-	188
189	do	Goering-Hedrick	Williams-Sweeney	16-35-10E	-	1957	-	"Peru"	-	1,270	-	-	-	-	-	-	-	-	-	-	-	189
170	do	Grayhol Oil Corp.	Winchall	15,14-35-02	No	1959	40	"Waysside"	16	1,559	0	8	8	0	1	0	Salt water	"Waysside"	90	0	0	170
171	do	James Bros.	Cookins	9-35-10E	-	1958	-	"Peru"	-	1,625	-	-	-	-	-	-	-	-	-	-	-	171
172	do	do	Dewitt	34-34-10E	-	1958	-	"Peru"	-	1,400	-	-	-	-	-	-	-	-	-	-	-	172
173	do	do	Layton	32-34-10E	-	1958	-	"Peru"	-	1,550	-	-	-	-	-	-	-	-	-	-	-	173
174	Hale-Inge	Sewell and Hutton	"Waysside" sand Project	8-32-12E	-	1957	-	"Waysside"	-	850	-	-	-	-	-	-	-	-	-	-	-	174
175	Lanston	David	Colorado Oil and Gas	20-35-10E	-	1959	80	"Peru"	-	1,490	-	-	-	-	-	-	-	-	-	-	-	175
176	do	Marshall Exploration	Lower Flood Unit	20,21,29-	-	1955	-	"Peru"	-	1,500	-	-	-	-	-	-	-	-	-	-	-	176
177	do	Mendenhall Drilling	Lanston	17,18,20,21-35-10E	-	1956	-	"Peru"	-	1,530	-	-	-	-	-	-	-	-	-	-	-	177
178	do	Staats	Staats-Chautauque Unit	21,22,27,28-35-10E	-	1958	-	"Bartlesville"	-	1,500	-	-	-	-	-	-	-	-	-	-	-	178
179	Niotase	Gutcher	Severns	36-34-12E	-	1958	-	"Peru"	-	960	-	-	-	-	-	-	-	-	-	-	-	179
180	do	King Oil Co.	Alpine Oil and Gas Corp.	31-34-12E	No	1957	80	"Peru"	-	-	-	-	-	-	-	-	-	-	-	-	-	180
181	Peru-Sedan	Alpine Oil and Gas Corp.	Alpine Fee	22-34-12E	No	1953	10	"Peru"	-	-	-	-	-	-	-	-	-	-	-	-	-	181
182	do	Appleby and Young	Johnson-Huff	17,18-35-12E	-	1956	-	"Peru"	-	1,035	-	-	-	-	-	-	-	-	-	-	-	182
183	do	Brickman Oil and Gas	Sedan Waterflood	6-34-12E	-	1954	-	"Peru"	-	1,100	-	-	-	-	-	-	-	-	-	-	-	183
184	do	Brickman and Ridgen	Peru Waterflood	30,31-33-12E	-	1956	-	"Peru"	-	1,200	-	-	-	-	-	-	-	-	-	-	-	184
185	do	Bryan	"Peru"	20-34-12E	-	1957	-	"Peru"	-	980	-	-	-	-	-	-	-	-	-	-	-	185
186	do	Russmann	Bridge	14-35-10E	-	1957	-	"Peru"	-	-	-	-	-	-	-	-	-	-	-	-	-	186
187	do	Bryman	Bunter-McCunningham	24,25-33-11E	-	1958	-	"Peru"	-	1,115	-	-	-	-	-	-	-	-	-	-	-	187
188	do	Ralph Bryman	White	22-34-11E	No	1952	10	"Peru"	-	-	-	-	-	-	-	-	-	-	-	-	-	188
189	do	Forest Oil Corp.	Poullus Waterflood	6-35-12E	-	-	-	"Peru"	-	-	-	-	-	-	-	-	-	-	-	-	-	189
190	do	Goelzen	Hayden	29-32-12E	-	1959	-	"Peru"	-	940	-	-	-	-	-	-	-	-	-	-	-	190
191	do	Gibbons	"Peru" Waterflood	22-34-12E	-	1954	-	"Peru"	-	1,100	-	-	-	-	-	-	-	-	-	-	-	191
192	do	Goering-Hedrick	Alford	4,5-34-12E	-	1958	-	"Peru"	-	1,050	-	-	-	-	-	-	-	-	-	-	-	192
193	do	do	Morris-McLaughlin-Osman	3,4-35-12E	-	1958	-	"Peru"	-	775	-	-	-	-	-	-	-	-	-	-	-	193
194	do	do	"Peru"	20-32-12E	-	1956	-	"Peru"	-	930	-	-	-	-	-	-	-	-	-	-	-	194
195	do	Sedan	19-35-12E	-	1956	-	-	"Peru"	-	975	-	-	-	-	-	-	-	-	-	-	-	195
196	do	Turner	5-35-12E	-	1958	-	-	"Peru"	-	860	-	-	-	-	-	-	-	-	-	-	-	196
197	do	James Bros.	Austin	7-34-12E	-	1956	-	"Peru"	-	950	-	-	-	-	-	-	-	-	-	-	-	197
198	do	do	Big Turner	3-35-12E	-	1958	-	"Peru"	-	975	-	-	-	-	-	-	-	-	-	-	-	198
