

NEW MEXICO

BUREAU OF MINES AND MINERAL RESOURCES

A Department of the School of Mines

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Director

NEW MEXICO OIL CONSERVATION COMMISSION

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Circular 16

NEW MEXICO OIL AND GAS PRODUCTION DATA

FOR 1946 (EXCLUSIVE OF LEA COUNTY)

Compiled by

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Socorro

1947

GENERAL STATEMENT

The 1946 production report includes oil and gas production and engineering data for all pools in the State with the exception of Lea County. The Lea County pool data are compiled by the Lea County Operators Committee, under the direction of Mr. Glenn Staley.

The compilation of these figures is done as a service to the oil and gas industries of New Mexico.

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New Mexico Bureau of Mines and Mineral Resources

Artesia,
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The report was ably typed and prepared for publication by Illene L. Watson, under the direction of the authors.

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NEW MEXICO OIL PRODUCTION SUMMARY

<u>COUNTY</u>	<u>1943</u>	<u>1944</u>	<u>1945</u>	<u>1946</u>	<u>CUMULATIVE PRODUCTION to 1-1-47</u>	<u>PERCENT OF CUMULATIVE PRODUCTION</u>
CHAVES	2,500			90	15,167	
EDDY	5,300,399	5,293,292	5,137,137	4,925,010	47,347,935	9.6
LEA	33,054,300	33,514,620	31,437,118	31,370,972	437,511,237	86.4
McKINLEY	297,522	323,292	292,729	250,440	1,864,705	.4
SAN JUAN	<u>135,707</u>	<u>137,792</u>	<u>149,129</u>	<u>168,011</u>	<u>8,113,678</u>	<u>1.6</u>
STATE TOTAL	38,790,428	39,268,996	37,016,113	36,714,473	494,582,722	100

CHAVES COUNTY

BITTER LAKE POOL

LOCATION: T. 10 S., R. 25 E., All sec. 13, E 1/2 sec. 14, NE 1/4 sec. 23, N 1/2 sec. 24.

DISCOVERY DATE: December 13, 1946.

DISCOVERY WELL: DeKalb Agric. Assoc., No. 1, Nellie Lewis, SE NW sec. 13-10-25. T.D. 5650'. PB 1275'. Initial Production Pumping 6.6 BO & .9 BW per day. Top San Andres 700, Top Glorieta 1750', Top Yeso 2100', Top Abo 4096', Top Pennsylvanian 4880', Top Granite 5649'. Elevation 3721.

GRAVITY OF OIL: 25°.

AVERAGE THICKNESS OF PAY ZONE: 25'.

PRODUCING FORMATION: San Andres.

AVERAGE PRODUCING DEPTH: 1230'.

DEEPEST TEST: See Discovery Well.

OIL WELLS, as of 1-1-47:

Flowing	0
Pumping	1
Gas lift	0
Shut in	0

GAS WELLS: 0

ABANDONED WELLS: 0

TOTAL WELLS DRILLED: 1

OIL PRODUCTION: 1946

No. of producing wells 1

Yearly production 90

Cumulative production to 1-1-47: 90 bbls.

GAS PRODUCTION: No figures available.

WATER PRODUCTION: Approximately 20 bbls.

AREA OF PROVEN PRODUCTION: 40 acres.

COMANCHE POOL

LOCATION: T. 11, S., R. 26 E, N 1/2 sec. 15.

DISCOVERY DATE: August 1936.

DISCOVERY WELL: Comanche Drlg. Co., No. 2, Sloop & Purcell,
NE 1/4 NE 1/4 sec. 15-11, S. 26 E, T.D. 1283'
Initial Production Pumping 7 bbls. oil per day.

GRAVITY OF OIL: 28.5°.

AVERAGE THICKNESS OF PAY ZONE: Approximately 10'.

PRODUCING FORMATION: San Andres.

AVERAGE PRODUCING DEPTH: 1260'.

DEEPEST TEST: See Richfield Oil Corp. No. 1, Coll, for deepest
test in area.

OIL WELLS, as of 1-1-47:

Flowing 0

Pumping 0

Gas lift 0

Shut in 0

GAS WELLS: 0

ABANDONED WELLS: 5

TOTAL WELLS DRILLED: 5

NOTE: This field has been abandoned. Total Production 15,077 bbls.

SUBSURFACE COMPLETION DATA ON WILDCATS

COMPANY LEASE	W E L	U N I T	S-T-R	COMP. DATE	ELEV.	T.D.	REMARKS
<u>CHAVES COUNTY</u>							
DEKALB AGRIC. ASSOC. N. C. Lewis	1	N	13-10-25	12-13-46	3721	5650	Top San Andres 700, Top Glorieta 1750, Top Yeso 2100, Top Abo 4096, Top Pennsylvanian 4880, Top Granite 5649; Plug back to 1275 and completed in San Andres, Top Pay 1247, I.P. Pump 6.66 BO and .9 BW per day through 2" tbg. @ 1274.
White	2	G	30-10-28	2-10-46	3740	3505	Top Queen 1162, Top San Andres 1638, Top Glorieta 2775. Show salt water 2775-89. Show oil 2178. Temporarily abandoned.
MAGNOLIA PET. CO. Black Hills	1	B	31-17-20	11-7-46	4902	6085	Top Glorieta 830, Top Yeso 860, Top Abo 2970, Top Pennsylvanian 4380, Top Mississippian 4895, Top Devonian 5145, Top Silurian 5170, Top Ellenberger 5520, Top Quartzite 6080. No shows. Plugged and abandoned.
<u>COLFAX COUNTY</u>							
RICHFIELD OIL CORP. L. Coll	1	J	18-11-27	1-16-46	3673	6630	Top Glorieta 2265, Top Abo 4550, Top Pennsylvanian 5500, Top Devonian 6240, Top Dacite 6618. Shows of oil and gas 6100-6300.
<u>CURRY COUNTY</u>							
AMERICAN MFG. CO. W. S. Ranch	1		1-26-20	5-23-46		3813	In pre-Cambrian at total depth. Top Granite Wash 3806, Top Granite 3815.
<u>DEBACA COUNTY</u>							
HUMBLE OIL & REFINING CO. Northcutt	1	N	32-8N-37E	10-17-46		7502	Top Granite Wash 6648. No shows of oil or gas. Plugged and abandoned.
<u>DEBACA COUNTY</u>							
PURE OIL CO. Pure	1	B	31-3N-28E	9-17-46	4135	6469	Top San Andres 1150, Top Glorieta 2110, Top Yeso 2180, Top Abo 4000, Top Pennsylvanian 5165, Top Granite 6452. Show of gas 6260. Plugged and abandoned.

EDDY COUNTY PRODUCTION BY POOLS, 1946 (Pipe-Line Runs)

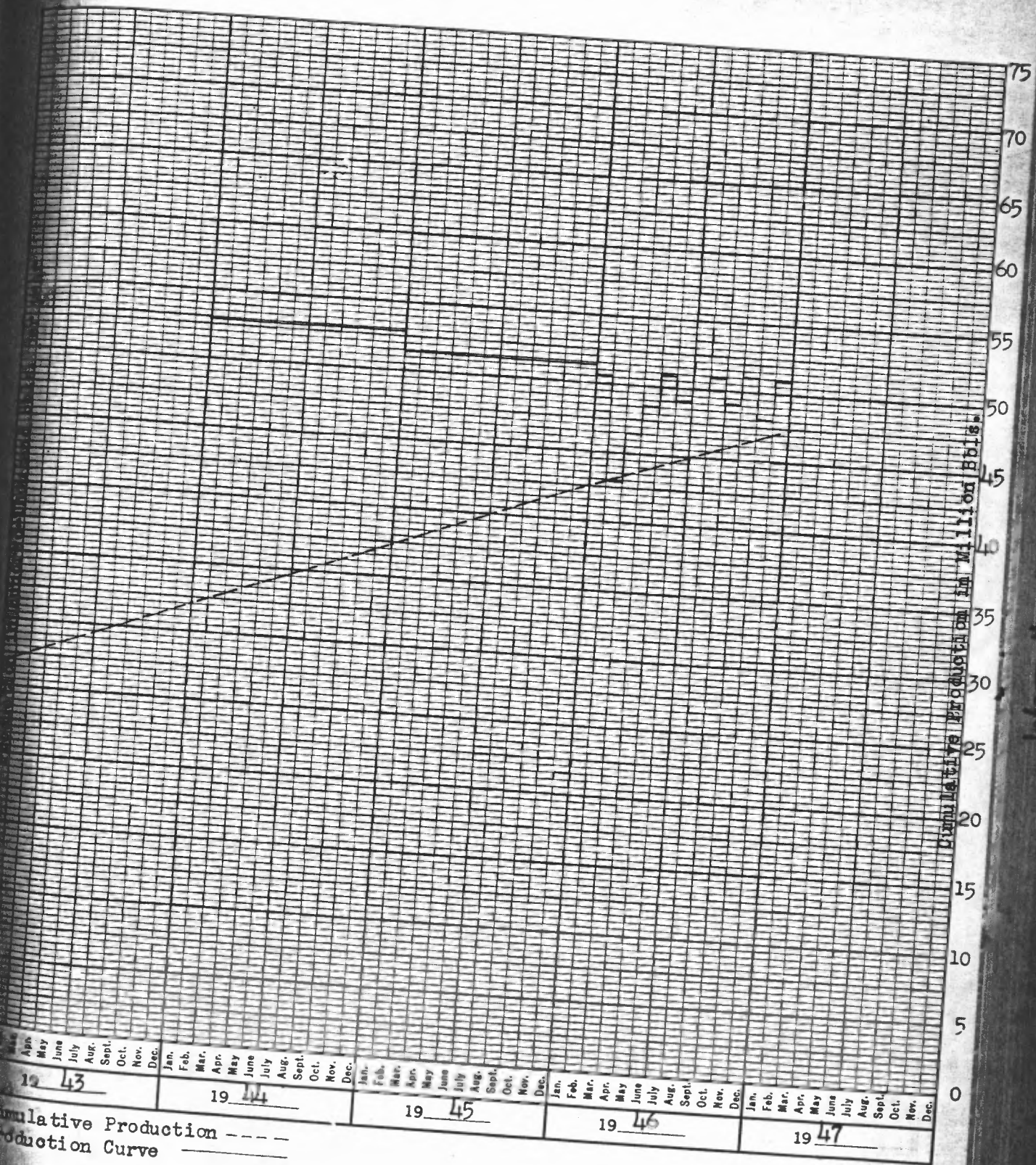
POOL	J	F	M	A	J	J	S	O	N	D	PRODUCTION CUMULATIVE			
	A N	E B	R C H	P R I L	M A Y	U N E	U N E	A U G	E P T	O C T	N O V	D E C	1946	1-1-47
Anderson	5692	5291	6045	6081	4292	6332	4729	3887	5471	5355	4006	4307	61,488	683,039
Artesia	15535	14362	13124	14419	14286	12458	12872	12024	10441	10794	10055	10627	150,997	4,853,775
Atoka	52			105									157	1,439
Barber	2963	2760	3168	4033	4677	1147	2525	5736	6201	4340	4397	4811	46,758	454,938
Benson	3611	1917	2137	2498	1894	1527	2061	1345	1788	1376	1155	1332	22,641	139,448
Black River														3,649
Burton			120			59	59					180	418	518
Cave														488
Culwin			402		294		234		239		228		1,397	11,609
Daugherty	244	122	183	120	122	182		121	183	183	184	61	1,705	16,694
Dayton	744	928	535	821	634	520	921	563	751	333	584	711	8,045	116,321
Dayton, East														242
Empire	6946	5541	6445	6647	7237	6695	7120	7997	8736	7743	6801	6321	84,229	987,390
Fenton														1,020
Forrest			1399	2019		1213	1859	1442	1415	1829	1389	1450	14,015	14,015
Fren	22741	20181	23122	27622	24179	22376	24258	23564	22346	23160	23572	24698	276,819	283,405
Getty	3717	3552	2029	5099	2399	2545	4741	6638	4355	5300	4666	5739	50,680	797,670
Grayburg-Jackson	143709	118786	136293	134990	143037	143101	148946	151505	140742	154658	148910	155197	1,719,874	18,055,126
Hale (Gas Only)														
Henshaw	122	60	120	121	54	59	120	61	61	61	185	124	1,148	4,927
High Lonesome														21,824
High Lonesome (South)														
Leo	1326	969	123	60	120		120	120			122	61	848	10,946
Loco Hills	5758	4277	479	1210	1160	1115	769	957	691	870	1204	902	11,652	132,426
Loco Hills Pressure Maintenance	79965	66027	4502	4735	5025	5277	4649	5177	4932	5110	4467	4950	58,859	194,029
Lusk, West			62834	69483	74025	69205	70685	70451	69533	73162	68177	76458	850,005	10,600,950
McMillan				181	121	243	182	121	122		122	122	1,214	2,727
Palmillo														196
P. C. A.	2292		2709	1330	2356	366	1898	5436	5770	3914	4513	3520	34,104	382,485

EDDY COUNTY PRODUCTION BY POOLS, 1946 (Pipe-Line Runs) - continued

POOL	J	F	M	A	M	J	J	A	S	O	N	D	PRODUCTION 1946	CUMULATIVE 1-1-47
	A	E	R	P	A	U	U	U	E	P	O	E		
	N	B	H	L	Y	E	Y	G	T	T	V	C		
Premier	24961	21686	23224	22627	21300	21141	19959	20964	19556	17938	16091	16988	246,435	1,945,287
Red Lake	11570	8916	10946	10674	16687	13857	14711	15166	12608	12744	10254	10679	148,812	750,222
Robinson	2818	2316	2912	5137	3900	4210	3203	3435	3290	3043	2629	2902	39,795	538,122
Russell	6549	5299	6301	7599	7605	5187	5338	11697	12001	12245	11900	13044	104,765	284,067
Soanlon														
Shugart	6605	5925	5953	6161	6059	5191	5180	5828	4781	5404	4880	5254	67,221	486,693
Shugart, North	5083	3319	5001	3775	4025	4789	4301	4128	3372	3482	3529	4418	49,222	738,159
Square Lake	67464	63538	65970	70559	83120	77300	74586	70756	69484	73205	65853	66972	848,807	4,374,663
Turkey Track	2583	2124	2252	1936	2859	2408	1070	2075	843	1650	1436	1664	22,900	59,220
TOTALS	423050	358018	388433	404937	431467	408503	417096	431194	409612	427899	401309	423492	4,925,010	47,347,935

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EDDY COUNTY Production Curves



Cumulative Production -----
Production Curve -----

ANDERSON POOL

LOCATION: T. 17 S., R. 29 E. S 1/2 sec. 1, All sec. 2, E 1/2 sec. 3,
all secs. 11, 12, N 1/2 sec. 13,
N 1/2 sec. 14.

T. 17 S., R. 30 E. SW 1/2 sec. 6, N 1/2 sec. 7.

DISCOVERY DATE: February 21, 1940.

DISCOVERY WELL: Mac T. Anderson No. 1 Root, SW 1/4 SW 1/4 sec. 12-17-29.
T.D. 2563 in Grayburg lime. Initial potential,
flow 90 bbls. oil per day through 2" tubing.
Completed 2-21-40.

GRAVITY OF OIL: 36°. SULFUR: 0.9%.

AVERAGE THICKNESS OF PAY ZONE: 20'.

PRODUCING FORMATION: Grayburg, Permian.

AVERAGE PRODUCING DEPTH: 2500' to 2773'.

DEEPEST TEST: Morton & Elder No. 5 Root, sec. 7-17-30.

Drilled to 3475'; penetrated approximately 570'
of San Andres. P. & A. Top of Queen red sand,
2085'. (Lockhart No. 1 Root, outside of pool,
was drilled to 3763', penetrating 1058' of
San Andres.)

OIL WELLS, as of 1-1-47

Flowing	10
Pumping	19
Gas lift	0
Shut in	6

GAS WELLS: 0

ABANDONED WELLS: 4

TOTAL WELLS DRILLED: 39

OIL PRODUCTION:

No. of producing wells	1946
Yearly production	29
Cumulative production	61,488
	to 1-1-47,
	683,039 bbls.

GAS PRODUCTION: estimated, cumulative to 1-1-47, 521 million cu. ft.

WATER PRODUCTION: small (none reported).

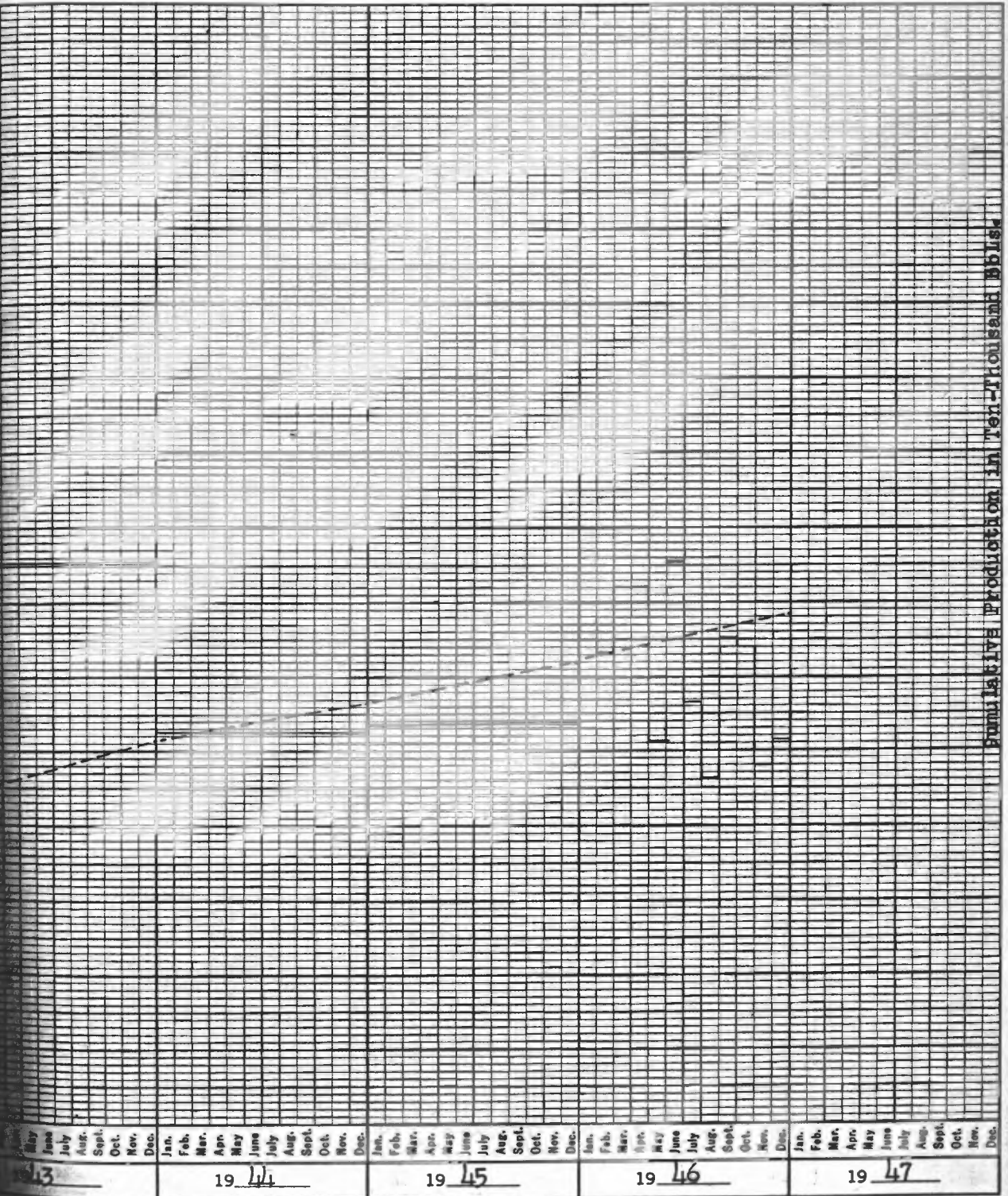
AREA OF PROVEN PRODUCTION: 1480 acres.

PER-ACRE RECOVERY to 1-1-47: 462 Bbls.

GAS-OIL RATIO: estimated, as of 1-1-47, 2000/1.

Internal gas-drive type of reservoir.

ANDERSON POOL
Production Curves



Cumulative Production in Ten-Thousand BBLs

Cumulative Production-----
Production Curve _____

SUBSURFACE COMPLETION DATA - ANDERSON POOL

COMPANY LEASE	W E L L	U N I T	S-T-R	COMP. DATE	INITIAL DAILY -PROD.			SHOT OR ACID		OIL STRING		TUBING		
					TEST	ELEV.	T.D.	T.P.	AMT.	INTERVAL	SIZE	DEPTH	SIZE	DEPTH
DUBLIN & FRANKLIN														
	1	I	3-17-29	3-16-46	F-50	3611	2687	2545	275q	2545-2687	7	1876	2	2550
	2	G	3-17-29	5-28-46	F-50	3636	2670	2505	2500gal 400q	2505-2670 2500-2607	7	1860	2	2510

PRODUCTION DATA - ANDERSON POOL

COMPANY LEASE	W E L L	U N I T	S-T-R	J A N B	F E B	M A R H	M A P R Y	J U N E	J U L Y	A U G	S E P T	O C T	N O V	D E C	CUMULATIVE PRODUCTION 1946	CUMULATIVE PROD. 1-1-47		
																	BARNSDALL OIL CO.	
Dodd B	1	A	14-17-29	75	80	63	73	65	58	64	61	93	64	60	146	902	27,972	
	2	H	"	200	151	175	153	154	143	132	140	200	155	100	246	1,949	36,008	
	4	B	"	313	329	324	360	284	314	317	101	285	298	140	296	3,361	30,317	
	6	C	"	320	329	289	360	285	330	277	101	300	350	159	496	3,596	23,923	
BREEDING, D. ET AL																		
Root	1	F	12-17-29	226	469	567	440		314		110	190	111		115	2,542	24,269	
	2	E	"	226	469	567	440	229	314		110	190	112		115	2,772	24,318	
	7	D	"	P&A														4,579

PRODUCTION DATA - ANDERSON POOL - continued

COMPANY LEASE	W E L	U N T	S-T-R	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	CUMULATIVE PRODUCTION 1946	CUMULATIVE PROD. 1-1-47
DUBLIN & FRANKLIN																	
State	1	I	3-17-29					222	661	388	222	359	303	248	115	2,518	2,518
"	2	G	"							804	424	355	433	376	115	2,507	2,507
EAST, C. L.																	
Root	3	N	12-17-29	347	80	267	212	211	159	158	80			268	215	1,997	34,428
"	6	O	"	348	81	267	105	211	212	158	80	158	213	214	161	2,208	29,622
HEGWER, C. T.																	
Root	1	B	12-17-29														12,201
"	2	A	"														5,897
KEY, GEO. D. (#2 Formerly C. B. Buck)																	
Dodd E.	1	P	11-17-29		221			224	100			150	280		261	1,236	17,272
"	2	I	"	377	369	372	371	343	269			407	281		261	3,050	39,107
MACKENZIE DRUG. CO.																	
Root	1	L	6-17-30	450	391	300	300	300	378	300	382	375	304		150	3,630	8,785
"	2	M	"	775		506	466	112	400	72	496		400	405	250	3,882	7,013
MACEY-TALMADGE-COWELL, CARL FOLKNER, TRUSTEE																	
State	2	O	2-17-29							193	318	163	153	154	132	1,113	19,694
RANDEL, O. H. (Formerly Mac. T. Anderson)																	
Root	1	M	12-17-29														25,996
"	2	L	"														28,506
"	5	P	1-17-29	478	489	483	496	441	434	320		485	454	303	251	4,634	24,869
"	14	I	12-17-29														16,503
"	15	K	"	449	452	233	226	220	228	224	212	378	231	272	168	3,293	13,960
SAIKIN, DAVID C. (Formerly Elder & Breeding)																	
Root A	1	I	12-17-29			238		208		157		163		154		920	26,081
"	2	E	7-17-30		100	100	133		120	132	80	80	80	64		889	19,227
"	6	H	12-17-29		137	138	100		115	102	80	83	91	64		910	10,693
Root B	5	G	"									161				337	22,420
"	9	C	"	227	236	233	173		233			225		137		1,464	18,384

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PRODUCTION DATA - ANDERSON POOL - continued

COMPANY LEASE	W	U	S-T-R	J	F	M	A	J	J	A	S	O	N	D	PRODUCTION 1946	CUMULATIVE PRODUCTION 1-1-47	
	E	N		A	E	R	R	M	U	U	A	E	O	N			D
	L	I		A	E	C	I	A	N	L	U	P	C	O	E		
	L	T		N	B	H	L	Y	E	Y	G	T	T	V	C		
SHUMAKER & BROWN																	
Root	1	O	1-17-29		178				177					198		553	7,033
TALMADGE - COWELL																	
State	1	I	2-17-29														686
"	2	J															2,657
SMITH - LEMON & MAKENZIE (Formerly Morton & Elder)																	
Root	2	F	7-17-30	200		379	300	480	222	248	240	275	240	248		2,832	36,484
"	3	G	"	200	241		300	139	240	200	248	207	248	194	248	2,465	23,915
"	4	C	"	215	200	300	55	300	240	200	134		248		72	1,964	15,479
STOUT, G. KELLY (Formerly Stout & Waddell)																	
State	1	N	3-17-29													683	2,807
WESTERN PRODUCTION CO.																	
Keely C	2	D	13-17-29	133	144	120	79	172	201	155	129	110	135	128	123	1,629	21,327
"	3	B	"	133	145	124	80	172	212	154	131	114	136	128	123	1,652	15,582
FIELD TOTAL				5692	5291	6045	6081	4292	6332	4729	3887	5471	5355	4006	4307	61,488	683,039

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ARTESIA POOL

LOCATION: T. 17 S., R. 28 E. S 1/2 sec. 32, S 1/2 sec. 33, S 1/2 sec. 34, SW 1/4 sec. 35
 T. 18 S., R. 27 E. SE 1/4 sec. 1, SE 1/4 sec. 11, all secs. 12, 13, E 1/2 sec. 14, NE 1/4 sec. 23, E 1/2, NW 1/4 sec. 24, E 1/2 sec. 25, E 1/2 sec. 36.
 T. 18 S., R. 28 E. W 1/2 sec. 2, all secs. 3,4,5, E 1/2, SW 1/4 sec. 6, all secs. 7,8,9, 10, W 1/2 sec. 11, all secs. 15 to 22, incl. and 27 to 34, incl.
 T. 19 S., R. 28 E. All secs. 3, 4, 5, N 1/2 sec. 6, NE 1/4 sec. 9, all sec. 10.

DISCOVERY DATE: August 1923.

DISCOVERY WELL: Flynn, Welch & Yates No. 1 State, NE 1/4 sec. 31-18-28. T.D. 1930 in Grayburg lime. Initial potential, 1500 MCF gas per day. Completed August 1923.

GRAVITY OF OIL: 32° to 37°. SULFUR: 0.85% to 1.02%.

AVERAGE THICKNESS OF PAY ZONE: 35' to 135'.

PRODUCING FORMATION: Grayburg, Permian.

AVERAGE PRODUCING DEPTH: 1825' to 2075'.

DEEPEST TEST: Crumley No. 1 Levers-State, sec. 34-17-28. T.D. 3383'. P & A. Elevation 3663'. Top of Queen red sand, 1320'. Completed 6-24-40.

OIL WELLS, as of 1-1-47

Flowing	13
Pumping	138
Gas lift	0
Shut in	2

GAS WELLS:

Input	2
Producing	0
Shut in	3

DRY AND ABANDONED WELLS:

ABANDONED PRODUCERS:	64
TOTAL WELLS DRILLED:	<u>289</u>

OIL PRODUCTION:

No. of producing wells	1946
Yearly production	<u>151</u>
Cumulative production (to 1-1-47)	150,997
	4,853,775 bbls.

GAS PRODUCTION: estimated, cumulative to 1-1-47, 16,850 million cu. ft.

WATER PRODUCTION: small (none reported).

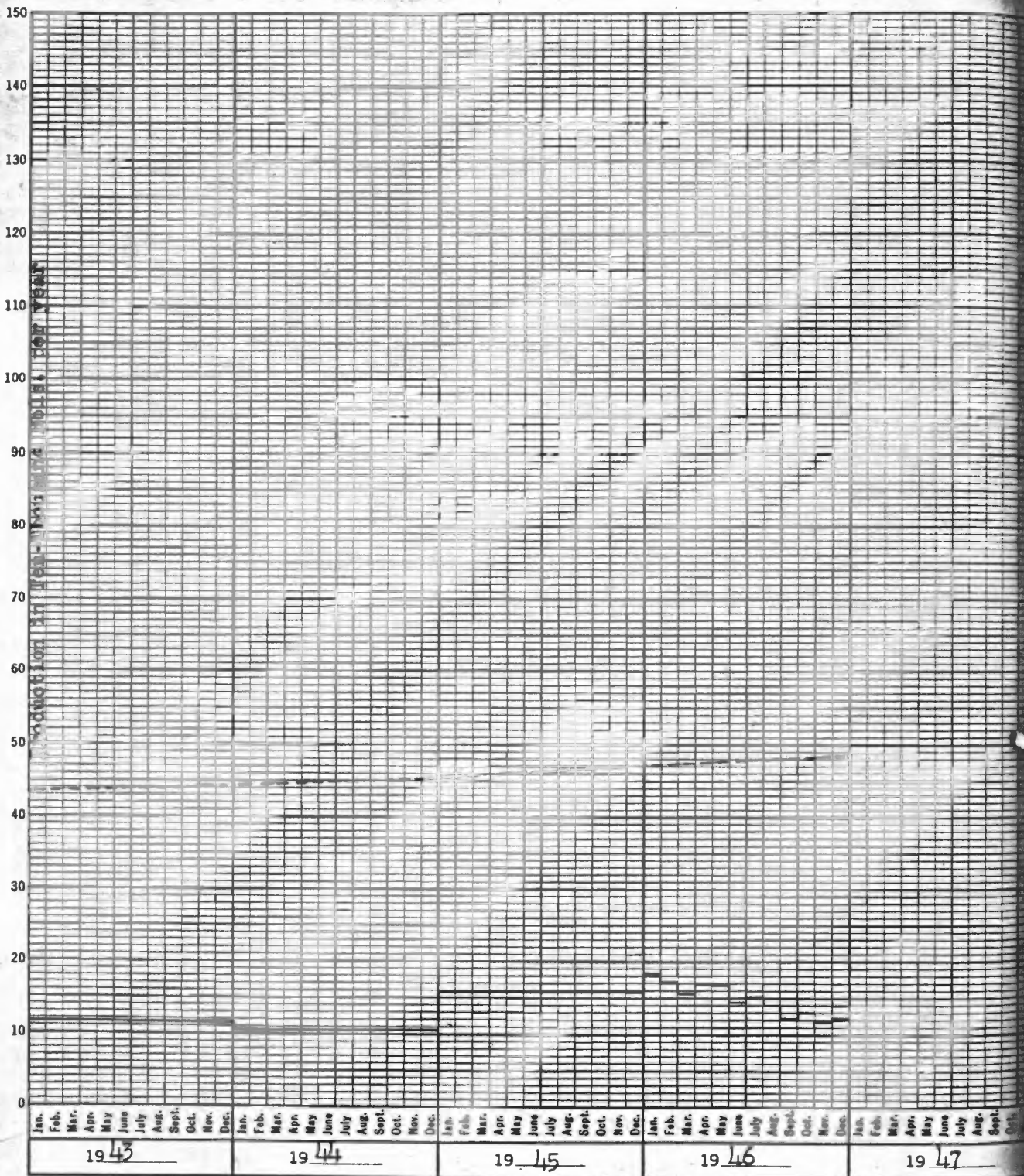
AREA OF PROVEN PRODUCTION: 4360 acres.

PER-ACRE RECOVERY to 1-1-47: 1113 bbls.

GAS-OIL RATIO: estimated, as of 1-1-47, 850/1

Internal gas-drive type of reservoir.

ARTESIA POOL Production Curves



Cumulative Production ----
 Production Curve ———

SUBSURFACE COMPLETION DATA - ARTESIA POOL

COMPANY	W U E N L I LEASE	L T	S-T-R	COMP. DATE	INITIAL DAILY PROD. TEST	ELEV.	T.D.	T.P.	SHOT OR ACID AMT. INTERVAL	OIL STRING SIZE DEPTH	TUBING SIZE DEPTH
MILLER - YATES & BRADSHAW											
State	1 0		13-18-27	12-14-46	F-20	3590	2212	2016	3009 2000-2060	7 1935	2 2088
							2090PB				

PRODUCTION DATA - ARTESIA POOL

COMPANY	W U E N L I LEASE	L T	S-T-R	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	PRODUCTION 1946	CUMULATIVE PROD. 1-1-47
AMERICAN REPUBLICS CORP.																	
Lever's - State																	
"	1 P		4-18-28	60	62	43	79	63	70	42	66	44	54	46	59	688	38,061
"	2 P		"	60	62	43	80	64	71	42	66	54	53	45	59	699	37,865
"	3 P		"	59	62	43	81	44	71	23	26	50	53	46	59	617	37,769
"	4 P		"	59	62	41	81	64	71	42	67	56	53	46	58	700	37,829
Yates - State																	
"	1 K		33-17-28	296	359	362	348	398	355	300	346	208	288	300	238	3,798	56,435
"	2 O		"	97	72	100	45	88	87	79	122	38	90	84	110	1,012	41,752
"	3 P		"	110	144	114	187	263	115	179	237	165	181	195	162	2,052	14,515
"	4 J		"	94	72	100	46	89	87	81	129	38	90	84	110	1,020	8,983
ANCO OIL CO.																	
Crumley - Lever's - State																	
"	2 M		34-17-28					236	81	82	160	52	138	129	81	959	8,512

PRODUCTION DATA - ARTESIA POOL - continued

COMPANY LEASE	W E L L	U N I T	S-T-R	J A N	F E B	M A R C H	A P R I L	M A Y	J U N E	J U L Y	A U G	S E P	O C T	N O V	D E C	PRODUCTION 1946	CUMULATIVE PROD. 1-1-47
BROWN, EVA																	
T. Allen																	
"	1,2																
"	3,4	J	28-18-28	299	268	245	301	142	328	326	264	272	333	282	255	3,315)	
"	5,6	I	"	150	134	122	150	71	165	163	131	136	166	141	128	1,657)	
"	7,8	O	"	149	134	123	150	71	164	163	132	136	166	141	128	1,657)	330,537
CHOATE & DAVIS																	
State 2	J		13-18-27	328	125	95	291	124	184	214	142		180	154	67	1,904	2,057
EASTLAND OIL CO.																	
Twin Lakes																	
"	1,2	M	28-18-28	80	90	74	84	70	68	90	64	82	66	56	70	894)	
"	3	B	"	40	45	37	42	35	34	45	32	41	33	28	35	447)	
"	4	P	"	83	91	80	88	80	54	70	50	60	50	48	55	809)	
"	5	G	"	19	21	11	14	10	10	14	8	18	9	8	17	159)	57,767
FLYNN, WELCH & YATES OIL CO.																	
Dunn	1	F	10-18-28														
"	2	E	11-18-28														
Keyes - State																	
"	1	A	21-18-28	39	33	22	41	40	40	40	38	16	39	41	29	417)	
"	2	B	"	40	34	22	41	40	41	40	38	16	39	41	29	421)	
"	3	C	"	40	34	22	41	40	41	40	38	16	39	41	30	422)	
"	4	H	"	40	34	22	41	40	41	40	38	17	39	41	30	423)	
Simpson																	
1	N		"	23	71	83	145		159	82	82	71	55	82	76	930)	
State # 647																	
42-50	L		3-18-28	74	92	96	100	96	175	117	195	117	105	82	102	1,351)	
33-38	M		"	74	92	95	99	97	118	80	129	76	68	82	104	1,114)	
31	F		21-18-28	37	45	28	28	43	58	25		51	29	43	14	401)	
25-30	I		"	72	90	54	55	86	116	51	77	101	59	86	26	873)	
21-23-39-46	O		"	462	384	420	428	344	290	535	475	485	470	545	429	5,267)	
24-47	P		"	232	192	210	214	172	58	215	190	194	188	218	170	2,253)	

PRODUCTION DATA - ARTESIA POOL - continued

COMPANY LEASE	W	U	S-T-R	J	F	M	A	M	J	J	A	S	O	N	D	PRODUCTION 1946	CUMULATIVE PROD. 1-1-47
	E	N		A	R	A	P	Y	U	U	U	E	P	C	O		
	L	T		N	B	H	L	E	N	L	U	T	T	V	C		
State # 647 - continued																	
68-70-74	E	27-18-28		348	290	317	321	258	174	324	285	294	282	327	255		3,475)
52-53	A	28-18-28		232	192	210	210	172	116	216	190	194	188	218	170		2,308)
13-51	B	"		230	192	210	214	172	116	214	191	194	188	220	172		2,313)
14-17-18	G	"		345	288	315	321	258	58	107	96	97	94	110	86		2,175)
32-43	I	"		232	192	210	214	172	232	216	190	195	188	218	170		2,429)
49	G	29-18-28		67	73	71	63	115	58	67							514)
15-29	H	"		134	144	143	124	230	116	134	140	109	104	94	148		1,620)
76	J	"		67	73	71	63	116	58	67	71	55	53	48	74		816)
54	O	"		67	73	71	63	115	58	67	140	110	104	96	144		1,108)
8-12-48-58	P	"		265	288	288	248	460	174	269	280	216	208	188	296		3,180)
65-66	P	30-18-28			48	50	48	40	118	56		58		54	56		528)
20-28	A	32-18-28		134	144	142	126	230	118	134	140	110	104	95	144		1,621)
55	B	"		67	73	71	63	116	59	67	71	55	52	48	74		816)
4-9	C	"			47	50	48	40	59	28		58		54	56		440)
3-5-6-7	D	"			92	96	92	79	236	136		112		107	114		1,064)
* 59	G	5-18-28			24	25	24	20									93)
State # 648																	
71-72-73	B	10-19-28		230	228	258	226	228	213	210	159	219	212	225	216		2,624)
64	C	"		77	75	86	75	76	70	70	53	72	70	74	72		870)
63	F	"		76	75	86	75	76	70	70	53	72	70	74	72		869)
62	J	"		76	75	86	75	75	70	70	52	72	70	74	72		867) 1,965,160
FLYNN, WELCH & YATES CO. & THREE SANDS																	
State																	
9-11-12-15	C	28-19-28		76	68	74	72	70	75	112	68	36	76	62	28		817)
16	D	"		19	17	19	18	18	19	28	17	9	19	16	7		206)
6	E	"		19	17	18	18	17	18	28	17	8	18	15	7		200)
1-2-4	F	"		57	49	54	52	51	54	81	54	24	54	45	22		597) 475,373
A. H. HOVER (Formerly Earl Ployhar)																	
State 1	D	3-18-28		163	167	168	124	230	144	221	189	157	155	140	216		2,074 16,073

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Note * Well was completed as dry hole, but is credited with oil Production as shown.

PRODUCTION DATA - ARTESIA POOL - continued

COMPANY LEASE	W	U	S-T-R	J	F	M	A	J	J	A	S	O	N	D	PRODUCTION 1946	CUMULATIVE PROD. 1-1-47	
	E	N		A	E	A	R	U	U	U	E	C	O	E			
	L	I		N	B	H	L	Y	E	Y	G	P	T	V	C		
LAIN & HOWARD																	
Etz	1	D	22-18-27													2,084	
JONES, STANLEY																	
State	1	A	14-18-27	205	158		168	165		122	171	124			1,113	8,831	
LEVERS & CARPER																	
State	1-6	E	3-18-28	87			195	272	120	160	116	65	169	123	207	1,514)	
"	2-3	K	"	71	125		182	208	115	144		64	156	132	185	1,382)	
"	4	C	"	43	70				62	70		65	84	70	83	547)	
"	5	F	")	
LONG, BEN & PRISCILIA																	
Williams - State																	
	1-2-3-4	O	17-18-28	74	64	104	60	86	64	61	63	121	56	56	61	870)	
	5	P	"	19	16	27	15	58	16	15	16	30	14	15	15	256)	
MILLER - MILLER & YATES																	
State A	1	N	13-18-27	547	376	564	634	748	371	677	511	328	520	313	366	5,955	10,863
MILLER - YATES & BRADSHAW																	
State 1	1	O	13-18-27														
MCGONOGILL																	
State-Daugherty																	
	1	A	4-18-28													1,184	
PAGE, HENRY																	
Jones	1	B	23-18-27	1340	923	847	692	953	855	909	750	734	645	569	694	9,911	13,159
	2	A	"	385	522	366	291	425	165	171	167	165	144	132	123	3,056	3,551
PICHER OIL & GAS																	
Cronin																	
	1-2-3	P	12-18-27													17,775	
RESLER, DALE																	
State	2	D	13-18-27	183	447	209	440	201	434	212	401	217	260	197	203	3,404	6,661
Jones - State																	
	2	H	14-18-27	447	206	448	431	374	148	326	355	217	184		186	3,322	7,673
	3	L	"	734	630	646	682	396	209	425	311	201	155		191	4,580	12,102
	4	I	"	420	663	650	882	359	413	301	430	347	208	206	426	5,305	11,254

PRODUCTION DATA - ARTESIA POOL - continued

COMPANY LEASE	W	U	S-T-R	J	F	M	A	J	J	A	S	O	N	D	PRODUCTION 1946	CUMULATIVE PROD. 1-1-47	
	E	N		A	E	R	P	U	U	A	E	O	N	D			
	L	I		N	B	H	L	Y	E	Y	G	T	T	V			
RESLER, DALE - continued																	
State	4	P	14-18-27	538	643	218	381	473	487	314	708	400	205	113	218	4,698	9,955
Jones - State																	
	5	O	"	760	558	553	444	324	516	319	340	178	183	131	181	4,487	9,966
State	5	M	13-18-27	538	643	218	381	474	487	315	100	90		206		3,452	7,735
ROTARY OIL COMPANY																	
State	1	B	30-18-28	203	195	208	196	187	186	189	185	193	202	201	200	2,345	57,289
ROYAL DUKE OIL CO.																	
State	1-3	G	29-18-28	87	89	77	82	87	80	21	94	78	81	81		857	10,645
RUDCO OIL & GAS CO.																	
McNutt																	
	2-3-4	K	21-18-28	142	108	149	146	145	100	190	92	135	94	146	146	1,593)	
	6-7	L	"	91	64	95	92	92	63	121	58	86	60	94	92	1,008)	
Yates-State																	
	1-3	D	33-18-28	240	114	225	314	220	202	222	206	145	174	114	269	2,145)	
	2-4	C	"	93	44	86	121	88	58	86	80	56	68	44	104	928)	624,886
SOLT, WALTER																	
Daugherty																	
	1	E	4-18-28	34		37	35	31	33	29	26	26	32	26		309)	
State A																	
	1-2	B	"			146	78	150	150	77	152	150	80	149	82	1,214)	
New State	1	D	"	75	62	39	69	70	35	71	65	38	73	75	76	748)	
	2	A	5-18-28	75	61	39	72	70	34	71	79	39	74	76	77	767)	
	3-6	M	4-18-28	157	55	55	54	56	54	55	55	56	56	56	56	765)	
New State B:																	
	5	O	"	28	28	28	27	28	28	29	29	28	28	28	28	337)	
	7-8-10	N	"	186	85	85	84	84	80	81	80	84	83	83	83	1,098)	
	11-12	I	5-18-28	157	57	58	57	56	57	59	58	56	56	56	54	781)	
	1	B	8-18-28	43	42	42	41	42	41	35	39	36	49	36	38	484)	

PRODUCTION DATA - ARTESIA POOL - continued

COMPANY LEASE	W U E N L I L T	S-T-R	J A N U A R Y	F E B R U A R Y	M A R C H	A P R I L	M A Y	J U N E	J U L Y	A U G U S T	S E P T E M B E R	O C T O B E R	N O V E M B E R	D E C E M B E R	PRODUCTION 1946	CUMULATIVE PROD. 1-1-47
SOLT, WALTER - continued																
State - Marion																
	1 H	5-18-28	34		60	36	31	33	30	27	27	34	26		338)	
State, C.J.W.																
	1-2 L	17-18-28	74	142	63	64	63	81	78	75	152	143	131	82	1,148)	286,433
TAYLOR ET AL																
	Shaw 1 K	13-18-27	892	675	446	584	403	364	360			408	197	318	4,647	14,402
THREE SAND OIL CO																
	State 3-4-5 K	17-18-28	138	111	126	83	189	141	133	142	141	140	142	98	1,584)	
	" 5-6-7 J	17-18-27	93	76	86	56	126	95	88	96	95	94	96	64	1,065)	144,093
WELCH, MARION C. (Formerly R. A. Chase)																
	State 2-3 H	21-18-28	82	160	90	56	82	112	87	78	116	86	78	88	1,115)	
	4-7-8 J	"	123	242	138	86	123	169	129	120	175	130	119	132	1,686)	207,269
FIELD TOTAL			15535	14362	13124	14419	14286	12458	12872	12024	10441	10794	10055	10627	150,997	4,853,775

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ATOKA POOL

LOCATION: T. 18 S., R. 26 E. E 1/2 sec. 15.

DISCOVERY DATE: March 30, 1941.

DISCOVERY WELL: Jones and Yates No. 1 Everest, NE 1/4 SW 1/4 sec. 15-18-26. T.D. 1984 in San Andres lime. Top pay, 1485'. Initial potential, 10 bbls. oil per day pumping. The well was treated with 2000 gallons acid, shot with 275 and 670 quarts in two shots.

AVERAGE THICKNESS OF PAY ZONE: 10'.

PRODUCING FORMATION: Upper San Andres, Permian.

AVERAGE PRODUCING DEPTH: 1710'.

DEEPEST TEST: Rhen et al. No. 1 Winens, NE 1/4 sec. 15-18-26. T.D. 2350' in San Andres. P. & A. (Stanolind No. 1 Terry, outside of pool, sec. 15-18-26, drilled to 3650', dry and abandoned. Top of San Andres, 1154'; Top of Glorieta, 2253'.)

OIL WELLS, as of 1-1-47

Flowing	0
Pumping	1
Shut in	0

GAS WELLS: 0

ABANDONED WELLS: 6

TOTAL WELLS DRILLED: 7

OIL PRODUCTION:

1946

No. of producing wells

1

Yearly production

157

Cumulative production to 1-1-47

1,439 bbls.