199	do	do	Chance-Blount	34-34-12E	-	1958	-	"Peru"	-	1,015	-	-	-	-	-	-	-	-	-	-	-	199
200	do	do	Smith-Blues	12-35-11E	-	1958	-	"Peru"	-	1,040	-	-	-	-	-	-	-	-	-	-	-	200
201	do	Nelson and Scott	Peister	16-34-12E	-	1955	-	"Peru"	-	790	-	-	-	-	-	-	-	-	-	-	-	201
202	do	Farrell	Bever-Hunt	4-35-12E	-	1954	-	"Peru"	-	990	-	-	-	-	-	-	-	-	-	-	-	202
203	do	Reed	Bluffman	26-34-11E	-	1957	-	"Peru"	-	900	-	-	-	-	-	-	-	-	-	-	-	203
204	do	Shannon	"Peru" sand	8-34-12E	-	1957	-	"Peru"	-	900	-	-	-	-	-	-	-	-	-	-	-	204
205	do	Sinclair Oil and Gas	Peru-Sedan Waterflood	16,22,27,28,29,32,33-35-11E	-	-	-	"Peru"	-	-	-	-	-	-	-	-	-	-	-	-	-	205
206	do	Winona Oil Co. of Del.	N. W. Wall	29,32-35-11E	Coop.	1957	200	"Peru"	20	1,200	0	18	18	0	2	0	Salt water	"Layton"	120	-	12,000	206
																			Estimated additional secondary recovery production			
																			649,700			
																			681,700			
CLARK COUNTY																						
207	Harper Ranch	The Pure Oil Co.	Harper Ranch Field Waterflood	2,11-54-21W	Unit.	1959	563	Morrowan	5.3	5,448	0	8	8	0	2	0	Fresh water	Red beds 100 Ft. deep	323	5	*	207
COFFEY COUNTY																						
208	Neosho Falls-Lercy	Ray	Burdine	12-25-16E	-	1955	-	"Squirrel"	-	970	-	-	-	-	-	-	-	-	-	-	-	208
209	Virgil North	French	Olinger	14-25-15E	-	1957	-	"Mississippian"	-	1,820	-	-	-	-	-	-	-	-	-	-	-	209
COFFEY AND WOODSON																						
210	Neosho Falls-Lercy	Sunco Oil Co.	Neosho Falls Waterflood	15,24-25-16E	No	1952	113	"Squirrel"	23	950	0	28	28	0	18	5	Salt water	Kansas City Line	82	1,769	*	210
COWLEY COUNTY																						
211	Biddle	Morrison Producing Co.	"Layton"	6-32-5E	-	1957	-	"Layton"	-	2,285	-	-	-	-	-	-	-	-	-	-	-	211
212	do	Stewart Oil Co.	N. W. Biddle	1-32-4E	-	1959	-	"Cattleman sand"	-	2,910	-	-	-	-	-	-	-	-	-	-	-	212
213	do	Sutton	Morris	1-32-4E	-	1957	-	"Peru"	-	2,890	-	-	-	-	-	-	-	-	-	-	-	213
214	Brace	Stelbar Oil Corp.	Davis	9-30-4E	-	1952	-	"Peru"	-	-	-	-	-	-	-	-	-	-	-	-	-	214
215	Burden	Texaco, Inc.	East Burden Unit	32,33-31-6E	Unit.	1959	280	"Layton"	17.5	2,250	0	22	22	0	6	0	Salt water	Produced	47	-	0	215
216	Canfield	Aylward Drilling	Kansas City Water	15-34-12E	-	1956	-	"Layton"	-	2,815	-	-	-	-	-	-	-	-	-	-	-	216
217	Couch	Cooperative Refinery Assoc.	West Couch Unit	11,12,13-14-30-5E	Unit.	1956	200	"Bartlesville"	17	2,850	-	11	11	0	10	0	Salt water	"Stalnaker"	197	75	14,997	217
218	do	Francis Central Oil Co.	Brown-Holt	1-30-5E	Coop.	1957	320	"Peru"	9	2,800	0	10	10	0	6	0	do	"do"	80	-	7,654	218
219	do	Stelbar Oil Corp.	Couch Unit	12,13-30-5E	Unit.	1955	520	"Peru"	-	-	-	-	-	-	-	-	do	"do"	-	-	-	219
220	David	Colorado Oil and Gas Corp.	Colorado Oil and Gas	2-31-4E	Coop.	1956	150	"Peru"	16	2,800	0	4	4	0	3	1	do	"do"	267	0	0	220