GAS PRODUCTION: small (none reported).

WATER PRODUCTION: small (none reported).

AREA OF PROVEN PRODUCTION: 40 acres.

PER-ACRE RECOVERY to 1-1-47: 36 bbls.

Internal gas-drive type of reservoir.

PRODUCTION DATA - ATOKA POOL

COMPANY	W	U		J	F	M	A	J	J	A	S	O	N	D	PRODUCTION	CUMULATIVE
LEASE	E	N	S-T-R	A	E	R	P	U	U	V	E	C	O	E	1946	1-1-47
	L	I		N	B	H	L	E	L	G	P	T	V	C		
JONES & YATES																
Everest	1	I	15-18-26	52		105									157	1,439
FIELD TOTAL				52		105									157	1,439

BARBER POOL

LOCATION: T. 20 S., R. 30 E. S 1/2 sec. 17, all sec. 20.
DISCOVERY DATE: February 1937.
DISCOVERY WELL: Neil H. Wills No. 1 Colglazier, NW 1/4 NE 1/4
sec. 20-20-30. T.D. 1443. Initial prod-
uction, 132 bbls. oil per day from limestone
in Yates formation. Top Salado, 402'; Base
Salado, 1062'; Top Yates, 1225', Elevation
3210'.

GRAVITY OF OIL: 20.5° API.

AVERAGE THICKNESS OF PAY ZONE: 90'.

PRODUCING DEPTH: Limestone of Yates.

AVERAGE PRODUCING DEPTH: 1410' to 1600'.

DEEPEST TEST: Neil H. Wills No. 2 Hale, sec. 12-20-30.
T. D. 1860'. D. & A. (For deepest in area
see Getty Dooley No. 7 in Getty Pool.)

OIL WELLS, as of 1-1-47:

Flowing	0
Pumping	9
Gas lift	0
Shut in	4

GAS WELLS: 0

ABANDONED WELLS: 1

TOTAL WELLS DRILLED 14

OIL PRODUCTION:

No. of producing wells

Yearly production

Cumulative production to 1-1-47

1946
<u>13</u>
46,763
454,943 bbls.

GAS PRODUCTION: small (none reported).

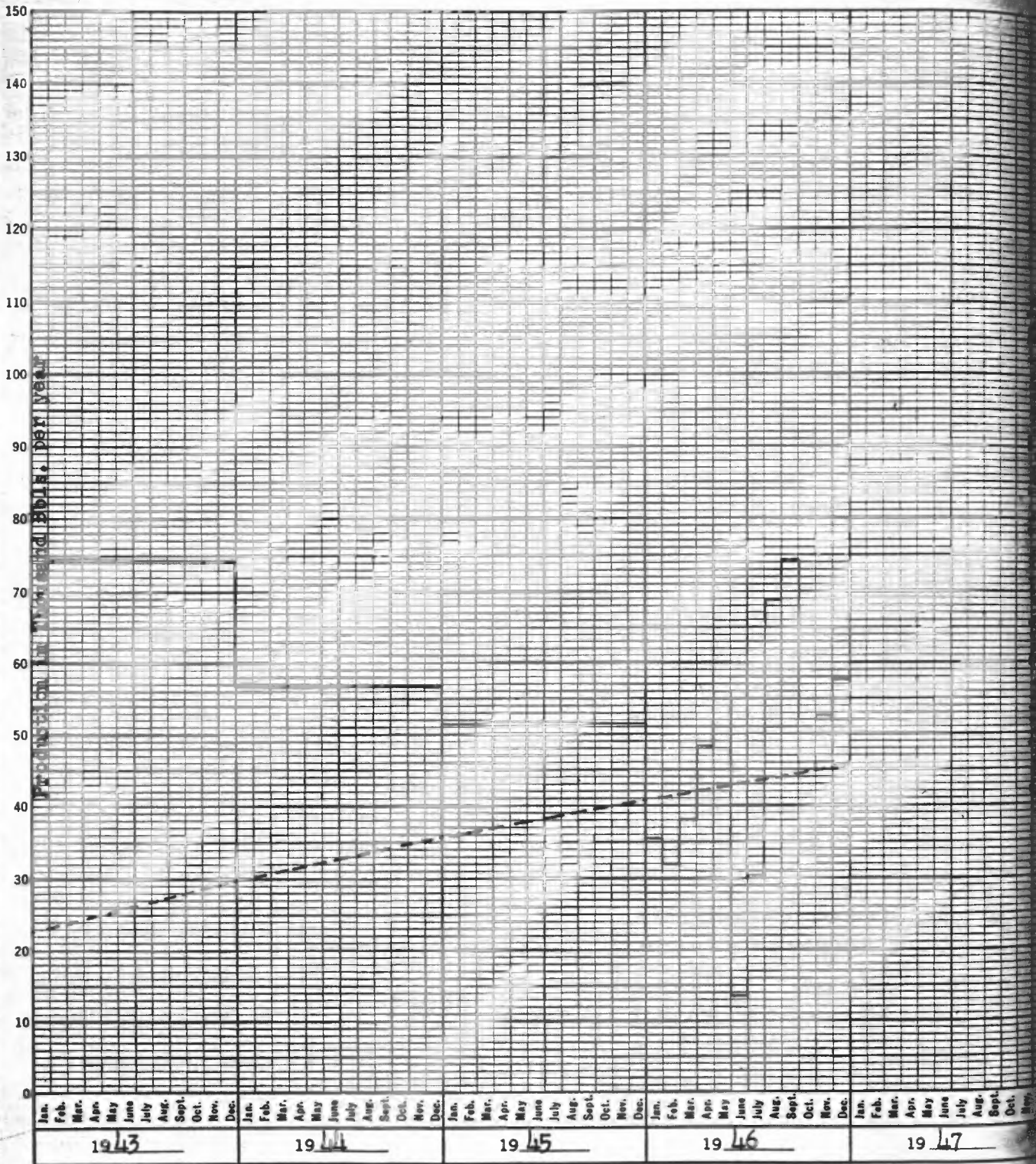
WATER PRODUCTION: none reported. However, the wells do produce
water.

AREA OF PROVEN PRODUCTION: 520 acres.

PER-ACRE RECOVERY to 1-1-47: 874 bbls.

Ineffective water-drive type of reservoir.

BARBER POOL Production Curves



Gumulative Production----
Production Curve ———

SUBSURFACE COMPLETION DATA - BARBER POOL

COMPANY	W U E N L I	S-T-R	COMP. DATE	INITIAL DAILY PROD. TEST.	ELEV.	T.D.	T.P.	SHOT OR ACID AMT. INTERVAL	OIL STRING SIZE DEPTH	TUBING SIZE DEPTH
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EASTHAM, H. E. (Formerly Hargraves & Eastham)
 Colglazier
 2 E 21-20-30 2-18-46 D & A 3262 1750

PRODUCTION DATA - BARBER POOL

COMPANY	W U E N L I	S-T-R	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	CUMULATIVE PRODUCTION 1-1-47
---------	-------------------	-------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	------------------------------------

EASTHAM, HARRIS G. JR. (Formerly Hargraves & Eastham)
 Colglazier
 1 J 20-20-30 476 362 793 709 420 735 426 832 810 709 562 327 7,161 14,526

WILLS, NEIL H.
 Colglazier
 1 B " 369 401 304 329 522 50 279 832 841 663 600 600 5,790)
 2 G " 246 268 203 219 348 33 150 300 408 400 345 338 3,258)

Morris-Hoover
 1 E " " " " " " " " " " 93 93)

Morris-State
 1 D " " 46 39 57 55 7 85 95 78 193 300 955)

Morris-State A
 1 O 17-20-30 32 365 300 355 522 58 300 528 650 600 473 600 4,783)
 3 N 20-20-30 " " 237 348 39 624)

25

PRODUCTION DATA - BARBER POOL - continued

COMPANY	W U		J	F	M	A	J	J	A	S	O	N	D	CUMULATIVE
LEASE	E N	S-T-R	A	E	R	P	U	U	U	E	C	O	E	PRODUCTION
	L I		N	B	H	L	Y	E	Y	G	T	V	C	1946
	L T													1-1-47

WILLS, NEIL H. - continued

Stovall-Wood

1	C	20-20-30	1038	387	800	1319	1645	118	643	1215	1226	668	1200	1200	11,459)	
2	F	"	346	329	267	440	548	78	453	1215	1226	668	762	710	7,042)	390,341

Morris-Hoover

2	L	"	74	74	50	51									249	10,033
---	---	---	----	----	----	----	--	--	--	--	--	--	--	--	-----	--------

Morris-State A

2	N	17-20-30	168	183	156	229	219	29	174	339	377			157	2,031	9,969
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Morris-State A

4	J	"	214	243	200				100	200	365	311	200	373	2,206	19,239
---	---	---	-----	-----	-----	--	--	--	-----	-----	-----	-----	-----	-----	-------	--------

Morris-State B

1	K	20-20-30		102	56	88	50			190	203	150	62	206	1,107	10,830
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FIELD TOTAL	2963	2760	3168	4033	4677	1147	2525	5736	6201	4340	4397	4811	46,758	454,938
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BENSON POOL

LOCATION: T. 19 S., R. 30 E. All sec. 16.

DISCOVERY DATE: July 1943.

DISCOVERY WELL: Harvey Yates No. 1 Snowden-McSweeney, SE 1/4
NW 1/4 sec. 16-19-30. T.D. 1836'. Top Pay,
1828'. Initial production, pump 120 bbls.
oil per day and 432 bbls. water per day from
upper Seven Rivers formation. Base Salado,
1325'; Top Yates, 1520'. Elevation 3325'.

AVERAGE THICKNESS OF PAY ZONE: 32'.

PRODUCING FORMATION: Limestone of upper Seven Rivers.

AVERAGE PRODUCING DEPTH: 1725' to 1900'.

DEEPEST TEST: Harvey E. Yates No. 1 Foard, SW 1/4 SW 1/4 sec.
10-19-30 (adjoining pool). T.D. 2988'. P. & A.
in San Andres formation. Elevation 3371'.

OIL WELLS, as of 1-1-47:

Flowing	0
Pumping	5
Gas lift	0
Shut in	0

GAS WELLS: 0

ABANDONED WELLS: 6

TOTAL WELLS DRILLED: 11

OIL PRODUCTION:

No. of producing wells

Yearly production

Cumulative production to 1-1-47 139,448 bbls.

1946

5

22,641

GAS PRODUCTION: small (none reported).

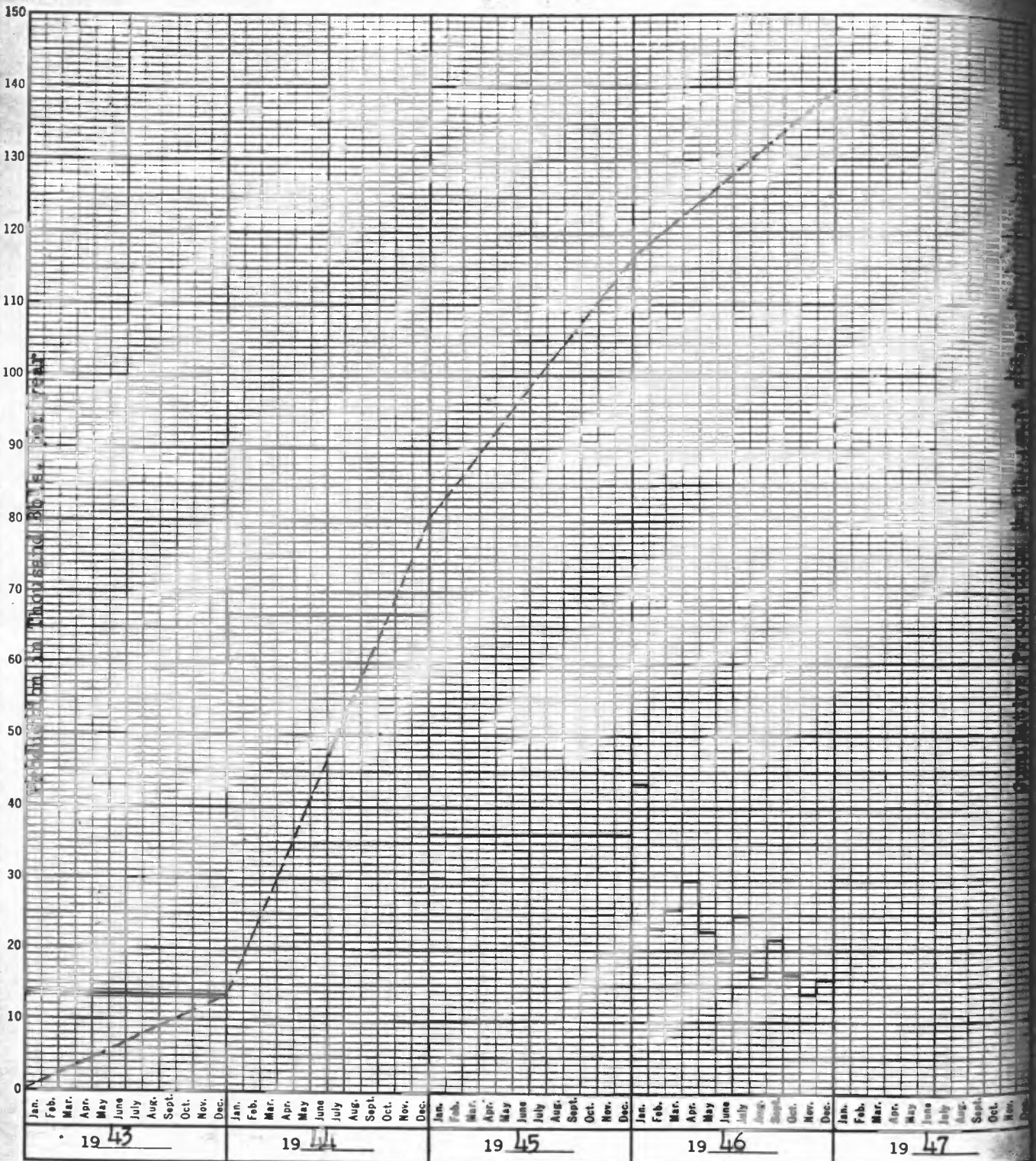
WATER PRODUCTION: some water produced. Accurate figures are not
available.

AREA OF PROVEN PRODUCTION: 200 acres.

PER-ACRE RECOVERY to 1-1-47: 697 bbls.

Combination drive type of reservoir.

BENSON POOL Production Curves



Cumulative Production-----
 Production Curve-----

SUBSURFACE COMPLETION DATA - BENSON POOL

COMPANY LEASE	W E L L	U N I T	S-T-R	COMP. DATE	INITIAL DAILY PROD. TEST	ELEV.	T.D.	T.P.	SHOT OR ACID AMT. INTERVAL	OIL STRING SIZE DEPTH	TUBING SIZE DEPTH
HARVEY E. YATES ET AL Perkins	1	H	17-19-30	11-20-46	P & A	3337	2703				

PRODUCTION DATA - BENSON POOL

29

COMPANY LEASE	W E L L	U N I T	S-T-R	J A N U A R Y	F E B R U A R Y	M A R C H	A P R I L	M A Y	J U N E	J U L Y	A U G U S T	S E P T E M B E R	O C T O B E R	N O V E M B E R	D E C E M B E R	CUMULATIVE PRODUCTION 1-1-47	PROD. 1-1-47
YATES, HARVEY E. Snowden - McSweeney	1	F	16-19-30	540	307	382	535	466	345	360	303	270	295	219	303	4,325	41,865
	2	J	"	540	307	382	535	466	344	360	303	270	295	219	303	4,324	43,864
	3	I	"	539	308	382	536	467	344	360	303	270	295	219	303	4,326	8,753
State	2	G	"	1992	995	991	892	495	494	981	436	846	491	498	423	9,534	44,269
Whalen - State	1	H	"									132				132	697
FIELD TOTAL				3611	1917	2137	2498	1894	1527	2061	1345	1788	1376	1155	1332	22,641	139,448

BLACK RIVER POOL

LOCATION: T. 24 S., R. 26 E. NW 1/4 sec. 13, NE 1/4 sec. 14.
 DISCOVERY DATE: 1937.
 DISCOVERY WELL: T.D. Collins No. 1 Weiler, NW 1/4 NW 1/4 sec. 13-24-26. T.D. 1969' in Delaware. Initial potential, 15 bbls. oil plus 20% water per day.
 GRAVITY OF OIL: 39.5° API.
 AVERAGE THICKNESS OF PAY ZONE: 10'.
 PRODUCING FORMATION: Delaware.
 AVERAGE PRODUCING DEPTH: 1940' to 1970'.
 DEEPEST TEST: Grisham No. 1 Chaytor, NE 1/4 NE 1/4 sec. 14-24-26. T.D. 2320'. PB and completed for 10 bbls. oil per day.

OIL WELLS, as of 1-1-47: 0
 GAS WELLS: 0
 ABANDONED WELLS: 2
 TOTAL WELLS DRILLED: 2

OIL PRODUCTION: 1947
 No. of producing wells 0
 Yearly production 0
 Cumulative production to 1-1-47 3,649 bbls.

GAS PRODUCTION: none reported.

WATER PRODUCTION: small (none reported).

AREA OF PROVEN PRODUCTION: 80 acres.

PER-ACRE RECOVERY to 1-1-47: 45 bbls.

NOTE: Pool has been abandoned.

NO PRODUCTION IN 1946

CUMULATIVE PRODUCTION DATA

COMPANY	LEASE	WELL	UNIT	S-T-R	CUMULATIVE 1-1-47
T. D. COLLINS					
	Weiler	1	D	13-24-26	2,922
GRISHAM-CHAYTOR					
	Chaytor	1	A	14-24-26	727
				TOTAL	3,649

BURTON POOL

LOCATION: T. 20 S., R. 29 E. N 1/2 sec. 8.

DISCOVERY DATE: July 1934.

DISCOVERY WELL: Getty, Inc. No. 2 Cook and Ironsides, SW 1/4
NW 1/4 sec. 8-20-29. T.D. 1597'. PB 1160'.
Initial potential, swabbed 26 bbls. oil per
day from Yates sand. Top pay, 1105'; Top
Salado, 480'; Base Salado, 800'; Top Yates,
975'. Elevation 3276'.

GRAVITY OF OIL: 27° API.

AVERAGE THICKNESS OF PAY ZONE: 15'.

PRODUCING FORMATION: Yates sand and dolomite.

AVERAGE PRODUCING DEPTH: 1160'.

DEEPEST TEST: Discovery well, described above.

OIL WELLS, AS OF 1-1-47:

Flowing	0
Pumping	1
Gas lift	0
Shut in	0

GAS WELLS: 0

ABANDONED WELLS: 1

TOTAL WELLS DRILLED: 2

PRODUCTION PRIOR TO 1-1-46: Approximately 100 bbls.

1946 PRODUCTION 418 bbls.

PER-ACRE RECOVERY To 1-1-47: 10 bbls.

PRODUCTION DATA - BURTON POOL

COMPANY	W U		J	F	M	A	J	J	A	S	O	N D		CUMULATIVE
LEASE	E N		A	E	R	P	U	U	U	E	C	O E	PRODUCTION	PROD.
	L I	S-T-R	N	B	H	L	E	Y	G	T	T	V C	1946	1-1-47
W. R. McKENZIE														
Getty	2 E	8-20-29			120		59	59				180	418	518*
FIELD TOTAL					120		59	59				180	418	518*

* Production Prior to 1-1-46 Approximately 100 bbls. is included.

CAVE POOL

LOCATION: T. 17 S., R. 29 E. SE 1/4 sec. 8, SW 1/4 sec. 9, NW 1/4 sec. 16, NE 1/4 sec. 17.

DISCOVERY DATE: October 1940.

DISCOVERY WELL: Herbert Aid No. 2 Leonard-State, NW 1/4 NW 1/4 sec. 16-17-29. T.D. 3080'. PB 2450'. Initial potential, 8 bbls. oil per day from Grayburg formation. Top Queen, 1715'; Top San Andres, 2415'. Elevation 3594'.

GRAVITY OF OIL: 36° API.

AVERAGE THICKNESS OF PAY ZONE: 15'.

PRODUCING FORMATION: Limestone of basal Grayburg.

AVERAGE PRODUCING DEPTH: 2450'.

DEEPEST TEST: Discovery well, described above.

OIL WELLS, as of 1-1-47: 0

GAS WELLS: 0

ABANDONED WELLS: 3

TOTAL WELLS DRILLED 3

OIL PRODUCTION: 1946

No. of producing wells 0

Yearly production 0

Cumulative production to 1-1-47. 488 bbls.

GAS PRODUCTION: none reported.

WATER PRODUCTION: none reported.

AREA OF PROVEN PRODUCTION: 40 acres.

PER-ACRE RECOVERY to 1-1-47: 12 bbls.

Internal gas-drive type reservoir.

NOTE: Pool has been abandoned.

NO PRODUCTION IN 1946

CUMULATIVE PRODUCTION DATA

COMPANY	LEASE	WELL	UNIT	S-T-R	CUMULATIVE	1-1-47
AID, HERBERT	Leonard-State	2	D	16-17-29	488	
				TOTAL	488	

CULWIN POOL

LOCATION: T. 19 S., R. 31 E. N 1/2 sec. 6.

DISCOVERY DATE: August 1942.

DISCOVERY WELL: Culbertson-Irwin No. 1 Vandegriff, SW 1/4
NE 1/4 sec. 6-19-31. T.D. 3573'. Initial
potential, pump 30 bbls. oil per day from
Queen formation. Top Rustler, 535'; Base
Salado, 2050'; Top Yates, 2265'; Top
Queen, 3187'. Elevation 3540'.

GRAVITY OF OIL: 33° API.

AVERAGE THICKNESS OF PAY ZONE: 20'.

PRODUCING FORMATION: Queen.

AVERAGE PRODUCING DEPTH: 3573'.

DEEPEST TEST: Discovery well, described above.

OIL WELLS, as of 1-1-47:

Flowing	0
Pumping	1
Gas lift	0
Shut in	0

GAS WELLS: 0

ABANDONED WELLS: 0

TOTAL WELLS DRILLED: 1

OIL PRODUCTION: 1946

No. of producing wells 1

Yearly production 1,397

Cumulative production to 1-1-47: 11,609 bbls.

GAS PRODUCTION: none reported.

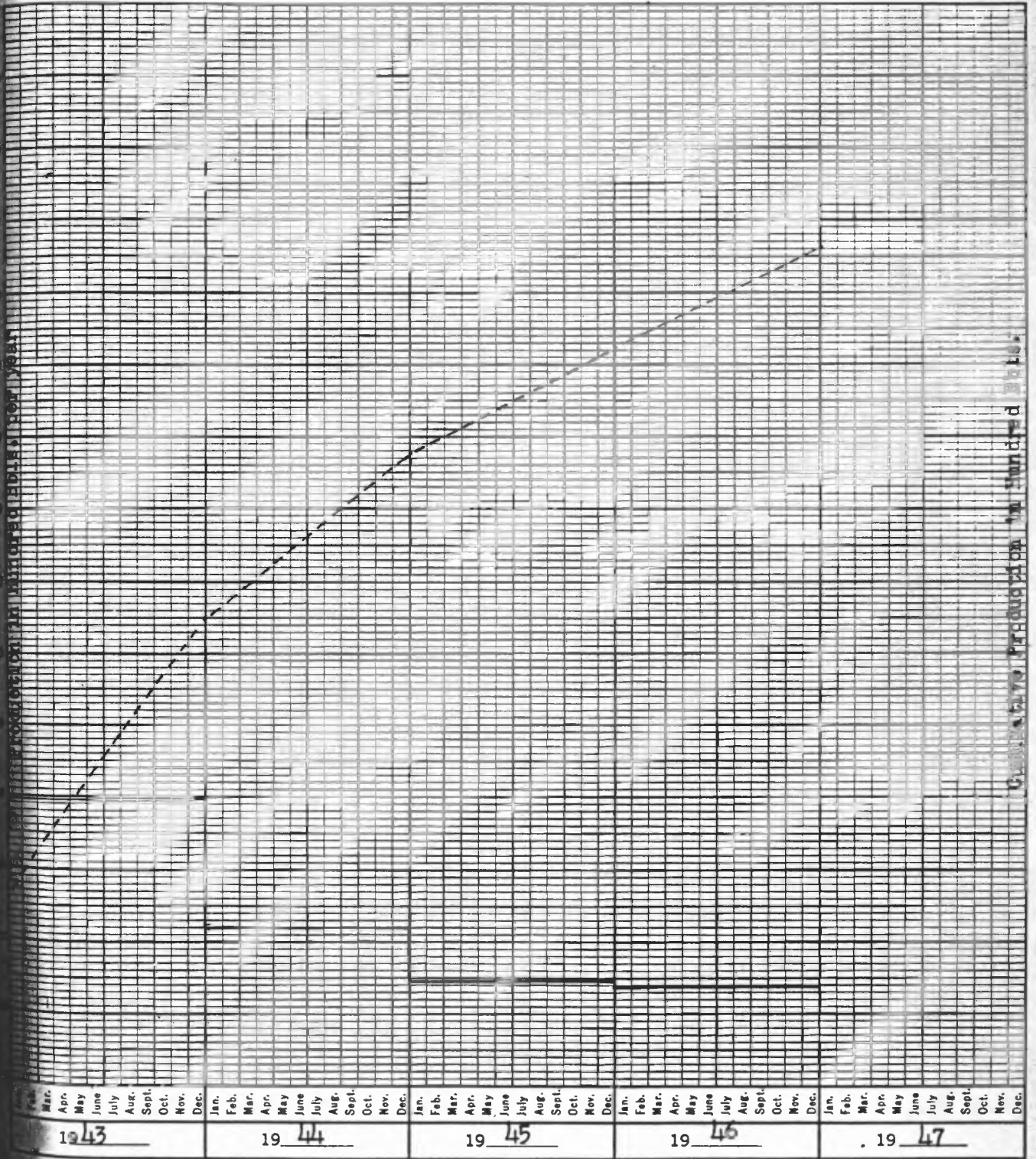
WATER PRODUCTION: none reported.

AREA OF PROVEN PRODUCTION: 40 acres.

PER-ACRE RECOVERY to 1-1-47: 290 bbls.

Type of drive unknown

CULWIN POOL
Production Curves



Cumulative Production-----
Production Curve _____

PRODUCTION DATA - CULWIN POOL

COMPANY	W	U		J	F	M	A		J	J	A	S	O	N	D	CUMULATIVE	
LEASE	L	I	S-T-R	A	E	C	I	M	U	U	U	P	C	O	E	PRODUCTION	
	L	T		N	B	H	L	Y	E	Y	G	T	T	V	C	1946	
																1-1-47	
HARDENDORF, A. J. (Formerly Carper Drlg. Co.)																	
Vandagriff																	
	1	G	6-19-31			402		294		234		239		228		1,397	11,609
FIELD TOTAL						402		294		234		239		228		1,397	11,609

DAUGHERTY POOL

LOCATION: T. 17 S., R. 27 E. All sec. 3.

DISCOVERY DATE: November 1938.

DISCOVERY WELL: P.B. English No. 1 Daugherty, SE 1/4 SW 1/4
sec. 3-17-27. T.D. 201 1/2' in San Andres for-
mation.

GRAVITY OF OIL: 29° API.

AVERAGE THICKNESS OF PAY ZONE: 10'.

PRODUCING FORMATION: San Andres.

AVERAGE PRODUCING DEPTH: 201 1/2'.

DEEPEST TEST: Discovery well, described above.

OIL WELLS, as of 1-1-47:

Flowing	0
Pumping	1
Gas lift	0
Shut in	0

GAS WELLS: 0

ABANDONED WELLS: 2

TOTAL WELLS DRILLED: 3

OIL PRODUCTION: 1946

No. of producing wells 1

Yearly production 1,705

Cumulative production 16,694 bbls.
to 1-1-47

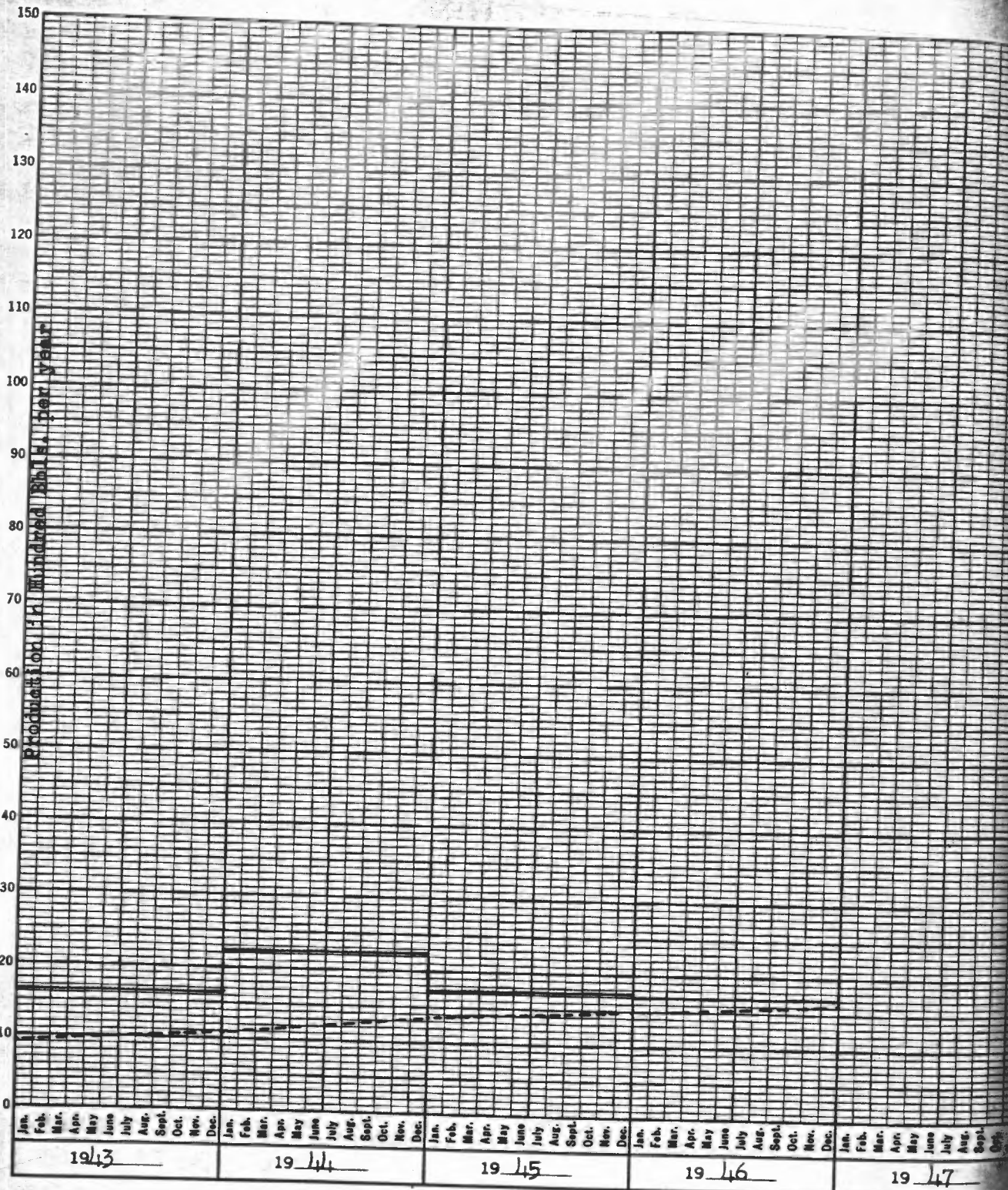
GAS PRODUCTION: none reported.

WATER PRODUCTION: none reported.

AREA OF PROVEN PRODUCTION: 40 acres.

PER-ACRE RECOVERY to 1-1-47: 417 bbls.

DAUGHERTY POOL Production Curves



Cumulative Production -----
 Production Curve _____

PRODUCTION DATA - DAUGHERTY POOL

COMPANY LEASE	W	U		J	F	M	A	J	J	A	S	O	N	D	CUMULATIVE PRODUCTION 1946	PROD. 1-1-47
	E	N	S-T-R	A	E	R	R	U	U	U	E	C	O	E		
BYRD-FROST (Formerly P.B. English) Daugherty	1	N	13-17-27	244	122	183	120	122	182	121	183	183	184	61	1,705	16,694
FIELD TOTAL				244	122	183	120	122	182	121	183	183	184	61	1,705	16,694

DAYTON POOL

LOCATION: T. 18 S., R. 26 E. S 1/2 sec. 23, S 1/2 sec. 24, all
secs. 25, 26, N 1/2 sec. 35.

DISCOVERY DATE: September 1940.

DISCOVERY WELL: Bassett & Birney, et al. No. 1 Platt, SW 1/4 SW
1/4 sec. 26-18-26. T.D. 2545'. PB 1182'. In-
initial potential, 2 bbls. oil per day from
middle Grayburg and upper San Andres.

GRAVITY OF OIL: 36° API. SULPHUR: 0.9%

AVERAGE THICKNESS OF PAY ZONE: 50'.

PRODUCING FORMATION: Lower Grayburg and upper San Andres.

AVERAGE PRODUCING DEPTH: 985' to 1182'.

DEEPEST TEST: Discovery well, described above. (National Explor-
ation No. 2 Dayton, deepest test in area, was
drilled to 4046' in 1919.)

OIL WELLS, as of 1-1-47:

Flowing	10
Pumping	0
Gas lift	0
Shut in	5

GAS WELLS:

Producing	0
Shut in	1

ABANDONED WELLS:

3

TOTAL WELLS DRILLED:

19

OIL PRODUCTION:

No. of producing wells	<u>1946</u>
Yearly production	<u>10</u>
Cumulative production	8,045
to 1-1-47	116,321 bbls.

GAS PRODUCTION: none reported.

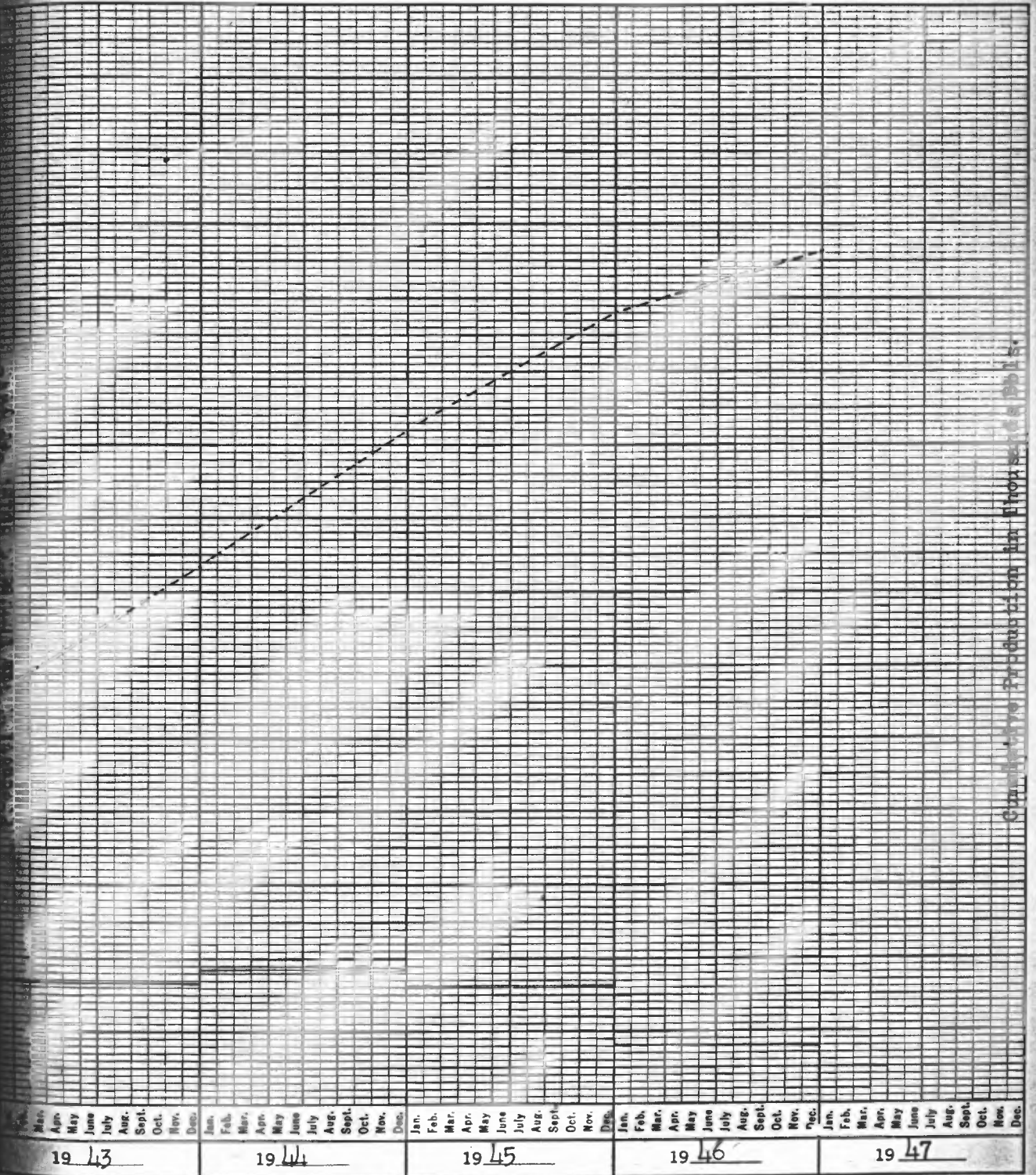
WATER PRODUCTION: none reported.

AREA OF PROVEN PRODUCTION: 520 acres.

PER-ACRE RECOVERY to 1-1-47: 223 bbls.

Combination drive type reservoir.

DAYTON POOL Production Curves



Cumulative Production ----
Production Curve _____

PRODUCTION DATA - DAYTON POOL

COMPANY LEASE	W L	U T	S-T-R	J A	F E	M H	A R	P R	M A	J U	J U	A U	S E	O C	N O	D E	E C	O V	N V	D C	CUMULATIVE		
																					PRODUCTION	PROD.	
																						1946	1-1-47
BASSETT & BIRNEY ET AL																							
Fedell	1	B	35-18-26		105	54	107	106	106	159	106	53	160	54		1,010						21,088	
Kimbell	2	O	26-18-26		157	52		53			106		53	108	54	583						4,250	
Platt	1	M	"																			1,580	
"	2	D	"																			587	
Roberts	1	D	35-18-26		52		53	53	53	53	53	106			54	477						5,516	
MALCO REFINERIES, INC. (Formerly Brewer Drlg. Co)																							
Hoffman	1	N	24-18-26	185	122		162	121	119	119	119	180	60	121	181	1,489						14,813	
"	2	O	"																			2,074	
Kindle	2	A	26-18-26	61			61			60			60		60	302						1,331	
McCall	1	M	24-18-26	60			20									80						18,087	
Scripps	1	L	25-18-26		123		60			60	60		60		60	423						1,525	
Williams	1	C	25-18-26	219	184	183	152	150	121	208	60	150		150	151	1,728						23,535	
"	2	D	"																			12,042	
"	3	B	"																			4,040	
"	4	F	"	219	185	193	153	151	121	209	59	149		151	151	1,741						3,747	
NIX, ET AL																							
Crozier	1	C	26-18-26			53	53			53		53				212						2,106	
FIELD TOTAL				744	928	535	821	634	520	921	563	751	333	584	711	8,045							116,321

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DAYTON, EAST, POOL

LOCATION: T. 18 S., R. 27 E. NW 1/4 sec. 29.

DISCOVERY DATE: December 1944.

DISCOVERY WELL: Martin Yates, Jr. No. 1 Kaiser, NW 1/4 NW 1/4 sec. 29-18-27. T.D. 1490' in Grayburg. Initial potential, pump 8 bbls. oil per day. Well was shot with 194 quarts from 1350' to 1400'. The Grayburg pay has been abandoned, and the well is being drilled deeper.

GRAVITY OF OIL: 32° API.

AVERAGE THICKNESS OF PAY ZONE: 15'.

PRODUCING FORMATION: Grayburg.

AVERAGE PRODUCING DEPTH: 1350' to 1405'.

DEEPEST TEST: Discovery well, described above, is only well in pool.

OIL WELLS, as of 1-1-47: 0

GAS WELLS; 0

ABANDONED WELLS: 1

TOTAL WELLS DRILLED: 1

OIL PRODUCTION: 1946

No. of producing wells 0

Yearly production 0

Cumulative production to 1-1-47 242 bbls.

GAS PRODUCTION: none reported

WATER PRODUCTION: none reported

AREA OF PROVEN PRODUCTION: 40 acres.

PER-ACRE RECOVERY to 1-1-47: 6 bbls.

NO PRODUCTION IN 1946

CUMULATIVE PRODUCTION DATA

COMPANY LEASE	WELL	UNIT	S-T-R	CUMULATIVE 1-1-47
MARTIN YATES JR., ET AL				
Kaiser	1	D	29-18-27	242
			TOTAL	242

EMPIRE POOL

LOCATION: T. 17 S., R. 27 E. S 1/2 sec. 13, all secs. 24, 25, E 1/2 sec. 26, S 1/2 sec. 33, all secs. 34, 35, 36.
T. 17 S., R. 28 E. S 1/2 sec. 18, all sec. 19, W 1/2 sec. 30
T. 18 S., R. 27 E. N 1/2, SW 1/4 sec. 2, all secs. 3, 4, 5, E 1/2 sec. 6, E 1/2 sec. 7, all sec. 8, NE 1/4, W 1/2 sec. 9.

DISCOVERY DATE: By order effective January 1, 1945 pool established and defined by New Mexico Oil Conservation Commission.

DISCOVERY WELL: The wells in the Empire pool originally were included in the Artesia and Red Lake pools.

GRAVITY OF OIL: 35° API.

AVERAGE THICKNESS OF PAY ZONE: 34'.

PRODUCING FORMATION: Yates, Grayburg, and San Andres.

AVERAGE PRODUCING DEPTH: Yates, 350' to 460'; Grayburg and San Andres, 1250' to 2275'.

DEEPEST TEST: Burnham Oil Co. deepened No. 3 Brooks A, SE 1/4 NE 1/4 sec. 19-17-28 to 2612'. P. & A. Top Yates, 315'; Top Queen, 1125'; Top San Andres, 1895'. Elevation 3633'.

OIL WELLS, as of 1-1-47:

Flowing	2
Pumping	80
Gas lift	0
Shut in	24

GAS WELLS:	1
ABANDONED WELLS:	65
TOTAL WELLS DRILLED:	172

OIL PRODUCTION:	1946
No. of producing wells	82
Yearly production	84,229
Cumulative production to 1-1-47	987,390 bbls.

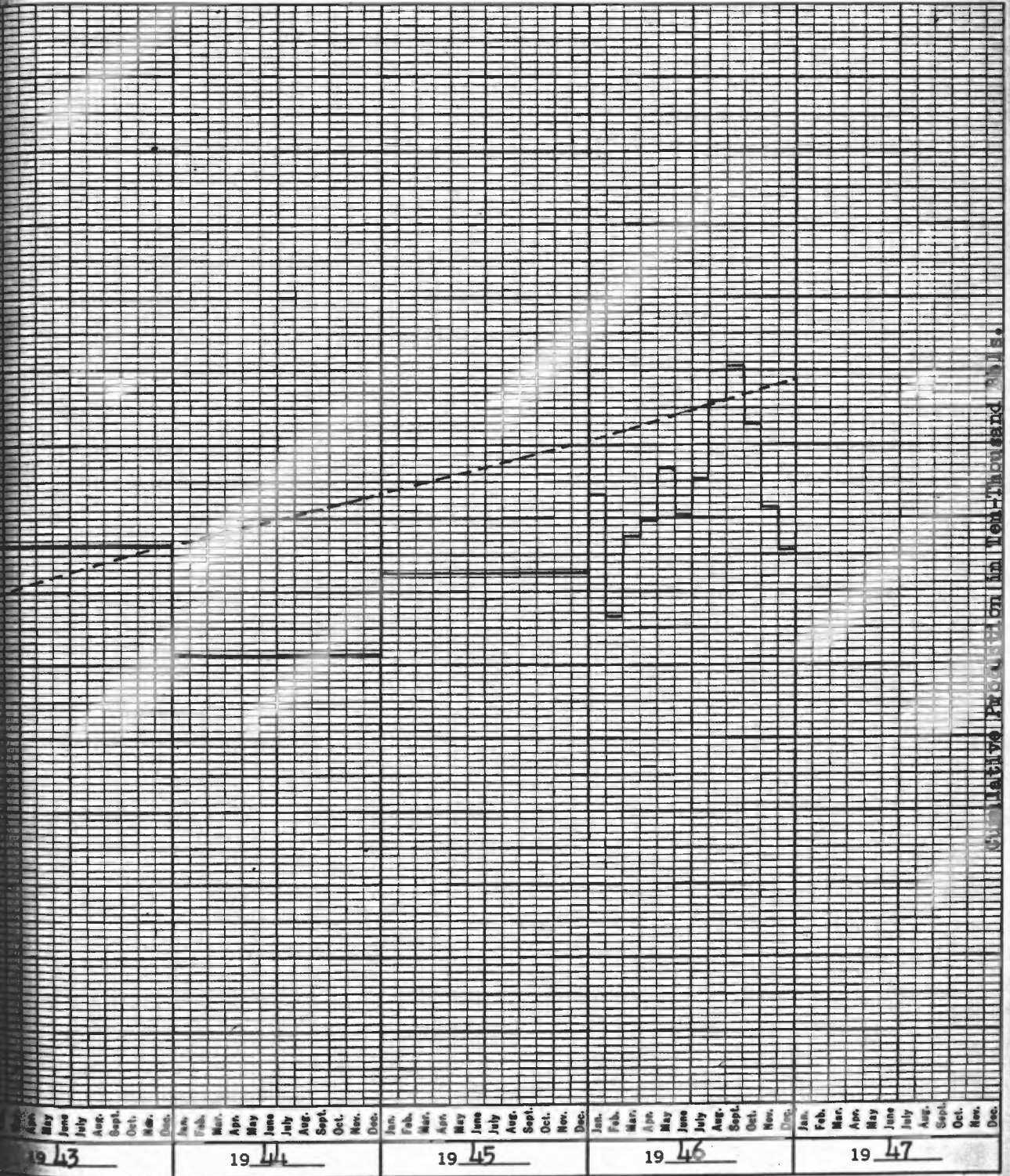
GAS PRODUCTION: none reported

WATER PRODUCTION: none reported

AREA OF PROVEN PRODUCTION: 3000 acres.