221	do	Texaco, Inc.	R. A. Watt Project	10-31-4E	Coop.	1959	150	"Peru"	14.9	2,940	0	7	7	0	8	0	do	"do"	50	-	0	221
222	do	Jas. E. Lewis Engr., Inc.	David Field	1,2,3,10,11,12-14,15-31-4E	Coop.	1959	1,250	"Peru"	18	3,000	0	56	56	2	54	4	Salt water and produced water	"Stalnaker" and "Bartlesville"	40	7	8,577	222
223	Deichman	Anderson-Prichard Oil Corp.	Deichman	29,																		

By Goebel, E.D., Hilpman, P.L., Beene, D.L. and Noever, R.J.

Oil and Gas Investigations No. 20

(Includes Greenwood thru Woodson Counties)

[illegible]

No.	Field	Operator	Project	Location	Cooperative or unitized	Year started	Total developed acres	Producing formation	Thickness of producing zone, feet	Average depth to producing zone, feet	Flowing	Pumping	Total	No. producing in 1969	No. active wells, 1969	No. injection wells, 1969	Medium of injection	Source of water	Average bbl. water injected per acre per day	Cumulative secondary recovery per acre, %	Production attributable to secondary recovery in 1969, bbl.	No.	
NEOSHO COUNTY																							
477	Erie	Earl Seeler	Barnhart, Ermy and Faust	54,35-28-208	Unit.	1953	40	"Bartlesville"	-	-	-	-	-	-	-	-	-	City water and Mississippian	-	-	-	477	
478	do	do	Hudson	21-28-208	-	1969	-	do	-	500	-	-	-	-	-	-	-	-	-	-	-	478	
479	do	Eden Oil	Edwards and Purvance	15-28-198	-	1949	-	do	-	625	-	-	-	-	-	-	-	-	-	-	-	479	
480	do	J. O. Purvance	Erie Golf Course	20-28-208	Unit.	1949	4	do	-	830	*	*	-	*	*	*	*	*	*	*	*	480	
481	do	do	Richard Park	19-28-208	Unit.	1949	10	do	-	830	*	*	-	*	*	*	*	*	*	*	*	481	
482	Humboldt-Chamute	Aylward	MFA-Chamute	29,29,32, 33,34-27-198	-	1938	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	482	
483	do	do	Pioneer Corp. Pl. No. 1	20,29-27-198	-	1961	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	483	
484	do	Belle Air Oil Corp.	Odessa Block	7,15-27-198	No	1953	40	"Bartlesville"	-	-	-	-	-	-	-	-	-	Salt water	-	-	-	484	
485	do	do	Weisner	4,9-27-188	-	1949	-	do	-	750	-	-	-	-	-	-	-	-	-	-	-	485	
486	do	Cadco Oil Co., Inc.	W. M. Wells waterflood	14,15-27-198	Coop.	1952	57	do	30	825	0	8	8	0	5	0	0	Salt water	41	357	5,424	486	
487	do	do	do	12-28-198,6	Coop.	1962	107	do	35	750	0	26	26	0	18	0	0	do	78	988	15,611	487	
488	do	Kear Drilg Co., Inc.	Chamute Flood	1,2,10,11,12, 14,15,22,23, 27,28-27-198; 6,7-27-198	No	1938	1,000	do	-	-	-	-	-	-	-	-	-	Salt and fresh water	-	-	-	488	
489	do	do	Chamute Project	3,4,9,10,15- 16-27-198	-	1939	285	do	-	-	-	-	-	-	-	-	-	do	-	-	-	489	
490	do	do	do	do	-	1959	80	do	-	-	-	-	-	-	-	-	-	do	-	-	-	490	
491	do	Fowell Drilg. Co.	Keenan Lease	30-27-198	No	1959	80	do	6	720	1	7	8	0	1	0	-	Formation	5	-	-	491	
492	do	Sage	Pickie	20-28-198	-	1954	-	do	-	800	-	-	-	-	-	-	-	-	-	-	-	492	
493	do	Weygint	Bussman	34-27-198; 3-29-198	-	1959	-	do	-	750	-	-	-	-	-	-	-	-	-	-	-	493	
494	Morhead	Creek Oil and Gas	"Bartlesville"	30-30-198	-	1957	-	do	-	850	-	-	-	-	-	-	-	-	-	-	-	494	