PER-ACRE RECOVERY to 1-1-47: 329 bbls.

EMPIRE POOL
Production Curves



Cumulative Production in Ten-Thousand Bbls.

Cumulative Production -----
Production Curve _____

SUBSURFACE COMPLETION DATA - EMPIRE POOL

COMPANY LEASE	W L	U I	S-T-R	COMP. DATE.	INITIAL DAILY PROD.			SHOT OR ACID AMT. INTERVAL		OIL STRING SIZE DEPTH		TUBING SIZE DEPTH			
					TEST	ELEV.	T.D.	T.P.							
ASTON - FAIR															
State 31	1X	D	31-17-28	5-27-46	MCF	1,090	3611	2254	1490		8 5/8	975			
BEDDINGFIELD, J. E.															
Brainard	1	O	25-17-27	12-27-46		P-3	3607	501	482	1000g	486-500	7	486	2	500
BRAINARD, FRED															
Brainard A	3	E	5-18-27	7-1-46		P-5	3476	1998)	1822	3000g	1540-1851	6 5/8	1540	2	1825
HOVER, A. H.															
Hastie	8	M	18-17-28	1-10-46		P-5	3578	582	535	80q	535-562	7	524	2	560
	13	N	18-17-28	1-31-46		P-10	3583	580)							
							PB	577)	562	1000g	562-577	7	538	2	568
	14	K	18-17-28	4-25-46		P-10	3569	567)	545	7000g	527-561	5 1/2	527	2	552
							PB	561)		40q	538-558				
KIENATH & BRAINARD															
Brekke-State															
	1	N	32-17-27	5-6-46		P & A	3453	2822							
SCONNELL, E. E.															
State A	2	J	30-17-28	6-1-46		P & A	3592	1800							

PRODUCTION DATA - EMPIRE POOL

COMPANY LEASE	W	U	S-T-R	J	F	M	A	J	J	S	O	N	D	CUMULATIVE PRODUCTION 1946	1-1-47 PROD.		
	E	N		A	R	R	M	U	U	A	E	O	N			D	
L I	L	T		N	B	H	L	Y	E	Y	G	T	T	V	C		
ACREY & ACREY																	
State 1-3	F		36-17-27	214	214	160	213	213		212				161	1,387	13,538	
BEDDINGFIELD, J. E.																	
Brooks 1	A		19-17-28			53					160	213	160	107	693)		
" 4-6-7																	
8-9	E		"	106	107	54	239	213	211	211	159	260	107	54	53	1,774)	7,697
State 1	B		36-17-27			107	53	106	106	106	212	212	214	215	108	1,439	1,439
BRAINARD, FRED																	
Brainard																	
" 1	K		5-18-27	533	315	310	160	366	519	302	316	444	230	266	200	3,961	67,578
" 2	L		"	532	315	309	160	366	519	302	317	445	230	266	200	3,961	76,476
Brainard A																	
3	E		5-18-27									446	230	265	199	1,140	1,140
Brainard B																	
1	I		6-18-27	586	207	181	325	330	245	199	317	360	315		352	3,417	14,539
BRAINARD & GUY																	
Brainard																	
1	K		6-18-27													251	251
BRAINARD OPERATORS (Flynn, Welch & Yates - Evarts)																	
Evarts 1	H		6-18-27	246	158	164	164	203	163	162	102	259	112	133	157	2,023	5,491
CUNNINGHAM, W. D.																	
Price 1	L		36-17-27														3,201
Featherstone																	
2	H		25-17-27														2,938
Quinn-State																	
1	E		30-17-28														11,579
CUNNINGHAM & PLOYHAR																	
State 1-2	D		30-17-28														17,670

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PRODUCTION DATA - EMPIRE POOL - continued

COMPANY	W	U	J	F	M	J	J	A	S	O	N	D	CUMULATIVE
LEASE	E	N	A	E	R	U	U	A	E	C	O	E	PRODUCTION
LEASE	L	I	A	E	R	N	L	U	P	T	V	C	1946
LEASE	L	T	S-T-R	N	B	H	L	Y	E	Y	G	T	1-1-47

DOOLEY, W. P.

Ramapo - State

1	K	36-17-27	105	52	54	160	106	106	105	53	106	54	54	107	1,062	8,846
3	J	"	52	52		53	53	52	53	53	53	53	53	54	581	5,215
4	N	"		52	52	53	106	53	53	53	53	53		54	582	2,745

EAST, C. L. & N. M. GRAY

State 1-2	A	24-17-27	214	161	160	160	159	159	212	159	319	383	375	215	2,676	5,544
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FULTON, E. L.

Conklin-State

1	G	36-17-27														11,951
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Luthy-State

1	A	"														715
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Hapman-State

2	B	"											161	161		1,001
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HADLOCK, FRANK

State 1	E	"														1,071
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HIGHTOWER, NAY & SONS

Berry

1-5-21	A	24-17-27	36	74	59	54	52	37	37	53	71	56	52	55	636	13,837
7-8	B	"	41	49	39	36	34	25	25	36	47	37	35	37	441	9,041
6-15-17	G	"	46	74	59	54	52	37	37	53	71	56	52	55	646	15,461
9-13-18	H	"	31	49	39	36	34	25	25	36	47	37	35	37	431	8,561
11-19	K	"	31	49	39	36	34	25	25	36	47	37	35	36	430	5,440
16	O	"	21	25	20	18	17	25	12	18	24	37	17	18	252	4,046

HIGHTOWER & PLOYHAR (Formerly Ployhar)

Spurck 1	I	24-17-27	40	80	63	157	110	117	140	241	200	217	137	163	1,665	16,901
" 2	F	"	54	40	63	76	136	116							485	9,472
3	G															834

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PRODUCTION DATA - EMPIRE POOL - continued

COMPANY	W	U		J	F	M	A		J	J	A	S	O	N	D	CUMULATIVE
LEASE	E	N	S-T-R	A	E	R	R	M	U	U	U	E	C	O	E	PRODUCTION
	L	I		N	B	H	L	Y	E	Y	G	T	T	V	C	1946
	L	T		N	B	H	L	Y	E	Y	G	T	T	V	C	1-1-47

HIGHTOWER & POTORFF (Formerly Potorff et al)

State Potorff

1 M 19-17-28

2,263

HOVER, A.H. (Formerly Baldwin-Reed Drlg. Co.)

Hastie 4-7 L 18-17-28

70 150 54 132 24 123 284 223 248 222 213 471 2,214 5,144

" 5-6-8 M "

70 225 106 137 24 123 568 448 496 557 533 471 3,758 10,628

" 13 N "

" 14 K "

Saunders

1-2-5-6 P 13-17-27

215 107 290 198 155 543 574 619 447 231 279 3,658 35,384

3 I "

10,307

Schneider-State

1 J 24-17-27

1,479

JOHNSTON, R. J.

Harbold 2 P 26-17-27

110

MAGRUDER, R. S.

State 1 E 36-17-27

2,059

MALCO REF. INC. (State 1-C Formerly Anderson-Roberts; 1A Formerly M. Hudson)

State A 1 D 2-18-27

184 61 62 122 61 122 120 61 60 62 915 4,208

" 3 D "

" B 1 L "

62 61 61 61 121 60 122 62 610 2,709

" C 1 E "

62 61 123 2,751

" E 1 K "

542

" D 1 F "

113 62 180 61 61 61 62 62 662 916

PATON BROS.

Magruder

1 J 35-17-27

41 20 47 31 26 32 31 44 30 43 29 31 415)

PRODUCTION DATA - EMPIRE POOL - continued

COMPANY	W	U		J	F	M	A	J	J	A	S	O	N	D		CUMULATIVE
LEASE	E	N	S-T-R	A	E	R	R	U	U	U	E	P	C	O	E	PRODUCTION
	L	I		N	B	H	L	Y	E	Y	G	T	T	V	C	1946
	L	T		A	B	H	L	Y	E	Y	G	T	T	V	C	1-1-47
PATON BROS. (continued)																
Magruder - continued																
	2	L	35-17-27	41	31	47	31	26	32	31	44	30	44	30	31	418)
	3	K	"	42	31	47	31	26	32	31	44	31	44	30	31	420)
	4-5	P	"	84	62	95	63	52	66	64	89	62	88	60	63	848)
Russell																
	1-3-6	N	"	288	126	276	229	153	180	192	223	115	114	143	93	2,132)
	2-4-5-7	O	"	388	169	371	308	206	241	260	300	314	310	491	255	3,613)
State																
	1-2-3-4	C	2-18-27	168	82	172	167	167	119	83	176	154	122	196	106	1,712)
State-Wright																
	1-2	B	"	129	127	235	163	129	106	146	183	164	163	179	127	1,851) 215,635
ROBERTS, OTIS A.																
State																
	1-1A	P	24-17-27													15,917
	3A	L	19-17-28													6,636
C State																
	2-3	A	25-17-27													378
Patterson-State																
	1-2	P														1,506
SIMON, JULIAN E. (Formerly McGinley & Hartwell)																
*Brainard																
	3-7-8	P	5-18-27	61	61	242	180	121	61	60	241	241	182	183	62	1,695
	*Mann	4	M 4-18-27	61		123	61	126	120	60	56	123	121	131	62	1,044
	Mann B	1	P 3-18-27	30	90	60	91	60	60	60	61	61	60	61	31	725
	"	2	P "	30	91	61	90	61	60	60	60	61	61	62	31	728

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* CUMULATIVE PRODUCTION GANT & SIMON PROPERTIES - figure on next page.

PRODUCTION DATA - EMPIRE POOL - continued

COMPANY	W U	J	F	M	A	J	J	A	S	O	N	D	CUMULATIVE
LEASE	E N	A	E	R	R	M	U	U	A	E	O	N	PRODUCTION
	L I	S-T-R	N	B	H	L	Y	E	Y	G	T	V	1946
	L T												1-1-47

SIMON, JULIAN E. (Formerly McGinley & Hartwell) - continued

*Pitcher

1 A 8-18-27 121 181 121 213 121 121 182 120 183 122 182 62 1,729

GANT, WALTER H.

*Vandergriff

1 I 8-18-28 120 61 240 61 60 183 122 182 62 61 1,152

273,321*

SHALLOW ROCK OIL CO.

Hastie 3 P 18-17-28

227

SOUTHERN UNION GAS CO.

Stephens

1 P 19-17-28 696 685 887 813 1136 865 883 929 676 883 680 447 9,580 14,997

State 6 I " 666 675 667 753 1246 1082 900 1092 867 900 637 671 10,156 15,965

" 8 K " 54 52 54 160 160

" 9 O " 440 224 440 178 401 167 222 352 228 216 208 398 3,474 3,919

VANDAGRIFF, LEE

Kaiser 1 J 7-18-27 120 62 106 61 62 62 473 5,084

WILLIAMS & PLOYHAR

Barrentos

2 G 35-17-27 587

WILLIAMS, PLOYHAR & MONTIETH

Harbold 4 H 35-17-27 127

WILLIAMS, PLOYHAR & WILLIAMS

Harbold 3 F 35-17-27 61 60 121 6,463

* CUMULATIVE PRODUCTION GANT & SIMON PROPERTIES

FIELD TOTAL 6946 5541 6445 6647 7237 6695 7120 7997 8736 7743 6801 6321 84,229 987,390

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FENTON POOL

LOCATION: T. 21 S., R. 28 E. All sec. 15.

DISCOVERY DATE: August 1943.

DISCOVERY WELL: Schuster & Messinger No. 1 Page, SW 1/4 NW 1/4 sec. 15-21-28. T.D. 2649' in Delaware. Initial potential, pump 20 bbls. oil per day.

GRAVITY OF OIL: 40° API.

AVERAGE THICKNESS OF PAY ZONE: 16'.

PRODUCING FORMATION: Delaware.

AVERAGE PRODUCING DEPTH: 2649'.

DEEPEST TEST: Yates & Nix No. 1 Mathews, NE 1/4 SE 1/4 sec. 21-21-28. T.D. 3525' P. & A.

OIL WELLS, as of 1-1-47:

Flowing	0
Pumping	0
Gas lift	0
Shut in	1

GAS WELLS: 0

ABANDONED WELLS: 4

TOTAL WELLS DRILLED: 5

OIL PRODUCTION: 1946

No. of producing wells 0

Yearly production 0

Cumulative production to 1-1-47: 1,020 bbls.

GAS PRODUCTION: none reported.

WATER PRODUCTION: none reported.

AREA OF PROVEN PRODUCTION: 40 acres.

PER-ACRE RECOVERY to 1-1-47: 25 bbls.

Probably water-drive type reservoir.

NO PRODUCTION IN 1946

CUMULATIVE PRODUCTION DATA

COMPANY	LEASE	WELL	UNIT	S-T-R	CUMULATIVE 1-1-47
SCHUSTER - MESSINGER	Page	1	E	15-21-28	1,020
				TOTAL	1,020

FREN POOL

LOCATION: T. 17 S., R. 30 E. All secs. 22 to 27 incl.
T. 17 S., R. 31 E. All secs. 19, 20, 21, 22, 29, 30.

DISCOVERY DATE: By order effective January 1, 1945, pool established and defined by New Mexico Oil Conservation Commission.

DISCOVERY WELL: The wells in the Fren pool originally were included in Grayburg-Jackson pool.

GRAVITY OF OIL: 35.5° API.

AVERAGE THICKNESS OF PAY ZONE: 34'.

PRODUCING FORMATION: Seven Rivers.

AVERAGE PRODUCING DEPTH: 1880' to 2280'.

DEEPEST TEST: See Grayburg-Jackson pool data for deep test in area.

OIL WELLS, as of 1-1-47:

Flowing	32
Pumping	21
Gas lift	0
Shut in	0
GAS WELLS:	0
ABANDONED WELLS:	0
TOTAL WELLS DRILLED	<u>53</u>
OIL PRODUCTION	<u>1946</u>
No. of producing wells	53
Yearly production	276,819
Cumulative production to 1-1-47:	683,405 bbls.

GAS PRODUCTION: estimated, cumulative to 1-1-47, 1025 million cu.ft.

WATER PRODUCTION: none reported.

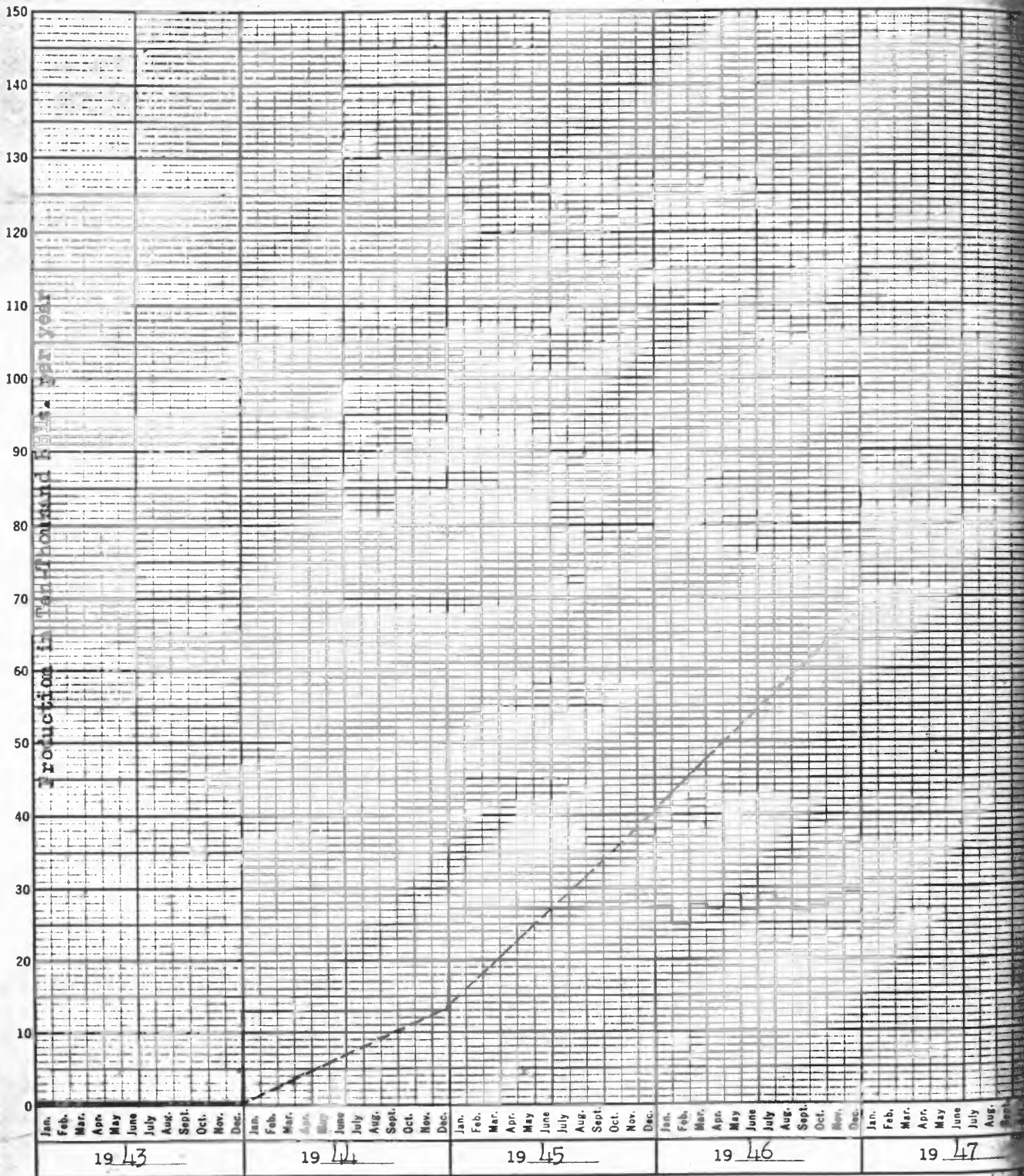
AREA OF PROVEN PRODUCTION: 2120 acres.

PER-ACRE RECOVERY to 1-1-47: 325 bbls.

GAS-OIL RATIO: estimated, as of 1-1-47, 1500/1.

Internal gas-drive type reservoir.

FREN POOL Production Curves



Cumulative Production-----
 Production Curve _____

SUBSURFACE COMPLETION DATA - FREN POOL

COMPANY LEASE	W U E N L I L T		S-T-R	COMP. DATE	INITIAL DAILY PROD. TEST	ELEV.	T.D.	T.P.	SHOT OR ACID		OIL STRING		TUBING	
	AMT.	INTERVAL							SIZE	DEPTH	SIZE	DEPTH		
CARPER DRG. CO.														
Gissler B	4	F	23-17-30	3-23-46	F-35	3661	1946	1860	340q	1825-1910	7	1745	2	1864
DANCIGER OIL & REF. CO.														
Turner B	21	O	20-17-31	2-11-46	F-75	3715	2139	2054	260q	2054-2120	7	2039	2	2137
"	22	A	29-17-31	5-15-46	F-40	3746	2242	2180	110q	2180-2225	5 1/2	2165	2	1990
"	23	D	"	9-15-46	F-25	3625	2102	2020	130q	2020-2070	5 1/2	1995	2	1990
PB2070														
FREN OIL CO.														
Max Friess	6	O	19-17-31	9-10-46	P-112	3591	2020	1900	320q	1900-2000	7	1818	2	1995
"	7	N	"	11-20-46	P-85	3586	2023	1940	320q	1910-2010	7	1817	2	1940
"	8	K	"	12-21-46	P-60	3613	2021	1885	320q	1879-1979	7	1792	2	1946
PREMIER PET. CORP.														
Arnold D	4	C	27-17-30	5-30-46	F-49	3628	2011	1953	400q	1920-2005	7	1850	2	1950
SKELLY OIL CO.														
Dow B	9	L	21-17-31	3-11-46	P-35	3766	2139	2088	100q	2080-2135	8	2090	2	2135
"	10	M	"	7-13-46	F-32	3794	2210	2140	100q	2165-2200	8 5/8	2131	2	2201
"	12	K	"	10-24-46	F-50	3812	2200	2185	120q	2180-2200	8 1/4	2117	2	2170
"	13	J	"	12-17-46	F-41	3814	2235	2220	120q	2185-2231	8 5/8	2130	2	2230
WOOLEY, R.R.														
Arnold A	8	M	23-17-30	6-28-46	F-35	3658	2000	1913	280q	1904-1973	7	1825	2	1910
PB1980														
"	9	N	"	9-2-46	P-11	3651	2003	1940	240q	1940-2003	7	1824	2	1968
Arnold B	8	B	27-17-30	3-28-46	F-30	3626	1981	1905	240q	1905-1981	7	1805	2	1938

PRODUCTION DATA - FREN POOL

COMPANY LEASE	W L	U I T	S-T-R	J A N B	F E B	M	A	M A Y	J	J	A U G	S	O C T	N O V	D E C	PRODUCTION 1946	CUMULATIVE PROD.. 1-1-47
						R C H	P I L		U N J U L	E P T							
BRYD-FROST (Formerly P.B. English)																	
State	1	E	30-17-31	492	369	446	370	448	341	290	273	286	260	343	253	4,171	10,924
"	2	D	"	69		371			256		232		150		299	1,377	2,065
CARPER DRUG. CO.																	
Gissler B																	
	4	F	23-17-30					644	441	409	412	218	420	214		2,758	2,758
DANCIGER OIL & REFINING CO.																	
Friess	1	B	30-17-31	55	391	214	229	222	228	224	222	223	221	222	215	2,666	8,244
Turner	16	H	19-17-31	963	606	584	599	594	480	599	481	480	477	358	589	6,810	27,452
"	17	G	"	963	606	584	600	595	480	599	481	481	477	358	590	6,314	20,493
"	18	E	"	964	606	584	600	595	480	600	482	481	478	358	590	6,818	14,026
"	19	F	"	964	606	584	600	595	481	600	482	481	478	358	590	6,819	14,030
Turner B																	
	12	L	20-17-31	623	554	645	641	763	618	614	599	573	536	542	556	7,264	28,156
	13	M	"	623	554	645	641	763	618	614	599	573	536	542	556	7,264	24,769
	14	N	"	623	554	645	641	763	618	615	599	573	536	542	556	7,265	24,771
	15	E	"	623	555	646	641	763	618	615	599	574	537	542	556	7,269	22,739
	16	F	"	623	555	646	641	764	618	615	600	574	537	542	557	7,272	20,458
	17	K	"	623	555	646	641	764	618	615	600	574	537	542	557	7,272	18,059
	18	J	"	623	555	646	641	764	618	615	600	574	537	542	557	7,272	11,815
	19	I	"	624	555	646	641	764	618	615	600	574	537	542	557	7,273	9,776
	20	P	"	624	555	646	642	764	619	615	600	574	537	542	557	7,275	7,275
	21	O	"		555	646	642	764	619	615	600	574	537	542	557	6,651	6,651
	22	A	29-17-31						619	615	600	574	537	542	557	4,044	4,044
	23	D	"									537	542	557	1,636	1,636	

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PRODUCTION DATA - FREN POOL - continued

COMPANY	W	U		J	F	M	A	J	J	A	S	O	N	D	CUMULATIVE	
LEASE	E	N		A	E	R	P	U	U	U	E	C	O	E	PRODUCTION	
	L	I	S-T-R	N	B	H	L	Y	E	Y	G	T	T	V	C	1946
	L	T		N	B	H	L	Y	E	Y	G	T	T	V	C	1-1-47

FREN OIL COMPANY

Friess

1-6	O	19-17-31	668	407	599	577	570	522	155	522	752	1240	1200	1240	8,462	23,450
2-7	N	"	669	423	595	488	462	414	406	272	489	351	487	1240	6,296	20,037
3-8	K	"	669	638	726	700	582	534	500	705	519	396	510	472	6,951	19,707
4	I	"	669	674	762	743	670	622	730	755	759	528	750	499	8,161	23,948
5	P	"	669	695	798	788	662	614	667	725	759	530	750	500	8,157	24,329

MIZEL & RANDEL

Friess	2	J	19-17-31	586	423	378	377	558	563	374	553	540	372	557	368	5,649	16,514
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NASH-WINDFOHR & BROWN

Gissler B

5	J	23-17-30	234	229	223	464	223	219	223	233	224	422	222	207	3,123	5,764
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Jackson B

12	I	24-17-30	398	394	366	297	330	323	295	325	289	286	327	245	3,875	16,326
13	P	"	398	394	733	593	658	645	589	650	578	573	654	490	6,955	17,373
14	J	"	398	394	733	593	658	645	589	651	578	573	654	490	6,956	15,373
16	H	"	379	394	366	296	330	323	294	325	290	286	327	246	3,856	9,194

PREMIER PET. CORP.

Arnold D

4	C	27-17-30						194	385	215	378	293	206	379	2,050	2,050
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RANDEL, O.H.

State	1	L	19-17-31	758	478	564	556	463	548	546	372	462	551	458	372	6,128	19,092
	2	M	"	760	478	564	556	464	548	546	372	462	551	458	372	6,131	18,168

REPOLLO OIL CO.

Parke B	2	L	23-17-30	558	362	549	366	558	549	365	555	368	551	555	366	5,702	13,605
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PRODUCTION DATA - FREN POOL - continued

COMPANY LEASE	W E L	U N I T	S-T-R	J A N	F E B	M A R C H	A P R I L	M A Y	J U N E	J U L Y	A U G	S E P T	O C T	N O V	D E C	PRODUCTION 1946	CUMULATIVE PROD. 1-1-47
SCHUSTER, FULTON & HADLOCK																	
Friess	1	C	30-17-31	198	456	239	356	375	123	265	301	265			292	2,870	8,469
	2	F	"	174	228	119	177	255	96	161	150	132		217	146	1,855	6,830
SKELLY OIL CO.																	
Dow B	8	C	21-17-31	783	896	905	852	1150	896	1297	930	908	905	1050	1042	11,614	25,034
	9	L	"		1012	1116	1021	1154	897	1298	931	699	930	511	577	10,146	10,146
	10	M	"							420	725	722	764	810	754	4,195	4,195
	12	K	"											871	887	1,758	1,758
	13	J													283	283	283
Lynch A	3	C	22-17-31	465	336	248	164	161	174	328	161	161	172	168	162	2,700	8,481
WOOLLEY, R. R.																	
Arnold A																	
	5	P	22-17-30	779	480	729	393	421	426	473	401	351	466	386	519	5,824	27,423
	6-9	N	23-17-30	699	321	591	477	441	426	469	422	582	604	492	476	6,000	20,655
	8	M	"							833	487	387	660	458	544	3,369	3,369
Arnold B																	
	6	O	22-17-30	485	283	670	632	722	605	595	707	491	553	443	430	6,616	16,813
	8	B	27-17-30				484	575	454	471	592	390	569	470	482	4,487	4,487
McIntyre H																	
	5-6	K	23-17-30	1266	1055	1096	891	1052	825	868	859	656	834	660	598	10,660	20,372
FIELD TOTAL																	
				22741	20181	23122	22622	24179	22376	24258	23564	22346	23160	23572	24698	276,819	683,405

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FORREST POOL

LOCATION: T. 16 S, R. 29 E. S 1/2 sec. 26, S 1/2 sec. 27. All
secs. 34 & 35.

DISCOVERY DATE: December 1945.

DISCOVERY WELL: Forrest E. Levers No. 1 Levers B. SE 1/4 NE 1/4
sec. 34-16-29. Total Depth 3029.
Plugged back to 2675'. Top Pay 2632'.
Initial potential, flow 64 bbls. oil
per day. Top Salado 425', Base Salado
875', Top Queen 1814'. Elevation 3561'.

GRAVITY OF OIL: 34° API.

AVERAGE THICKNESS OF PAY ZONE: 27'.

PRODUCING FORMATION: San Andres.

DEEPEST TEST: Forrest Levers, No. 4, Levers B, NW 1/2 NW 1/2 sec.
35-16-29. T.D. 3200, P.B. 3090'.
T.P. 3060'. Top Rustler 190', Top
Salado 405'. Base Salado 855'. Top
Queen 1825'. Elevation 3666'.

OIL WELLS, as of 1-1-47:

Flowing	3	
Pumping	0	
Gas lift	0	
Shut in	0	
GAS WELLS:	0	
ABANDONED WELLS:	1	
TOTAL WELLS DRILLED:	4	
OIL PRODUCTION:		<u>1946</u>
No. of producing wells		3
Yearly production		14,015
Cumulative production to 1-1-47:		14,015 bbls.

SUBSURFACE COMPLETION DATA - FORREST POOL

COMPANY LEASE	W E L L	U N I T	S-T-R	COMP. DATE	INITIAL DAILY PROD. TEST	ELEV.	T.D.	T.P.	SHOT OR ACID AMT. INTERVAL	OIL STRING SIZE DEPTH	TUBING SIZE DEPTH
LEVERS, F. E. Levers B	2	A	34-16-29	2-28-46	F-144	3664	2684	2630	70q 2641-2681	5 1/2 2573	2 2515
	3	O	34-16-29	6-2-46	P & A	3663	3040				
	4	D	35-16-29	9-15-46	F-25	3666	3200	3060	3067-3080 2622-2724	5 2520	2 2620
							PB3090				

PRODUCTION DATA - FORREST POOL

COMPANY LEASE	W E L L	U N I T	S-T-R	J A N U A R Y	F E B R U A R Y	M A R C H	A P R I L	M A Y	J U N E	J U L Y	A U G U S T	S E P T E M B E R	O C T O B E R	N O V E M B E R	D E C E M B E R	CUMULATIVE PRODUCTION 1946	CUMULATIVE PROD. 1-1-47
LEVERS, FORREST E. Levers B	1	H	34-16-29			699	1009		607	930	721	707	629	325	310	5,937	5,937
	2	A	"			700	1010		606	929	721	708	600	762	840	6,876	6,876
	4	D	35-16-29										600	302	300	1,202	1,202

FIELD TOTAL

1399 2019

1213 1859

1442 1415

1829 1389

1450

14,015

14,015

GETTY POOL

LOCATION: T. 20 S., R. 29 E. SW 1/4 sec. 13, SE 1/4 sec. 14, E 1/2 sec. 23, W 1/2 sec. 24, NW 1/4 sec. 25, NE 1/4 sec. 26.

DISCOVERY DATE: November 1927

DISCOVERY WELL: Getty Oil Co. No. 2 Dooley, NE 1/4 NE 1/4 sec. 23-20-29. T.D. 1368' in porous limestone of Yates. Initial potential, pump 100 bbls. oil per day.

GRAVITY OF OIL: 19° to 24° API. SULFUR: 0.9%.

AVERAGE THICKNESS OF PAY ZONE: 15'.

PRODUCING FORMATION: Limestone of lower Yates and upper Seven Rivers.

AVERAGE PRODUCING DEPTH: 1325' to 1405'.

DEEPEST TEST: Getty Oil Co. No. 7 Dooley, SW 1/4 NW 1/4 sec. 24-20-29. T.D. 6683'. PB 1430'. Completed as commercial producer. Top Salado, 400'; Base Salado, 960'; Top Yates, 1130'; Top Bone Springs, 6264'. Elevation 3309'.

OIL WELLS, as of 1-1-47:

Flowing	0
Pumping	8
Gas lift	0
Shut in	1
GAS WELLS:	0
ABANDONED WELLS:	1
TOTAL WELLS DRILLED:	<u>10</u>
OIL PRODUCTION:	<u>1946</u>
No. of producing wells	8
Yearly production	50,680
Cumulative production to 1-1-47:	797,670

GAS PRODUCTION: none reported.

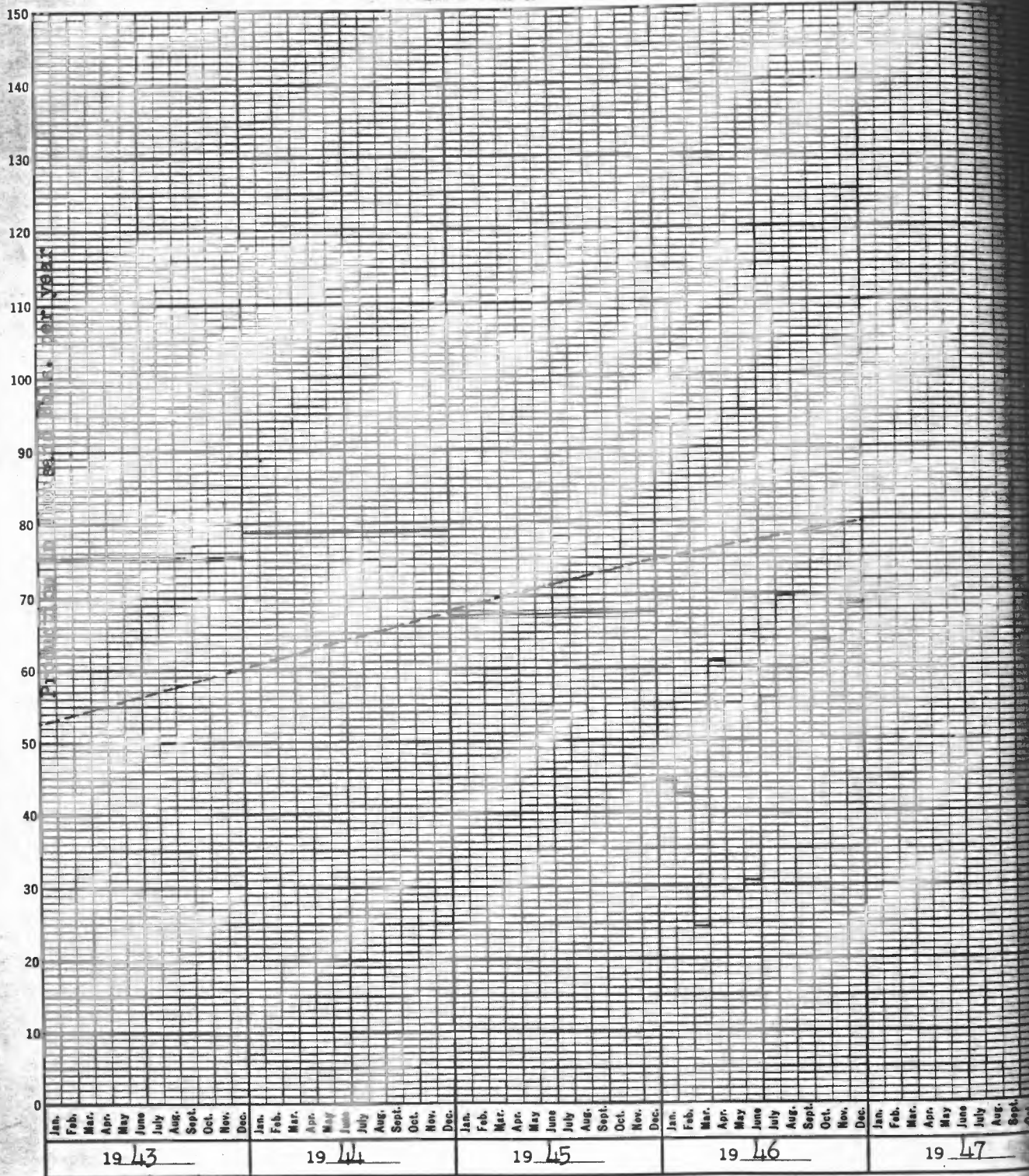
WATER PRODUCTION: none reported.

AREA OF PROVEN PRODUCTION: 320 acres.

PER-ACRE RECOVERY to 1-1-47: 2492 bbls.

Combination drive type reservoir.

GETTY POOL Production Curves



Cumulative Production - - - -
 Production Curve - - - -

PRODUCTION DATA - GETTY POOL

COMPANY LEASE	W E L	U N I T	S-T-R	J A N U A R Y	F E B R U A R Y	M A R C H	A P R I L	M A Y	J U N E	J U L Y	A U G U S T	S E P T E M B E R	O C T O B E R	N O V E M B E R	D E C E M B E R	PRODUCTION	CUMULATIVE		
																1946	1-1-47		
PACIFIC WESTERN OIL CORP. (Formerly Getty Oil Co.)																			
Dooley	2	A	25-20-29	1124	1268	612	1552	724	768	984	670	647	801	719	901	10,770)			
	3	D	24-20-29	401	323	219	544	259	275	593	801	396	493	421	503	5,228)			
	4	G	23-20-29	126	153	69	169	82	86	640	729	208	300	188	285	3,035)			
	6	L	24-20-29	208	227	114	282	134	142	522	972	668	524	744	931	5,468)			
	7	E	"	881	710	481	1195	569	603	983	1420	1668	2258	1942	2294	15,004)	732,115		
	8	I	23-20-29	431	348	235	585	279	295	475	806	396	499	423	504	5,276	26,087		
	9	P	"	338	274	185	489	218	232	427	708	208	321	195	240	3,835	22,702		
	10	M	24-20-29	208	249	114	283	134	144	117	582	64	104	34	81	2,064	8,316		
Nicholas	1	D	25-20-29														7,507		
Rowson	1	N	13-20-29														943		
FIELD TOTAL				3717	3552	2029	5099	2399	2545	4741	6638	4255	5300	4666	5739	50,680	797,670		

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GRAYBURG-JACKSON POOL

LOCATION: T. 17 S., R. 29 E. S 1/2 sec. 13, S 1/2 sec. 14, all secs. 20 to 29, incl., N 1/2 sec. 32, N 1/2 sec. 33, N 1/2 sec. 34, N 1/2 sec. 35.
 T. 17 S., R. 30 E. S 1/2 sec. 12, all secs. 13, 14, 15, 16, 17, S 1/2 sec. 18, all secs. 19, 20, 21, N 1/2 sec. 22, N 1/2 sec. 23, N 1/2 sec. 24, N 1/2 sec. 29, all secs. 30.
 T. 17 S., R. 31 E. S 1/2 sec. 7, S 1/2 sec. 8, S 1/2 sec. 9, all secs. 14 to 18, incl., N 1/2 sec. 19, N 1/2 sec. 20, all secs. 21, 22, 23, N 1/2 sec. 26, N 1/2 sec. 27, N 1/2 sec. 28.

DISCOVERY DATE: March 1929.

DISCOVERY WELL: Flynn, Welch & Yates No. 1 Jackson, SE 1/4 NE 1/4 sec. 13-17-30. T.D. 3560' in San Andres. Initial potential, 260 bbls. oil per day. Top Salado, 518'; Base Salado, 1265'; Top Yates, 1416' (estimated); Top Queen, 2350'; Top San Andres, 3070'.

GRAVITY OF OIL: 35.5° API.

AVERAGE THICKNESS OF PAY ZONE: 45'.

PRODUCING FORMATION: Dolomitic limestone of San Andres, also sand and limestone of Grayburg and Queen.

AVERAGE PRODUCING DEPTH: Queen, 2050' to 2125'; Grayburg and San Andres, 2350' to 3975'.

DEEPEST TEST: Grayburg Oil Co. No. 10 Keely A, sec. 24-17-29. Commenced 1945. Completed October 1946. T.D. 6866'. Temporarily abandoned. Correlation markers not released.

OIL WELLS, as of 1-1-47:

Flowing	198
Pumping	74
Gas lift	0
Shut in	6

GAS WELLS:

Input	7
Producing	0
Shut in	0

ABANDONED WELLS:

1

TOTAL WELLS DRILLED:

286

OIL PRODUCTION:

1946

No. of producing wells

272

Yearly production

1,719,874

Cumulative production to 1-1-47: 18,055,126 bbls.

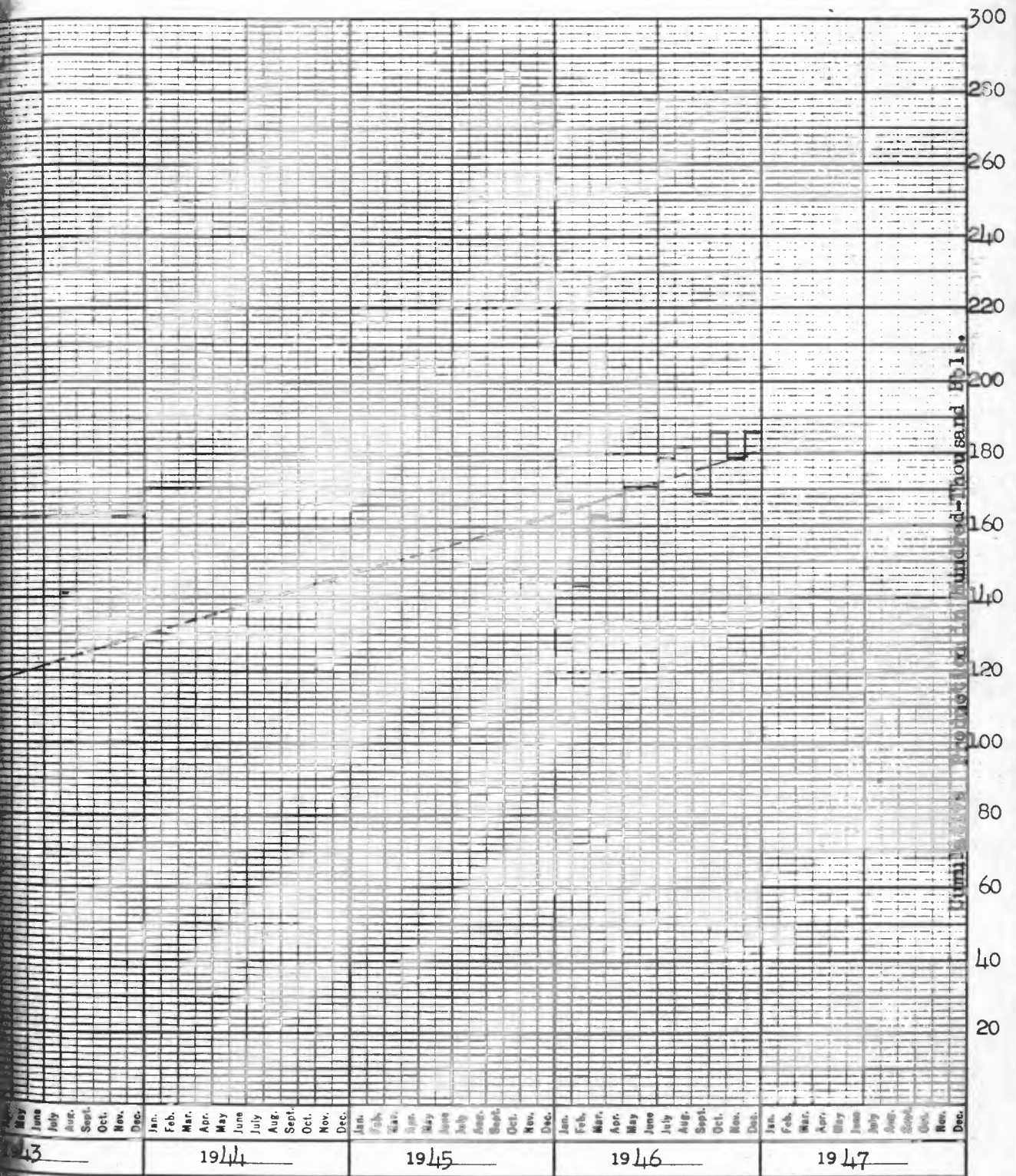
GAS PRODUCTION: estimated, cumulative to 1-1-47, 27,270 million cu. ft.

WATER PRODUCTION: small (none reported).

AREA OF PROVEN PRODUCTION: 11,080 acres

PER-ACRE RECOVERY to 1-1-47: 1629 bbls.

GRAYBURG-JACKSON POOL
Production Curves



--- Cumulative Production
 — Production Curve

SUBSURFACE COMPLETION DATA - GRAYBURG-JACKSON POOL

COMPANY LEASE	W E L	U N I T	S-T-R	COMP. DATE.	INITIAL DAILY PROD. TEST	ELEV.	T.D.	T.P.	SHOT OR ACID AMT. INTERVAL	OIL STRING SIZE DEPTH	TUBING SIZE DEPTH
AMERICAN REPUBLICS CORP.											
Robinson A	3	D	35-17-29	4-18-46	F-129	3561	3140	2979	6000g 2979-3140	7 2941	2 3134
"	4	G	34-17-29	9-26-46	P-106	3516	3178	3100	6000g 3100-3178	7 2995	2 3138
"	5	P	27-17-29	9-2-46	F-158	3558	3020	2837	5000g 2832-3020	7 2832	2 2012
"	6	H	34-17-29	11-25-46	P-40	3547	3234	3080	11000g 3080-3205	7 3031	2 3185
"	7	I	27-17-29	12-20-46	F-133	3566	2975	2792	6000g 2768-2975	7 2768	2 2950
Robinson B	7	F	35-17-29	2-16-46	F-141	3533	3180	3050	7000g 3040-3180	7 3040	2 3168
"	8	K	27-17-29	5-29-46	F-163	3526	2950	2700	6500g 2700-2950	7 2690	2 2940
"	10	H	35-17-29	8-7-46	F-107	3559	3250	3125	3000g 3125-3250	7 3110	2 3240
"	11	C	35-17-29	10-13-46	F-120	3551	3135	3001	5000g 2990-3135	7 2980	2 3120
"	12	H	27-17-29	10-29-46	F-126	3573	2902	2700	6000g 2681-2890	7 2681	2 2890
CONTINENTAL OIL CO.											
State P-27	1	E	27-17-29	10-11-46	P-192	3542	2900	2640	7000g 2640-2850 PB2850 200qt 2720-2850	7 2717	2 2840
GRAYBURG OIL CO.											
Keeley A	11	I	24-17-29	12-6-46	F-115	3619	3133	2940	4500g 2927-3133	7 2865	2 3044
LEONARD OIL CO.											
State	13	I	28-17-29	4-24-46	F-96	3562	2780	2736	3000g 2736-2780	7 2736	2 2776
"	14	P	"	6-15-46	F-120	3550	2872	2806	7000g 2819-2872	7 2783	2 2785
SKELLY OIL CO.											
Dow B	11	D	28-17-31	10-31-46	F-40	3771	3724	3350	200qt 3345-3525 PB3528	7 3025	2 3518
Lea A	9	F	23-17-31	12-21-46	F-57	3870	3505	3520	250qt 3520-3621	7 3249	2 3617
Lynch A	4	J	22-17-31	2-18-46	P-45	3839	3790	3480	240qt 3480-3585 PB3590	7 3130	2 3527
WENTZ, L.H.											
State C	1	L	27-17-29	1-23-46	F-45	3536	PB2818	2720	150g Wash	7 2713	2 2875
"	2	M	"	4-27-46	F-72	3525	2968	2786	7100g 2770-2812	7 2796	2 2965

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SUBSURFACE COMPLETION DATA - GRAYBURG-JACKSON POOL - continued

COMPANY LEASE	W	U	S-T-R	COMP. DATE	INITIAL DAILY PROD. TEST	ELEV.	T.D.	T.P.	SHOT OR ACID		OIL STRING		TUBING	
	E	N							AMT.	INTERVAL	SIZE	DEPTH	SIZE	DEPTH
WESTERN PROD. CO.														
Keeley C	14	E	26-17-29	8-25-46	F-380	3577	3002	2756	1800g	2755-2837	7	2737	2	2795
"	15	L	"	9-24-46	F-320	3575	2882	2839	2600g	2813-2882	7	2801	2	2827
"	16	K	"	7-5-46	F-366	3575	3018	2840	2500g	2876-2918	7	2815	2	2913
"	19	J	25-17-29	3-15-46	F-102	3583	3155	3125			7	3102	2	3110
"	21	M	26-17-29	5-11-46	F-785	3568	2917	2898	2000g	2898-2917	7	2858	2	2902
"	22	N	"	7-31-46	F-216	3570	3111	2945	5500g	2945-3111	7	2876	2	2945
"	24	N	25-17-29	1-15-46	F-125	3587	3235	3217	4500g	3217-3235	7	3204	2	3226
YATES, S. P.														
Leonard	1	D	34-17-29	9-9-46	F-25	3527	3100	2932	5000g	2930-3073	7	2880	2	3070
"	2	E	34-17-29	9-19-46	F-300	3528	3127	3000	80qt	2930-2955	7	3000	2	3117
Robinson B	1	F	"	4-30-46	F-250	3515	3207	3060	4000g	3075-3207	7	3039	2	3204

PRODUCTION DATA - GRAYBURG-JACKSON POOL

COMPANY LEASE	W	U	J	F	M	A	J	J	A	S	O	N	D	CUMULATIVE PRODUCTION 1946	CUMULATIVE PROD. 1-1-47
	E	N													
Robinson A	2	A	34-17-29	151	79	79	156	100	79	159				803	89,668
	3	D	35-17-29				548	1070	635	842	625	218	667	475	5,080
	4	G	34-17-29									643	650	532	1,825
	5	P	27-17-29									877	1317	1556	3,750

AMERICAN REPUBLICS CORP.

Robinson A

2	A	34-17-29	151	79	79	156	100	79	159					803	89,668
3	D	35-17-29				548	1070	635	842	625	218	667	475	5,080	5,080
4	G	34-17-29									643	650	532	1,825	1,825
5	P	27-17-29									877	1317	1556	3,750	3,750

PRODUCTION DATA - GRAYBURG-JACKSON POOL

COMPANY LEASE	W	U	J	F	M	A	M	J	J	A	S	O	N	D	E	O	N	D	C	V	C	1946	CUMULATIVE PROD. 1-1-47
	E	N			A	R					R												

AMERICAN REPUBLICS CORP. - continued

Robinson A - continued

6	H	24-17-29																				532	532	532
7	I	27-17-29																						

Robinson B

1	A	27-17-29	308	337	430	334	359	316	311	432	312	176	400	345	4,060	42,566
2	B	"	154	169	213	110	139	118	135	212	119	46	200	108	1,723	23,987
3	P	"														10,471
4	A	35-17-29	1166	406	678	848	424	437	928	755	680	773	657	670	8,422	12,811
5	B	"	1166	408	1096	623	619	660	628	556	381	682	658	612	7,989	11,029
6	C	"	1359	1120	1299	973	1183	1065	1288	857	1089	1288	1149	959	13,629	13,629
7	F	"				813	1184	879	567	1101	639	1232	450	343	7,208	7,208
8	K	27-17-29							1497	1276	1281	1123	1332	1321	7,830	7,830
10	H	"								219	1089	1289	1150	998	4,745	4,745
11	C	35-17-29											715	780	1,495	1,495
12	H	"											731	860	1,591	1,591

Russell

4	D	18-17-31	635	518	670	596	610	405	553	391	370	547	527	528	6,550	113,035
5	E	"	345	322	453	386	407	237	300	250	269	299	314	280	3,862	112,402
6	C	"	788	618	770	729	733	707	787	721	668	681	609	677	8,488	149,131
7	F	"	789	617	779	730	733	707	787	722	669	681	610	677	8,492	148,608
8	G	"	790	617	771	730	734	707	788	721	668	681	610	677	8,494	78,287
9	B	"	790	617	771	730	734	706	788	721	668	681	610	678	8,494	75,367

ASTON & FAIR

Hudson	1	A	18-17-31	446	335	478	385	381	384	432	335	330	394	286	313	4,499	63,223
	2	H	"	447	335	478	385	381	384	432	335	330	394	286	313	4,500	61,135
	3	E	17-17-31	447	335	478	385	381	385	432	335	330	394	286	312	4,500	42,304
	4	D	"	447	335	477	385	380	385	432	334	329	394	387	312	4,497	33,588

BARNSDALL OIL CO.

Dodd A	1	N	22-17-29	226	190	214	210	188	175	196	173	157	163	200	200	2,292)
	2	I	"	368	330	372	370	341	351	390	370	338	291	350	322	4,193)
	3	H	"	45	40				68	160	41	212	129	181	189	1,065)
	4	P	"	484	393	400	418	502	426	483	216	467	450	487	333	5,059)

PRODUCTION DATA - GRAYBURG-JACKSON POOL - continued

COMPANY	W	U		J	F	M	A	J	J	A	S	O	N	D	CUMULATIVE
LEASE	L	T	S-T-R	A	E	R	P	U	U	U	E	C	O	E	PRODUCTION
	L	T	S-T-R	N	B	H	L	Y	E	Y	G	T	T	V	C
															1946
															1-1-47

BARNSDALL OIL CO. - continued

Dodd A - continued

5	O	22-17-29	45	37	40	40	32	30	31	30	81	31	45	100	542)
6	J	"	248	189	142	122	98	110	94	82	135	94	127	130	1,571) 334,693

CARPER DRUG. CO.

Gissler	1	C	23-17-30	341	418	499	388	391	514	354	581	387	342	300	562	5,077	58,181
	3	F	"	651	697	809	688	702	814	725	736	688	652	599	562	8,323	66,239

CONTINENTAL OIL CO.

State P-27

1	E	27-17-29										323	371	737	1,431	1,431
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DANCIGER OIL & REF. CO.

Turner A

2	L	18-17-31	790	747	843	880	857	838	906	847	844	801	820	843	10,016	149,021
3	K	"	790	747	843	880	857	838	906	847	844	801	820	843	10,016	149,711
4	M	"	790	747	843	880	857	838	906	847	844	801	820	843	10,016	149,711
5	D	19-17-31	790	747	843	880	857	838	906	847	844	801	820	843	10,016	148,438
6	N	18-17-31	790	747	843	880	857	838	906	847	844	801	820	844	10,017	85,711
7	C	19-17-31	790	747	843	880	858	838	906	847	844	801	820	844	10,018	84,273
8	O	18-17-31	791	748	843	880	858	838	907	848	844	800	820	844	10,021	81,352
9	B	19-17-31	791	748	843	880	858	838	907	848	844	800	820	844	10,021	76,990
10	J	18-17-31	791	748	843	880	858	838	907	848	844	800	821	844	10,022	72,934
11	P	18-17-31	791	748	843	880	858	839	907	848	845	800	821	844	10,024	73,701
12	A	19-17-31	791	748	843	880	858	839	907	848	845	800	821	844	10,024	67,855
13	I	18-17-31	791	748	843	880	858	839	907	848	845	800	821	844	10,024	63,378
14	E	19-17-31	791	748	844	881	858	839	907	848	845	800	821	844	10,026	62,733
15	F	"	791	748	844	881	858	839	907	848	845	800	821	844	10,026	59,445

PRODUCTION DATA - GRAYBURG-JACKSON POOL - continued

COMPANY LEASE	W	U	J	F	M	A	M	J	J	A	S	O	N	D	CUMULATIVE PRODUCTION 1946	CUMULATIVE PROD. 1-1-47
	E	N			A	P		U	U		E					
	L	I	A	B	C	I	A	N	L	U	P	C	O	E		
	L	T	S-T-R	N	B	H	Y	E	Y	G	T	T	V	C		

DANCIGER OIL & REF. CO. - continued

Turner B

1	P	17-17-31	1110	1133	1232	1183	1134	963	1178	1045	942	1011	1043	1067	13,041	101,248
2	M	"	1110	1133	1232	1184	1134	963	1178	1045	942	1011	1043	1067	13,042	77,062
3	D	20-17-31	1110	1133	1232	1184	1132	964	1178	1045	942	1011	1043	1067	13,043	74,521
4	N	17-17-31	1110	1133	1233	1184	1134	964	1178	1046	942	1011	1043	1067	13,045	70,015
5	L	"	1110	1133	1233	1184	1134	964	1178	1046	942	1011	1043	1068	13,046	66,267
6	G	20-17-31	1110	1133	1233	1184	1134	964	1178	1046	942	1011	1044	1068	13,047	65,858
7	O	17-17-31	1110	1133	1233	1184	1135	964	1178	1046	943	1011	1044	1068	13,049	65,205
8	B	20-17-31	1110	1133	1233	1184	1135	964	1179	1046	943	1011	1044	1068	13,050	60,582
9	A	"	1111	1133	1233	1184	1135	964	1179	1046	943	1012	1044	1068	13,052	59,575
10	G	"	1111	1133	1233	1184	1135	964	1179	1046	943	1012	1044	1068	13,052	57,406
11	H	"	1111	1134	1233	1184	1135	964	1179	1046	943	1012	1044	1068	13,053	53,983

ETZ BROS.

State-Humble

1	N	16-17-30	212	114	190	139	181	177	224	206	78	60	109	113	1,803	73,631
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State-Hansen

2	L	16-17-30	153	140	189	204	182	139	359	180	134	354	103	318	2,455	49,880
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State-Humble

3	K	16-17-30	161	68	225	175	243	198	245	234	128	33	203	161	2,074	35,768
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4	P	"		170	125					210		432	331	262	1,530	48,771
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5-5A	I	"		59											59	23,029
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6	G	"	165	103	138	232		193	80		240	272	71	368	1,862	26,976
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7	F	"	138	105	50	204		172	103	168	184	168	43	337	1,672	20,656
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State-J 1	O	"	310	225	110	173	223	219	256	218	168	147	178	235	2,462	61,936
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2	J	"	176	141	382	243	267	268	369	277	232	135	127	224	2,841	32,451
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Etz-State

8	E	"	235	312	253	259	254	291	436	194	311	529	235	762	4,071	12,323
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PRODUCTION DATA - GRAYBURG-JACKSON POOL - continued

COMPANY LEASE	W L	U I	S-T-R	J A	F E	M R	A P	J M	J U	J U	A U	S E	O C	N O	D E	PRODUCTION 1946	CUMULATIVE PROD. 1-1-47
FLINT PRODUCTION CO.																	
Berry A	1	C	21-17-30	702	458	695	488	701	669	462	473	453	700	621	493	6,915	114,119
	2	F	"	315	206	285	200	287	274	189	194	204	287	335	444	3,220	84,499
	3	E	"	315	206	285	200	287	274	189	194	204	287	335	395	3,171	89,371
Dexter L	1	J	15-17-30														867
Flint B	1	M	14-17-30	438	439	451		445	445	442	446	410	418	417	435	4,786	112,598
Fenkins B	1	E	20-17-30			113		115		102		98		74		502	48,826
	2	D	"			91		91		83		74		50		389	43,423
	3	C	"			113		115		102		98		74		502	48,297
	4	F	"			113		115		102		98		74		502	29,598
FRANKLIN PET. CO.																	
McIntyre A	1	I	20-17-30	207		201	207	196	205	196	198		202	191	136	1,939	72,428
	3	J	"	231	231	218	208		230	210		216	228	202	168	2,142	28,653
McIntyre B	1	L	20-17-30	655	440	669	655	425	537	551	553	541	544	436	763	6,769	66,186
	2	M	"	654	440	668	655	424	537	550	552	541	543	436	762	6,762	19,421
GRAYBURG OIL CO.																	
Buroh A	2	L	19-17-30	496	363	660	441	366	540	443	481	460	568	562	473	5,853	160,659
	3	E	"	434	314	487	390	304	441	348	373	370	413	380	340	4,594	272,163
	4	F	"	1240	1073	1302	1200	1271	1204	1270	1271	1200	1240	1140	1178	14,589	419,606
	5	G	"	1240	1041	1295	1200	1271	1203	1271	1271	1200	1240	1200	1209	14,641	501,167
	6	H	"	650	492	703	550	470	660	542	577	520	528	470	472	6,634	220,584
	7	B	"	930	761	1096	792	722	830	651	642	730	694	700	591	9,139	172,968

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PRODUCTION DATA - GRAYBURG-JACKSON POOL - continued

COMPANY LEASE	W L	U I	S-T-R	J A	F B	M R	A R	P R	M A	J U	J U	A U	S E	O P	N C	D O	PRODUCTION 1946	CUMULATIVE PROD. 1-1-47
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GRAYBURG OIL CO. - continued

Burch A - continued

8	C	19-17-30																18,719
9	D	"	170	80	232	150	87	200	128	154	160	161	160	122			1,804	38,324
10	A	"	93	63	105	60	46	110	61	80	50	94	100	80			942	22,983
11	I	"	372	248	413	320	247	400	381	360	320	408	340	341			4,150	78,400
12	J	"	930	763	1098	860	822	1020	634	882	743	347	830	774			10,203	119,523
13	K	"	139	214	564	865	770	940	842	960	1000	1197	920	926			9,337	78,850
14	O	18-17-30	620	487	789	420	460	640	561	442	487	476	490	435			6,307	12,791

Burch B

1-13	N	19-17-30	234	170	421	58	255	206	89	153	74	211	69	262			2,202	40,537	
2	M	23-17-29	598	492	433	510	387	465	503	449	445	480	485	520			5,767	46,014	
3	L	"	412	345	298	350	301	383	259	301	200	296	425	364			3,934	38,045	
4	C	"																33,972	
5	K	"	598	498	432	510	386	460	503	449	440	478	487	520			5,761	37,800	
6	M	19-17-30	1240	1120	1240	1200	1295	1253	1271	1271	1140	1240	1160	1240			14,670	70,577	
7	G	23-17-29	722	614	538	600	550	579	640	620	570	601	632	613			7,279	45,055	
8	H	"	722	614	539	600	550	590	640	620	553	604	646	613			7,291	37,134	
9	D	30-17-30	1240	1084	1240	1200	1271	1230	1271	1271	1100	1239	1200	1240			14,586	44,627	
10	C	"	930	669	108	890	849	988	851	1082	700	1080	876	970			9,993	36,493	
11	E	"	581	395	944	570	539	680	513	641	450	619	574	560			7,066	29,544	
12	F	"	339	382	735	348	342	572	313	442	237	500	261	335			4,806	7,860	
Dexter	1	F	24-17-29	860	675	370	855	633	879	790	753	734	782	410	759			9,000	37,529
Heely A	2	H	"	405	260	267	390	201	318	266	372	350	249	245	304			3,627	320,695
	3	A	"	408	271	267	420	199	309	266	372	360	251	248	305			3,676	89,636
	4	G	"	520	312	425	480	277	458	266	373	350	250	243	307			4,261	67,480
	5	I	"	146														146	39,931
	6	L	"	1240	1120	1240	1230	1173	1200	1160	1258	1160	1240	1140	934			13,749	47,727
	7	K	"																33,153

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PRODUCTION DATA - GRAYBURG-JACKSON POOL - continued

COMPANY	W	U		J	F	M	A		J	J		S		N	D	CUMULATIVE
LEASE	E	N		A	E	R	P		U	U		E	O	O	E	PRODUCTION
	L	I	S-T-R	A	B	C	I		N	L	U	P	C	V	C	1946
	L	T		N	B	H	L		Y	E	Y	G	T	T		1-1-47

GRAYBURG OIL CO. (continued)

Keely A - continued

8	J	24-17-29		1240	1120	1240	1227	1172	1203	1271	1271	1250	1240	1200	1240	14,674	49,591
9	E	"		990	924	890	960	802	1200	902	1016	969	988	876	934	11,451	42,484
11	I	"												640	640		640
Keely B 1	B	26-17-29		1037	352	1100	950	890	1121	1007	930	895	898	744	867	11,291	47,821
2	N	24-17-29		1240	1120	1240	1200	742	1206	1402	1445	1200	1395	1200	1240	14,630	55,755
3	M	"		853	1041	948	485	638	872	287	486	498	634	399	516	7,657	42,986
4	A	26-17-29		1036	852	1101	941	889	1183	1007	930	888	899	747	865	11,338	35,684
5	D	25-17-29		1310	1118	1232	1200	1350	1238	1424	1653	1448	1408	1373	1459	16,213	46,736
6	C	"		1311	1117	1233	1200	1349	1230	1423	1652	1449	1408	1378	1460	16,210	48,229
7	G	26-17-29		1240	1120	1240	1242	1271	1220	1432	1627	1489	1395	1380	1395	16,051	29,287
8	H	"		1240	1120	1240	1239	1271	1228	1431	1625	1489	1395	1350	1395	16,023	37,306
9	J	"															18,831
10	I	"		1280	1125	1266	1141	1282	1217	1454	1716	1384	1387	1360	1458	16,070	33,191
11	O	"		1280	1126	1266	1156	1283	1211	1447	1715	1353	1387	1329	1458	16,011	18,741
12	P	"		1291	1126	1266	1149	1282	1241	1462	1736	1355	1392	1359	1457	16,116	18,847

LEONARD OIL CO.

State 9	F	22-17-29		106		105	100		107		99		113		102	732	2,930
10	M	"		107		106	100		108		99		114		102	736	18,240
11	O	28-17-29		1247		640	633	1180	1212	866	981	1083	977	864	1105	10,788	26,941
12	J	"		1535		654	633	1180	1212	867	981	1083	977	865	1104	11,091	11,750
13	I	"						657	511	326	423	287	139	279	365	2,987	2,987
14	P	"							345	733	868	574	316	614	511	3,961	3,961

Leonard-State

1	N	"		435	214	217			217	418	422	208	424	428	436	3,419	11,951
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MACEY, TALMADGE, CARL FOLKNER, TRUSTEE

State B 1	N	16-17-31		227	231	231	229	227	222	223	201		223	200		2,214	44,620
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PRODUCTION DATA - GRAYBURG-JACKSON POOL - continued

COMPANY LEASE	W L	U T	S-T-R	J A	F E	M R	A P	J U	J U	A U	S E	O C	N O	D E	CUMULATIVE PROD.		
																1946	1-1-47
MCLAUGHLIN, C. T. (Formerly W.K. Royalty Co.)																	
State B	1	G	16-17-31	96	329	440	456	446	464	495	404	200	446	251	61	4,088	55,898
	2	B	"	120	120	248	218	220	180	186	248	240	248	210	165	2,403	52,875
MURCHISON & CLOSUIT, INC.																	
State A	1	K	16-17-31	573	464	684	437	380	513	479	562	378	592	504	595	6,161	108,356
	2	L	"	559	441	656	427	514	555	565	735	494	526	619	531	6,622	81,359
B	1	J	"	769	622	728	605	625	606	546	506	415	124	228		5,774	111,836
	2	O	"	770	622	728	605	625	606	546	506	415	537	422	431	6,813	63,165
	3	P	"	1157	995	1201	1128	1177	1181	1280	1123	947	1528	1126	1126	13,969	38,450
C	1	H	"	237			229		225		223		230		170	1,314	35,273
Superior	1	I	17-17-31	330	228	337	221	333	208	221	326	222	334	227	332	3,319	44,715
	2	K	"	346	230	344	222	335	221	227	327	229	345	228	339	3,393	24,669
NASH, WINDFOHR & BROWN																	
Gissler A																	
	2	O	12-17-30	469	199	220		397	322	455	381	434	433	454	320	4,084)	
	3	N	14-17-30	187	80	88		159	130	183	152	174	175	182	129	1,639)	
	4	P	"	624	265	294		529	430	607	507	579	577	605	427	5,444)	
	5	I	"	312	133	147		264	215	303	254	289	289	302	213	2,721)	
	6	A	23-17-30	312	132	146		265	215	303	254	289	289	302	213	2,720)	
	7	O	14-17-30	312	132	147		264	215	303	254	290	288	302	213	2,720)	
	8	B	23-17-30	312	132	147		265	215	304	254	290	288	302	213	2,722)	
	9	H	14-17-30	125	53	59		106	86	122	100	116	115	121	86	1,089)	
	10	J	"	469	199	220		396	322	455	381	434	433	454	320	4,083)	
Gissler B																	
	1	L	"	382	407	252		405	390	336	265	294	243	283	181	3,438)	
	2	D	24-17-30	42	45	28		45	44	37	30	44	28	30	20	393)	1,190,444
Jackson A																	
	2	A	13-17-30	482	215	244	109	104	105	95	87	104	104	105	52	1,806	176,526
	3	J	"	482	250	347	731	728	597	623	616	571	654	672	558	6,829	182,701
	4	D	"	482	214	244	109	104	105	95	87	104	104	105	52	1,805	176,531
	5	G	"	482	214	244	679	651	653	596	545	648	651	655	328	6,346	181,078
	6	I	"	482	215	244	815	782	784	715	655	776	761	786	393	7,423	182,165
	7	O	"	482	251	347	732	729	596	623	617	571	654	672	558	6,831	182,701

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PRODUCTION DATA - GRAYBURG-JACKSON POOL - continued

COMPANY LEASE	W E L	U N I T	S-T-R	J A N B	F E B	M	A	J U N E	J U L Y	A U G	S E P	O C T	N O V	D E C	CUMULATIVE PRODUCTION 1946	CUMULATIVE PROD. 1-1-47	
						R C H	P R I L										M A Y
NASH, WINDFOHR & BROWN - continued																	
Jackson A - continued																	
	8	P	13-17-30	483	593	408	435	760	808	840	759	597	756	761	681	7,881	183,670
	9	B	24-17-30	483	348	279	270	506	539	560	506	398	504	507		4,900	178,940
	10	A	"	483	593	408	435	759	808	840	759	597	756	761	681	7,880	184,124
	11	H	13-17-30	483	214	243	217	210	209	191	175	207	209	210	105	2,673	68,118
	12	P	12-17-30	483	214	243	380	365	366	334	305	363	364	366	184	3,967	66,873
	13	N	"	483	214	244	408	391	392	357	327	389	390	393	197	4,185	63,281
Jackson B																	
	1	C	24-17-30	486	331	656	489	491	492	489	646	492	491	493	287	5,843	87,767
	3	G	"	486	331	328	244	246	246	245	323	246	246	247	144	3,332	49,609
Stevens A																	
	1	K	13-17-30	428	261	259	267	443	439	522	426	436	435	480	432	4,828	326,819
	2	L	"	291	148	189	293	432	285	289	284	290	292	293	288	3,374	232,740
	3	F	"			265	978	483	336	292	278	351	318	285	204	3,790	233,904
	4	M	"	677	344	390	683	1009	665	673	663	676	653	683	673	7,789	240,323
	5	N	"	549	391	441	399	664	657	784	640	655	682	721	650	7,233	239,197
Stevens B																	
	1	E	"	229		116	228	113	112	112	103	100	113	95	68	1,389	45,456
	2	C	"	330		116	229	114	113	113	103	99	114	95	69	1,495	45,573
PACIFIC WESTERN OIL CORP. (Formerly Getty Oil Co.)																	
	State E 1	M	16-17-31	513	537	527	347	521	356	528	539	183	553	133	371	5,108	76,092
PREMIER OIL CO.																	
Dexter E																	
	1	B	20-17-30	481	223	280	280	597	260	461	262	254	248	239	420	4,005	118,413
	2	G	"	373	195	154	140	267	169	324	186	163	185	180	356	2,692	101,333
McIntyre F																	
	1	I	17-17-30		416			431		448		391		411	2,097	17,342	
McIntyre G																	
	1	B	21-17-30	160	81	169	87	171	81	86	160	75	81	79	161	1,391	62,198
	Parke E 1	G	22-17-30		234		224		217		232		210		224	1,341	30,547

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PRODUCTION DATA - GRAYBURG-JACKSON POOL - continued

COMPANY LEASE	W L	U T	S-T-R	J A	F B	M H	A R	P I	M Y	J U	J U	A U	S E	O C	N O	D E	C C	1946	CUMULATIVE PROD. 1-1-47
Keel A	2	M	7-17-31	881	751	702	890	857	628	675	773	740	749	650	823	9,119	145,501		
	3	N	"	355	307	275	325	342	187	300	320	300	310	283	378	3,682	135,702		
	4	K	"	880	832	705	890	857	737	675	773	730	748	650	823	9,300	151,230		
	5	O	"	252	204	275	325	358	257	310	320	300	310	287	383	3,581	34,767		
	6	P	"	395	347	500	460	513	437	457	468	428	465	400	514	5,384	13,663		
	7	L	"	821	828	590	846	764	636	676	772	755	747	655	823	8,913	11,651		
Kell B	2	M	8-17-31	324	268	283	400	419	342	255	343	341	338	300	400	4,013	9,192		
	3	N	"	324	268	284	300	350	260	200	241	241	399	276	271	3,414	6,694		
	4	O	"	171	202	150	230	161	142	100	156	156	207	150	272	2,097	3,377		
McIntyre C	1	D	21-17-30	282	189	253	275	436	250	178	282	267	303	300	300	3,315	52,648		
	2	A	20-17-30	228	133	210	215	334	190	90	200	200	200	322	203	2,525	48,361		
	3	H	"	688	498	360	334	459	301	150	340	325	304	300	300	4,359	85,114		
McIntyre D	1	O	17-17-30	424	552	475	690	497	567	600	556	300	501	250	395	5,807	73,420		
	2	K	20-17-30	184	216	155	340	124	213	220	176	170	200	128	166	2,292	44,538		
	3	P	17-17-30	153	188	115	300	95	178	195	210	170	304	157	197	2,262	43,802		
	4	A	21-17-30	184	204	175	354	157	238	190	240	170	305	123	228	2,568	46,151		
	7	H	17-17-30	440	257	84	315	123	207	204	210	170	305	153	230	2,698	8,074		
Parke A	1	A	22-17-30	304	374	400	325	330	320	330	336	359	402	471	308	4,259	110,680		
	2	B	"	304	374	400	324	337	330	330	350	373	402	390	310	4,224	107,335		
	3	D	"	304	74	175	140	183	180	175	175	198	145	236	155	2,140	92,787		
	4	F	"	150	74	150	110	152	150	155	177	200	120	170	124	1,732	86,940		
	5	C	"	150	74	150	110	152	150	144	176	199	120	170	124	1,719	88,712		
	6	E	"	150	56	100	90	124	129	136	105	128	100	150	93	1,361	82,414		
	7	G	15-17-30	304	374	273	383	400	412	392	300	323	404	450	372	4,387	51,698		
	8	N	"	141	47	150	110	153	150	144	176	199	120	170	124	1,684	20,868		
Parke B	1	M	"	180	188	181	182	188	179	175	175	181	190	197	1,831	38,390			
Parke C	2	D	23-17-30	343	302	358	270	362	275	357	269	367	273	360	275	3,811	68,109		
	3	F	15-17-30	201	244	359	270	362	276	357	270	367	273	360	275	3,614	63,510		
Parke D	1	A	"	427	411	411	424	314	382	164	425	2,580	98,630						

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COMPANY LEASE	W L	U T	S-T-R	J A	F E	M C	A R	P I	M A	J U	J U	A U	S E	O P	N C	D O	E V	C O	N O	D C	CUMULATIVE	
																					PRODUCTION	PROD.

REPOLLO OIL CO. - continued

West 2 P 9-17-31 9,457

RESLER OIL CO. (Formerly Bay Petroleum Co.)

Leonard 1 C 33-17-29	358	362	225	224	438	331	402	216	410	210	407	335	3,918	14,513
1 B "	165		223		151	142	202		147	138	116		1,284	2,106

SKELLY OIL CO.

Dow A 1 O 15-17-31	310	336	310	243	207	261	185	156	352	182	288	280	3,110	48,757
2 M "	124	112	173	182	188	237	168	142	191	121	96	165	1,899	4,715
Dow B 1 A 28-17-31	620	560	406	463	392	331	369	390	296	382	257	322	4,788	36,194
2 C 21-17-31	775	980	561	578	525	442	492	519	427	499	377	446	6,621	49,947
3 D 21-17-31	1240	1120	1118	926	1071	883	1231	1058	822	1001	1126	906	12,502	56,274
4 E "	527	571	313	461	390	332	369	390	294	421	224	291	4,583	31,332
5 B "	930	840	591	695	653	551	615	649	526	653	525	605	7,833	37,266
6 F "	620	560	489	465	522	441	493	519	394	536	406	445	5,890	29,342
7 A "	775	700	489	580	654	552	616	649	528	614	375	447	6,979	24,759
11 D 28-17-31											855	603	1,458	1,458

Lea-State A

1 D 23-17-31	341	331	434	256	358	449	318	269	289	424	372	414	4,255	73,043
2 M 14-17-31	713	476	545	739	263	331	234	198	338	182	133	191	4,252	13,974
3 G 23-17-31	870	812	1240	937	1121	1147	916	795	820	970	827	961	11,416	23,384
4 C "	217	196	217	219	282	355	251	212	240	242	162	233	2,826	4,852
5 H "	1175	868	1240	942	1115	1148	917	795	962	1030	1019	1190	12,401	21,650
6 J 14-17-31	1237	868	930	876	695	502	564	505	723	545	574	891	8,910	13,595
7 A 23-17-31	310	280	372	513	331	344	268	231	290	303	160	234	3,636	5,187
8 P 14-17-31	1240	787	340	875	948	668	774	691	767	1093	663	484	9,330	9,950
9 F 23-17-31												153	153	153

Lea-State B

1 I 14-17-31	620	489	650	435	410	429	410	636	399	452	583	408	5,921	52,192
2 M 23-17-31	480	334	468	368	385	382	375	583	353	372	582	411	5,093	41,798

Lynch A

1 A 22-17-31	403	392	465	646	714	898	638	538	845	727	881	1056	8,203	186,896
2 E "		144		167		160	172		163		149	121	1,076	10,577
4 J "			620	571	375	474	335	283	281	242	73		3,254	3,254

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PRODUCTION DATA - GRAYBURG-JACKSON POOL - continued

COMPANY LEASE	W L	U T	S-T-R	J A N B	F E B	M R H	A P R L	J M Y	J U N E	J U L Y	A U G	S E P	O C T	N O V	D E C	PRODUCTION 1946	CUMULATIVE PROD. 1-1-47

SOLT, WALTER (Formerly Ohio Oil Corp.)

State-McCollough

1	M	16-17-30	414	392	402	333	387	421	387	361	248	325	442	432	4,544	123,693
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SUNRAY OIL CORP. (Formerly Superior Oil Co.)

Foster	2	J	17-17-31	422	268	314	314	326	343	331	323	252	306	405	305	3,909	20,406
	3	F	"	455	356	492	482	496	474	471	459	459	372	493	371	5,380	33,678
	4	C	"	455	356	486	466	478	473	471	460	358	333	440	331	5,107	19,500
	5	B	"	455	356	489	476	488	473	471	459	358	320	422	318	5,085	18,456

WENTZ, L. H.

State	C	1	L	27-17-29	668	217	1074	315	897	417	383	531	429	193	530	5,654	5,654
		2	M	"			574	1128	897	1200	1270	1242	1241	950	1240	9,742	9,742

WESTERN PRODUCTION CO.

Burch	C	1	E	23-17-29	326	223	108	321	219	205	326	224	222	215	292	208	2,889	42,529
		2	F	"	324	223	116	326	220	222	326	224	220	215	291	210	2,917	43,781
		3	O	19-17-30														19,595
		4	J	23-17-29	365	365	366	257	293	346	261	386	257	330	321	342	3,889	23,346
		5	P	19-17-30	616	449	908	425	434	827	439	454	680	454	453	804	6,943	35,305
		6	O	23-17-29	837	842	800	711	727	871	642	750	678	714	654	708	8,934	42,276
		7	I	"	366	370	355	241	293	342	260	382	260	328	321	343	3,861	19,205
		8	P	"	366	370	378	211	293	338	260	386	253	329	322	341	3,847	17,999
		9	B	30-17-30	439		438	450		365	391	441		422		367	3,313	10,851
Keely	C	1	D	26-17-29	790	760	678	780	764	1070	476	637	313	718	762	476	8,224	106,511
		4	P	24-17-29	1226	1116	1253	1196	1272	1233	1334	1441	1447	1303	1264	1317	15,402	64,586
		5	O	"	1227	1117	1252	1200	1273	1247	1334	1441	1442	1300	1265	1316	15,414	60,591
		6	C	26-17-29	1240	1120	1240	1269	1354	1248	1364	1364	1290	1302	1200	1240	15,231	61,128
		7	B	25-17-29	1242	1130	1250	1206	1274	1196	1290	1354	1279	1302	1273	1304	15,100	56,259
		8	A	"	1242	1130	1252	1210	1273	1190	1291	1354	1280	1302	1274	1306	15,104	54,278
		9	F	26-17-29	881	864	402	843	837	801	765	733	862	1116	723	712	9,539	14,837
		10	E	25-17-29	1271	1130	1240	1200	1278	1211	1374	1558	1282	1315	1241	1303	15,403	29,191

PRODUCTION DATA - GRAYBURG-JACKSON POOL - continued

COMPANY	W	U		J	F	M	A	J	J	A	S	O	N	D	CUMULATIVE
LEASE	E	N	S-T-R	A	E	A	R	U	U	U	E	C	O	E	PRODUCTION
	L	I		N	B	H	L	E	Y	G	T	T	V	C	1946
	L	T	S-T-R	N	B	H	L	E	Y	G	T	T	V	C	1-1-47

WESTERN PRODUCTION CO. - continued

Keely C - continued

11	F	25-17-29	1270	1129	1241	1202	1280	1216	1375	1558	1280	1316	1231	1305	15,413	33,369
12	G	"														25,345
13	H	"	1335	1136	1240	1196	1271	1200	1389	1544	1280	1290	1267	1291	15,439	38,824
14	E	26-17-29										1245	1262	1313	3,820	3,820
15	L	"										1245	1292	1335	3,872	3,872
16	K	"						1251	1249	1228	1346	1293	1341		7,708	7,708
17	L	"	1270	1129	1241	1201	1276	1212	1376	1558	1251	1317	1240	1302	15,373	25,630
18	K	"	1270	1130	1240	1203	1278	1219	1376	1558	1252	1315	1236	1303	15,380	36,083
19	J	25-17-29			643	1200	1270	1203	1389	1545	1257	1292	1267	1300	12,366	12,366
21	M	26-17-29					640	1216	1389	1541	1264	1339	1283	1336	10,008	10,008
22	N	"								1267	1265	1340	1283	1334	6,489	6,489
23	M	25-17-29	1392	1008	730	1211	1240	1251	1362	1560	1370	1365	1289	1336	15,114	20,300
24	N	"	640	1007	723	1209	1259	1254	1362	1561	1372	1366	1289	1333	14,375	14,375

YATES, S.P.

Leonard 1	D	34-17-29									473	955	500	832	2,760	2,760
2	E	"										955	1389	1108	3,452	3,452

Robinson B

1	F	"					1255	1095	947	985	1115	1059	769	1081	8,306	8,655
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FIELD TOTAL

143709	136293	143037	148946	140742	148910	1719,874	18055126
118786	134990	143101	151505	154658	155197		

HALE POOL

(GAS ONLY)

LOCATION: T. 20 S., R. 30 E. SW 1/4 sec. 12, NW 1/4 sec. 13.
DISCOVERY DATE: December 1940.
DISCOVERY WELL: Wills & Abell No. 1 Hale, SE 1/4 SW 1/4 sec. 12-20-30.
T.D. 1848'. PB 1553. Initial production, flow 5
MCF gas per day. Initial rock pressure, 650 lbs.
Top Rustler, 235'; Top Salado, 575'; Base Salado,
1453'; Top Yates, 1630'. Elevation 3307'.
GRAVITY OF OIL: Gas field.
AVERAGE THICKNESS OF PAY ZONE: 20'.
PRODUCING FORMATION: Tansill, Permian.
AVERAGE PRODUCING DEPTH: 1540' to 1560'.
DEEPEST TEST: Neil H. Wills No. 2 Hale, NE 1/4 SW 1/4 sec. 12-20-30.
T.D. 1860'. P. & A. Top Rustler, 260'; Top Salado,
570'; Base Salado, 1481'. Elevation 3308'.
OIL WELLS, as of 1-1-47: 0
GAS WELLS:
 Producing 0
 Shut in 1
ABANDONED WELLS: 2
TOTAL WELLS DRILLED: 3
OIL PRODUCTION: none.
GAS PRODUCTION: well shut in since completion.
WATER PRODUCTION: none reported.
AREA OF PROVEN PRODUCTION: 40 acres.

SUBSURFACE COMPLETION DATA

COMPANY	W	U			INITIAL		
LEASE	E	N			DAILY		
	L	I			PROD.	ELEV.	T.D.
	L	T	S-T-R	COMP.DATE			
N. H. WILLS ET AL							
Hale	3	M	12-20-30	5-13-46	P & A	3296	1800

NO GAS PRODUCTION DURING 1946.

HENSHAW POOL

LOCATION: T. 16 S., R. 30 E. All sec. 13.

DISCOVERY DATE: February 1930.

DISCOVERY WELL: Archer & Jones No. 1 Etz, SE 1/4 SE 1/4 sec. 13-16-30.
T.D. 3850'. PB 3830'. Initial potential, 50 bbls.
oil per day. Top Rustler, 350'; Top Salado, 505';
Base Salado, 1400'; Top Yates, 1570'; Top Queen,
2380'; Top San Andres, 3110'. Elavation 3887'.

GRAVITY OF OIL: 36° API.

AVERAGE THICKNESS OF PAY ZONE: 10'.

PRODUCING FORMATION: San Andres.

AVERAGE PRODUCING DEPTH: 3135' to 3225'.

DEEPEST TEST: Discovery well, described above.

OIL WELLS, as of 1-1-47:

Flowing	0
Pumping	1
Gas lift	0
Shut in	1

GAS WELLS: 0

ABANDONED WELLS: 0

TOTAL WELLS DRILLED: 2

OIL PRODUCTION: 1946

No. of producing wells 1

Yearly production 1,148

Cumulative production to 1-1-47: 4,927

GAS PRODUCTION: none reported.

WATER PRODUCTION: none reported

AREA OF PROVEN PRODUCTION: 80 acres.

PER-ACRE RECOVERY to 1-1-47: 62 bbls.

PRODUCTION DATA - HENSHAW POOL

COMPANY	W	U		J	F	M	J	J	A	S	O	N	D	CUMULATIVE			
LEASE	E	N		A	R	R	U	U	U	E	C	O	E	PRODUCTION			
LEASE	L	I	S-T-R	A	B	H	Y	E	Y	G	T	T	V	C	1946	1-1-47	
ARCHER & JONES																	
Etz	1	P	13-16-30													2,572	
BYRD-FROST (Formerly P.B. English)																	
A.N. Etz	1	B	13-16-30	122	60	120	121	54	59	120	61	61	61	185	124	1,148	2,355
FIELD TOTAL				122	60	120	121	54	59	120	61	61	61	185	124	1,148	4,927

HIGH LONESOME POOL

LOCATION: T. 16 S., R. 29 E. SW 1/4 sec. 16, S 1/2 sec. 17, N 1/2 sec. 20, NW 1/4 sec. 21.

DISCOVERY DATE: November 1939.

DISCOVERY WELL: B. H. Nolen No. 1 Iles, SE 1/4 SE 1/4 sec. 17-16-29. T.D. 1824'. Initial production, pump 80 bbls. oil per day. Top Salado, 290'; Base Salado 640'; Top Yates, 795'; Top Queen, 1534'. Elevation 3655'.

GRAVITY OF OIL: 34.9° API.

AVERAGE THICKNESS OF PAY ZONE: 15'.

PRODUCING FORMATION: Sandstone of lower Queen.

AVERAGE PRODUCING DEPTH: 1760' to 1815'.

DEEPEST TEST: Dave Elder No. 1 Hess, SW 1/4 NW 1/4 sec. 31-16-29. T.D. 3105'. P. & A. Top Salado, 297'; Base Salado, 665'; Top Yates, 810'; Top Queen, 1580. Elevation 3647'.

OIL WELLS, as of 1-1-47:

Flowing	0
Pumping	0
Gas lift	0
Shut in	4

GAS WELLS: 0

ABANDONED: 0

TOTAL WELLS DRILLED: 4

OIL PRODUCTION: 1946

No. of producing wells 0

Yearly production 0

Cumulative production to 1-1-47: 21,824 bbls.

GAS PRODUCTION: estimated, cumulative to 1-1-47, 327 million cu. ft.

WATER PRODUCTION: none reported.

AREA OF PROVEN PRODUCTION: 160 acres.

PER-ACRE RECOVERY to 1-1-47: 136 bbls.

Internal gas-drive type reservoir.

CUMULATIVE PRODUCTION DATA

COMPANY	LEASE	WELL	UNIT	S-T-R	CUMULATIVE 1-1-47
ATKINS, GEORGE					
	Iles	1	P	17-16-29	6,170
BROWN, C. W.					
	State	1	M	16-16-29	7,910
SIKES, J. H.					
	Iles	1	C	20-16-29	5,351
STOUT & WADDELL					
	Iles	1	K	17-16-29	2,393
				TOTAL	21,824

NO PRODUCTION IN 1946

HIGH LONESOME, SOUTH POOL

LOCATION: T. 16 S., R. 29 E. S 1/2 sec. 31, S 1/2, NE 1/4 sec. 32,
all sec. 33.
T. 17 S., R. 28 E. NE 1/4 sec. 1.
T. 17 S., R. 29 E. NE 1/2 sec. 4, N 1/2 sec. 5, N 1/2 sec. 6.

DISCOVERY DATE: By order effective January 1, 1945, pool established
and defined by New Mexico Oil Conservation Commission.

DISCOVERY WELL: The wells in the High Lonesome, South, pool originally
were included in High Lonesome pool.

GRAVITY OF OIL: 34° API.

AVERAGE THICKNESS OF PAY ZONE: 15'.

PRODUCING FORMATION: Grayburg and San Andres.

AVERAGE PRODUCING DEPTH: 2100' to 2710'.

DEEPEST TEST: Carper Drlg. Co. No. 1 Smith, NW 1/4 NE 1/4 sec. 6-17-29.
T.D. 2845'. PB 2458'. Initial production, flow 360
MCF gas per day. (Now P. & A.) Top pay, 2419'.
Elevation 3667'.

OIL WELLS, as of 1-1-47:	
Flowing	0
Pumping	1
Gas lift	0
Shut in	3
GAS WELLS;	
Producing	0
Shut in	4
ABANDONED WELLS:	2
TOTAL WELLS DRILLED:	10
OIL PRODUCTION:	1946
No. of producing wells	1
Yearly production	848
Cumulative production to 1-1-47:	10,946 bbls.
GAS PRODUCTION: (all gas wells shut in.)	none reported.
WATER PRODUCTION:	none reported.
AREA OF PROVEN PRODUCTION:	160 acres.
PER-ACRE RECOVERY TO 1-1-47:	68 bbls.
Gas-drive type reservoir.	

PRODUCTION DATA - HIGH LONESOME, SOUTH, POOL

COMPANY	W	U			M	A		J	J		S							CUMULATIVE	
LEASE	L	T	S-T-R	J	F	A	R	M	U	U	A	E	O	N	D			PRODUCTION	PROD.
LEASE	L	T	S-T-R	A	E	C	I	A	N	L	U	P	C	O	E			1946	1-1-47

BUCK, C. B.

Lookhart

1 A 1-17-29

State 1 P 31-16-29

SHUMAKER-RITCHIE

Lever 1 M 33-16-29

SUPPES & SUPPES

State 1 M 31-16-29

122 123 60 120 120 120 122 61 848 6,429

FIELD TOTAL

122 123 60 120 120 120 122 61 848 10,946

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LEO POOL

LOCATION: T. 18 S., R. 30 E. S 1/2 sec. 14, S 1/2 sec. 15, S 1/2 sec. 16, N 1/2 sec. 21, all secs. 22, 23.

DISCOVERY DATE: August 1939.

DISCOVERY WELL: H. W. Martin No. 1 Gates, SE 1/4 SW 1/4 sec. 15-18-30.
T. D. 3245'. Initial production, pump
1000 bbls. oil per day. Base Salado, 1435';
Top Yates, 1630'; Top Queen 2725'. Elevation
3512.

GRAVITY OF OIL: 35.8°.

AVERAGE THICKNESS OF PAY ZONE: 15'.

PRODUCING FORMATION: Grayburg, Permian.

AVERAGE PRODUCING DEPTH: 3000' to 3330'.

DEEPEST TEST: Brewer Drlg. Co. No. 1 Creek, NE 1/4 NE 1/4 sec. 23-18-30.
T. D. 3653'. P. & A. Base Salado, 1580';
Top Yates, 1770'; Top Queen, 2900'. Elevation
3516.