495	St. Paul-Walnut	H. F. Callahan, Jr.	Henry Van Leeuwen	33-28-212	No	1955	80	do	-	-	-	-	-	-	-	-	-	Fresh water	-	-	-	495	
496	do	do	Butler	30-28-212	-	1958	-	do	-	440	-	-	-	-	-	-	-	-	-	-	-	496	
497	do	Erie Oil	Dent	21,28-28-212	No	1953	10	do	-	-	-	-	-	-	-	-	-	-	Fresh water	-	-	-	497
498	Trent	OME	Hazen	23-28-208	-	1959	-	do	-	500	-	-	-	-	-	-	-	-	-	-	-	498	
499	do	Crabtree	"Bartlesville"	22-28-208	-	1957	-	do	-	480	-	-	-	-	-	-	-	-	-	-	-	499	
500	do	Joey	Blaine	23-28-208	-	1959	-	do	-	475	-	-	-	-	-	-	-	-	-	-	-	500	
501	do	do	Forde	18-28-208	-	1959	-	do	-	500	-	-	-	-	-	-	-	-	-	-	-	501	
502	do	R and D Oil Leases	Arthur Blame	24-28-208	Unit.	1958	20	do	16	500	0	7	7	0	1	0	0	Salt water	40	-	400*	502	
503	Urbana	Kear Pipeline	Urbana Unit	28-25-28-198	-	1958	-	do	-	680	-	-	-	-	-	-	-	-	-	-	-	503	
504	do	Lewis S. Taylor	Lewis S. Taylor	26,27-28-198	No	1959	12	do	-	750	0	6	6	2	3	0	0	0	Salt and fresh water "Owago"	25-50	-	6	504
1,745														Estimated additional producing wells		1,061	1,125	32	0	Estimated additional secondary recovery		554,300	371,741
NEES COUNTY																							
504	Aldrich	Cooperative Refinery Assoc.	Aldrich Pool	13,14,23,24- 18-20W	No	1956	360	Mississippian	8	4,430	-	15	15	0	2	0	0	Salt water	Produced Mississippian	511	186	*	504
360														15		15	0	2	0	Produced Mississippian		511	186
PANNON COUNTY																							
505	Beason	Cities Service Oil Co.	Becker "B"	32-23-19W	-	1958	160	Lansing-Kansas City	250	3,700	0	5	5	0	1	0	0	Salt and fresh water	Supply well and Lansing-Kansas City	328	0	0	505
506	Garfield	Clark Knight Drilg. Co.	Hutchinson Estate	3-23-17W	No	1959	160	Pennsylvanian-Mississippian	8	4,150	0	7	7	0	1	0	0	Salt water	Dakota water	100	0	0	506
507	do	Colorado Oil and Gas Corp.	Hutchinson "H"	3-23-17W	Coop.	1959	160	Conglomerate	10	4,175	0	5	5	0	1	0	0	do	Conglomerate	75	0	0	507
480														17		17	0	3	0	Conglomerate		75	0
PHILLIPS COUNTY																							
508	Huffstutter	Petroleum Management	North Huffstutter Unit	16,17,20,21, 22,25,28-1-19W	Unit.	1959	640	Lansing-Kansas City	165	5,350	-	10	10	0	5	-	-	Salt water	Dakota	170	0	0	508
509	Stuttgart	Phillips Petroleum	Stuttgart Unit	15,14,25-5-19W	Unit.	1952	165	do	35	3,200	0	8	8	0	3	0	0	do	do	350	619	17,216	509
306														8		8	0	3	0	do		350	619
PRATT COUNTY																							
510	Chitwood	Monsanto Chemical Co.	Chitwood Unit	14,22,23,26, 27-28-12W	Unit.	1955	1,492	Simpson	26	4,390	0	43	43	0	17	0	0	Salt water	Topeka and produced	655	1,567	868,212	510
511	Cunningham	Skelly Oil Co.	Southwest Cunningham Waterflood	35-27-19W; 2,3-28-11W	100 per cent company owned	1958	320	Lansing	7	3,501	-	8	8	0	1	0	0	Water	Shallow gravel	127	0	0	511