OIL WELLS, as of 1-1-47:

Flowing	5
Pumping	2
Gas lift	0
Shut in	0

GAS WELLS: 0

ABANDONED WELLS: 5

TOTAL WELLS DRILLED: 12

OIL PRODUCTION: 1946

No. of producing wells 7

Yearly production 11,652

Cumulative production to 1-1-47: 132,428

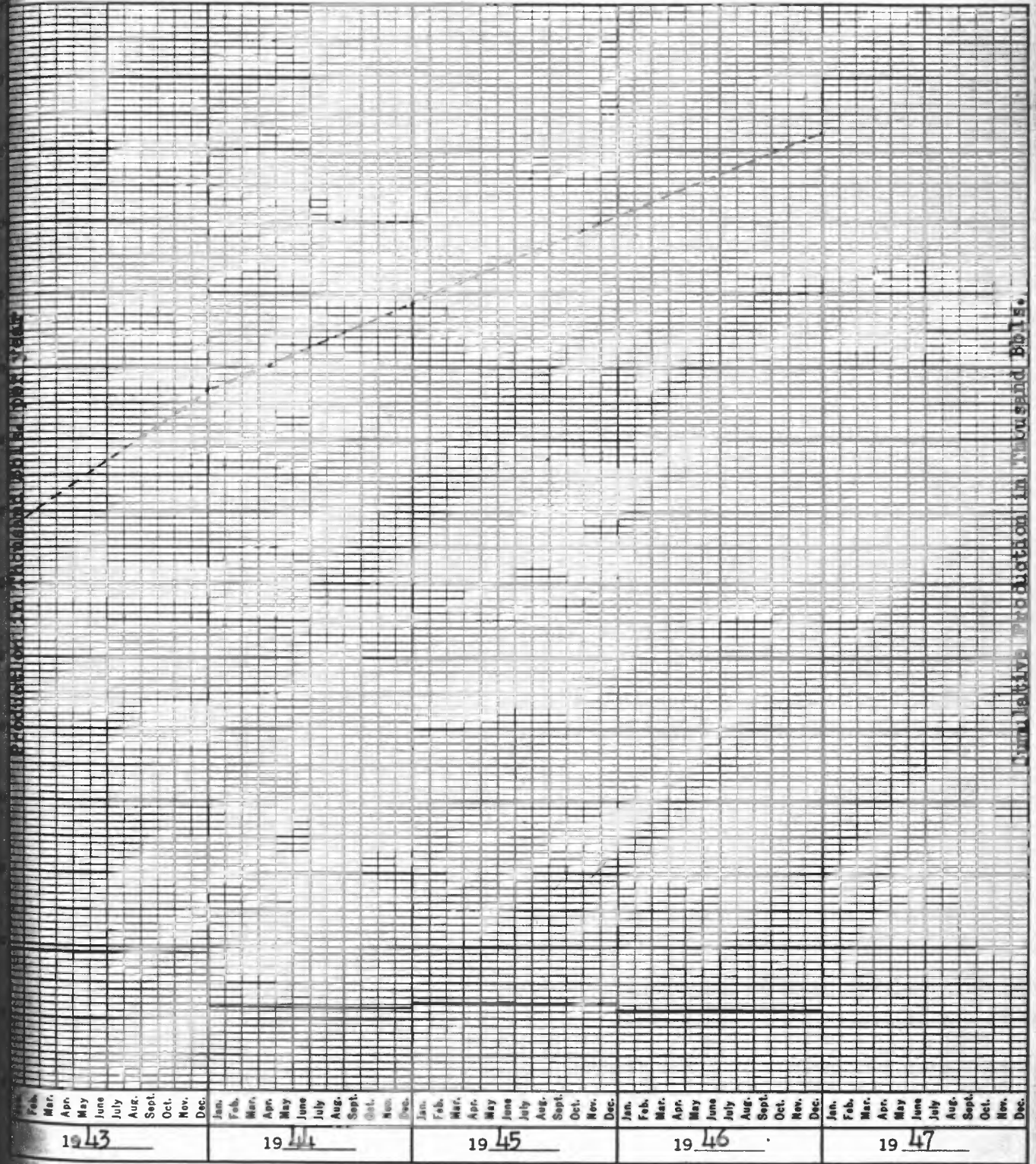
GAS PRODUCTION: estimated, cumulative to 1-1-47, 40 million cu. ft.

WATER PRODUCTION: none reported.

AREA OF PROVEN PRODUCTION: 280 acres.

PER-ACRE RECOVERY to 1-1-47: 473 bbls.

LEO POOL Production Curves



Cumulative Production ----
 Production Curve _____

PRODUCTION DATA - LEO POOL

COMPANY LEASE	W L	U I	S-T-R	J A	F E	M R	A C	P H	J U	J U	A U	S P	O C	N O	D E	PRODUCTION 1946	CUMULATIVE PROD. 1-1-47
BREWER DRUG. CO.																	
Brooks	1	N	14-18-30	240	192	244	160	216	225	215	224	179	195	190	186	2,466	30,390
MoClay	1	B	21-18-30	58	52	54	44	47		121	81	74	61	64	86	742	6,070
JONES, R. J.																	
Gates	1	N	15-18-30	208	206		206	209	207	270	205		211			1,722	22,159
	2	K	"				170			163			203			536	4,919
KERSEY & CO.																	
Creek	1	C	23-18-30	227	229		226	225	223		224	110	100	200	222	1,986	41,667
Creek X	2	F	"	227	229		226	225	224		223	109	100	200	223	1,986	17,905
RANDEL, O. H.																	
Gates	1	I	22-18-30	366	61	181	178	238	236			219		550	185	2,214	9,316
FIELD TOTAL				1326	969	479	1210	1160	1115	769	957	691	870	1204	902	11,652	132,426

LOCO HILLS POOL

LOCATION: T. 17 S., R. 29 E. S 1/2 sec. 31, S 1/2 sec. 32, S 1/2 sec. 33, S 1/2 sec. 34, S 1/2 sec. 35, all sec. 36.

T. 17 S., R. 30 E. S 1/2 sec. 29, all secs. 31, 32

T. 18 S., R. 29 E. All secs. 1 to 18, incl.

T. 18 S., R. 30 E. All secs. 5, 6, 7, 18.

DISCOVERY DATE: February 1939.

DISCOVERY WELL: Yates et al. No. 1 Yates, NW 1/4 SW 1/4 sec. 6-18-30. T.D. 2874'. Initial production, flow 630 bbls. oil per day. Base Salado, 1123'; Top Yates, 1300'; Top Queen, 2288'. Elevation 3552'.

GRAVITY OF OIL: 36.5°.

AVERAGE THICKNESS OF PAY ZONE: 20'.

PRODUCING FORMATION: Grayburg, Permian.

AVERAGE PRODUCING DEPTH: 2410' to 3105'.

DEEPEST TEST: Franklin Petroleum Co. No. 1 Coppedge, SW 1/4 NW 1/4 sec. 5-18-30. T.D. 3505'. P. & A. Base Salado, 1120'; Top Yates, 1310'; Top Queen, 2320'. Elevation 3545'.

OIL WELLS, as of 1-1-47:

Flowing	10
Pumping	3
Gas lift	5
Shut in	1

GAS WELLS: 0

ABANDONED WELLS: 16

TOTAL WELLS DRILLED: 35

OIL PRODUCTION: 1946

No. of producing wells 15

Yearly production 58,859

Cumulative production to 1-1-47: 149,029 bbls.

GAS PRODUCTION: estimated, cumulative to 1-1-47, 18,250 million cu. ft. (Loco Hills and Loco Hills Pressure Maintenance).

WATER PRODUCTION: small (none reported).

AREA OF PROVEN PRODUCTION: 9720 acres (Loco Hills and Loco Hills Pressure Maintenance).

PER-ACRE RECOVERY to 1-1-47: 1106 bbls.

RESERVOIR DATA: Gas-expansion type reservoir.

Connate water: 15% to 25%.

Average porosity: 15%.

Saturation pressure: 898 lbs.

Estimated original reservoir pressure: 1000 lbs.

Reservoir temperature: 82°.

Original solution ratio: 420 cu. ft. per bbl.

Original volume factor: 1.274 bbls.

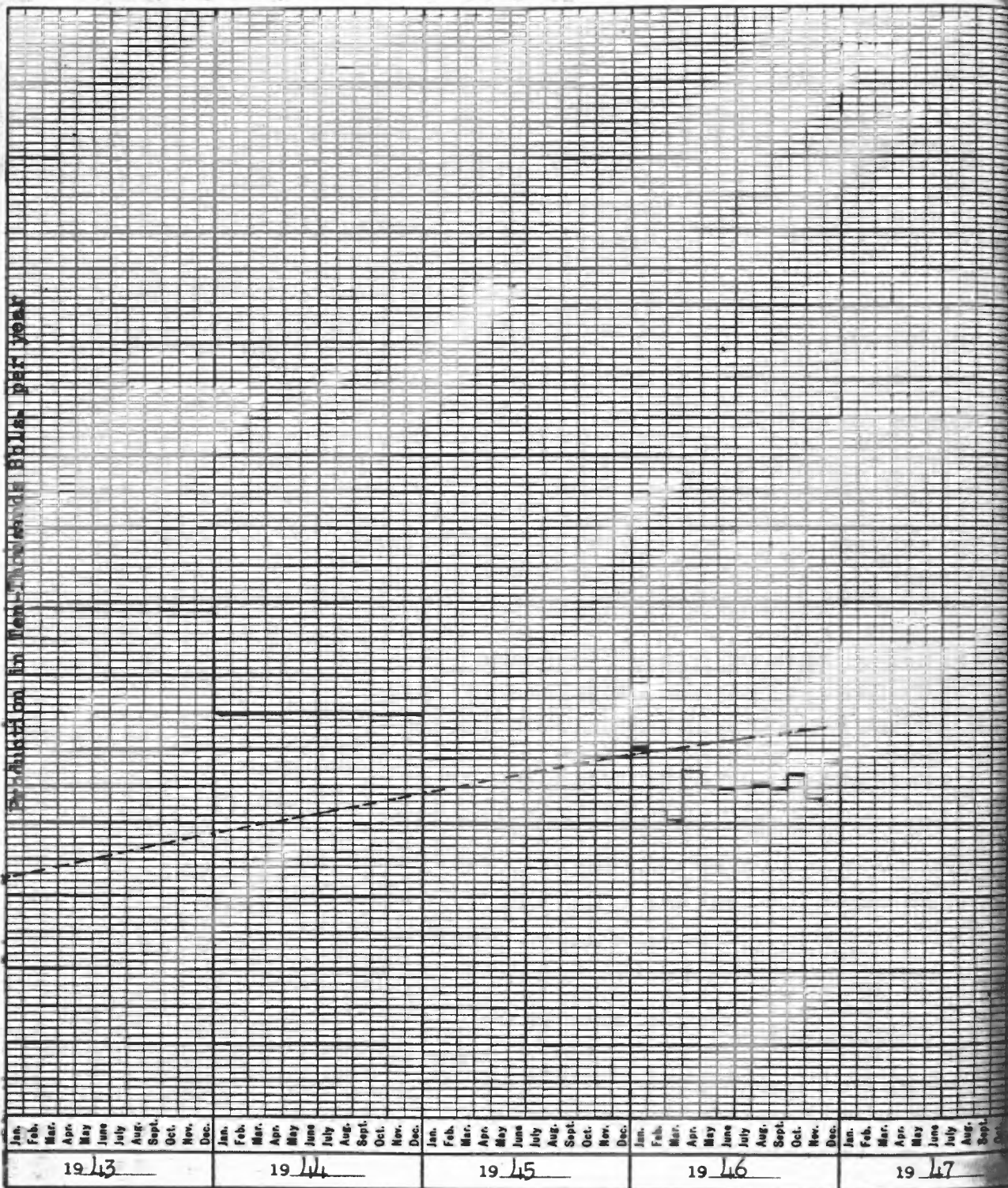
Average effective pay thickness: 10'.

Viscosity at 70° F.: 41.8 S.S.U.

Viscosity at 100° F.: 38.0 S.S.U.

LOCO HILLS
AND
LOCO HILLS PRESSURE MAINTENANCE POOLS

Production Curves



Cumulative Production - - - -
Production Curve - - - -

COMPANY LEASE	W	U	S-T-R	COMP. DATE	INITIAL	ELEV.	T.D.	T.P.	SHOT OR ACID		OIL STRING		TUBING	
	E	N			DAILY				AMT.	INTERVAL	SIZE	DEPTH	SIZE	DEPTH
	L	I			PROD.									
	L	T			TEST									
ALLEN - FAIR														
State A	6	E	36-17-29	1-15-46	F-15	3564	3256	3152	8000g	3152-3256	7"	3092	2"	3256
DIXON - YATES														
Boulter	2	K	14-18-29	8-5-46	P & A	3495	3418		430q	2561-2631				
EAST, C. L.														
State	1	I	33-17-29	12-2-46	P-50	3542	3237	3052	11000g	3082-3237	7"	3082	2"	3100
FRANKLIN, ASTON & FAIR														
Masteller	3	B	18-18-30	8-27-46	F-175	3513	2789	2761	160q	2763-2807	7"	2702	2"	2746
MCKEE, ROBERT E.														
State	6	P	32-17-30	3-11-46	F-10	3581	3698	3174	1000g	3000-3458	7"	2994	2"	3185
YATES, MARTIN III														
State	9	F	36-17-29	9-30-46	P-60	3568	3296	3289	19600g	3250-3296	7"	3250	2"	3275

PRODUCTION DATA - LOCO HILLS POOL

COMPANY LEASE	W	U	S-T-R	J	F	M	A	M	U	J	U	A	S	O	N	D	CUMULATIVE
	E	N				A	P										
	L	I		A	E	C	I	A	N	L	U	P	E	O	O	E	PRODUCTION
	L	T		N	B	H	L	Y	E	Y	G	T	T	V	U	1946	1-1-47
ALLEN & FAIR																	
State A																	
4-6	E		36-17-29	468		1134	634	394	426	434	427	430	415	413	223	5,398	30,124
BASSETT & BIRNEY																	
Dunn C	1	I	7-18-29	215	192	186	218	210	134	163	166	177	176	159	140	2,136	10,575
RESLER OIL CO. (Formerly Bay Petroleum Co.)																	
S. Y. Dunn C																	
1	A		7-18-29	137	137	103	139	138	131	132	137	134	128	136	132	1,584	5,512

PRODUCTION DATA - LOCO HILLS POOL - continued

COMPANY	W	U		J	F	M	A	J	J	A	S	O	N	D	CUMULATIVE		
LEASE	E	N		R	R	A	P	U	U	U	E	C	O	E	PRODUCTION	PROD.	
	L	I	S-T-R	A	E	C	I	N	L	A	P	T	V	C	1946	1-1-47	
RESLER OIL CO. (Formerly Bay Petroleum Co.) - continued																	
Yates - Travis																	
	1	A	18-18-29	124	138	262	133	94	104	130	138	118	135	138	136	1,650	5,831
DIXON & YATES																	
	1	A	13-18-29	401	388	246		471	422	261	250	207	255	238	227	3,366	10,533
	2	B	"														95
EAST, C.L.																	
	1	I	33-17-29														
GRAYBURG OIL CO.																	
	2	C	36-17-29	1228	1068	445	1347	1247	1223	1250	1496	1338	1478	1273	1246	14,639	16,201
MCKEE, ROBERT E.																	
	6	P	32-17-30														
MILLER & MILLER																	
Masteller																	
	1	A	18-18-30	184	220	168	183	211	196		199				1,361	4,677	
PREMIER PET. CORP.																	
Beeson F																	
	8	O	29-17-30	352	220	392	208	230	483	252	226	219	383	542	3,507	29,813	
	9	N	"	351	219	389	230	214	375	192	219	228	322	341	3,080	23,260	
SKELLY OIL COMPANY (Formerly Bay Petroleum Co.)																	
Perry-Leonard																	
	1	M	33-17-29	453	305	212	220	357	203	205	309	108	218	300	223	3,113	10,026
	2	N	"	155	140	227	218	359	205	204	309	108	223	300	221	2,669	7,286
STROUP & YATES																	
	1	P	7-18-29	112	105	109	105	168		136				205	940	15,191	
YATES, MARTIN, III																	
	8	D	36-17-29	1578	1145	629	1100	1311	1192	1230	1364	1247	1239	1208	1183	14,426	23,915
	9	F										419	138	302	131	990	990
FIELD TOTAL																	
				5758	4277	4502	4735	5025	5277	4649	5177	4932	5110	4467	4950	58,859	194,029

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LOCO HILLS PRESSURE MAINTENANCE POOL

LOCATION: See Loco Hills Pool.
DISCOVERY DATE: See Loco Hills Pool.
DISCOVERY WELL: See Loco Hills Pool.
GRAVITY OF OIL: See Loco Hills Pool.
AVERAGE THICKNESS OF PAY ZONE: See Loco Hills Pool.
PRODUCING FORMATION: See Loco Hills Pool.
AVERAGE PRODUCING DEPTH: See Loco Hills Pool.
DEEPEST TEST: See Loco Hills Pool.
OIL WELLS, as of 1-1-47:

Flowing	117
Pumping	46
Gas lift	25
Shut in	4

GAS WELLS:

Input	19
Producing	0
Shut in	0

ABANDONED WELLS: 7

TOTAL WELLS DRILLED: 218

OIL PRODUCTION: 1946

No. of producing wells	188
Yearly production	850,005
Cumulative production to 1-1-47:	10,600,950 bbls.

GAS PRODUCTION: See Loco Hills Pool.
WATER PRODUCTION: small (none reported).
AREA OF PROVEN PRODUCTION: See Loco Hills Pool.
PER-ACRE RECOVERY to 1-1-47: See Loco Hills Pool.
RESERVOIR DATA: See Loco Hills Pool.
GAS-OIL RATIO: See Loco Hills Pool.
BOTTOM HOLE PRESSURE: See Loco Hills Pool.

CORRECTION TO CIRCULAR No. 14.

1943 PRODUCTION, 1,261,836 bbls.

1-1-44 CUMULATIVE PRODUCTION, 7,730,559 bbls.

SUBSURFACE COMPLETION DATA - LOCO HILLS PRESSURE MAINTENANCE POOL

COMPANY LEASE	W E L	U N I T	S-T-R	COMP. DATE	INITIAL DAILY PROD.			SHOT OR ACID		OIL STRING		TUBING			
					TEST	ELEV.T.D.	T.P.	AMT.	INTERVAL	SIZE	DEPTH	SIZE	DEPTH		
FRANKLIN, ASTON & FAIR															
Ballard B	4	B	1-18-29	7-14-46	F-90	3548	2800	2769	140	q	2765-2800	7"	2667	2"	2730
	5	A	1-18-29	12-27-46	F-60	3537	2810	2778	140	q	2778-2810	7"	2666	2"	2765
Yates A	8	C	6-18-30	11-15-46	F-100	3557	2859	2831	130	q	2825-2859	7"	2740	2"	2800
YATES, ET AL															
Yates A	5	L	6-18-30	12-15-46	F-120	3539	2848	2806	120	q	2807-2838	7"	2697	2"	2806

PRODUCTION DATA - LOCO HILLS PRESSURE MAINTENANCE POOL

COMPANY LEASE	W E L	U N I T	S-T-R	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	1946	CUMULATIVE PROD. 1-1-47
ALLEN & FAIR																	
State A	1	I	36-17-29	241	208	212	263	186	202	136	207	244	146	220	290	2,555	77,142
	2	M	"	242	208	212	263	187	202	136	207	244	146	220	289	2,556	73,106
	3	J	"	242	209	213	263	187	203	136	208	244	147	221	289	2,562	65,997
State B	1	B	11-18-29	318	221	219	221	328	210	210	209	221	223	332	222	2,934	67,260
	2	A	"	318	222	220	222	329	210	210	210	221	223	333	222	2,940	62,945
State C	1	C	2-18-29														7,561
ASTON & FAIR																	
Brigham	1	P	31-17-30	366	340	354	342	323	354	328	339	347	364	378	647	4,482	68,024
	2	I	"	366	339	354	342	323	353	328	338	346	363	377	646	4,475	60,090
Soheurich-St.																	
	3	L	32-17-30	722	729	561	565	571	557	572	569	748	753	560	728	7,635	84,806
	4	K	"														9,265

PRODUCTION DATA - LOCO HILLS PRESSURE MAINTENANCE POOL - continued

COMPANY	LEASE	W E L	U N I T	S e r i e s	J u n e	F e b	M a r c h	A p r i l	M a y	J u n e	J u l y	A u g u s	S e p t e m b e r	O c t o b e r	N o v e m b e r	D e c e m b e r	PRODUCTION 1946	CUMULATIVE PROD. 1-1-47
ASTON & FAIR																		
State A	1	O	36-17-29		564	505	369	366	361	359	371	364	376	558	728	736	5,657	72,741
State B	1	G	11-18-29		561	444	618	548	546	555	551	544	544	559	552	584	6,606	77,340
	2	H	"		562	443	618	547	546	554	551	543	543	558	552	583	6,600	63,451
	5	M	32-17-30		937	835	939	897	920	893	911	920	890	930	917	929	10,918	39,705
	6	F	"		929	841	914	892	924	899	672	895	879	907	881	930	10,563	84,351
ASTON, LUCAS & ASTON																		
State	1	O	32-17-30															6,762
BASSETT & BIRNEY																		
State	1	N	2-18-29		643	497	380	750	628	493	515	554	504	483	599	615	6,661	93,516
	2	K	"		428	331	254	333	419	329	352	369	336	322	399	410	4,282	76,497
	3	K	10-18-29		359	436	337	206	615	292	415	306	429	586	204	441	4,626	72,344
	4	E	2-18-29		627	477	440	472	591	771	718	525	376	402	345	560	6,304	77,822
	5	D	"		312	205	189	261	253	330	307	225	161	266	157	182	2,848	63,137
	7	I	11-18-29		210	452	201	383	372	337	419	363	214	407	382	218	3,958	31,567
BAY PETROLEUM CORP. (Formerly Penn Syrgioal Mfg. Co.)																		
Ball B	1	L	8-18-29		171	109	206	224	191	164	108	204	209	207	213	206	2,212	11,315
	2	C	"		172	110	207	224	191	165	108	205	209	207	214	206	2,218	8,391
	3	E	"		104	112	192	217	323	206	213	269	105	211	102	181	2,235	12,245
	4	G	"		104	112	193	217	323	207	213	270	106	212	103	181	2,241	7,703
Miller	1	E	5-18-29		194	217	299	217	220	212	311	219	213	216	213	216	2,747	9,339
	2	D	"		194	218	299	218	220	213	311	219	214	217	214	216	2,753	8,072
Shaker	1	L	"		161	160	217	202	204	175	198	191	182	174	109	196	2,169	10,007
	2	I	"		162	161	217	202	205	176	199	191	182	175	109	196	2,175	7,687
BOWERS, J. M. & K. M.																		
State	1	L	1-18-29		633	385	608	442	429	437	652	442	443	445	224	445	5,585	75,047
BRAINARD & GUY																		
Brainard																		
	1	C	10-18-29		319	323	328	328	326	327	327	329	312	429	515	553	4,416	74,688
	2	F	"		320	323	328	327	325	326	326	329	313	429	514	552	4,412	68,937

PRODUCTION DATA - LOCO HILLS PRESSURE MAINTENANCE POOL - continued

COMPANY	W	U	J	F	M	A	J	J	A	S	O	N	D	CUMULATIVE			
LEASE	E	N	A	E	R	P	U	U	U	E	C	O	E	PRODUCTION			
LEASE	L	T	S-T-R	N	B	H	L	Y	E	Y	G	T	V	C	1946	1-1-47	
BRAINARD & GUY - continued																	
Guy	1	E	10-18-29	317	312	327	312	319	294	216	320	209	318	434	445	3,823	74,019
	2	L	"	318	313	327	311	318	294	215	321	209	318	434	445	3,823	60,959
	3	C	15-18-29	210	194	182	213	190	110	219	219	106	107	221	111	2,082	42,587
	4	D	"	210	195	181	212	190	111	219	219	106	107	222	110	2,082	28,923
BRIGHT & GORDON																	
State A	1	M	2-18-29			193		235		222			232			882	46,061
BROOKOVER, W.D. Jr. (Formerly Kleiner et al)																	
Watson-Smith																	
	1	K	4-18-29		188	187	188		90		185		187	141		1,166	50,161
	2	O	"	188		184	188	130	188	119		187		187		1,371	45,776
	3	N	"	187	137		185	187	185	187		186		186	186	1,626	41,603
	4	J	"	185	188	129		185		185	182		186		184	1,424	38,408
CARPER DRILLING CO.																	
Carper-B-State																	
	1	F	16-18-29	132	98		155		160		162	121		145		973	19,556
CARPER-MILES-TALMADGE																	
State	1	N	32-17-30	778	432	813	467	704	423	875	421	448	855	413	389	7,018	79,605
	2	G	"	586		787	603	847	606	577	555	555	581	351		6,048	77,370
	3	B	"	275	404	476	303	536	306	266	245	255	272	51		3,389	66,207
CARPER-TALMADGE																	
State	1	C	16-18-29	270	246	235	272	261	232	248	219	190	219	145	179	2,716	62,701
CONE, GORDON																	
Guy	1	J	9-18-29						359	427	366	358	354	301	385	2,550	63,400
	2	I	"	151	320	653	526	527	359	428	367	358	354	301	385	4,729	63,030
	3	P	"	251	321	654	526	526	360	428	367	359	354	302	385	4,833	63,122
Langford																	
	1	L	"														34,154
	2	K	"	250	404	198	217	406	406	205	415	216	419	225	231	3,592	63,430
CONTINENTAL OIL CO.																	
Brainard																	
	1	J	3-18-29	339	287	193	338	330	239	285	238	312	301	301	243	3,406	50,099
	2	I	"	508	434	290	507	495	358	427	357	469	301	301	244	4,691	54,790

PRODUCTION DATA - LOCO HILLS PRESSURE MAINTENANCE POOL - continued

COMPANY	W	U		J	F	M	A	J	J	A	S	O	N	D	PRODUCTION	CUMULATIVE
LEASE	E	N	S-T-R	A	E	R	R	U	U	U	E	C	O	E	1946	1-1-47
	L	I		N	B	H	L	Y	E	Y	G	T	T	V		

CONTINENTAL OIL CO. - continued

Brainard - continued

	3	H	3-18-29	198	170	113	197	193	139	166	139	182	100	100	81	1,778	44,609
	4	A	"	56	48	32	56	55	40	47	40	52	50	50	41	567	28,142
	5	G	"	198	171	114	197	193	139	166	139	182	175	175	142	1,991	36,113
State L	1	D	16-18-29	190	190	187	182	186	185	185	187	187	190	190	185	2,244	40,914
M	1	O	2-18-29	533	391	370	360	604	611	546	453	474	488	428	433	5,691	92,692
	2	P	"														32,426
	3	J	"	532	391	462	450	604	459	546	453	474	488	428	433	5,720	84,330
	4	I	"	428	314	278	270	453	611	410	339	474	487	429	434	4,927	74,896
State N	1	L	2-18-29	946	751	924	738	910	737	910	739	897	727	751	932	9,962	74,951
	1	N	10-18-29	684	545	562	544	731	740	542	690	547	557	557	369	7,068	66,459
State O	1	B	3-18-29	168	156	147	175	147	162	128	143	131	131		187	1,675	47,038
Travis	1	P															23,601
	2	O	"	367	366	183	364	544	361	367	364	364	366	363	185	4,194	68,071

DIXON & YATES

Ballard A

	1	O	1-18-29	1111	683	499	745	924	710	983	922	662	741	868	853	9,701	87,940
	2	P	"	1112	683	498	746	925	710	983	922	662	742	868	853	9,704	80,043

Ballard B

	1	F	"	473	474	236	470	470	466	466	450	410	420	334	370	5,039	80,130
	2	C	"	617	575	619	470	469	699	234	448	468	444	442	451	5,936	85,078

Boulter

	1	C	14-18-29	221				199				189				609	1,939
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Day

	1	I	12-18-29	1137	708	423	701	908	839	947	905	886	921	890	927	10,192	50,126
	2	J	"	1137	708	423	701	908	839	947	905	886	921	890	927	10,192	48,893
	3	O	"	606	376	226	375	482	447	506	482	471	489	474	496	5,430	19,057
	4	P	"	1137	708	423	701	908	838	947	905	886	921	890	927	10,191	32,686

Saunders A

	1	A	"	344	134	147	207	201	224	246	247	145	250	242	273	2,660	49,361
	2	B	"	1362	691	497	744	941	882	936	919	897	928	901	934	10,632	80,457

PRODUCTION DATA - LOCO HILLS PRESSURE MAINTENANCE POOL - continued

COMPANY	W	U	J	F	M	A	J	J	A	S	O	N	D	CUMULATIVE
LEASE	E	N	A	E	R	R	M	U	U	A	E	O	E	PRODUCTION
	L	I	N	B	H	L	Y	E	Y	G	T	V	C	1946
	S-T-R													1-1-47

DIXON & YATES - continued

Saunders A

4	H	12-18-29	1288	556	551	776	752	727	707	711	705	721	696	853	9,043	54,454
5	G	"	1363	691	497	744	941	882	936	920	897	928	901	935	10,635	52,315
6	F	"														16,924

FAIR, R. W.

State A 2	F	2-18-29	579	468	593	835	232	684	435	645	434	432	420	633	6,390	80,776
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FAIR, R. W. & FAIR FOUNDATION

Brainard

1	B	10-18-29	301	250	248	259	255	219	218	262	218	211	329	378	3,148	65,645
2	G	"	301	250	248	259	255	219	219	262	218	211	329	379	3,150	63,070
3	J	"	301	251	248	260	255	219	219	262	218	211	89	103	2,636	50,386
4	O	"	301	251	248	260	255	219	219	263	218	211	240	276	2,961	54,144
5	H	"	301	251	249	260	255	219	219	263	218	211			2,446	54,975
7	I	"											241	277	518	47,103
8	A	"	302	261	249	260	255	219	219	263	219	211	121	138	2,717	46,881

FAIR & BRIGHT

State A 1	K	1-18-29	634	592	624	598	139	619	419	622	404	633	435	438	6,457	94,625
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FLYNN-WELCH & YATES

Langford

1	C	9-18-29	282	209	226	318	310	224	334	303	222	322	223	337	3,310	55,475
2	F	"	283	210	226	319	310	225	334	303	222	322	224	338	3,316	50,368
3	E	"														32,838

State

1	N	1-18-29	867	649	436	892	858	633	636	602	429	666	434	433	7,535	91,100
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Travis

1	P	8-18-29	49	62	50	42	64	68	70	57	71	66	76	77	752)	
2	J	"	50	62	50	43	63	68	70	57	71	66	76	76	752)	13,448
3	O	"	50	63	51	43	63	67	70	57	71	66	77	76	754	6,443

FRANKLIN, ASTON-FAIR

Ballard A

1	I	1-18-29	597	603	524	520	523	518	507	515	602	594	591	801	6,895	92,036
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PRODUCTION DATA - LOCO HILLS PRESSURE MAINTENANCE POOL - continued

COMPANY	W	U		J	F	M	A		J	J		S		N	D		CUMULATIVE
LEASE	E	N	S-T-R	A	E	R	P	M	U	U	A	E	O	N	D	PRODUCTION	PROD.
	L	I		N	B	H	L	Y	E	Y	G	T	T	V	C	1946	1-1-47
FRANKLIN, ASTON-FAIR - continued																	
Ballard A	2	J	1-18-29	597	604	524	519	523	518	507	515	602	594	591	801	6,895	92,118
	3	H	"	598	604	525	519	523	518	506	514	602	595	590	802	6,896	92,126
	5	A	"														
Ballard B																	
	1	B	"														34,180
	2	G	"	620	694	461	675	445	444	650	433	588	579	575	586	6,750	99,310
	3	A	"	619	694	460	676	445	444	649	433	588	579	575	586	6,748	99,300
	4	B	"								432	588	579	574	585	2,758	2,758
Canfield A																	
	1	D	7-18-30	939	847	927	912	956	859	918	917	912	927	903	912	10,929	94,492
	2	E	"	939	847	926	912	956	859	918	917	912	927	903	912	10,928	58,719
	3	L	"	939	847	926	912	956	859	917	918	912	927	904	912	10,929	43,821
	4	M	"	939	847	926	913	956	859	917	918	911	928	904	911	10,929	30,983
	5	K	"	939	847	926	913	955	858	917	918	911	928	904	911	10,927	20,904
Canfield B																	
	1	N	"	948	867	954	897	924	907	935	918	900	921	915	944	11,030	25,494
	2	D	18-18-30	639	824	604	807	657	794	619	779	587	716	574	592	8,192	20,859
	3	C	"	638	824	604	806	657	794	619	778	587	716	573	591	8,187	19,383
Coppedge	2	D	5-18-30	777	669	774	672	786	669	632	670	515	433	451	737	7,785	89,919
	3	C	"	777	668	773	672	786	668	631	670	514	433	451	737	7,785	61,518
	4	B	"									514	432	451	736	2,133	16,864
Masteller																	
	2	O	7-18-30	951	883	932	896	922	890	916	916	731	933	907	927	10,804	11,743
	3	B	18-18-30									730	781	556	928	2,995	2,995
Yates A	1	D	6-18-30	666	634	670	666	663	658	618	612	627	658	664	742	7,878	93,976
	2	C	"	666	634	670	666	663	658	617	612	627	658	664	742	7,877	93,974
	3	B	"	666	634	670	666	663	658	617	612	627	658	664	742	7,877	93,971

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PRODUCTION DATA - LOCO HILLS PRESSURE MAINTENANCE POOL - continued

COMPANY LEASE	W E L	U N I T	S-T-R	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	PRODUCTION 1946	CUMULATIVE PROD. 1-1-47
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FRANKLIN, ASTON-FAIR - continued

Yates A - continued

4	A	6-18-30		666	634	670	666	663	658	617	612	627	658	664	742	7,877	93,975
5	M	"		667	634	670	666	662	658	617	611	627	658	664	742	7,876	85,480
6	G	"															26,571
7	N	"		667	635	670	665	662	658	617	611	628	657	664	743	7,877	27,470
8	C	"												664	743	1,407	1,407

FRIENDSHIP OIL CO.

State A	1	N	36-17-29	683	665	669	567	634	584	432	630	426	660	439	441	6,830	92,855
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GRAYBURG OIL CO.

State	1	P	36-17-29	638	474	514	461	483	323	386	434	422	408	272	431	5,346	86,497
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JONES & YATES ET AL

Robinson B

1	M	35-17-29															5,542
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KINFOLKS TRUST CO.

State	1	E	32-17-30	632	570	684	655	632	629	640	614	412	633	433	429	6,963	62,950
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MACY, TALLMADGE, COWWELL - Carl Folkner, Trustee.

State A	1	N	32-17-29	126	188	208	210	185	173	173	169	177	162	179	217	2,167	21,345
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MCKEE, ROBERT E.

State	1	D	32-17-30	410	435	412	458	438	506	408	400	388	363	149	229	4,596	21,690
	6	P	"		93		370	134	121	261	105	91	128	134	88	1,525	1,700

ME-TEX

Ballard	1	D	8-18-29					417		208	215	195	153		205	1,393	19,628
Miller	1	G	5-18-29	182	232	227	180	163	236	248	232	174	259		255	2,388	44,562
	2	F	"	272	347	341	269	245	355	373	347	260	388		383	3,580	44,121

Stroup & Yates

1	M	"		302	382	297	513	293	400	383	381	285	406	373	255	4,270	58,530
2	I	"		151	191	148	257	146	200	191	191	143	203	186	127	2,134	36,793
3	J	"															16,170

MONTGOMERY, MRS. SAM

Saunders

1	C	12-18-29		393	200	243	232	266	210	114	251	208	202	168	111	2,598	56,844
	D	"		391	201	247	233	267	211	115	252	208	202	169	112	2,611	57,455

PRODUCTION DATA - LOCO HILLS PRESSURE MAINTENANCE POOL - continued

COMPANY	W	U		J	F	M	A	J	J	A	S	O	N	D	CUMULATIVE		
LEASE	E	N	S-T-R	A	E	R	P	U	U	U	E	C	O	E	PRODUCTION		
	L	I		N	B	H	L	N	L	G	T	T	V	C	1946		
	L	T		N	B	H	L	N	L	G	T	T	V	C	1-1-47		
PREMIER PET. CO.																	
Beeson F																	
	1	L	31-17-31	440	448	301	387	361	240	241	419	600	720	606	630	5,393	98,804
	2	M	"	441	448	299	384	364	234	223	402	608	719	606	630	5,358	92,587
	3	N	"	565	560	450	442	487	403	401	410	700	812	698	714	6,642	71,504
	4	K	"	504	449	450	434	480	401	440	510	710	813	699	714	6,604	84,918
	5	G	"	376	308	358	339	350	328	326	349	278	168	225	225	3,630	69,345
	6	H	"	377	308	355	341	345	330	326	348	279	170	224	225	3,628	68,150
	7	A	"														28,918
	State B 1	C	32-17-30	233	226	230	224	454	216	232	224	171	201		228	2,639	12,434
RANDEL, O. H.																	
	Shelby 1	M	10-18-29														53,522
RESLER OIL CO.																	
	Miller 1	H	4-18-29	69	21	67	44	104	92	100		106	35	33	91	762	13,062
	2	G	"	69	21	68	45	104	93	101		106	36	33	90	766	10,196
	3	C	5-18-29	92	27	90	59	104	92	101	199	184	70	66	110	1,194	12,625
	4	B	"	92	28	90	59	104	92	101	200	185	71	66	110	1,198	18,286
ROSE CITY OIL CO.																	
Watson-Smith																	
	1	P	4-18-29	169	177	190	197	205	168	106	201	192	103	211	113	2,032	58,258
	2	I	"	170	178	190	197	206	168	107	201	192	103	212	113	2,037	53,087
SALLEE-YATES																	
Ballard B																	
	1	D	1-18-29	518	378	298	505	584	411	564	518	449	388	424	483	5,520	83,534
	2	E	"	600	438	345	585	677	475	654	599	519	450	492	573	6,407	75,005
	State 1	G	2-18-29	499	385	205	341	379	291	381	338	289	313	274	446	4,141	82,021
	2	H	"	806	623	332	552	613	470	614	546	466	506	442	720	6,690	83,157
	3	A	"	1,076	830	442	736	817	626	819	727	622	674	569	926	8,864	80,729
	4	B	"														5,846

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PRODUCTION DATA - LOCO HILLS PRESSURE MAINTENANCE POOL - continued

COMPANY LEASE	W L	U I T	J A N S-T-R	F E B	M A R C H	A P R I L	M A Y	J U N E	J U L Y	A U G	S E P T	O C T	N O V	D E C	PRODUCTION 1946	CUMULATIVE PROD. 1-1-47	
SNOWDEN OIL & GAS CO. Ltd.																	
Guy	1	D	10-18-29							359	183	364	372	563	371	2,212	70,346
NX	1	O	9-18-29	160		120		166	186	364	328	187	558	370	375	2,814	61,184
P	1	A	"														43,753
	2	B	"	275	255	188	306	370	313	373	368	369	371	250	437	3,875	70,927
	3	H	"	277	255	188	306	370	313	373	368	369	371	250	437	3,877	69,969
	4	G	"	277	255	188	306	370	312	373	368	360	371	250	436	3,866	66,989
R	1	A	15-18-29														6,246
Langford																	
	1	M	9-18-29	95	159	89	92	92	93	93	93	90	85	93	92	1,166	61,776
	2	N	"	94	160	88	92	92	93	93	93	90	85	93	92	1,165	58,801
Miller	1	H	4-18-29	125	111	125	60	119	123	124	123	126	122	61	125	1,344	23,164
	2	I	"	125	111	125	60	119	123	125	123	126	122	61	125	1,345	15,497
	3	E	"	125	112	124	60	119	123	125	123	126	122	61	125	1,345	19,461
	4	A	5-18-29														8,770
Murdock	1	K	4-18-29				182		182				184			548	9,197
Travis	1	A	17-18-29	110	93				186		149					538	23,250
	2	B	"	156	94	156	87	93	90	178	91	90	93	91	91	1,310	21,133
	3	G	"	157		155	87	93	90	178	91	90	93	91	91	1,216	5,768
STROUP & YATES																	
Ballard																	
	1	K	8-18-29	280	217	143	204	142	212	148	149	152	222	149	151	2,169	24,705
	2	N	"	281	216	143	204	142	212	148	149	152	222	149	151	2,169	38,363
	3	M	"	280	216	143	204	142	212	148	149	152	222	149	151	2,168	34,959
Travis	2	I	6-18-29	98		184	169	143	299	132	221	221	148	145	201	1,961	21,691
	3	D	17-18-29	170	141	141	158	134	108	143	121	136	104	94	109	1,559	24,636
	4	C	"														4,662
	5	E	"	171	142	141	158	134	108	144	121	136	104	94	109	1,562	17,067

PRODUCTION DATA - LOCO HILLS PRESSURE MAINTENANCE POOL - continued

COMPANY LEASE	W L	U T	S-T-R	J A	F E	M C	A H	P L	Y	J E	J Y	A G	S T	E T	O T	N V	D C	PRODUCTION 1946	CUMULATIVE PROD.
																			1-1-47
SUPPES & SUPPES																			
Miller	1	H	6-18-29	185	188	177	271	186	256	271	186	278	188	190	285	2,661	46,516		
	2	A	"	185	189	178	272	187	257	271	186	279	189	190	285	2,668	39,917		
	3	B	"		150		151		123			191		150		765	5,588		
TALMADGE-COWELL																			
State	1	E	16-18-29																452
TEXAS TRADING CO.																			
State A	1	G	16-18-29	139	146	137	59	129		164		148		147	67	1,136	21,267		
State B	2	H	16-18-29	123		113	59	129		164		148		148	67	951	10,424		
WOOLLEY, R. R.																			
Woolley, D.																			
	1	O	31-71-30	765	650	532	460	482	690	462	507	484	533	530	551	6,646	91,388		
	2	J	"	670	895	624	657	578	792	430	572	553	488	751	769	7,779	88,249		
	3	F	"	425	355	321	320	329	421	317	304	347	322	250	250	3,961	64,728		
	4	E	"	640	370	338	460	480	534	354	454	468	407	319	322	5,146	51,100		
YATES, HARVEY E.																			
Travis	1	P	6-18-29	152	183	183	179	133	121	127			219	136	167	1,600	21,827		
YATES, MARTIN JR.																			
Brainard																			
	1	C	11-18-29	646	464	257	224	434	537	467	454	452	465	477	475	5,352	77,090		
	2	D	"	380	273	151	132	256	316	275	267	266	273	281	279	3,149	62,166		
	3	E	"	305	218	122	104	204	253	220	214	213	219	225	224	2,521	60,165		
	4	F	"	380	273	151	132	256	316	275	267	266	273	281	279	3,149	60,022		
State-Withers																			
	1	M	1-18-29	1217	669	467	694	828	792	826	859	802	836	783	858	9,631	90,463		

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PRODUCTION DATA - LOCO HILLS PRESSURE MAINTENANCE POOL - continued

COMPANY	W	U	J	F	M	A	J	J	A	S	O	N	D	PRODUCTION	CUMULATIVE		
LEASE	L	T	S-T-R	N	B	H	L	Y	E	Y	G	T	T	V	C	1946	1-1-47

YATES, S.P.

Brainard

1	M	3-18-29	493	443	445	434	442	384	442	361	368	328	294	420	4,854	82,901
2	N	"	493	444	446	435	442	384	442	361	368	328	294	420	4,857	79,282
3	K	"														35,050
4	L	"	494	444	445	434	442	385	443	361	367	327	294	420	4,856	72,620
5	E	"	177	177	249	90	114	149	155	177	172	263	195	193	2,111	41,144
6	F	"	177	178	248	90	114	150	155	177	171	264	194	194	2,112	39,574

YATES, ET AL

Yates 1 1 L 6-18-30

2	E	"	953	649	466	695	698	463	694	676	693	688	567	617	7,859	96,696
3	F	"	1136	673	473	938	931	888	872	931	893	909	907	927	10,478	98,750
4	K	"	1396	700	470	928	935	892	924	919	896	930	909	935	10,834	98,841
Yates A 5	L	6-18-30												483	483	483

FIELD TOTAL

79965	66027	62834	69483	74025	69205	70685	70451	69533	73162	68177	76458	850,005	10,600,950
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701

LUSK, WEST, POOL

LOCATION: T. 19 S., R. 31 E. SE 1/4 sec. 15, NE 1/4 sec. 22.

DISCOVERY DATE: May 1944.

DISCOVERY WELL: P. B. English No. 1 Hinkle, NE 1/4 NE 1/4 sec. 22-19-31. T.D. 2599'. PB 2435'. Initial production, pump 15 bbls. oil per day. Top Rustler, 535'; Top Salado, 725'; Base Salado, 2120'. Elevation 3536'.

GRAVITY OF OIL: 27° API.

AVERAGE THICKNESS OF PAY ZONE: 18'.

PRODUCING FORMATION: Yates.

AVERAGE PRODUCING DEPTH: 2290' to 2410'.

DEEPEST TEST: Discovery well, described above.

OIL WELLS, as of 1-1-47:

Flowing	0
Pumping	1
Gas lift	0
Shut in	1

GAS WELLS: 0

ABANDONED WELLS: 2

TOTAL WELLS DRILLED: 4

OIL PRODUCTION: 1946

No. of producing wells 2

Yearly production 1,214

Cumulative production to 1-1-47: 2,727 bbls.

GAS PRODUCTION: none reported.

WATER PRODUCTION: none reported.

AREA OF PROVEN PRODUCTION: 80 acres.

PER-ACRE RECOVERY to 1-1-47: 341 bbls.

SUBSURFACE COMPLETION DATA - LUSK, WEST, POOL

COMPANY LEASE	W E L L	U N I T	S-T-R	COMP. DATE	INITIAL DAILY PROD.			SHOT OR ACID AMT. INTERVAL	OIL STRING SIZE DEPTH	TUBING	
					TEST	ELEV.	T.D.			T.P.	SIZE
ENGLISH, P.B. Barton	2	G	22-19-31	3-4-46	P & A	3542	2563				

PRODUCTION DATA - LUSK, WEST, POOL

COMPANY LEASE	W E L L	U N I T	S-T-R	J A N U A R Y	F E B R U A R Y	M A R C H	A P R I L	M A Y	J U N E	J U L Y	A U G U S T	S E P T E M B E R	O C T O B E R	N O V E M B E R	D E C E M B E R	CUMULATIVE PRODUCTION 1946	CUMULATIVE PROD. 1-1-47
BYRD-FROST Hinkle	1	A	22-19-31				60		61		121					242	597
ENGLISH & BYRD Barton	1	H	22-19-31				121	121	182	182		122		122	122	972	2,130
FIELD TOTAL							181	121	243	182	121	122		122	122	1,214	2,727

McMILLAN POOL

LOCATION: T. 19 S., R. 27 E. E 1/2 sec. 31.
 DISCOVERY DATE: December 1938.
 DISCOVERY WELL: Martin Yates No. 1 Bowers, SE 1/4 SE 1/4 sec.
 30-19-27. T.D. 1180'. Initial production,
 pump 20 bbls. oil per day. Top Queen, 690'.

GRAVITY OF OIL: 29°.
 AVERAGE THICKNESS OF PAY ZONE: 5'.
 PRODUCING FORMATION: Sandstone from lower Queen.
 AVERAGE PRODUCING DEPTH: 845' to 895'.
 DEEPEST TEST: Discovery well, described above.

OIL WELLS, as of 1-1-47:

Flowing	0
Pumping	0
Gas lift	0
Shut in	2
GAS WELLS:	0
ABANDONED WELLS:	0
TOTAL WELLS DRILLED:	<u>2</u>
OIL PRODUCTION:	<u>1946</u>
No. of producing wells	0
Yearly production	0
Cumulative production to 1-1-47:	196 bbls.
GAS PRODUCTION: none reported.	
WATER PRODUCTION: none reported.	
AREA OF PROVEN PRODUCTION: 40 acres.	
PER-ACRE RECOVERY to 1-1-47: 5 bbls.	

NOTE: Pool has been abandoned.

NO PRODUCTION IN 1946

CUMULATIVE PRODUCTION DATA

COMPANY LEASE	WELL	UNIT	S-T-R	CUMULATIVE 1-1-47
FULTON, E. L.				
Johnson	1	J	22-19-27	60
YATES, MARTIN, JR.				
Bowers A	1	P	31-19-27	136
	TOTAL			196

PALMILLO POOL

LOCATION: T. 18 S., R. 29 E. S 1/2 sec. 30.

DISCOVERY DATE: June 1925.

DISCOVERY WELL: Alscott Oil Co. No. 1 Burgess & Goodale, SW 1/4 SE 1/4 sec. 30-18-29. T.D. 2561'. Initial potential, 1000 MCF gas and 5 bbls. oil per day from "Artesia" pay.

GRAVITY OF OIL: estimated, 35° API.

AVERAGE THICKNESS OF PAY ZONE: 10'.

PRODUCING FORMATION: San Andres.

AVERAGE PRODUCING DEPTH: 2561'.

DEEPEST TEST: Discovery well, described above.

OIL WELLS, as of 1-1-47:

Flowing	0
Pumping	0
Gas lift	0
Shut in	1

GAS WELLS: 0

ABANDONED WELLS: 0

TOTAL WELLS DRILLED: 1

OIL PRODUCTION: 1946

No. of producing wells 0

Yearly production 0

Cumulative production to 1-1-47: 206 bbls.

GAS PRODUCTION: none reported.

WATER PRODUCTION: none reported.

AREA OF PROVEN PRODUCTION: 40 acres.

PER-ACRE RECOVERY to 1-1-47: 5 bbls.

No Production Curve.

NO PRODUCTION IN 1946

CUMULATIVE PRODUCTION DATA

COMPANY	LEASE	WELL	UNIT	S-T-R	CUMULATIVE 1-1-47
ALSCOTT OIL CO.	Burgess-Goodale	1	0	30-18-29	206
TOTAL					206

P.C.A. POOL

LOCATION: T. 20 S., R. 30 E. S 1/2 sec. 10, all sec. 15.

DISCOVERY DATE: December 1939.

DISCOVERY WELL: Neil H. Wills No. 1 Keyes C, SE 1/4 NW 1/4 sec. 15-20-30. T.D. 1587'. Initial production, pump 77 bbls. oil in 11 hours. Top Anhydrite, 105'; Top Salado, 430'; Base Salado, 1197'; Top Yates, 1367'. Elevation 3214'.

GRAVITY OF OIL: 22° API.

AVERAGE THICKNESS OF PAY ZONE: 10'.

PRODUCING FORMATION: Yates.

AVERAGE PRODUCING DEPTH: 1485' to 1615'.

DEEPEST TEST: Mac T. Anderson No. 1 Hale, NW 1/4 NW 1/4 sec. 23-20-30. T.D. 1956' in base of Yates or upper Seven Rivers. P. & A. Elevation 3276'.

OIL WELLS, as of 1-1-47:

Flowing	0
Pumping	6
Gas lift	0
Shut in	3

GAS WELLS:

Producing	0
Shut in	1

ABANDONED WELLS: 0

TOTAL WELLS DRILLED: 10

OIL PRODUCTION: 1946

No. of producing wells 6

Yearly production 34,104

Cumulative production to 1-1-47: 382,485 bbls.

GAS PRODUCTION: small (none reported). Gas well is shut in.

WATER PRODUCTION: relatively large volume water produced with oil.

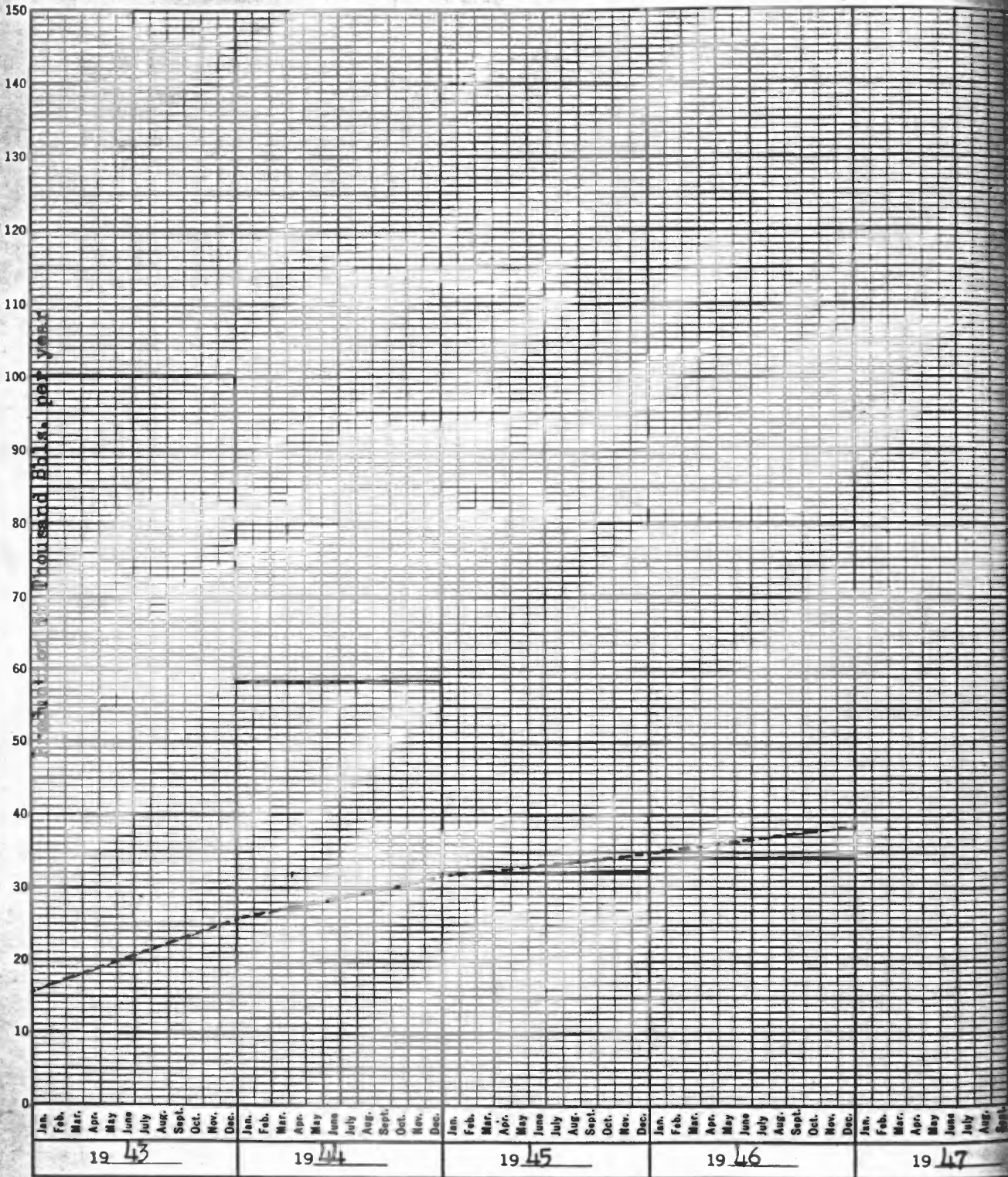
Accurate figures not available.

AREA OF PROVEN PRODUCTION; 360 acres.

PER-ACRE RECOVERY to 1-1-47: 1062.

Water-drive type reservoir.

P. C. A. POOL
Production Curves



Cumulative Production-----
Production Curve _____

PRODUCTION DATA - P.C.A. POOL

COMPANY	W	U		J	F	M	A	J	J	A	S	O	N	D	CUMULATIVE
LEASE	E	N	S-T-R	A	E	R	R	U	U	U	E	C	O	E	PRODUCTION
	L	I		N	B	H	L	E	Y	G	T	T	V	C	1946
	L	T	S-T-R	N	B	H	L	E	Y	G	T	T	V	C	1-1-47

EASTHAM, HARRIS G. Jr. (Formerly Hargrave & Eastnam)

Hargrave

1	C	15-20-30			1245	370	635		502	1000	1105	1074	1277	2112	9,320	54,198
2	D	"					303			641	1105				2,049	39,808
3	M	10-20-30														698

KEYES & ATWOOD

Keyes A 1 N 15-20-30

8,218

WILLS, NEIL H.

Keyes C 1	F	15-20-30	783		438	424	739	219	569	1104	1149	930	1098	311	8,064	48,022
2	G	"	432		241	270	115	114	175	976	596	441	619	183	4,222	102,238
3	J	"	414		332	89	448	3	424	1015	631	490	520	393	4,759	51,652
4	K	"														40,110
5	E	"	663		453	177	86		228	400	1184	979	999	521	5,690	37,541

FIELD TOTAL			2292		2709	1330	2356	366	1898	5436	5770	3914	4513	3520	34,104	382,485
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PREMIER POOL

LOCATION: T. 17 S., R. 30 E. S 1/2 sec. 22, S 1/2 sec. 23, S 1/2 sec. 24, all secs. 25, 26, 27, 28, 33, 34, 35, 36.

T. 17 S., R. 31 E. S 1/2 sec. 19, S 1/2 sec. 20, all secs. 29, 30, N 1/2 sec. 31.

DISCOVERY DATE: By order effective January 1, 1945, pool established and defined by New Mexico Oil Conservation Commission.

DISCOVERY WELL: The wells in the Premier pool originally were included in Grayburg-Jackson pool.

GRAVITY OF OIL: 36° API.

AVERAGE THICKNESS OF PAY ZONE: 20'.

PRODUCING FORMATION: Grayburg.

AVERAGE PRODUCING DEPTH: 3090' to 3390'.

DEEPEST TEST: See Grayburg-Jackson pool data.

OIL WELLS, as of 1-1-47:

Flowing	42
Pumping	11
Gas lift	0
Shut in	0

GAS WELLS: 0

ABANDONED WELLS: 7

TOTAL WELLS DRILLED: 60

OIL PRODUCTION 1946

No. of producing wells 53

Yearly production 246,435

Cumulative production to 1-1-47; 1,945,287

GAS PRODUCTION: estimated, cumulative to 1-1-47, 1,775 million cu. ft.

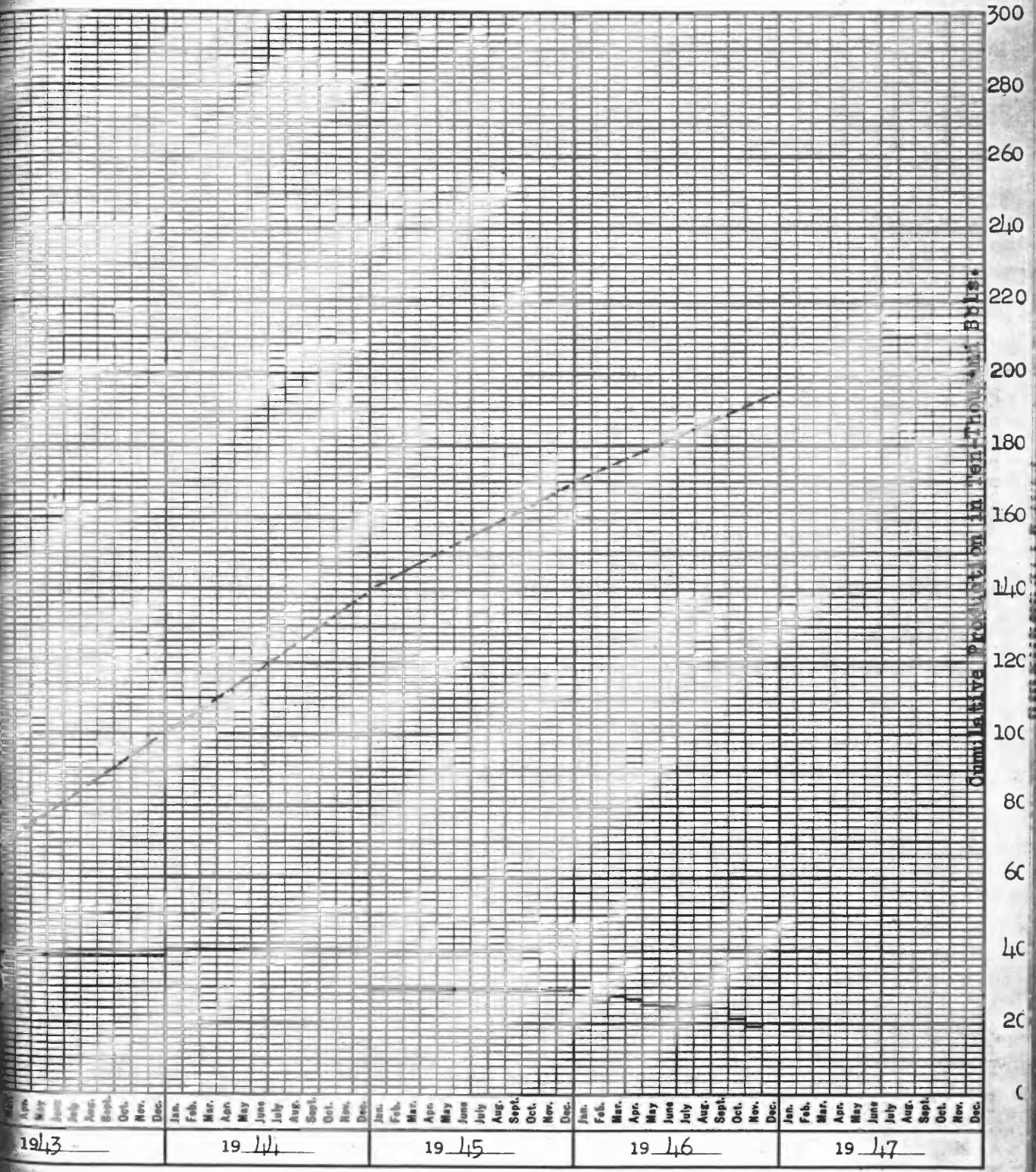
WATER PRODUCTION: none reported.

AREA OF PROVEN PRODUCTION: 2160 acres.

PER-ACRE RECOVERY to 1-1-47: 901 bbls.

Internal gas-drive type reservoir.

PREMIER POOL
Production Curves



Cumulative Production-----
Production Curve _____

PRODUCTION DATA - PREMIER POOL

COMPANY LEASE	W E L	U N I T	S-T-R	J A N	F E B	M	A	J U N	J U L	A U G	S	O C T	N O V	D E C	CUMULATIVE PRODUCTION 1946	CUMULATIVE PROD. 1-1-47	
						R C H	P R I L				E P T						
ASTON & FAIR																	
Arnold	1	F	26-17-30	250	230		218	226	102	211	246	242	245	189	123	2,282	22,694
	2	E	"	250	230		218	226	102	210	246	241	244	189	123	2,279	23,216
Brigham J																	
	1	K	"	212	216	219	156	173	175	145	143	190	129	119	128	2,005	18,786
Stevens B																	
	1	J	"	526	278	251	403	278	274	269	222	127	251	140	417	3,436	35,178
	2	I	"	527	278	251	403	278	274	269	222	127	251	140	417	3,437	26,837
	3	O	"	527	278	250	403	279	273	269	221	127	252	141	418	3,438	23,426
	5	L	25-17-30	268	291	290	205	306	208	211	268	212	192	160	207	2,818	20,254
	6	K	"	269	292	290	205	306	208	211	268	212	192	160	207	2,820	14,516
	7	M	"	269	292	290	205	306	208	211	267	212	192	160	206	2,818	17,378
	8	N	"	269	292	291	205	306	207	210	267	211	191	159	206	2,814	10,037
BREWSTER DRILLING CO.																	
Dodson G																	
	1	C	26-17-30	440	549	435	320	548	425	439	449	422	326	334	443	5,130	44,888
	2	D	"	440	549	435	320	549	425	439	450	422	326	335	443	5,133	39,108
BYRD-FROST (Formerly P.B.English)																	
Turner B																	
	1	O	25-17-30		369			179		174		139		151		1,012	12,059
CARPER DRILLING CO.																	
	1	D	36-17-30	486	498	469	752	459	463	426	344	271	308	119	235	4,830	16,242
MIZEL & RANDALL																	
	1	J	19-17-31	362	337	382	369	181	170	189	190	188	181	175	181	2,905	20,406
NASH-WINDFOHR & BROWN																	
Jackson B																	
	2	H	24-17-30	486	331	879	723	738	738	733	969	737	738	739	430	8,241	61,229
	6	D	25-17-30	763	580	372	362	607	722	841	847	848	609	738	494	7,783	40,874
	7	C	"	763	580	879	723	303	361	421	425	425	304	369	248	5,801	37,757
	8	E	"	763	581	878	723	607	722	841	847	848	609	738	494	8,651	38,056

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PRODUCTION DATA - PREMIER POOL - continued

COMPANY	W	U		J	F	M	A	J	J	A	S	O	N	D	CUMULATIVE
LEASE	E	N	S-T-R	A	E	R	P	U	U	U	E	C	O	E	PRODUCTION
	L	I		N	B	C	L	N	Y	G	T	T	V	C	1946
	L	T				H	L	E	Y						1-1-47

NASH-WINDFOHR & BROWN - continued

Jackson B - continued

9	F	25-17-30	763	581	372	361	607	722	841	847	848	609	738	494	7,783	34,524
10	H	"	764	581	983	734	303	362	422	425	425	305	369	248	5,921	30,292

PATON BROS. & SERGENT

Sergent 1	H	27-17-30	476	349	407	456	347	316	226	346	370	279	168	235	3,975	43,762
2	A	"	1426	1045	1222	1367	1040	948	679	1036	1015	839	502	705	11,824	49,456

PREMIER PET. CO.

Arnold C

1	B	26-17-30	1240	1120	1240	1200	1271	1106	902	1098	880	994	1178	868	13,097	65,237
2	A	"	954	850	931	895	737	596	408	625	389	622	543	496	8,046	56,481

Arnold D

1	F	27-17-30	20	28	20	49		105	32	40	83	25	41	20	463	1,511
3	C	"	128	112	150	171		265	166	407	232	243	222	197	2,293	84,397

Arnold E

1	P	23-17-30	221	205	126	216	210	217	204	177	336	211	196	105	2,424	84,397
2	D	"	365	252	297	303	345	287	300	280	283	288	269	250	3,519	21,801

Bee son B

1	A	33-17-30	231	317	234	256		436	277	186	198	232	205	238	2,810	19,139
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Maddren-B A

1	P	28-17-30	671	674	666	223	662	647	674	630	655	629	444	686	7,261	90,559
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Maddren-B B

1	M	27-17-30	812	409	561	584	397	510	392	386	480	400	382	571	5,884	97,165
2	L	"	320	152	325	330	211	376	193	187	282	183	217	308	3,084	65,600
3	N	"	815	408	564	530	358	574	397	393	485	399	384	571	5,878	76,696
4	K	"	342	280	305	276	281	290	326	311	264	281	152	164	3,272	37,007
5	O	"	361	331	264	320	296	320	367	312	278	282	163	165	3,459	38,994
6	J	"	530	547	617	594	590	590	548	501	420	449	318	318	6,022	49,862
7	D	"	681	783	765	741	742	673	664	621	529	450	331	318	7,298	52,267
8	L	26-17-30	177	816	422	825	448	817	441	449	444	436	365	231	5,921	42,144

Maddren-B E

1	O	28-17-30			147						101				248	6,797
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PRODUCTION DATA - PREMIER POOL - continued

COMPANY	W	U		J	F	M	A	J	J	A	S	O	N	D	CUMULATIVE		
LEASE	E	N	S-T-R	A	E	R	P	U	U	U	E	C	O	E	PRODUCTION		
	L	I		N	B	H	L	E	Y	G	T	T	V	C	1946		
	T														1-1-47		
REPOLLO OIL CO.																	
Beeson A	2	A	28-17-30	154	227	200	175	225	62	100	226	150	209	264	173	2,165	50,515
	3	I	"	374	486	516	348	295	275	253	300	200	305	265	173	3,990	91,329
WOOLLEY, R. R.																	
Arnold A	1	I	27-17-30	453	420	225	226	219	438	442	448	437	384	226	454	4,372	41,005
	2	G	26-17-30	708	504	684	470	692	490	501	509	528	274	805	231	6,396	50,677
	3	H	"	597	402	593	361	553	362	365	346	347	165	532	181	4,804	42,250
	4	M	23-17-30	793	923	1035	921	1082	847	876	847	642	937	490	874	10,267	42,561
	7	P	22-17-30	849	831	1099	782	1083	847	863	847	642	786	392	811	9,832	11,494
Arnold B	1	D	34-17-30	237	120	242	235	128	252	209	116	228	117	114	227	2,225	28,043
	2	C	"	228	115	210	205	100	200	178	101	207	110	113	226	1,993	16,830
	3	M	26-17-30	221	85		178	84	73		80	81	82		82	966	13,858
	4	G	27-17-30	357	146	231	328	286	351	360	359	350	308	162	318	3,556	27,874
	5	E	"	327	180	319	647	398	390	382	347	318	372	237	342	4,259	24,895
	7	O	22-17-30	496	356	391	357	255	340	252	290	228	193	49	288	3,495	7,765
Woolley	1	C	27-17-30														813

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FIELD TOTAL

24961 21686 23224 22627 21300 21441 19959 20964 19556 17938 16091 16988 246,435 1,945,287

RED LAKE POOL

LOCATION: T. 17 S., R. 28 E. SW 1/4 sec. 2, S 1/2 sec. 3, all secs. 4, 5, 8, 9, 10, W 1/2 sec. 11, W 1/2 sec. 14, all secs. 15, 16, 17, 20 to 26, incl., N 1/2 sec. 27, N 1/2 sec. 28, N 1/2 sec. 29, NE 1/4 sec. 30.

DISCOVERY DATE: 1924.

DISCOVERY WELL: Etz, Hammond & Keyes No. 1 State, SE 1/4 SE 1/4 sec. 16-17-28. T.D. 1964'. Initial potential, 25 bbls. oil per day from Grayburg. Top Queen, 1198'. Elev. 3562'.

GRAVITY OF OIL: 29.2° API. SULFUR: 0.9%.

AVERAGE THICKNESS OF PAY ZONE: 40'.

PRODUCING FORMATION: Yates, Seven Rivers, Queen, Grayburg, and San Andres.

AVERAGE PRODUCING DEPTH: Yates, 790' to 865'; Grayburg, 1710' to 2115'.

DEEPEST TEST: Flynn, Welch & Yates No. 78 State, SE 1/4 NW 1/4 sec. 26-17-28. T.D. 3700'. Temporarily abandoned. Top Salado, 315'; Base Salado, 390'; Top Queen, 1380'. Elevation 3678'.

OIL WELLS, as of 1-1-47:

Flowing	11
Pumping	38
Gas lift	0
Shut in	10

GAS WELLS:

Producing	5
Shut in	11

ABANDONED WELLS: 28

TOTAL WELLS DRILLED: 106

OIL PRODUCTION: 1946

No. of producing wells 49

Yearly production 148,812

Cumulative production to 1-1-47: 750,222 bbls.

GAS PRODUCTION: no accurate figures available

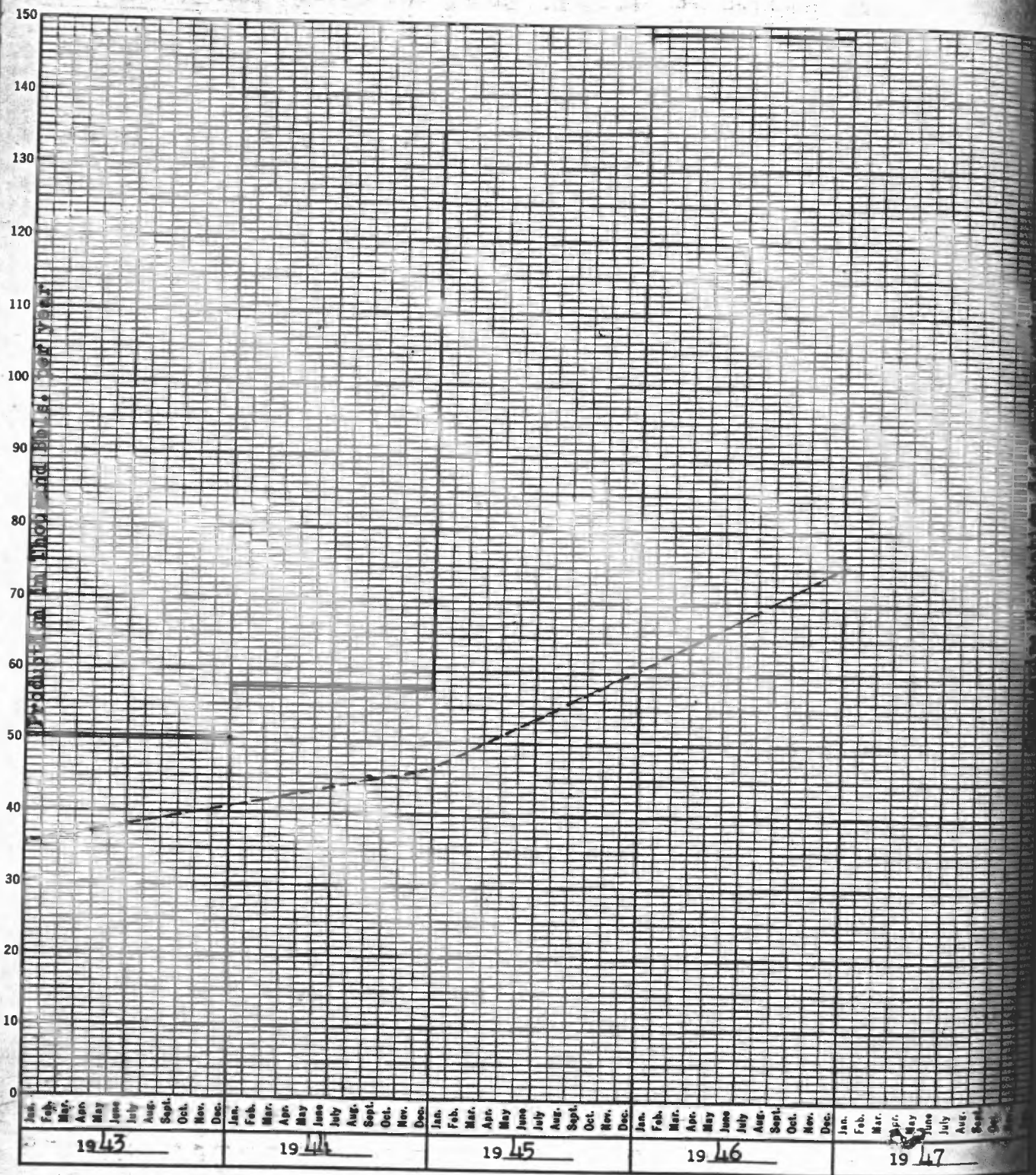
WATER PRODUCTION: none reported.

AREA OF PROVEN PRODUCTION: 1140 acres.

PER-ACRE RECOVERY to 1-1-47: 605 bbls.

Internal gas-drive type reservoir.

RED LAKE POOL Production Curves



Cumulative Production - - - -
 Production Curve - - - -

SUBSURFACE COMPLETION DATA - RED LAKE POOL

COMPANY LEASE	W L	U T	S-T-R	COMP. DATE	INITIAL DAILY PROD. TEST	ELEV.	T.D.	T.P.	SHOT OR ACID		OIL STRING		TUBING		
									AMT.	INTERVAL	SIZE	DEPTH	SIZE	DEPTH	
HAMMOND BROTHERS															
Welch-State	2	M	15-17-28	7-16-46	P-5	3533	PB1985	1946	100	q	1948-1972	7"	525	2"	1964
RED LAKES OIL CO.															
State	14	C	28-17-28	10-31-46	P-30	3604	1986	1887	130	q	1887-1972	7"	1689	2"	1983
WELCH, V.S.															
State	4	I	20-17-28	1-4-46	F-120	3619	1998	1894	50	q	1893-1950	7"	1697	2"	1928

PRODUCTION DATA - RED LAKE POOL

COMPANY LEASE	W L	U T	S-T-R	J N	F B	M H	A L	P L	M Y	J E	J Y	A G	S T	E T	O T	N V	D C	E C	PRODUCTION 1946	CUMULATIVE
																				PROD. 1-1-47
AID, HERBERT (F.W.Y. - State 1-C, 2-F & 3K Formerly Saiken & Aid)																				
F.W.Y.-St.1	C		25-17-28	35	17	40	59	26	13	59	62	62	50	53	40	516	2,024			
	2	F	"	90	45	60	50	40	20	50	75	75	62	65	55	687	2,814			
	3	K	"	90	45	61	50	40	20	50	75	75	62	65	60	693	2,656			
	2	A	"														2,073			
Wentz-St 1	O		24-17-28	54	54		53	53	53	53	53	53	106	107		692	5,009			
ASTON & FAIR																				
State	1	A	30-17-28	871	544	598	364	566	356	191	418	363	318		140	4,729	4,729			
	1	D	1-17-28																	
FLYNN, WELCH & YATES																				
State	77	G	26-17-28	175	224	167	233	225	217	214	424	218	226	2		2,325	6,514			
HAMMOND, T.B.																				
State	1	N	15-17-29			106	53	106	158	158	212		107			900)				
	2	K	"	52		53	53	53	53	53	62		53			432)	10,567			

PRODUCTION DATA - RED LAKE POOL - continued

COMPANY	W E L L	U N I T	J A N U A R Y	F E B R U A R Y	M A R C H	A P R I L	M A Y	J U N E	J U L Y	A U G U S T	S E P T E M B E R	O C T O B E R	N O V E M B E R	D E C E M B E R	PRODUCTION 1946	CUMULATIVE PROD. 1-1-47	
HAMMOND BROTHERS																	
Welch-St 2 M 15-17-28																	
KEYES, F. G.																	
State	1	A	9-17-28													585	
	3	H	9-17-28													2,588	
PATON & SERGENT																	
State	1	J	21-17-28	153	71	76	149	74	73	72	79	75		76	76	974	3,770
PHILLIPS & RAMSEY (Formerly Tigner-Etz & Keyes & Keyes)																	
Keyes A	1	N	10-18-29	52	52	160		106	106	106	105	53	160	108	54	1,062	28,454
State	2	H	9-17-28	470	261	373		320	212	317	159	373	213	268	215	3,181	22,867
RED LAKES OIL CO.																	
Reid	1	G	20-17-28	176		202	96	308	213	282	200	214	319	103	270	2,383	84,838
	2	A	"	176		203	97	309	213	282	201	214	319	103	270	2,387	12,524
State	1-6	K	22-17-28	155	142	225	234	478	434	512	450	392	436	479	395	4,332	
	2	F	"	77	68	98	102	200	191	224	204	172	191	210	70	1,807	
	3	G	"	77	68	98	103	210	191	225	204	172	191	210	71	1,820	
	4-8	L	"	154	104	96	102	210	192	225	204	172	192	210	199	2,060	
	5	B	27-17-28							60						60	
	7	J	22-17-28	77	72	112	117	239	218	257	225	196	218	240	198	2,169	
	9	E	"	77	72	112	117	239	218	257	225	197	218	240	198	2,170	135,659
	10	L	21-17-28	209	72	112	118	239	218	257	225	197	218	240	198	2,303	10,792
	11	N	"	209	72	112	118	240	218	257	225	197	218	240	198	2,304	13,714
	12	D	28-17-28	210	68	98	103	210	193	225	205	172	191	210	71	1,956	8,157
	13	M	21-17-28	210	72	112	118	240	218	257	205	197	218	240	198	2,305	4,326
Stephen A	2	H	20-17-28	146	439	418	197	174		197	214	403	205	209	194	2,796	27,968
Williams A																	
	1-2	E	21-17-28	404	411	176	422	852	835	825	636	953	784	591	774	7,663	117,907
Williams B																	
	1	E	29-17-28	385	165	149	146	151	136	140	55	125	120	97	100	1,769	3,902
SCANNELL, S. E.																	
State	1	O	20-17-28	605	528	509	718	965	976	760	759	544	599	491	463	7,917	16,147
	2	P	"	605	529	510	718	966	976	761	759	545	599	491	463	7,922	11,645
	1	H	30-17-28	109		212	54	106	106	106	53	53	107	108	54	1,068	1,382

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PRODUCTION DATA - RED LAKE POOL - continued

COMPANY	LEASE	W L	U T	S-T-R	J A N B	F E B	M	A	J U N E	J U L Y	A U G	S E P	O C T	N O V	D E C	CUMULATIVE PRODUCTION 1946	CUMULATIVE PROD. 1-1-47	
							R I C H	P R I N C I P L E										
SOUTHERN UNION GAS CO.																		
Reid	1	F	29-17-28		207		225	464	340	567	1159	431	450	362	501	5,006	7,865	
	2	B	20-17-28		193		211	406	300	500	406	400	435	300	399	3,550	4,091	
State	1	K	21-17-28	225	225	229	388	179	184	178	201	202	229	219	202	2,661	6,435	
	2	C	29-17-28	896	677	871	833	1247	1200	883	1114	875	852	452	676	10,576	17,614	
	3	D	"	684	679	672	589	327	218	429	224	361	216	221	185	4,805	10,242	
	4	A	"	684	298	444	401	1086	647	891	640	658	625	439	639	7,452	10,280	
	5	B	"	447	444	667	440	879	811	433	800	442	434	444	461	6,702	13,028	
	10	G	30-17-28		157	158	108	108	106	53	53	53	107	107	108	1,118	1,118	
Thompson	1	K	"	225	220	449	450	456	437	224	452	222	441	234	230	4,040	9,698	
	2	L	"	384	213	186	297	290	387	342	173	359	223	206	451	3,511	5,722	
	3	N	"	229	215	127		174	128		165	161			207	1,406	3,310	
	4	M	"	927	451	906	892	1306	1103	1335	1101	650	873	671	680	10,895	15,510	
TIGNER, ETZ & KEYES																		
Keyes A	6	E	10-17-28														3,645	
	7	L	"														1,199	
WELCH & WELCH																		
State	1-4	I	20-17-28	255	371	495	548	883	485	752	663	666	579	571	458	6,726	46,423	
	2	J	"	255	185	247	274	442	242	376	331	333	290	286	229	3,490	44,522	
	3	A	"	256	186	247	274	442	242	376	331	333	290	286	229	3,492	5,909	
FIELD TOTAL					11570	8916	10946	10674	16687	13857	14711	15166	12608	12744	10254	10679	148,812	750,222

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ROBINSON POOL

LOCATION: T. 16 S., R. 31 E. S 1/2 sec. 25, E 1/2, SE 1/4 sec.
34, all sec. 35, N 1/2, SW 1/4 sec. 36.
T. 16 S., R. 32 E. SW 1/4 sec. 30, NW 1/4 sec. 31.

DISCOVERY DATE: August 1927.

DISCOVERY WELL: The Texas Co. No. 1 Robinson, sec. 25-16-31.
T.D. 4015'. Initial potential, pump 25 bbls.
oil per day. Top Rustler, 950'; Base Salado,
2110'; Top Yates, 2310'; Top Queen, 3210'; Top
San Andres, 3925'. Elevation 4223'.

GRAVITY OF OIL: 34.5° API. SULFUR: 0.9%.

AVERAGE THICKNESS OF PAY ZONE: 40'.

PRODUCING FORMATION: Grayburg, San Andres.

AVERAGE PRODUCING DEPTH: 3550' to 4020'.

DEEPEST TEST: Repollo Oil Co. No. 3 West, NE 1/4 NE 1/4 sec. 3-17-31.
T.D. 4483'. P. & A. Completed 7-5-39. Top
Rustler, 625'; Top Salado, 815'; Base Salado,
1815'; Top Yates, 1985'; Top Queen 2895'; Top San
Andres, 3595'. Elevation 3999'.

OIL WELLS, as of 1-1-47:

Flowing	4
Pumping	12
Gas lift	0
Shut in	2

GAS WELLS: 0

ABANDONED WELLS: 3

TOTAL WELLS DRILLED: 21

OIL PRODUCTION: 1946

No. of producing wells 16

Yearly production 39,795

Cumulative production to 1-1-47: 538,122 bbls.

GAS PRODUCTION: estimated, cumulative to 1-1-47, 210 million cu. ft.

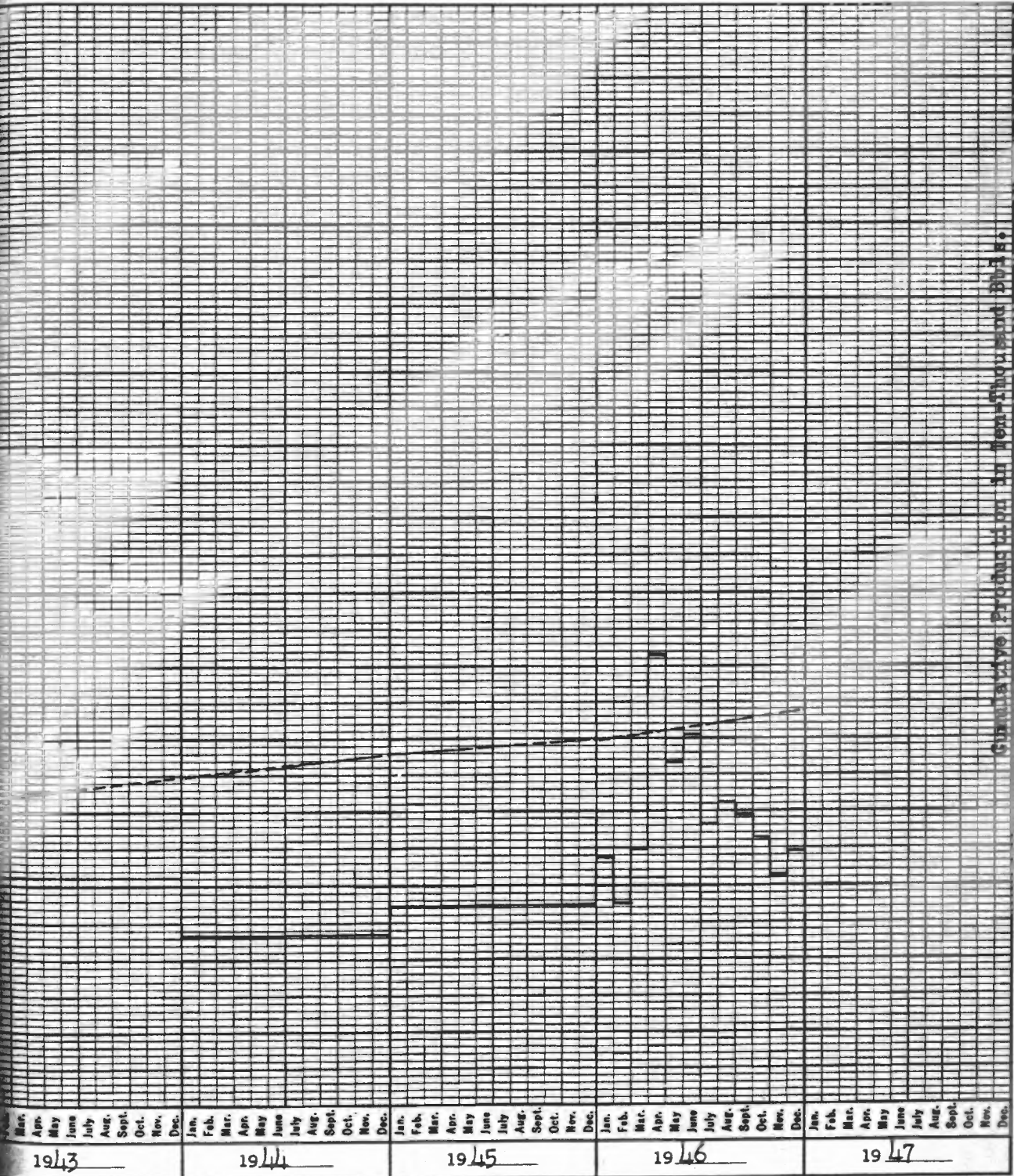
WATER PRODUCTION: none reported.

AREA OF PROVEN PRODUCTION: 600 acres.

PER-ACRE RECOVERY to 1-1-47: 899 bbls.

Internal gas-drive type reservoir.

ROBINSON POOL Production Curves



Cumulative Production-----
 Production Curve-----

PRODUCTION DATA - ROBINSON POOL

COMPANY LEASE	W	U	J	F	M	A	M	J	J	A	S	O	N	D	CUMULATIVE PRODUCTION 1946	1-1-47	
	E	N			A	R		P	U		U						E
	L	I	A	E	C	I	A	N	L	U	P	C	O	E			
	L	T	S-T-R	N	B	H	L	Y	E	Y	G	T	T	V	C		
CARPER DRILLING CO.																	
Johnson A	1	G	35-16-31	436	205	665	880	434	606	428	423	514	502	412	442	5,947	93,403
	2	H	"	186	213		223	169	90		152		87	198	111	1,429	37,322
	3	K	"	247			353	352	504	339	349	293	432	189	306	3,364	15,549
	4	N	"	186			293	290	444	276	287	231	370	189	246	2,812	22,723
Johnson B	1	I	34-16-31	267	579	267	751	534	465	319	506	295	457	634	278	5,352	11,180
	2	P	"	152	158	112	601	379	314	163	351	170		158		2,558	4,153
Robinson A	1	K	25-16-31														45,342
	2	L	"	24	473	408		268	305	358	348	114	372	17	339	3,026	7,732
	3	O	"	104			176	22	72	25	43	94				536	58,566
	4	N	"	311			297	44	135	47	81	95				1,010	60,059
HARRISON, R. L.																	
State	1	B	36-16-31	454		916	469	761	414	456	121	726	382	385	382	5,476	52,757
	2	A	"														242
SUPPES, G. B.																	
Johnson A	1	F	35-16-31		260	149	290	243	243	237	244	214	124	197	220	2,421	33,173
	2	I	"	225	260	149	290	246	244	237	244	214	125	198	220	2,652	37,755
	3	L	"	226	168	149	257	158	180	165	175	214	150	150	150	2,142	34,509
	4	D	"			97	257		194	153	111	116	42	50	50	1,070	23,657
<hr/>																	
FIELD TOTAL				2818	2316	2912	5137	3900	4210	3203	3435	3290	3043	2629	2902	39,795	538,122

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RUSSELL POOL

LOCATION: T. 20 S., R. 28 E. S 1/2 sec. 12, all secs. 13, 14, 23,
W 1/2 sec. 24.

DISCOVERY DATE: March 1942.

DISCOVERY WELL: Neil H. Wills No. 1 Wills, NW 1/4 SW 1/4 sec. 13-20-28.
T.D. 906'. Initial potential, pump 27 bbls. oil
per day. Completed 3-30-42. Base Salado, 583'.
Top Yates, 745'. Elevation 3250'.

GRAVITY OF OIL: 36.2° API. SULFUR 0.8%.

AVERAGE THICKNESS OF PAY ZONE: 45'.

PRODUCING FORMATION: Yates.

AVERAGE PRODUCING DEPTH: 770' to 960'.

DEEPEST TEST: Midwest No. 1 Mell, SE 1/4 SE 1/4 sec. 23-20-28. T.D.
2500'. P. & A. Top Salado, 500'; Base Salado,
630'; Top Yates, 770'. Elevation 3242'.

OIL WELLS, as of 1-1-47:

Flowing	0
Pumping	35
Gas lift	0
Shut in	0

GAS WELLS:

Producing	0
Shut in	4

ABANDONED WELLS: 13

TOTAL WELLS DRILLED: 52

OIL PRODUCTION: 1946

No. of producing wells 35

Yearly production 104,765

Cumulative production to 1-1-47: 284,067 bbls.

GAS PRODUCTION: small (none reported).