512	Frisbie	Texaco, Inc.	F. Smith Project	6-26-19W	-	1958	120	do	-	3,910	0	5	5	0	1	0	0	Salt water	Produced	71	-	6,122	512
513	Luka-Carmi	Cooperative Refinery Assoc.	Hosman	36-25-19W; 31-26-12W; 6-27-12W	-	1958	440	Simpson	33	4,230	0	17	17	0	1	0	0	Fresh water	Supply well	558	3.14	1,379	513
514	do	do	Justice	10-27-12W	-	1958	80	do	-	3,910	0	5	5	0	1	0	0	do	do	132	4.46	357	514
515	Moore Southwest	Champion Oil and Refg. Co.	Southwest Moore Unit	10,11,14,15- 26-14W	Unit.	1957	714	"Kinderhook"	6.3	4,244	0	3	3	0	1	0	0	Salt water	Simpson water	23.2	21.4	6,935	515
2,735														3		3	0	1	0	Simpson water		23.2	21.4
RENO COUNTY																							
516	Abbyville	Skelly Oil Co.	Abbyville Waterflood	24-24-6W	100 per cent company owned	1948	200	Lansing	15	3,625	0	4	4	0	2	0	0	Salt water	Douglas	351	725	16,396	516
517	Burton	John E. Merritt	C. D. Hoskinson Lease	9-24-4W	-	1960	-	Mississippian "Chat"	40	3,200	-	-	-	-	-	-	-	-	-	-	-	517	
518	Nicklaus	Phillips Petroleum	Prugh Lease	3-26-4W	Single	1956	10	Lansing-Kansas City	10	3,500	0	3	3	0	1	0	0	Salt water	Produced	120	-	0	518
519	Leath-Peace Creek	Cities Service Oil Co.	Peace Creek Viola Unit Waterflood	30,31-22-20W; 35,36-22-10W; 6-23-0W,1,2, 11,15-23-11W	Unit.	1955	2,120	Viola	7	3,750	-	-	-	1	8	0	0	Salt and fresh water	Supply wells and Viola	1,087	252	251,163	519
2,830														3		3	0	1	0	Supply wells and Viola		1,087	252
RICE COUNTY																							
520	Chase-Silica	Skelly Oil Co.	Bernstorff Waterflood	22,23-19-10W	100 per cent company owned	1958	200	Lansing	12	3,140	0	10	10	0	2	0	0	Salt water	Arbuckle	343	498	72,961	520
521	Odessa	The Atlantic Refining Co.	Odessa Field Unit	28,29,32,33- 18-0W,14-19- 6W	Unit.	1959	760	Marmaton	6	3,100	0	11	11	0	2	0	0	do	Lansing-Kansas City	199.1	29.7	22,603	521
522	Orth	Skelly Oil Co.	Volklund "A" Salt water repressure project	27-18-10W	100 per cent company owned	1954	50	Topeka	16	2,670	0	3	3	0	1	0	0	do	Quartzite and Topeka	235	768	12,441	522
523	Welch-Bornholdt	Plains Exploration Co.	Alexander	4-21-0W	No	1958	80	Mississippian "Chat"	-	3,400	0	4	4	0	1	0	0	do	Mississippian "Chat"	106	-	*	523
524	do	do	Libby	34-20-0W	No	1958	280	do	-	3,400	0	13	13	1	1	0	0	do	do	208	-	*	524
1,370														41		41	1	7	0	do		208	-
ROCKS COUNTY																							
525	Laton	Cooperative Refinery Assoc.	Gamble	3-9-19W	No	1959	200	Lansing-Kansas City	25	3,150	-	5	5	0	1	1	1	Fresh water	Water supply well-Dakota	435	31.4	6,287	525
526	Marquette	Sohio Petroleum Co.	Dick Lease	7-10-19W	No	1958	20	Arbuckle	3	3,775	0	6	6	0	1	0	0	Salt water	Arbuckle	275	0	0	526
527	do	Texaco, Inc.	H. Berland Project	15,50-10-19W	-	1958	270	do	-	3,775	0	12	12	0	3	0	0	do	Produced	307	-	0	527
490														23		23	0	5	1	Produced		307	-
RUSSELL COUNTY																							
528	Fairport	Pan American	F. Booth "A																				