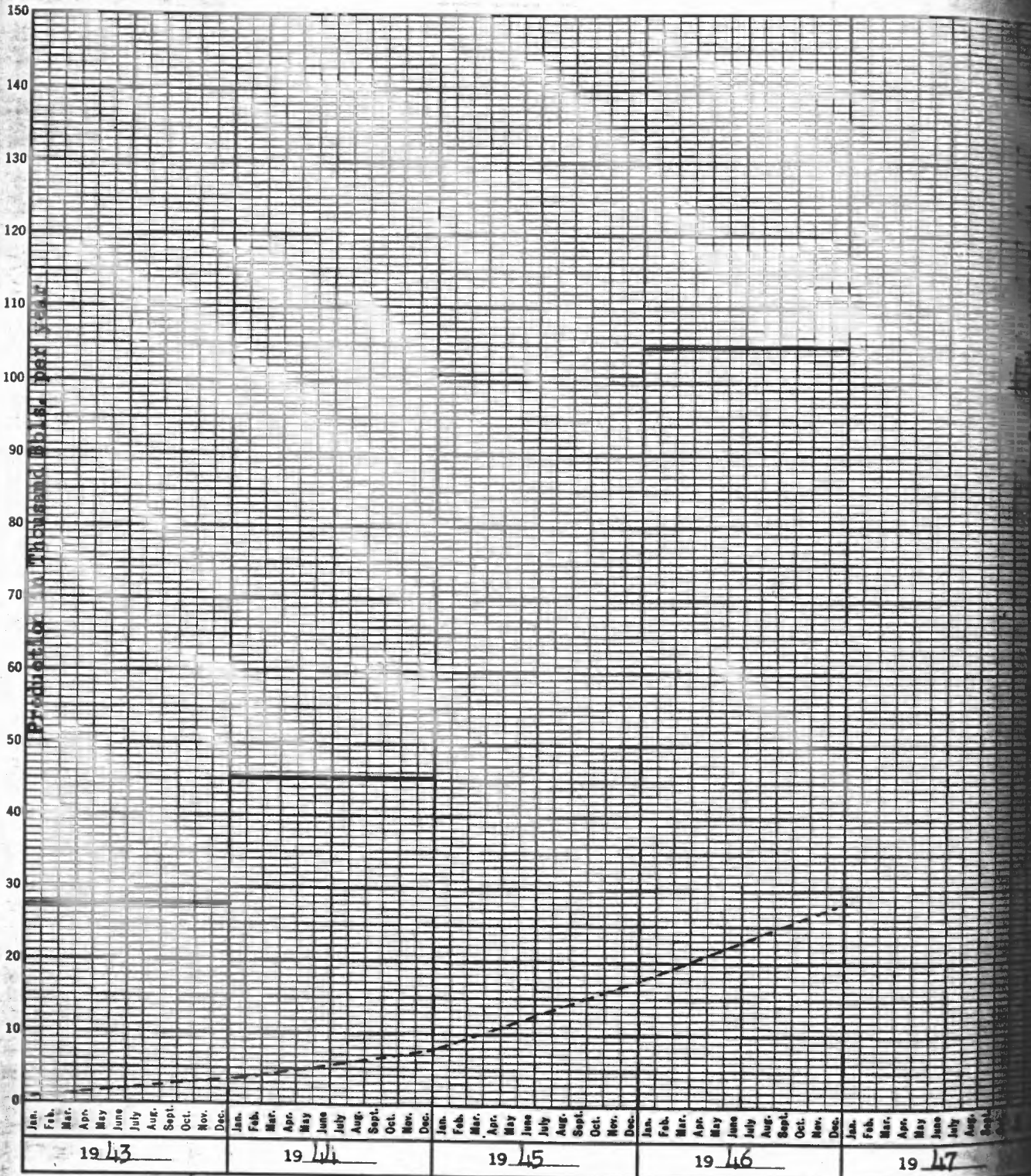
WATER PRODUCTION: water produced; actual figures not available.

AREA OF PROVEN PRODUCTION: 640 acres.

PER-ACRE RECOVERY to 1-1-47: 444 bbls.

Water-drive type of reservoir.

RUSSELL POOL Production Curves



Cumulative Production ----
Production Curves ———

SUBSURFACE COMPLETION DATA - RUSSELL POOL

COMPANY LEASE	W	U	S-T-R	COMP. DATE	INITIAL DAILY PRODL TEST	ELEV.	E.D.	T.P.	SHOT OR ACID		OIL STRING		TUBING		
	L	I							AMT.	INTERVAL	SIZE	DEPTH	SIZE	DEPTH	
JAMISON-POLLARD															
Crosby	4	J	12-20-28	3-17-46	P & A	3263	2178								
JOHNSON-NIPPER & BROWN															
Vickers	1	D	25-20-28	4-1-46	P & A	3241	969		200q	889-969					
TURNER, GEORGE															
Wills	13	C	13-20-28	6-28-46	F-480	3257	847	819	50q	816-844	7"	742	2"	845	
	14	K	"	8-1-46	P-46	3249	835	804	60q	806-831	6"	715	2"	834	
	15	N	"	9-19-46	P-30	3244	810	789	40q	789-808	7"	695	2"	790	
	16	F	"	12-15-46	P-50	3253	826	797	60q	797-826	7"	731	2"	825	
WILLS, NEIL H.															
Wills	12	L	13-20-28	2-10-46	P & F -127	3248	824	800	50q	800-825	7"	687	2"	824	
	13	M	13-20-28	2-25-46	P-45	3244	797	772	40q	772-793	7"	657	2"	797	
	14	P	14-20-28	7-9-46	1 Mill.Gas	3240	993	785			8-5/8"	655	2"	743	
	15	P	14-20-28	7-30-46	G.L. 50	3240	784	764	40q	764-784	7"	663	2"	770	
	16	M	13-20-28	8-20-46	P-48	3246	811	805	30q	796-811	5-1/2"	681	2"	805	
	17	L	13-20-28	9-30-46	P-30	3247	812	782	100q	782-808	7"	672	2"	735	

PRODUCTION DATA - RUSSELL POOL

COMPANY LEASE	W	U	S-T-R	J	F	M	A	M	U	J	U	A	E	O	N	D	CUMULATIVE PRODUCTION 1946	CUMULATIVE PROD. 1-1-47
	L	I																
JOHNSON et al																		
Vickers	1	B	23-20-28														80	80
SUDDERTH & HICKS																		
Vickers	1	A	23-20-28					369				678	965		770	1089	3,871	10,153
GEORGE TURNER																		
Crosby	1-2	O	12-20-28	875	655	495	773	1307	460	680	972	817	780	940	812		9,566	21,165
Wills	15-1-11	N	13-20-28	480	426	418	600	636	557	290	759	813	1077	972	657		7,685	23,601

PRODUCTION DATA - RUSSELL POOL - continued

COMPANY	W	U		J	F	M	A	J	J	A	S	O	N	D	CUMULATIVE
LEASE	E	N		A	E	R	P	U	U	U	E	C	O	E	PRODUCTION
	L	I	S-T-R	N	B	C	L	A	L	G	T	T	V	C	1946
	L	T		N	B	H	L	Y	E	Y	G	T	V	C	1-1-47

TURNER, GEORGE - continued

Wills 2-12-14	K	13-20-28		586	552	602	712	608	282	713	1585	1162	1266	1176	1312	11,150	28,815
3-10	J	"		480	426	418	600	636	557	290	759	542	718	648	657	6,731	21,952
4-8-16	F	"		586	552	602	712	610	282	475	1057	975	844	984	1181	8,860	27,672
6-9-13	C	"		350	504	324	651	326	496	678	761	888	1152	963	906	7,999	17,464
7	O	"		240	213	209	300	318	279	145	380	271	359	324	328	3,366	8,727

WILLS, NEIL H.

Wills 1-10-12-17	L	13-20-28		457	425	639	801	676	647	301	763	707	894	770	822	7,902	28,195
2-6-13-16-18	M	"		530	446	632	809	753	616	334	756	744	859	793	710	7,982	27,254
3-7	G	"		529	534	600	492	462	317	440	778	840	1247	884	1031	8,154	29,540
4	E	"		58	132		50				52	97	84	92	205	770	1,087
5-11	B	"		871	1	690	617	405	313	507	821	1014	1159	695	1134	8,227	19,161
8	A	"		507	433	672	532	449	381	485	788	1006	1020	846	1164	8,283	15,068
15	P	14-20-28									708	860	786	743	1036	4,133	4,133

FIELD TOTAL 6549 5299 6301 7599 7605 5187 5338 11697 12001 12245 11900 13044 104,765 284,067

SCANLON POOL

LOCATION: T. 20 S., R. 29 E. SW 1/4 sec. 29, SE 1/4 sec. 30.

DISCOVERY DATE: July 1944.

DISCOVERY WELL: Martin Yates, III; #1, Stebbins; SW SW, 29-20-29
TD 931, PB 728; I.P. flow 5,700 MCF GPD; Rock
Pressure 290#, Elev. 3241.

GRAVITY OF OIL: Gas Field.

AVERAGE THICKNESS OF PAY ZONE: 7'.

PRODUCING FORMATION: Tansill (Permian)

AVERAGE PRODUCING DEPTH: 700-720.

DEEPEST TEST: Martin Yates III; No. 2, Stebbins, SE SE; 30-20-29;
TD 962, PB 780, I.P. Flow 5,000 MCF GPD. Elev. 3248.

OIL WELLS, as of 1-1-47:

Flowing	0
Pumping	0
Gas Lift	0
Shut In	0

GAS WELLS:

Producing	0
Shut In	2

ABANDONED WELLS: 2

TOTAL WELLS DRILLED:

PRODUCTION DATA:

Oil Production
No. Producing Wells
Yearly
Cumulative, to 1-1-47

GAS PRODUCTION: Wells shut in since completion.

WATER PRODUCTION: None.

NUMBER PROVEN PRODUCTIVE ACRES. 80 acres.

PER-ACRE RECOVERY to 1-1-47: 0.

RESERVOIR DATA: Gas drive reservoir.

SHUGART POOL

LOCATION: T. 18 S., R. 31 E. S 1/2 sec. 34, SW 1/4 sec. 35,
T. 19 S., R. 31 E. NW 1/4 sec. 2, N 1/2 sec. 3.

DISCOVERY DATE: July 1937.

DISCOVERY WELL: R.A. Shugart No. 1 Coulthard, NW 1/4 SW 1/4 sec.
35-18-31. T.D. 4088'. PB 3920'. Initial
potential, pump 42 bbls. oil per day. Top pay,
3440'; Top Salado, 950'; Base Salado, 2155'; Top
Yates, 2400'; Top Queen, 3405'. Elevation 3532'.

GRAVITY OF OIL: 38.2° API. SULFUR: 0.9%.

AVERAGE THICKNESS OF PAY ZONE: 25'.

PRODUCING FORMATION: Yates, Queen.

AVERAGE PRODUCING DEPTH: 2656' to 3475'.

DEEPEST TEST: F. J. Postelle No. 1 Ohio State, NE 1/4 NW 1/4 sec.
2-19-31. T.D. 3953'. P. & A. Base Salado, 2280';
Top Queen, 3423'. Elevation 3626'.

OIL WELLS, as of 1-1-47:

Flowing	9
Pumping	2
Gas lift	0
Shut in	0

GAS WELLS: 0

ABANDONED WELLS 3

TOTAL WELLS DRILLED: 11

OIL PRODUCTION: 1946

No. of producing wells 11

Yearly production 67,221

Cumulative production to 1-1-47: 486,693 bbls.

GAS PRODUCTION; relatively small volume.

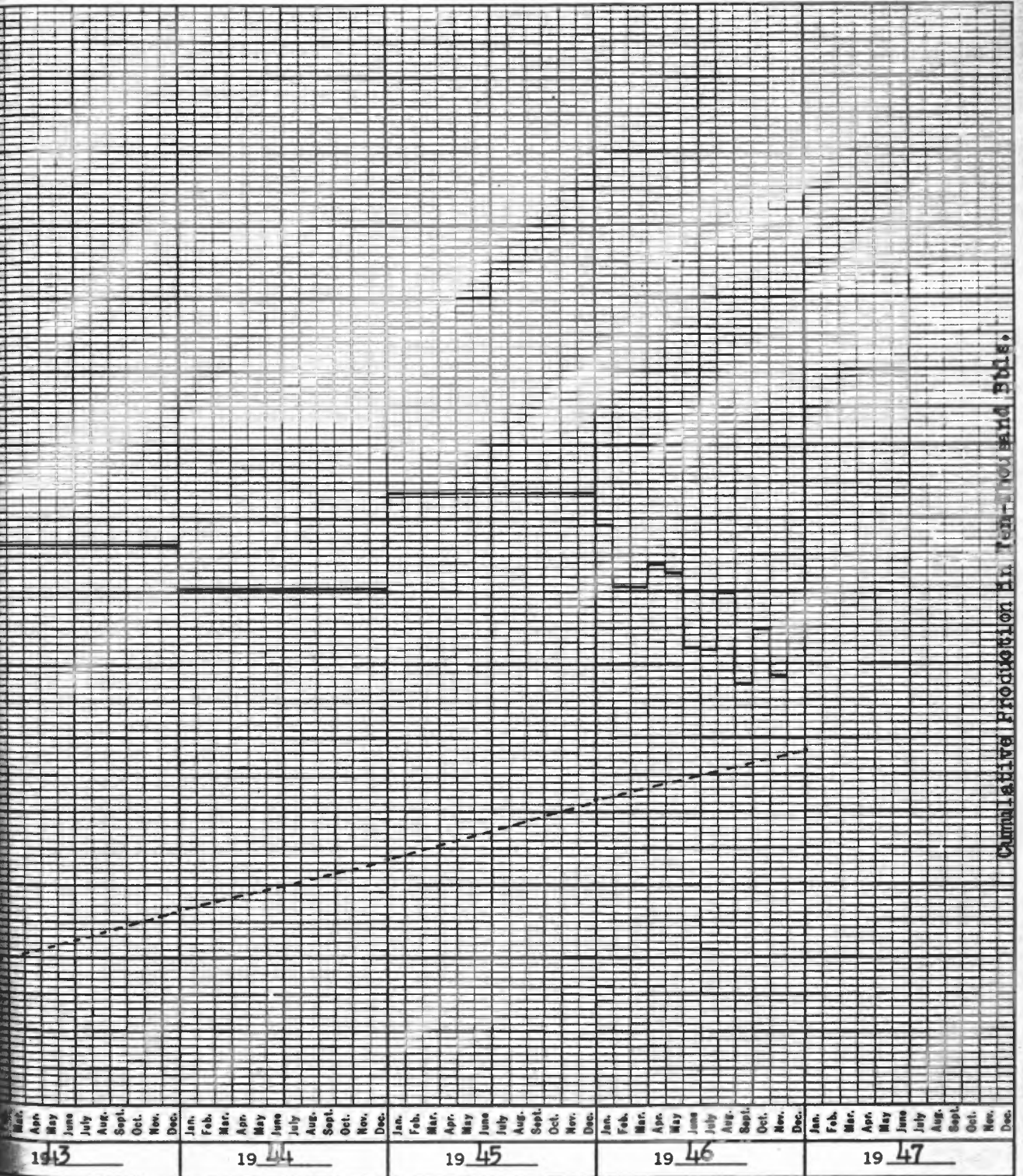
WATER PRODUCTION; none reported.

AREA OF PROVEN PRODUCTION: 440 acres.

PER-ACRE RECOVERY to 1-1-47: 1105 bbls.

Internal gas-drive type of reservoir.

SHUGART POOL Production Curves



Cumulative Production in Feet Per Second

Cumulative Production ----
Production Curve _____

PRODUCTION DATA - SHUGART POOL

COMPANY LEASE	W L	U I S-T-R	J A N	F E B	M A R C H	A P R I L	J M A Y	J U N E	J U L Y	A U G	S E P T	O C T	N O V	D E C	PRODUCTION 1946	CUMULATIVE PROD.	
																1-1-47	
CARPER DRILLING CO. ET AL																	
Day-Quillen	1	A	3-19-31	704	911	684	703	880	460	861	864	663	690	699	698	8,817	95,645
Hinkle	1	O	34-18-31	900	678	812	698	700	695	696	695	686	800	706	660	8,726	75,316
	2	P	"	621	425	502	397	390	394	385	384	386	490	406	349	5,129	54,056
KEOHANE, B. M.																	
Hinkle A	1	L	35-18-31	449	446	438	433	417	353	363	294	299	421	296	297	4,506	41,905
	2	J	34-18-31	449	445	438	433	418	354	364	294	300	421	297	296	4,509	11,543
	3	I	"	450	445	438	434	418	354	364	293	300	422	297	297	4,512	6,452
Hinkle B	1	N	"	456	246	483	469	245	473	241	445	242	243	245	492	4,280	11,182
	2	K	"	456	246	483	470	245	473	242	445	241	244	245	493	4,283	11,674
KEOHANE & SAUNDERS																	
McFaddin	2	C	3-19-31	958	945	724	951	958	705	718	946	720	724	732	719	9,800	81,379
	4	B	"	958	945	724	952	959	705	719	946	720	724	733	720	9,805	73,939
ME-TEX SUPPLY CO.																	
State	1	D	2-19-31	204	193	227	221	429	225	227	222	224	225	224	233	2,854	23,602
<hr/>																	
FIELD TOTAL				6605	5925	5953	6161	6059	5191	5180	5828	4781	5404	4880	5245	67,221	486,693

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SHUGART, NORTH, POOL

LOCATION: T. 18 S., R. 31 E. S 1/2 sec. 8, S 1/2 sec. 9, S 1/2 sec. 10, S 1/2, NE 1/4 sec. 11, W 1/2 sec. 12, NW 1/4 sec. 13, N 1/2 sec. 14, all secs. 15, 16, 17, 18, 20, 21, N 1/2 sec. 22, N 1/2 sec. 28, N 1/2 sec. 29.

DISCOVERY DATE: By order effective January 1, 1945, pool established and defined by New Mexico Oil Conservation Commission.

DISCOVERY WELL: The wells in the North Shugart pool originally were included in the Shugart pool.

GRAVITY OF OIL: 33° API.

AVERAGE THICKNESS OF PAY ZONE: 15'.

PRODUCING FORMATION: Queen, Permian.

AVERAGE PRODUCING DEPTH: 3100' to 3600'.

DEEPEST TEST: Worth Drlg. Co. No. 1 Taylor B, SW 1/4 NW 1/4 sec. 12-18-31. T.D. 4890'. PB 4290'. Initial potential, pump 12 bbls. oil per day. Top pay, 4135'; Top Salado, 980'; Top Queen, 3480'. Elev. 3771'.

OIL WELLS, as 1-1-47:

Flowing	0
Pumping	22
Gas lift	0
Shut in	3

GAS WELLS: 0

ABANDONED WELLS: 7

TOTAL WELLS DRILLED: 33

OIL PRODUCTION: 1946

No. of producing wells 22

Yearly production 49,222

Cumulative production to 1-1-47: 738,199 bbls.

GAS PRODUCTION: relatively small volume.

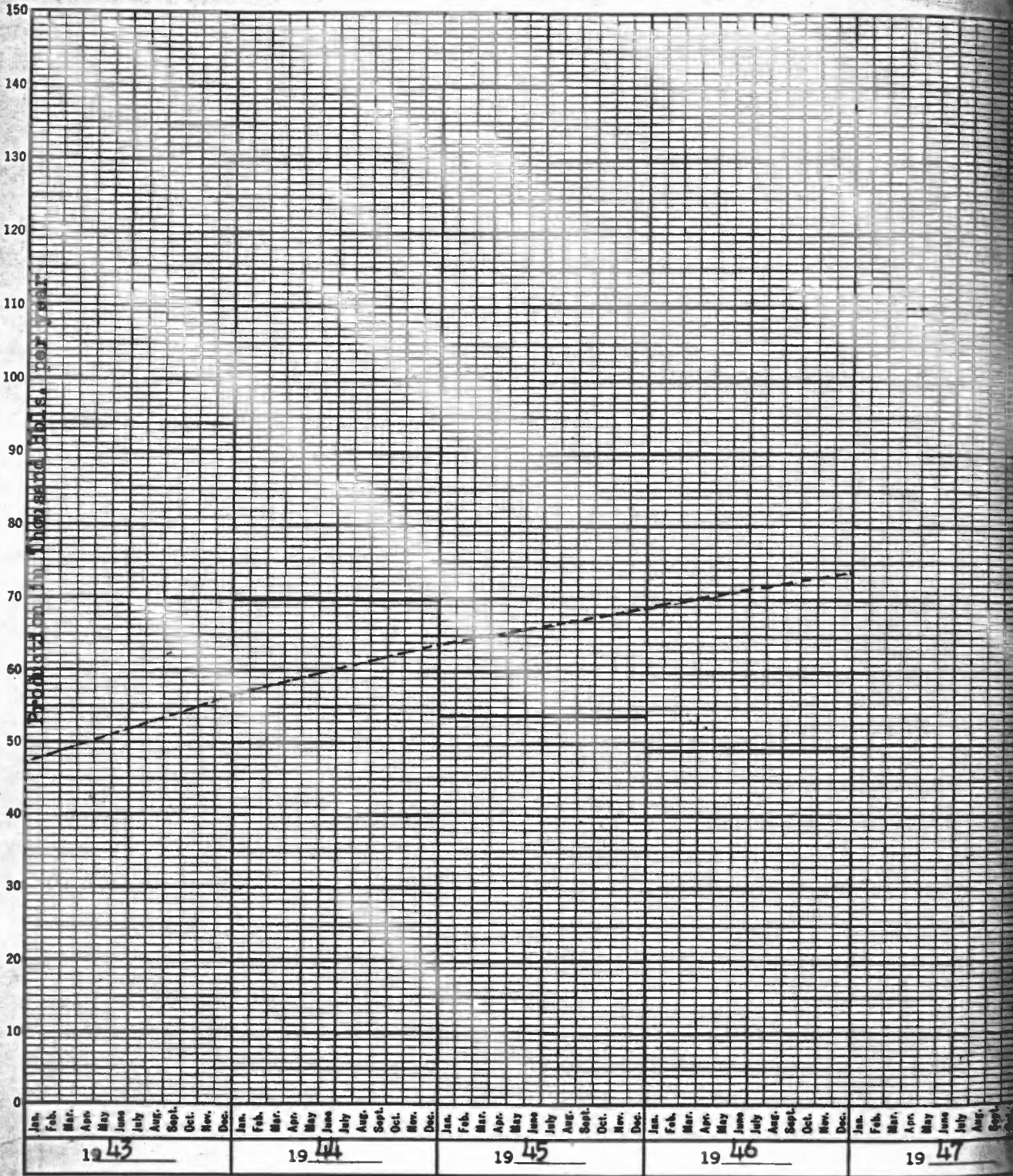
WATER PRODUCTION: none reported.

AREA OF PROVEN PRODUCTION: 1000 acres.

PER-ACRE RECOVERY to 1-1-47: 739 bbls.

Internal gas-drive type of reservoir.

NORTH SHUGART POOL Production Curves



Cumulative Production-----
Production Curve-----

COMPANY LEASE	W	U	J	F	M	A	M	J	J	A	S	O	N	D	E	O	N	D	CUMULATIVE PRCD.
	E	N			A	R		P	U		U								

FULLERTON OIL CO.

Little A	1	D	28-18-31	231		178		229		192		188							1,018	23,648
B	1	A	"											191					191	2,953
B	3	M	21-18-31	230		203			165										598	13,736

GREEN BAY COMPANY

Paton-Irwin	1	M	9-18-31	156	106	112	220	228	204	227	228	218	111	337	339				2,486	57,473
	2	N	"	157	107	112	221	229	204	227	228	219	111	337	340				2,492	57,497
Paton-Johnson	1	P	11-18-31	215	219	231	219	223	228	199	217	187	190	178	97				2,403	26,989

JOHNSON, BOB

Swearington	1	F	14-18-31	636	627	600	628	679	584	639	654	585	610	562	441				7,245	72,314
	2	A	"	233	179	170	184	172	201	182	180		235	228	185				2,149	26,063

KENWOOD OIL CO. (Formerly Addison Oil Co.)

Ginsberg A	1	A	17-18-31	153	153	298	152	151	152	150	151	151	151	140	153				1,955	50,966
	2	G	"	61	61	120	61	61	61	60	61	61	61	56	62				786	23,787
	3	B	"	153	153	298	152	151	151	152	150	151	151	140	153				1,955	32,767
	4	H	"	123	123	240	122	122	121	122	121	122	122	113	123				1,574	27,641
Ginsberg B	1	K	18-18-31	237		300		303		300		244			305				1,689	12,943
Shugart	1	A	29-18-31	197	196	392	194	182	194	379	195	194	194	197	196				2,710	46,143
	2	B	"	295	295	587	291	273	290	568	292	291	291	295	293				4,061	23,491

MALCO REFINERIES INC. (Formerly Wilmar Oil Co.)

Ginsberg A	2	P	8-18-31	115		117		105	112		85		114		118				766	50,855
	3	O	"	115		117		106	113		86		114		118				769	29,144
Ginsberg B	1	F	17-18-31	179		63	178	83	164		162		156		141				1,126	12,646
	2	C																		9,882

METEX

State 16	2	D	16-18-31						199										199	4,620
	3	C	16-18-31																	3,551

SUPPES & SUPPES (FORMERLY R. SHUGART)

State N	1	G	16-18-31	181	151	125			185		187		196		204				1,229	13,660
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WORTH DRUG. CO.

Taylor A	1	M	12-18-31	682	443	437	452	451	643	420	480	481		481	473				5,443	66,068
	2	L	"	734	506	504	498	506	753	513	458	468	487	465	486				6,378	48,141
B	1	E	"																	1,181

FIELD TOTAL				5083	3319	5001	3775	4025	4789	4301	4128	3372	3482	3529	4418				49,222	738,159
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SQUARE LAKE POOL

LOCATION: T. 16 S., R. 30 E. S 1/2 sec. 24, all secs. 25, 26, 27, S 1/2 sec. 28, E 1/2 sec. 32, all secs. 33, 34, 35, 36.
T. 16 S., R. 31 E. S 1/2 sec. 19, S 1/2 sec. 20, S 1/2 sec. 21, SW 1/4 sec. 27, all secs. 28 to 33, incl., W 1/2 sec. 34.
T. 17 S., R. 30 E. All secs. 1, 2, 3, 4, E 1/2 sec. 5, N 1/2 N 1/2 sec. 11.
T. 17 S., R. 31 E. N 1/2 sec. 6.

DISCOVERY DATE: November 1941.

DISCOVERY WELL: Sanders Bros. No. 1 Leonard, NW 1/4 SW 1/4 sec. 34-16-30. T.D. 2982'. Initial potential, 77 bbls. oil per day with 49 MCF gas from Grayburg. Top Salado, 470'; Base Salado, 1180'; Top Yates, 1345'; Top Queen, 2215'; Top San Andres, 2965'. Elevation 3742'.

GRAVITY OF OIL: 38.7° API. SULFUR: 0.9%.

AVERAGE THICKNESS OF PAY ZONE: 50'.

PRODUCING FORMATION: Sand and limestone of Grayburg and upper San Andres.

AVERAGE PRODUCING DEPTH: 2930' to 3617'.

DEEPEST TEST: S.P. Yates No. 3 Evans, NW 1/4 NE 1/4 sec. 5-17-30. T.D. 6578' in shale of Abo. P. & A. Base Salado, 1050'; Top Yates 1230'; Top Queen, 2100'; Top San Andres, 2855'; Top Glorieta, 4275'. Elevation 3714'.

OIL WELLS, as of 1-1-47:

Flowing	187
Pumping	21
Gas lift	0
Shut in	8

GAS WELLS:

Producing	0
Shut in	2

ABANDONED WELLS: 14

TOTAL WELLS DRILLED: 232

OIL PRODUCTION: 1946

No. of producing wells 208

Yearly production 848,807

Cumulative production to 1-1-47: 4,374,663 bbls.

GAS PRODUCTION: estimated, cumulative to 1-1-47, 6035 million cu. ft.

WATER PRODUCTION: small (none reported).

AREA OF PROVEN PRODUCTION: 7640 acres.

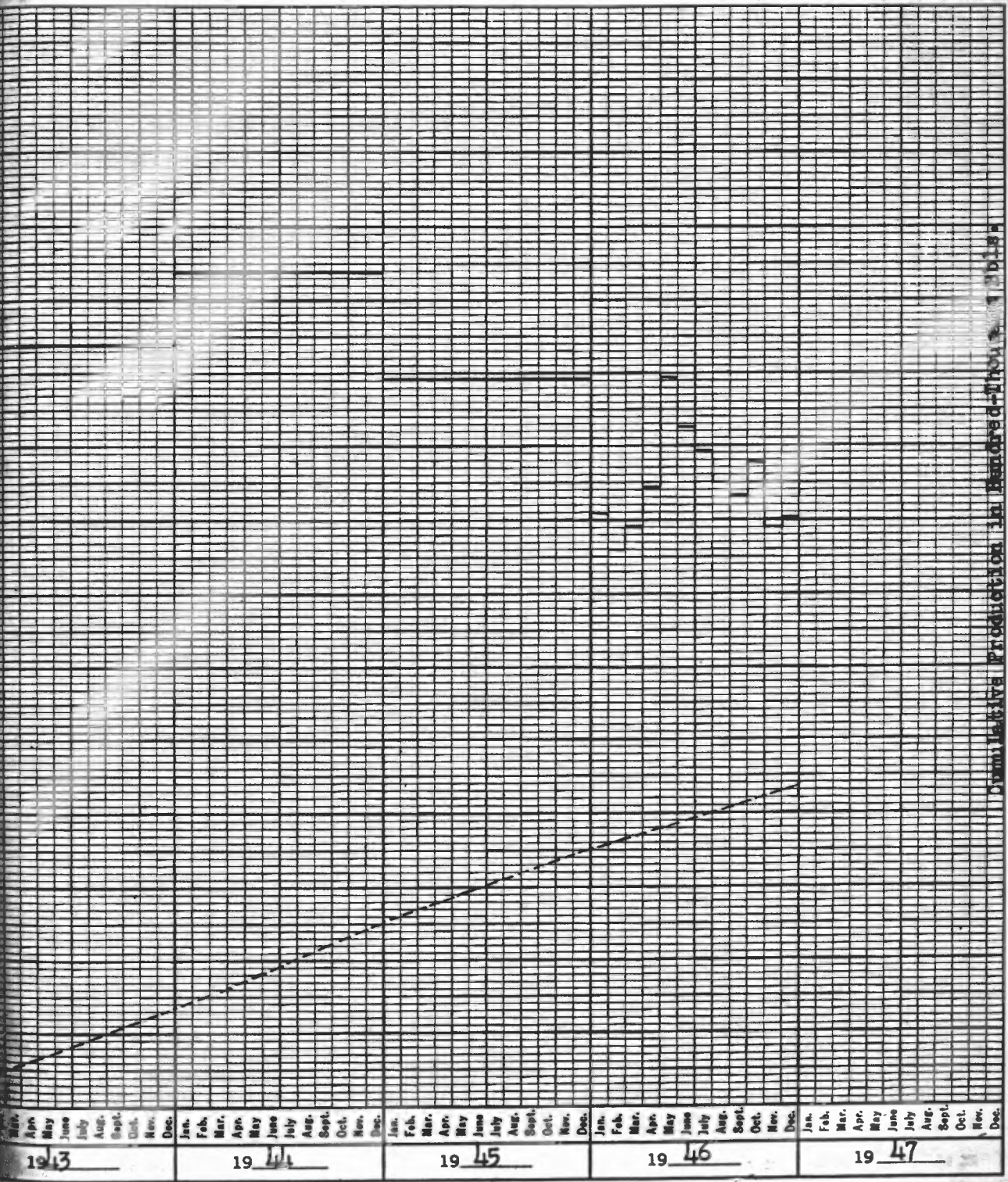
PER-ACRE RECOVERY to 1-1-47: 572 bbls,

GAS-OIL RATIO: estimated, as of 1-1-47, 1500/1.

Gas-drive type reservoir. Original gas cap location in SW 1/4 sec. 25-16-30.

Original bottom hole pressure, estimated 950 lbs.

SQUARE LAKE POOL
Production Curves



CUMULATIVE PRODUCTION IN HUNDREDS OF TONS

Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1943												1944												1945												1946												1947											

Cumulative Production-----
Production Curve—————

SUBSURFACE COMPLETION DATA - SQUARE LAKE POOL

COMPANY LEASE	W L	U I	S-T-R	COMP. DATE	INITIAL DAILY PROD. TEST	ELEV.	T.D.	T.P.	SHOT OR ACID		OIL STRING		TUBING		
									AMT.	INTERVAL	SIZE	DEPTH	SIZE	DEPTH	
CARPER DRILLING CO.															
Johnson	5	K	34-16-31	3-23-46	F-135	4009	3537	3450	125q	3450-3525	5-1/2	3370	2	3495	
Johnson B	6	N	34-16-31	6-7-46	F-150	3999	3592	3490			5-1/2	3362	2	3589	
FLYNN, WELCH & YATES															
Gissler B	1	A	11-17-30	3-10-46	F-65	3746	3065	2930	200q	2930-3040	7	2830	2	3035	
NASH, WINDFOHR & BROWN															
Gissler B	7	B	11-17-30	1-15-46	F-150	3751	3062	2933	330q	2920-3052	5-1/2	2840	2	3049	
	8	D	"	9-20-46	F-40	3733	3266	2908	400q	2900-3050	5-1/2	2800	2	3050	
REPOLLO OIL CO.															
MoIntyre D	8	B	9-17-30	9-11-46	P & A	3709	3261								
West A	1	C	3-17-31	9-20-46	P & A	3981	3690								
West B	3	C	4-17-31	5-28-46	F-188	3950	3497	3400	230q	3365-3440	7	3295	2	3490	
	4	D	"	10-5-46	F-40	3933		3285	150q	3272-3424	7	3110	2-1/2	3100	
SANDERS BROS.															
Leonard E	13	J	4-17-30	1-15-46	F-60	3702	3153	3060PB	2920	150q	2905-3060	7	2740	2	2850
SNOWDEN OIL & GAS CO.															
Etz	6	L	26-16-30	6-1-46	P & A	3784	3700								
	7	J	"	6-27-46	F-55	3798	3202		2968	260q	3097-3200	5-1/2	2900	2	3035
Evans	13	K	4-17-30	5-29-46	F-50	3704	3102	2910PB	2885			5-1/2	2757	2	2890
	14	L	"	8-4-46	F-35	3703	2934		2808	90q	2808-2885	5-1/2	2700	2	2930
	15	N	"	8-1-46	F-40	3703	3025		2777	170q	2703-2825	5-1/2	2698	2	2750
Leonard E	7	E	"	7-25-46	F-17	3719	3050	3025PB	2725	330q	2725-3025	5-1/2	2750	2	2700
	14	I	"	4-22-46	F-40	3713	3121		2795	240q	2795-3110	7	2790	2	2650
	15	O	"	5-15-46	F-100	3709	3076		2896	80q	3025-3055	5-1/2	2750	2	2910
	16	P	"	5-16-46	F-100	3704	3125		2835			5-1/2	2750	2	2925
State	10	P	36-16-30	6-6-46	P-100	3820	3147		3001	270q	3001-3105	5-1/2	2943	2	3143
	11	O	36-16-30	6-27-46	F-50	3792	3535		2995	100q	3345-3430	5-1/2	2961	2	3287
Etz	9X	L	35-16-30	12-31-46	Temp.Aban.	3763	3565			95q	2930-2990	7	2865		
SUPPES & SUPPES															
Johnson B	9	F	34-16-31	3-16-46	F-45	4024	4228	3915PB	3534	450q	3525-3750	5-1/2	3480	2	3670
	10	M	"	11-17-46	F-90	3988	3703		3682	100q	3652-3692	5-1/2	3400	2	3500
TEXAS TRADING CO.															
Johnson B	6	I	33-16-31	3-1-46	S & F-20	3980	3705		3509	300q	3620-3660	5-1/2	3380	2	3500
THOMAS, D. D. et al															
Johnson B	5	R	28-16-31	3-23-46	F-50	4012	3584		3480	120q	3480-3540	5-1/2	3452	2	3580

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PRODUCTION DATA - SQUARE LAKE POOL

COMPANY LEASE	W L	U I T	S-T-R	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	CUMULATIVE PRODUCTION 1946	1-1-47 PROD.
						R H	R L		U E	U Y		P T	V C				
BREWER DRILLING CO.																	
A.N.Etz	1	H	25-16-30	290	220	215	220	209	142	140	171	148	226	87	220	2,288	30,406
	2	A	"	290	220	215	220	209	142	140	171	148	226	86	220	2,287	9,463
	3	G	"	290	220	215	220	210	142	140	171	148	226	86	220	2,288	7,082
Geo.Etz	1	D	30-16-31	243	235	248	242	234		244	171	225	226	86	248	2,402	29,751
	2	C	"	243	236	249	243	235		244	171	225	225	86	248	2,405	14,828
Grier	1	D	29-16-31	817	430	436	515	806	667	164	655	581	575	445	669	6,760	32,447
	2	C	"	818	430	436	515	806	667	164	655	581	575	445	669	6,761	20,661
	3	M	20-16-31	818	430	437	515	806	668	165	655	581	576	446	669	6,766	15,237
Parke	1	A	3-17-30	370	241	310	239	238	189	205	184	218	187	211	211	2,803	20,306
	2	B	"	370	241	310	239	238	189	205	184	218	187	211	211	2,803	19,835
	3	G	"	370	241	310	239	238	189	205	183	218	187	211	211	2,802	14,255
	4	H	"	370	241	310	238	239	190	204	183	217	186	211	211	2,800	11,535
BURNHAM OIL COMPANY																	
State	1	E	2-17-30	222	272	290	169	319	289	350	464	586	725	387	557	4,630	31,855
	2	L	"	222	272						464	586	725	386	558	3,213	31,311
	3	F	"	222	272	290	169	319	289	350			725	387	558	3,581	16,567
	4	J	"	222	272	290	169	319	290	350	259	418	424	397	311	3,721	22,093
	5	I	"	223	272	290	169	319	290	350	259	418	412	397	311	3,540	10,175
	6	N	"	223	272	290	169	319	290	350	464	587				2,964	10,268
	7	O	"	223	272	290	169	319	290	350	259	419	424	397	311	3,723	9,144
	8	P	"	223	272	290	170	319			253	355	312	233	248	2,675	4,892
	9	M	"	223	273	291	170	320	290	351	467	587	725	387	557	4,641	4,641
CARPER DRILLING CO.																	
Bruning	1	E	29-16-31	903	451	674	449	436	653	442	449	217	440	429	448	5,991	32,295
Carper-Grier	1	I	"		444	653	219	441	430	433	432	435	427	442	434	4,790	19,022
Carper-State																	
	1	M	36-16-30	854	408		362		371			338			354	2,687	17,860
Coll-State	1	G	"	448	774	600	459	558	576	522	741	548	606	567	559	6,958	35,769

PRODUCTION DATA - SQUARE LAKE POOL - continued

COMPANY LEASE	W	U	S-T-R	J	F	M	A	J	J	S	O	N	D	PRODUCTION 1946	CUMULATIVE PROD. 1-1-47		
	E	N		A	E	R	R	U	U	A	E	O	N			D	
	L	I		A	E	C	I	A	N	L	U	P	C				
	L	T		N	B	H	L	Y	E	Y	G	T	T	V	C		
CARPER DRILLING CO.																	
Evart-Grier	1	F	29-16-31	560	390	739	752	749	595	746	589	597	590	592	427	7,326	29,975
	2	G	"	513	697	924	933	936	745	901	744	746	744	743	583	9,209	28,016
	3	H	"	513	389	739	752	749	595	746	589	597	590	593	427	7,279	21,550
Johnson B	3	E	34-16-31	746	668	415	760	1008	929	760	1257	1094	1019	744	991	10,391	10,391
	4	D	"	747	669	415	760	1007	929	760	1256	1093	1018	744	991	10,389	17,957
	5	K	"				998	1248	1187	1057	988	979	960	764	770	8,951	14,469
	6	N	"							1056	987	980	959	765	769	5,516	33,739
Wheatley	1	O	29-16-31	468		491	476	351		482			480		489	3,237	3,237
COCKBURN, BARNEY																	
Etz, A.N.	1X	P	26-16-30														6,424
	2X	M	"	260		137		150			161			156		864	14,174
	3	N	"	130		137		150			161			156		734	11,670
	4	O	"	351				484		234	47	77	164		399	1,756	10,534
	5	K	"	66		136		150			161			156		669	7,644
Etz, Geo.	1	E	35-16-30	89	78		222	211	111	109	135	67	137	71	138	1,368	18,034
	2	P	"	89	78	175	219	218	109	224	214	320	327	110	112	2,195	19,531
	3	M	"	89	78	175	329	431	327	315	215	327	218	220	215	2,939	19,520
	4	G	"	44	31		145	137	72	71	135	67	137	71	138	1,048	15,042
	5	O	"	220	188	175	219	218	109	224	214	320	327	110	112	2,436	21,443
	6	N	"	265	188	175	239	431	327	315	215	327	218	220	215	3,135	21,156
	7	A	"	264	188		145	137	72	71	135	67	137	71	138	1,425	18,588
	8	F	"	110	78		222	211	111	109	135	67	137	71	138	1,389	16,469
	9	L	"	55		67										122	15,505
	10	K	"														12,162
	11	J	"	55		67	108	212	104	209	106	209	211	105	108	1,494	13,822
	12	I	"	68		67	108	212	104	209	106	209	211	105	108	1,507	13,387
	13	H	"	89	78		77	73	39	38	135	67	137	71	138	942	13,628
	14	D	"	89	78		77	73	39	38	135	67	137	71	138	942	16,136
	15	D	"	177	147		77	73	39	38	135	67	137	71	138	1,099	11,214
	16	B	"														3,234
Grier	1	L	31-16-31														632
Leonard-State																	
	1	P	32-16-30	215		216	103	202	102	106	110	94	105	108	108	1,470	13,274
	2	I	"	215		216	103	202	102	106	110	94	105	108	107		

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PRODUCTION DATA - SQUARE LAKE POOL - continued

COMPANY LEASE	W L	U T	S-T-R	J	F	M	A	J	J	S	O	N	D	CUMULATIVE PRODUCTION 1946	1-1-47 PROD.		
				A	E	R	P	M	U	U	A	E	O			N	D
				N	B	H	L	Y	E	Y	G	T	V				
COCKBURN, BARNEY - continued																	
State	1	A	2-17-30	66	150	330	217	112	196	97		105	216	109	1,598	25,163	
	2	B	"	150	269	330	217	112	106	97		105	216	109	1,711	22,173	
	3	C	"	87		107			93					112	399	16,536	
	4	D	"	87		106			93					111	397	15,090	
Tidewater	5	L	35-16-30	232	163	112	211	112	200	110	107	106	107	98	1,558	22,583	
Jackson	6	K	36-16-30	423	266	326	218	214	203	110	112	220	107	215	2,525	30,141	
Tidewater	7	J	"	395	277	112	211	112	200	110	107	106	107	98	1,835	28,234	
"	10	O	"						838	443	325	331	331	220	2,707	2,707	
Jackson	8	N	"	233	163	326	218	214	203	110	112	220	107	215	2,232	25,797	
Overton	9	I	"	634	682	441		218	403	224	217	216	213		3,248	20,377	
CONTINENTAL OIL CO.																	
State	1	F	36-16-30	246	256	120	255	270	515	333	299	516	359	333	193	3,695	33,761
	2	E	"	245	257	120	635	286	363	238	171	295	205	190	110	3,115	26,777
	3	C	"	370	336	179	381	317	303	238	171	295	205	190	110	3,095	33,222
	4	D	"	100	112	59	127	63	121	94	86	147	103	95	55	1,162	22,301
ETZ OIL CO.																	
Etz, E.	1	P	25-16-30	223	237	209	201	216	173	138	211	117	30	43	212	2,010	31,397
	2	O	"	212	192	195	191	207	172	114	199	121	152	129	90	1,974	29,333
	3	J	"	213	207	191	209	226	185	49	189	67	133	137	101	1,910	25,399
	4	I	"	218	224	212	212	222	193	133	201	62	120	131	41	1,969	26,928
FIDEL, JOHN N.																	
Grier	1	P	30-16-31	300	901	888	869	986	1200	987	1023	760	766	665	679	10,024	46,606
	2	I	"	300	901	888	869	986	1200	987	1023	760	767	665	679	10,025	39,436
	3	B	29-16-31	325	221	230	331	222	220	216	223	214	200	112	114	2,628	11,428
	4	A	"	325	221	230	331	222	220	216	223	214	200	112	115	2,629	7,787
FLYNN, WELCH & YATES																	
Gissler B	1	A	11-17-30					1375	863	856	867	805	764	642	626	6,798	6,798
Grier	1	K	31-16-31		457			314			212			149	1,132	29,470	
HIGHTOWER, NAY																	
ETZ	1	M	19-16-31	381	214	326	365	272	236	353	270	267	267	266	185	3,402	7,701
	2	N	"	381	214	326	365	272	236	353	270	267	267	266	193	3,410	8,815

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PRODUCTION DATA - SQUARE LAKE POOL - continued

COMPANY LEASE	W L	U I	S-T-R	J	F	M	A	J	J	S	O	N	D	CUMULATIVE PROD.			
				A	E	R	P	M	U	U	A	E	O		N	D	
	L	I		N	B	H	L	Y	E	Y	G	T	V	1946	1-1-47		
HIGHTOWER, NAY - continued																	
Grier	1	D	31-16-31	487	393	483	487	383	365	283	385	289	288	284	192	4,319	49,108
	2	E	"	487	393	483	487	383	365	283	385	289	288	284	192	4,319	41,014
	3	C	"	487	393	483	487	383	365	283	385	289	288	284	192	4,319	40,307
	4X	F	"	487	393	483	487	383	365	283	385	289	288	284	192	4,319	35,288
	5	G	"	106	203	104	211	431	316	327	224	309	212	211	223	2,877	25,670
	6	J	"	486	393	483	487	383	365	283	385	289	288	284	192	4,318	31,989
	7X	H	"	106	205	104	211	431	316	327	224	309	212	211	223	2,879	12,981
	9	A	"														15,268
	10	D	30-16-31	320	490	440	315	120	477	307	314	165	324	282	122	3,676	22,235
	11	B	31-16-31	320	497	440	315	417	477	307	314	165	324	282	122	3,980	22,935
	12	J	30-16-31	320	498	440	315	317	477	307	314	165	324	282	243	4,002	20,961
McDONALD & WILLIAMS																	
Grier	1	M	30-16-31	484	222			239								945	39,130
	2	L	30-16-31	485	223			239								947	33,322
	3	M	31-16-31	199	105	107	166	107	171	106	107	103		79	85	1,335	13,601
	4	N	"	200	106	108	167	106	172	107	108	104		80	85	1,343	10,366
NASH, WINDFOHR & BROWN																	
Gissler B	6	C	11-17-30	1152	773	630		1250	1240	1301	1225	1250	1240	1200	1075	12,336	18,960
	7	B	"	640	774	630		1251	1240	1301	1226	1250	1240	1200	1075	11,827	11,827
	8	D	"									577	754	635	375	2,341	2,341
Jackson B	4	D	1-17-30	217	190	160		225	210	180	124	125	145	120	80	1,776	13,758
	5	C	"	217	190	160		225	210	180	124	125	145	120	80	1,776	11,547
	15	L	"	1261	668	423		909	963	855	718	759	925	787	511	8,779	18,286
PATON BROS. (Formerly Hoke L. Woodward)																	
Etz-Woodward	2	F	30-16-31														
PREMIER PET. CORP. CO.																	
Parke F	1	K	3-17-30	155	101	148	170	122	138	127	86	108	155	151	167	1,628	9,753
	2	I	"	717	523	772	804	741	700	593	521	557	423	496	448	7,295	34,414
	3	J	"	304	207	153	180	120	137	125	84	106	85	91	123	1,715	18,931
RANDEL, O.H.																	
State	1	F	2-17-30	287	361	354	344	352	299	342	265	210	301	344	285	3,744	26,408
	2	G	"	287	361	354	344	352	299	340	265	210	301	343	285	3,741	22,225
	3	H	"	287	362	353	345	351	299	340	265	209	301	343	285	3,740	17,118

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COMPANY LEASE	W L	U I	S-T-R	J A	F E	M R	A P	J U	J U	A U	S E	O C	N O	D E	PRODUCTION 1946	CUMULATIVE PROD. 1-1-47	
																	H
REPOLLO OIL CO.																	
Keel B	1	D	6-17-31	107	182	182	169		181	188	180		190		1,379	6,145	
	3	C	4-17-31					678	1195	1277	1261	1402	1771	976	1182	9,742	9,742
	4	D	"									192		600	600	1,392	1,392
SNOWDEN OIL & GAS CO.																	
Etz	1	J	34-16-30	118	482	528	555	627	584	476	471	393	649	666	620	6,169	35,857
	2	I	"	118	482	528	613	692	645	525	520	434	716	735	684	6,692	33,644
	3	D	"	117	482	528	268	303	282	230	227	190	313	321	299	3,560	29,409
	4	O	"	117	483	528	479	541	504	410	406	339	559	574	534	5,474	30,241
Etz E	7	J	26-16-30									405	164		399	969	969
	1	G	34-16-30	246	627	813	770	974	678	949	733	759	747	764	633	8,693	37,546
	2	H	"	245	627	813	656	830	578	808	624	646	637	651	540	7,655	32,766
Evans	3	B	"	245	627	813	428	541	377	527	407	422	415	424	352	5,578	31,853
	4	A	"	245	626	812	999	1263	879	1230	950	984	969	990	821	10,768	35,273
	1	G	4-17-30	116	118	111		208	242	188	121	204	208	211	185	1,912	24,358
	2	H	"	115	118	111		208	242	188	121	204	208	211	185	1,911	22,920
	3	B	"	115	118	111		208	242	187	121	204	208	211	185	1,910	22,475
	4	A	"	115	117	110		208	242	187	121	204	208	212	185	1,909	21,148
	5	K	33-16-30	242	237	317	237	236	121	239	241	119	238	121	238	2,586	21,331
	6	N	"	243	237	317	237	236	121	239	241	119	238	121	238	2,587	20,739
	7	M	"	243	238	317	237	236	120	238	241	118	238	121	238	2,585	21,350
	8	L	"	243	238	317	237	236	120	238	242	118	237	121	238	2,585	20,755
	9	G	"	122	103	229	85	164	57	84	174	86	88	86	172	1,450	17,974
	10	H	"	122	103	229	127	246	85	126	260	129	132	120	257	1,936	19,116
	11	A	"	122	103	229	85	164	57	84	174	86	88	86	172	1,450	18,639
	12	B	"	122	104	229	174	337	116	172	357	177	181	172	353	2,494	18,952
	13	K	4-17-30							187	482	445	130	237	153	1,634	1,634
14	L	"									445	259	237	153	1,094	1,094	
15	N	"									445	259	236	153	1,093	1,093	
Leonard	1	L	34-16-30	240	363	721	1230	1453	1253	1144	970	860	968	855	692	10,749	35,122
	2	M	"	240	363	720	598	707	610	557	472	419	471	416	337	5,910	25,365
	3	N	"	240	363	720	1030	1217	1050	958	813	721	811	716	580	9,219	26,021
	4	K	"	240	363	720	465	550	474	433	367	326	366	323	262	4,889	23,511
	5	F	"	350	909	1122	895	971	762	772	565	685	565	462	678	8,736	38,705
	6	E	"	349	910	1122	1380	1496	1175	1190	831	1055	886	713	1045	12,152	41,267
	7	C	"	349	910	1122	634	688	540	547	400	485	407	328	480	6,890	35,243
	8	D	"	349	910	1121	820	890	698	708	518	628	527	424	621	8,214	34,472

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PRODUCTION DATA - SQUARE LAKE POOL - continued

COMPANY LEASE	W E L	U N I T	S-T-R	J	F	M	A	J	J	A	S	O	N	D	CUMULATIVE PRODUCTION 1946	CUMULATIVE PROD. 1-1-47	
				A	E	R	R	U	U	U	E	C	E				
SANDERS BROS. - continued																	
Leonard E	1	P	33-16-30	294	375	353	337	281	310	350	197	194	217	221	3,129	25,881	
	2	I	"	293	375	353	337	281	310	350	197	194	217	221	3,128	25,893	
	3	J	"	293	375	353	337	280	310	350	197	194	217	221	3,127	25,897	
	4	O	"	293	375	353	337	280	310	350	197	193	217	221	3,126	23,824	
	5	C	4-17-30	160	158	161		150	133		85	97	112	104	117	1,277	13,910
	6	D	"	159	158	160		150	133		85	97	112	104	117	1,275	13,923
	7	E	"									97	112	104	117	430	430
	8	F	"	159	158	160		150	133		85	97	112	104	117	1,275	12,908
	13	J	"				937	790	1154	1152	1128	1098	1038	956	731	8,984	8,984
	14	I	4-17-30				937	790	1153	1152	1128	1099	1038	956	731	8,984	8,984
	15	O	"					790	1153	1152	1128	1099	1038	956	731	8,047	8,047
	16	P	"					790	1153	1152	1128	1099	1039	956	731	8,048	8,048
State	10	P	36-16-30														
	11	O	"						443	325	331	331	220	219	1,869	1,869	
SUPPES, G. B.																	
Johnson	1	C	33-16-31	714	551	454	630	522	496	501	587	533	498	476	543	6,505	30,011
	2	M	28-16-31	1151	1114	601	1271	1226	1236	1150	1009	818	798	691	829	11,894	31,671
	3	D	33-16-31	715	551	455	630	522	496	502	588	533	498	477	544	6,511	26,933
	4	L	28-16-31	1151	1113	602	1271	1226	1236	1150	1009	818	799	710	829	11,914	30,720
	5	H	33-16-31	1151	924	602	1099	1227	1236	1150	1008	818	799	769	829	11,612	26,918
	6	A	"	1151	923	602	1271	1227	1236	1150	1008	817	799	769	830	11,783	24,005
	7	B	28-16-31	455	217	432	228	241	424	400	220	323	230	415	173	3,758	7,018
	8	L	34-16-31	1403	1392	601	1271	1227	1235	1150	1302	1436	1605	1072	1194	14,888	19,125
Johnson B	9	F	"			231	702	451	601	413	209	428	340	222	402	3,999	3,999
	10	M	"											600	1195	1,795	1,795
SOUTHERN PET. EXPL. CO.																	
State C	1	B	32-16-31	250	100	100	300	200	200	100	100	202	250	250	2,252	16,256	
	2	A	"	875	679	670	1125	776	463	663	721	460	202	250	7,134	25,222	
	3	H	"	100	100	100	200	100	100	100	100	100	202	188	235	1,625	3,661
	4	G	"	250	100	100	300	200	200	100	100	100	202	250	2,252	6,076	
TELLYER, HARRY B.																	
T. State	1	H	36-16-30	370		300					414	218	409		350	2,061	36,020
TEXAS TRADING CO.																	
Grier	1	M	29-16-31	438	429	431	321	315	319	329	316	212	238	215	222	3,845	42,138
	2	N	"	438	429	431	321	315	320	329	317	212	239	215	223	3,849	38,867

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COMPANY LEASE	W E L L	N I T	S-T-R	J	F	A	P	M	J	J	A	S	O	N	D	PRODUCTION 1946	CUMULATIVE PROD. 1-1-47
				A N	B	R C H	R I L	A Y	U N E	U L Y	U G	E P T	C T	O V	E C		
TEXAS TRADING CO. - continued																	
Grier-Cont.	3	L	29-16-31	439	429	431	321	316	319	330	317	212	299	215	222	3,850	25,391
	4	K	"	439	429	432	321	316	319	330	317	212	299	216	223	3,853	22,645
Johnson	1	D	33-16-31	430	254	326	633	495	627	494	460	431	335	297	313	5,095	32,166
	2	E	"	430	254	326	633	495	637	495	461	431	335	297	313	5,107	28,007
	3	B	"	1027	950	457	910	760	602	616	556	430	411	416	377	7,512	28,219
	4	G	"	1027	951	457	911	760	602	616	557	431	411	416	378	7,517	21,913
Johnson B	5	K	"	1008	953	514	908	899	860	806	774	749	697	653	695	9,513	16,622
	6	I	"			451	451	786	358	323	186	341	326	307	302	3,831	3,831
	7	N	"	1008	954	514	909	899	860	806	775	751	698	644	695	9,513	11,749
State	1	D	32-16-31	118	111	117	223	106		117	104	115	103	81	67	1,262	34,550
	2	E	"	119	111	117	223	106		117	104	116	104	82	67	1,266	3,979
	3	C	"	118	111	117	223	106		118	104	116	103	82	67	1,265	15,770
	4	F	"	119	111	118	223	106		118	104	116	104	82	67	1,268	13,093
THOMAS, D. D. et al																	
Grier	1	J	29-16-31	549	539	562	559	659	535	545			435	323	225	4,931	31,355
	2	P	"	550	540	562	559	659	536	545			435	323	212	4,921	26,865
Johnson	2	N	28-16-31	591	950	1072	1084	855	861	880			477	222	431	7,423	26,361
	3	E	"	592	325	320	439	215	227	313			477	322	203	3,433	10,741
	4	D	"	592	326	319	438	215	228	313			477	322	203	3,433	7,790
Johnson B	5	P	"					1219	952	759			477	560	210	4,177	4,177
VICKERS PETROLEUM CO.																	
Stz, Geo.	1	H	30-16-31	675	438	442	216	220	210	431	207	417	1161	394	1242	6,053	33,003
	2	A	"	662	670	406	219	211	211	215	208	397	290	1576	931	5,996	29,896
	3	G	"	447	441	440	199	437	216	428	218	217	215	315	217	3,790	25,205
	4	B	"	433	435	434	423	213	427	214	213	422	215	315	217	3,961	22,886
	5	P	19-16-31	436	410	219	212	208	212	210	428	208	180	88	82	2,893	16,861
	6	O	"	648	218	201	205	213	422	213	202	212	248	121	132	3,035	17,133
WARREN, FORREST																	
Grier	1	N	30-16-31	492	238	484	241	242	458	246	237	227		239	210	3,314	40,179
	2	K	"	492	238	484	241	242	458	246	237	227		239	210	3,314	40,196
WELCH, VAN S.																	
State	1	A	36-16-31	544	313	270	406	213	495	226	306	237	213	175	184	3,582	49,763
	2	B	"	544	313	271	406	213	495	225	305	238	214	176	185	3,585	44,686
WESTERN PROD. CO.																	
Nunlee	1	P	27-16-30	172		211	196	204	128	115		78	123	122		1,349	15,777
	2	O	"	171		192	183	220	124	158		133	184	161		1,526	13,603

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PRODUCTION DATA - SQUARE LAKE POOL - continued

COMPANY LEASE	W L	U I	S-T-R	J	F	M	A	J	J	A	S	O	N	D	PRODUCTION 1946	CUMULATIVE PROD. 1-1-47
				A	E	R	P	U	U	U	E	C	O	E		

WOODWARD, HOKE L.																	
Valentine	1	M	7-16-31	642	670	439	896	850	947	769	555	557	541	391	616	7,873	10,685
Woodward	1	E	30-16-31	479	235	440	440	240	239	237	240	230	200	213	220	3,413	16,973
	2	F	"	479	238	449	445	240	239	236	239	229	201	214	220	3,429	12,538
WOOLEY, A.S.																	
McIntyre	1	D	33-17-30	291	223	240	167	172	165	135	152	112	127	135	108	2,027	30,079
	2	C	"	209	165	277	319	150	180	140	158	113	144	138	111	2,104	25,044
	3	E	"	221	162	131	136	120	157	129	125	111	127	130	107	1,656	20,561
	4	F	"	240	143	137	140	106	141	111	120	110	126	128	107	1,609	16,321
YATES, S.P. et al																	
Evans	1	A	5-17-30	475		295		344		377				258		1,749	9,481

FIELD TOTAL				67464	63538	65970	70559	83120	77300	74586	70756	69484	73205	65853	66972	848,807	4,374,663
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TURKEY TRACK POOL

LOCATION: T. 18 S., R. 29 E. S 1/2 sec. 35.
T. 19 S., R. 29 E. W 1/2 sec. 2, all sec. 3, N 1/2 sec. 10,
NW 1/4 sec. 11.

DISCOVERY DATE: August 1943.

DISCOVERY WELL: Robert E. McKee No. 2 State, SE 1/4 SE 1/4 sec. 3-19-29.
T.D. 2815'. PB 2710'. Initial potential, 20 bbls.
oil per day. Top pay, 2575'; Base Salado, 1020';
Top Yates, 1242'; Top Queen, 2238'. Elevation 3395'.

GRAVITY OF OIL: 33° to 38° API.

AVERAGE THICKNESS OF PAY ZONE: 3' to 40'.

PRODUCING FORMATION: Queen.

AVERAGE PRODUCING DEPTH: 2060' to 2600'.

DEEPEST TEST: Robert E. McKee No. 1 Spencer-Heflin, SE 1/4 NE 1/4 sec.
4-19-29. T.D. 3896'. P. & A. Top Rustler, 325'; Top
Salado, 390'; Base Salado, 911'; Top Queen, 2105'.
Elevation 3424'.

OIL WELLS, as of 1-1-47:

Flowing	7
Pumping	0
Gas lift	3
Shut in	0

GAS WELLS: 0

ABANDONED WELLS: 1

TOTAL WELLS DRILLED: 11

OIL PRODUCTION: 1946

No. of producing wells 10

Yearly production 22,900

Cumulative production to 1-1-47: 59,220 bbls.

GAS PRODUCTION: relatively small volume. However, there are two dry
gas zones productive in area.

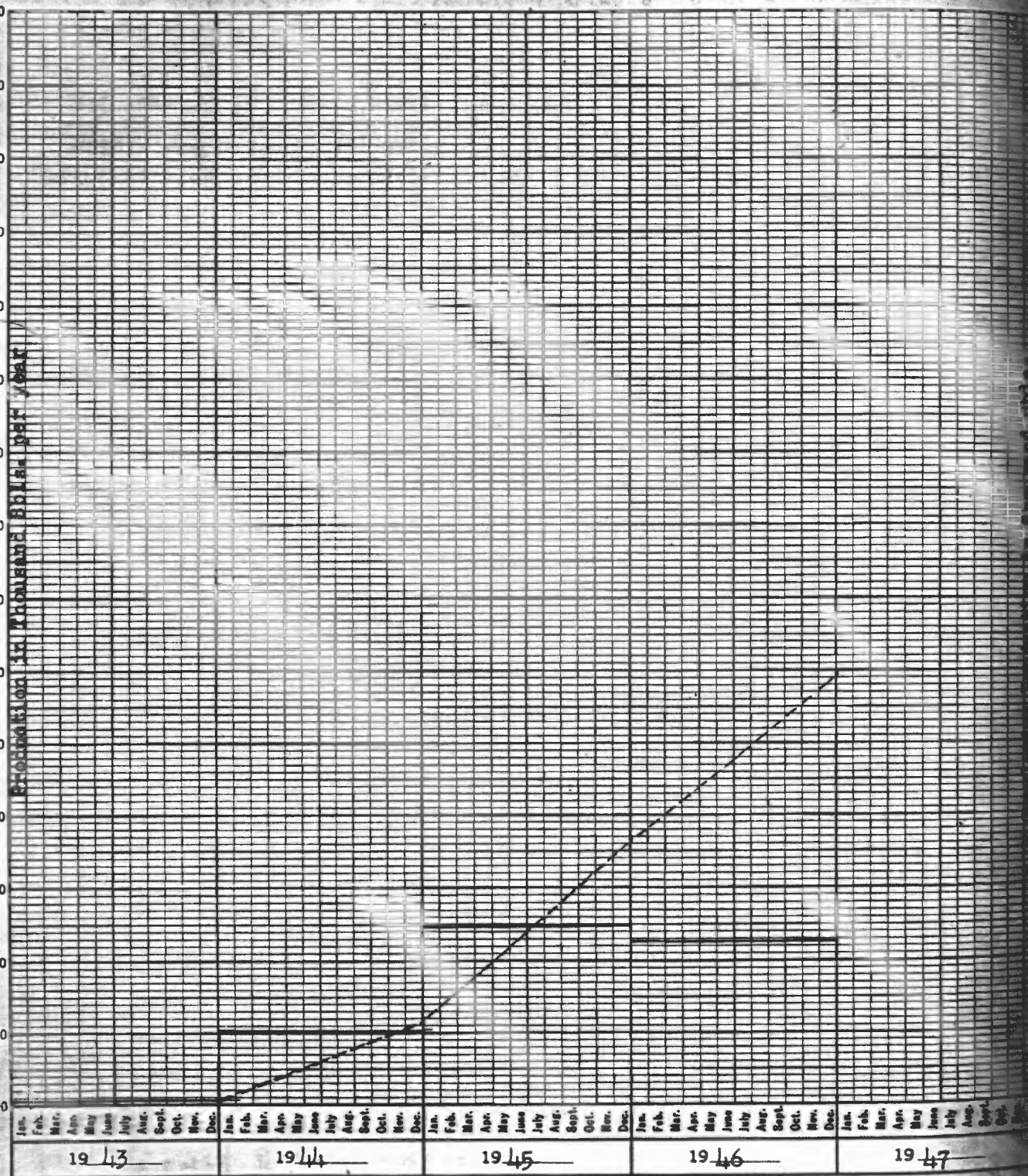
WATER PRODUCTION: none.

AREA OF PROVEN PRODUCTION: 400 acres.

PER-ACRE RECOVERY to 1-1-47: 148 bbls.

Combination drive type reservoir.

TURKEY TRACK POOL Production Curves



Cumulative Production ----
 Production Curve ———

SUBSURFACE COMPLETION DATA - TURKEY TRACK POOL

COMPANY	W U	INITIAL					SHOT OR ACID	OIL STRING	TUBING	
LEASE	E N	DAILY	COMP.	ELEV.	T.D.	T.P.	AMT. INTERVAL	SIZE DEPTH	SIZE DEPTH	
LEASE	L I	PROD.	DATE	TEST						
	L T	S-T-R								
FIDEL, JOHN M.										
Fidel	1	P	35-18-29	12-10-46	P & A	3431	3170	300 q	1490-1540	

PRODUCTION DATA - TURKEY TRACK POOL

COMPANY	W U	J	F	M	A	J	J	S								CUMULATIVE	
LEASE	E N	A	E	R	R	M	U	U	A	E	O	N	D	PRODUCTION	PROD.		
LEASE	L I	N	B	H	L	Y	E	Y	G	T	T	V	C	1946	1-1-47		
	L T	S-T-R															
MCKEE, ROBERT E.																	
State	2	P	3-19-29	216	225	389	342	215	180	226	1,793	6,492					
	3	O	"	77	183	100	98	170	177	77	203	75	57	149	121	1,487	1,623
	4	I	"	291	235	172	171	262	276	68	181	67	64	166	187	2,140	5,950
	5	J	"	302	235	172	172	223	145	61	165	60	33	88	97	1,753	3,977
MCKEE & BASSETT																	
Brainard	1	N	34-18-29	117	206	226	441	139	223	226	207	1,785	4,404				
Spencer	1	D	3-19-29	235	187	229	221	445	186	229	222	209	178	2,341	7,939		
	2	C	"	673	395	683	441	662	607	429	418	203	434	387	678	6,010	14,536
	3	H	"	446	304	355	235	348	284	231	234	115	237	233	98	3,120	8,682
	5	B	"	170	116	181	120	177	145	117	119	58	121	119	51	1,494	3,198
	6	G	"	56	38	134	89	131	107	87	88	43	89	87	28	977	2,419

FIELD TOTAL 2583 2124 2252 1936 2859 2408 1070 2075 843 1650 1436 1664 22,900 59,220

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SUBSURFACE COMPLETION DATA ON WILDCAT WELLS - EDDY COUNTY

COMPANY	W U	E N	L I	COMP.					
LEASE	L T	S-T-R	DATE	ELEV.	T.D.	REMARKS			
ANDERSON, MAC T.									
Anderson	1 A	35-19-28	6-24-46	3313	1885	S/Gas @ 1165', Base Salado 710', Top Yates 910', Top Queen 1840'; Plugged & Abandoned.			
CRABB & CROUCH									
Cowan	1 B	1-21-28	6-21-46	3402	2604	S/Water @ 1429', 2604; Plugged & Abandoned.			
DEVITO, D.C.									
State	1 A	19-23-26	6-18-46	3408	2757	S/Water @ 65', 1820', 2435'; Top Del. Sand 1680'; Plugged & Abandoned.			
HADLOCK & JARRELL									
Wells	1 L	9-20-28	3-5-46	3283	1142	S/Water @ 118', 160'; Top Salt 447', Base Salt 650'; Plugged & Abandoned.			
LAKEY, WILLIS F.									
Anderson	1 K	31-19-28	11-6-46	3388	1074	S/Water @ 180'; Plugged & Abandoned.			
McKENNY & SCHROCK									
State	1 F	21-20-28	2-15-46	3234	886	S/Oil @ 789-95; Shot with 100 qts., 780-835; Bailed 1 BOPD after shot. Show water @ 495; Plugged & Abandoned.			
STATE	2 C	21-20-28	4-22-46	3237	885	S/Water @ 60', 449', 885'; Base Salt 443; Plugged & Abandoned.			
MALCO REFINERIES INC.									
Bynum	1 F	8-20-25	7-21-46	3492	1318	S/Water @ 270', 310'; No shows; Plugged & Abandoned.			
MOMSEN, R.F.									
State	1 G	36-19-28	8-20-46	3296	1447	S/Water @ 1445', Dry & Abandoned.			
RUTTER ET AL									
Ohio-Statel	P	21-20-28	1-9-46	3230	759	Shut in Gas Well, Top Pay 721; I.P. Flow 250 MCF PD.			
SAUNDERS BROS.									
Hultman	1 H	32-16-26	11-19-46	3381	6761	S/Oil @ 2700', 4573; S/Oil & Gas 5280; 6327; Shot 100 qts. 5281-5312; Treated 1200 gals. 5264-86; Made 75 MCF PD before acid. Gas reduced after Acid; Top Abo 4190'. Plugged & Abandoned.			
TURNER, GEO.									
State	1 E	21-20-28	11-5-46	3235	865	Base Salt 412; S/Water 811, Plugged & Abandoned.			
WILLS, NEIL H.									
Crosby	1 A	7-20-31	10-9-46	3458	2080	Top Salt 629, Base Salt 2070; Plugged & Abandoned.			

HARDING COUNTY

BUEYEROS POOL

LOCATION: No definite pool boundaries have been established by the New Mexico Oil Conservation Commission. Producing wells are located in secs. 9, 27, 28 & 32 in Township 21 N, R. 31 E.

DISCOVERY DATE: 1916.

DISCOVERY WELL: American Prod. Co., No. 1 Bueyeros. NW 1/4 sec. 32, T. 20 N., R. 31 E., This well, drilled in 1916 to 2000' produced an estimated 25 Million Cubic Ft. of CO₂ gas per day. The well blew open for one year, then bridged & was later Plugged & Abandoned.

PRODUCING FORMATION: Santa Rosa Sandstone (Triassic) & Granite Wash (Upper Pennsylvanian).

GAS WELLS, as of 1-1-47: 4

GAS PRODUCTION: 1946
86,994 MCF

Cumulative Production Figures are not available.

PRODUCTION DATA - BUEYEROS POOL

COMPANY	W	U		J	F	M	A	J	J	A	S	O	N	D		
LEASE	E	N		A	E	R	R	U	U	U	E	P	C	O	E	
	L	I	S-T-R	A	B	C	L	N	L	U	T	T	V	C	TOTAL MCF	
ADAMS & McGAHEY, et al																
Gallagher																
1	N	9-21-30		814	842	1240	1355	1452	1886	2523	2321	1045	1341	1030	749	16,598
Gonzales																
1	N	28-21-30		1839	1313	1989	2266	2269	2269	2311	2336	1327	1963	1255	733	21,870
A-1	H	32-21-30		2186	1505	2233	2975	3080	3298	3539	3451	1825	3114	1928		29,134
N.M. State																
1	L	27-21-30		1572	1119	1796	2156	2341	2115	2109	2087	1102	1813	1182		19,392
FIELD TOTAL																
				6411	4779	7258	8752	9142	9568	10482	10195	5299	8231	5395	1482	86,994 *

*MCF Carbon Dioxide

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MCKINLEY COUNTY

HOSPAN POOL

LOCATION: T. 18 N. R. 8 W., SW 1/4 sec. 31.
T. 18 N. R. 9 W., SE 1/4, S 1/2 NE 1/4, E 1/2 SW 1/4.
T. 17 N. R. 9 W., N 1/2, N 1/2 S 1/2, sec. 1.

DISCOVERY DATE: 1926.

DISCOVERY WELL: Petroleum Prods. Corp., No. Santa Fe & Pacific,
SE NW sec. 1, T. 17 N., R 9 W., T.D. 3282, Top
Pay 1531, No information on initial production.

OIL WELLS; as of 1-1-47:

Flowing	0
Pumping	43
Gas lift	0
Shut in	3

GAS WELLS: 0

ABANDONED WELLS: 7

TOTAL WELLS DRILLED: 53

OIL PRODUCTION: 1946

No. of Producing wells	43
Yearly Production	250,440
Cumulative Production to 1-1-47:	1,859,245 bbls.

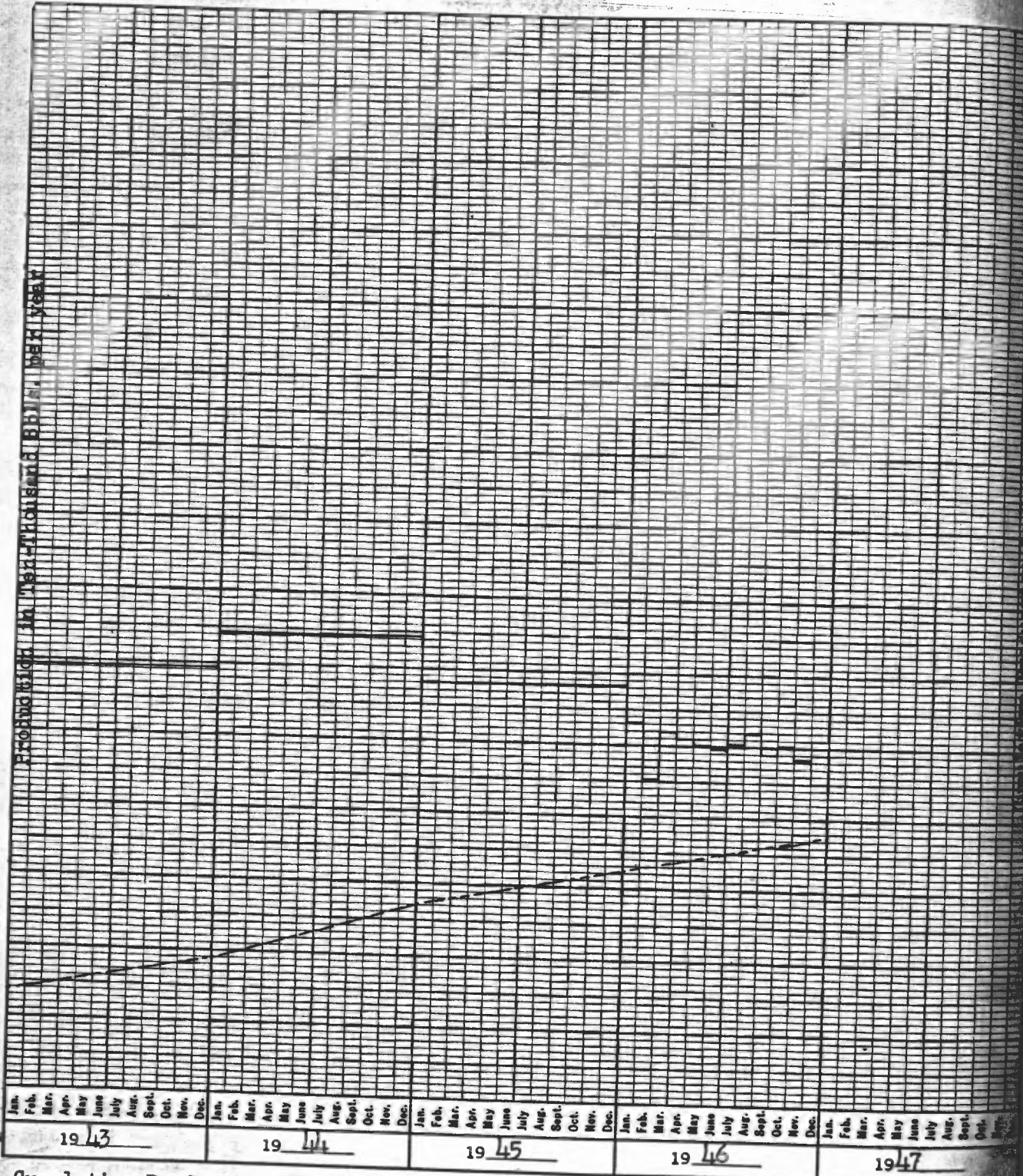
GAS PRODUCTION: No figures available, believed to be small.

WATER PRODUCTION: Small amount of water produced in edge wells.

AREA OF PROVEN PRODUCTION: 960 acres.

PER-ACRE RECOVERY to 1-1-47: 1937 bbls.

HOSPAH POOL Production Curves



Cumulative Production - - - -
 Production Curve - - - -

PRODUCTION DATA - HQSPA H POOL

COMPANY	W	U		J	F	M	A		J	J	A	S	O	N	D	
LEASE	L	I	S-T-R	A	E	A	P	M	U	U	U	E	C	O	E	PRODUCTION 1946
	T			N	B	R	R	A	N	L	A	P	T	V	U	
PETROLEUM PRODUCTS, REFINING & PRODUCTION																
Osborne	1	L	31-18-8	239	36	208	268	236	142	143	250	226	247	262	146	2,403
Santa Fe	2	F	1-17-9	704	652	630	812	830	926	750	796	789	688	746	638	8,961
	4	C	"	613	569	585	628	611	493	588	697	534	528	473	444	6,763
	5	C	"	627	581	691	647	602	683	625	639	636	635	592	552	7,510
	6	C	"	756	701	762	838	878	951	858	893	831	870	814	708	9,860
	8	K	"	477	442	479	282	350	186	170	271	304	246	223	191	3,621
	9	J	"	183	170	78	86	69	30	78	83	66	68	67	573	1,551
	11	F	"	684	636	816	822	791	929	692	833	856	825	672	573	9,129
	13	F	"	469	434	502	444	436	617	509	541	497	509	571	489	6,018
	21	F	"	554	513	454	520	551	741	677	577	543	543	507	473	6,653
	22	O	"	259	240	514	395	381	404	446	415	396	429	372	402	4,653
	38	F	"	589	546	580	349	327	374	526	559	520	534	530	454	5,888
	39	K	"	573	532	465	695	392	106	483	485	387	396	395	293	5,202
	44	L	"	10	10	10	11	11								52
	1	A	"	48	45	48	20	18	22	99	54	46	47	48	40	535
	12	B	"	316	293	328	348	331	374	344	297	322	318	301	239	3,811
	14	L	"	498	461	394	342	423	452	422	428	382	405	479	484	5,170
	20	B	"	553	18	145	7	82	93	80	26	24	25	18	15	1,086
	23	B	"	254	236	296	255	255	279	216	275	256	286	266	244	3,117
	24	B	"	340	317	274	339	298	324	262	277	259	280	290	219	3,479
State	3	N	36-18-9	239	204	238	237	238	224	230	235	226	232	338	231	2,872
	7	N	"	597	511	356	474	595	448	460	470	452	465	563	808	6,199
	10	N	"	238	205	238	473	476	336	345	353	339	349	225	231	3,808
	15	N	"	477	409	358	355	476	448	460	470	339	698	564	462	5,516
	16	O	"	477	409	475	355	476	448	460	469	338	349	337	347	4,940
	17	N	"	716	614	594	592	952	673	690	705	792	697	676	693	8,394
	19	O	"	477	409	475	473	595	561	460	469	565	697	676	578	6,435
	25	O	"	477	409	356	355	476	448	345	235	452	465	454	462	4,934
	27	P	"	358	307	238	237	238	224	230	234	226	233	225	231	2,981
	28	J	"	597	511	1188	947	1309	1121	1265	1292	1244	1163	1240	1155	13,032
	29	G	"	716	614	713	710	476	448	460	470	452	349	337	347	6,092

PRODUCTION DATA - HOSPAH POOL - continued

COMPANY	W	U		J	F	M	A	J	J	A	S	O	N	D	
LEASE	E	N	S-T-R	A	E	R	P	U	U	U	E	C	O	E	
LEASE	L	I		N	B	H	L	Y	E	Y	G	T	T	V	C

PRODUCTION 1946

PET. PROD., REF. & PRODUCTION - continued

State - continued															
30	H	36-18-9	1909	1636	1782	1894	119	785	805	822	792	814	789	808	12,955
32	J	"	119	102	119	118	119	112	118	117	113	116	115	115	1,383
33	J	"	2267	1943	2376	2368	2499	2130	2416	2702	2375	2209	2255	2195	27,735
34	G	"	1074	920	1188	1065	1309	1009	1265	1057	1131	1279	1015	1040	13,352
36	J	"	716	614	832	829	952	1125	805	940	908	930	902	924	10,477
37	J	"	477	409	356	356	596	673	690	706	565	582	562	578	6,550
State - Wilson															
18	K	36-18-9	688	622	684	639	634	629	638	662	626	665	613	650	7,750
35	K	"	793	718	789	736	732	727	735	764	722	768	707	750	8,941
Santa Fe															
51	C	1-17-19												143	143
52	M	1-17-19												143	143
State															
48	O	36-18-9												231	231
50	O	36-18-9												115	115

FIELD TOTAL 22158 18998 21614 21321 21139 20695 20845 21568 20531 20939 20219 20414 250,440

CUMULATIVE PRODUCTION to 1-1-47: 1,859,245

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RED MOUNTAIN POOL (ABANDONED)

LOCATION: T. 20 N., R. 9 W., secs. 20, 29.
 DISCOVERY DATE: June 15, 1934.
 DISCOVERY WELL: Stacey, Webber et al, No. 1, Santa Fe, SW 1/4 SW 1/4 sec. 29.
 T. 20 N. R. 9 W., Total Depth Unknown. Pay Horizon 430 to
 500 feet. Initial Production, Pumping 5 bbls. oil per day.
 GRAVITY OF OIL: 42.8°.
 PRODUCING FORMATION: Mesa verde.
 AVERAGE PRODUCING DEPTH: 425-500.
 TOTAL WELLS THAT HAVE PRODUCED OIL: 8.
 CUMULATIVE PRODUCTION, to 1-1-47: 7180 bbls.

SUBSURFACE COMPLETION DATA ON WILDCATS

COMPANY	W	U		COMP.					
LEASE	E	N	S-T-R	DATE	ELEV.	T.D.	REMARKS		
	L	I							
	L	T							
<u>RICHFIELD OIL CORP.</u>									
Drought	1	J	4-15N-6W	8-4-46	6667	7145	Top Hospah Sand 667, Top Mancos Shale 880, Top Dakota 1916, Top Morrison 2160, Top Chinle 3080, Top Abo 5630, Top Pennsylvanian 6150, Top Magdalena 6350, Top Granite 7138.		
<u>AMBROSIA INVESTORS</u>									
Fee	2		3-14N-10W	6-46		1250	In Dakota at T.D. Plugged & Aband.		

OTERO COUNTY

<u>UNION OIL CO.</u>									
McMillian	1	D	9-25S-13E	9-4-46	5051	5215	Top Abo 693, Top Pennsylvanian 2532, Top Mississippian 2790, Slight oil show 3077-3090. Show of water @ 3605 to 3611 & 5180-5192, Plugged & Aband.		

ROOSEVELT COUNTY

<u>W. J. PETERMAN</u>									
Taylor	2	N	22-2N-30E	4-9-46	4581	1175	Tbp Anhydrite 1122, Plugged & Aband.		
	3	M	"	4-9-46	4580	610	Plugged & Abandoned.		
<u>SOUTHERN UNION GAS CO.</u>									
Lucas	1	N	5-2N-30E	3-27-46	4279	7155	Top Pennsylvanian 5990, Top Granite 7140. Plugged & Abandoned.		

SANDOVAL COUNTY

<u>F. B. UMBARGER</u>									
Armijo	1		1-12-3	1-5-46		100	In Morrison formation at T. D. Plugged & Abandoned.		

SAN JUAN COUNTY

AZTEC - BLOOMFIELD POOL

LOCATION: T. 29 N., R. 11 W., sec. 14, 15, 16, 20, 21, 22, 23.
T. 30 N., R. 11 W., sec. 9, 10, 16, 17.

DISCOVERY DATE: July 1924

DISCOVERY WELL: Bloomfield Oil & Gas Co., Well in NW 1/4 SW 1/4,
sec. 14, T. 29 N. R. 11, W. Initial production,
5 Bbls. oil per day, pumping.

GRAVITY OF OIL: 57°.

AVERAGE THICKNESS OF PAY HORIZON: 18'.

PRODUCING FORMATION: Farmington Sand (oil) & Pictured Cliff
Sandstone (Gas).

PRODUCING DEPTH: 740' & 1700'.

PRODUCING OIL WELLS: as of 1-1-47, 0

PRODUCING GAS WELLS: as of 1-1-47, 1*

ABANDONED OIL WELLS: 27

ABANDONED GAS WELLS: 3

ABANDONED WELLS: 35

TOTAL WELLS DRILLED 66

CUMULATIVE OIL PRODUCTION, to 1-1-47: 43,425 bbls.

NO OIL PRODUCED IN 1946.

GAS PRODUCTION IN 1946: 82,079*

CUMULATIVE GAS PRODUCTION, to 1-1-47: 791,479 MCF.

* Gas Production From Summit Oil Co., 3 B, Summit. sec.20,T.29,R.11.

BARKER CREEK DOME POOL

LOCATION: T. 32 N., R. 14 W.
DISCOVERY DATE: January, 1942.
DISCOVERY WELL: Southern Union Prod. Co., No. 1, Ute
Indian, NW 1/4 NW 1/4 sec. 21, 32 N.,
14 W. TD 2495. Initial production,
flowing 15,000 MCF per day.
PRODUCING FORMATION: Dakota Sandstone (Cretaceous)
& Hermosa Limestone (Pennsylvanian).
PRODUCING DEPTH: 2500' & 8600'.
PRODUCING GAS WELLS, as of 1-1-47: 18
ABANDONED WELLS: 1
TOTAL WELLS DRILLED, as of 1-1-47: 19
GAS PRODUCTION: 1946 1,419,411 MCF
CUMULATIVE GAS PRODUCTION, to 1-1-47:
6,376,711

FULCHER BASIN POOL

LOCATION: T. 29 N, 11 W, secs. 7, 18, 19, 20, 21.
T. 29 N, 12 W, secs. 1, 2, 3, 11, 12, 13.
T. 30 N, 12 W, secs. 29, 33, 34.

DISCOVERY DATE: 1934

DISCOVERY WELL: Fred Barrett, No. 1, Hart; NW SW sec. 11,
T. 29 N. R. 12 W.. Initial production, 800
MCF per day.

AVERAGE THICKNESS OF PAY ZONE: 30'.

PRODUCING FORMATION: Pictured Cliff Sand

AVERAGE PRODUCING DEPTH: 1700'.

AVERAGE ROCK PRESSURE: 575 Lbs.

TOTAL PRODUCING GAS WELLS, as of 1-1-47: 36

TOTAL GAS PRODUCTION, in 1946: 1,889,616 MCF

CUMULATIVE GAS PRODUCTION, to 1-1-47:
6,600,000 MCF

SUBSURFACE COMPLETION DATA - FULCHER BASIN POOL

COMPANY LEASE	W U E N L I L T	S-T-R	COMP. DATE	INITIAL DAILY PROD.	ELEV.	T.D.	T.P.	REMARKS
B.M.N.S. Co.								
Copp	1 E	29-30-12	8-10-46	1700 MCF		1745	1711	
Wagner	1 K	29-30-12	6-13-46	2200 "	5542	1659	1618	
Wyper	1 O	29-30-12	8-2-46	F25 BOPD		578	570	Farmington Sand Producer.
BYRD-FROST & ENGLISH								
Hudson	1 P	33-30-12	8-11-46	430 MCF	5729	1955	1810	
CARROLL & HANNETT								
Carroll	1 L	34-30-12	2-15-46	1000 MCF		1936	1836	
Carroll	2 E	33-30-12	7-12-46	1500 MCF		1833	1828	
GEORGE KRAUSE								
Beck	1 J	10-29-12	9-27-46	200 MCF	5625	1871	1685	Rock Pressure 480#
M.S.B.W. Co.								
Atkinson	1 N	28-30-12	11-10-46	1500 MCF	5438	1650	1530	
Hargis	2 J	33-30-12	8-1-46	1000 MCF	5570	1744	1639	
SOUTHERN UNION PROD. CO.								
Cooper	1 C	18-29-11	4-9-46	1140 MCF		1893	1789	
	2 M	7-29-11	7-9-46	505 MCF	5671	1938	1850	Shot with 50 qts. from 1850-1900.
Cozzens	2 B	19-29-11	2-20-46	802 MCF		1895	1816	
Dallebetta	1 M	20-29-11	11-30-46	1020 MCF		1534	1645	Rock Pressure 503#
Holder	1 F	29-30-12	11-12-46	2000 MCF	5569	1730	1665	
Hudson	2 P	34-30-12	8-21-46	1500 MCF	5846	2085	1955	
McCarty	1 I	29-30-12	9-27-46	1400 MCF	5521	1735	1609	
Sategna	1 M	21-29-11	10-10-46	430 MCR		1700	1584	Flowed Natural 210 MCF. Show with 40 qts. from 1584-1624.

PRODUCTION DATA - FULCHER BASIN

COMPANY LEASE	W U E N L I L T	S-T-R	J A N	F E B	M A R	A P R	M M A	J U N	J U L	A U G	S E P	O C T	N O V	D E C	PRODUCTION 1946
B.M.N.S. Co.															
Wagner	1	29-30-12													5523
Copp	1	29-30-12													15181

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PRODUCTION DATA - FULCHER BASIN - continued

COMPANY	W	U		J	F	M	A		J	J		S		N	D	PRODUCTION MCF
LEASE	L	I	S-T-R	A	E	C	I	A	N	L	U	P	C	O	E	1946
	T			N	B	H	L	Y	E	Y	G	T	T	V	C	

CARROLL & HANNETT

Carroll & Cornell

1	L	34-30-12						14198	12412	12821	12071		10686		10439	72,627
2	E	33-30-12								3708	3907		5067		5990	18,672

M. S. B. W.

Hargis	1	J	33-30-12	12810	9920	12954	10513	13407	11841	12230	12351		11529		11190	118,745
N. D. EXPLORATION CO.															5776	5,776

Carroll-Cornell

1		11-29-12	6592	5533	6735	4487	5467	4789	4243	4373		5245		5822		53,286
2		12-29-12	10105	8693	8154	6216	7271	6345	5664	6479		5794		6730		71,451
5		13-29-12	14047	12305	12232	9292	10751	9167	8625	9727		9903		10064		106,113
6		12-29-12	9739	6904	7155	5453	6840	5927	5150	5469		5922		4939		63,498
8		12-29-12	6803	5256	5401	4071	5103	4129	3921	4664		4673		4922		48,943
9		34-30-12		6095	4494	11400										

SOUTHERN UNION PROD. CO.

Allen	1	1-29-12	3674	2992	3393	1360			705	1997		1658		2057		17,738
Cornell	3	12-29-12														
	4	12-29-12														
	7	2-29-12	29000	23852	26302	20926	24292	22462	18912	21417		21281		22274		230,718

Cozzens	1	18-29-11	10936	9122	8834	6839	8323	7353	6861	6638		6574		6998		78,478
	2	19-29-11		912	13608	7595	2563	10473	10719	10934		11015		10968		78,787
	3	20-29-11						2187	6522	6442		5978		6085		27,214

Cooper	1	C 18-29-11				3936	12876	11435	8951	10374				9602		57,174
	2	M 7-29-11										12401		3944		16,345

Hart	1	11-29-12	5272	4493	3657	4010	4795	4511	4286	4384		4446		4084		43,955
Hudson	1	34-30-12										2975		3839		43,955
	2	34-30-12										7179		8585		15,684

Kattler	1	2-29-11	9843	8172	6980	4411	5145	5415	4977	5169		4908		4600		59,620
McDaniel	1	19-29-11	10738	9205	9729	7793	9083	8376	8311	8273		8170		8349		88,027

PRODUCTION DATA - FULCHER BASIN - continued

COMPANY LEASE	W	U	J	F	R	C	I	A	N	L	U	A	E	O	N	D	PRODUCTION MCF
	L	I	S-T-R	N	B	H	L	Y	E	Y	G	T	T	V	C		1946

SOUTHERN UNION PROD. CO. - continued

McGrath	1	2-29-12	6739	5797	5700	4661	5653	4976	4875	4844	4408	7428	55,081
	2	34-30-12	25484	20977	21241	16276	20688	17232	15819	16816	16276	16336	187,145
	3	3-29-12	6497	5346	5511	4638	5949	5289	5401	5431	5103	5149	54,314
Reid	1	13-29-12	3073	2787	2451	1747	2371	2348	2079	1591	1648	1599	21,694
	2	12-29-12	13784	11461	10218	10903	10283	9210	7753	8487	7456	9483	99,038
Walker	1	3-29-12	8742	8525	8810	7288	9093	7934	7969	8026	7368	6314	80,069
	2	3-29-12	2610	2182	2166	1460	1558	892	2309	2367	1030	440	17,014
Holder	1	F 29-30-12										6776	6,776
Sategna	1	M 21-29-11										4839	4,839
McCarty	1	I 29-30-12									3760	10734	14,494

FIELD TOTAL		119202	125743	141554	114356	150279	114346	115208	151519	166439	11661	208979	1,889,616
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CUMULATIVE for entire POOL to 1-1-47

6,589,616

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KUTZ CANYON POOL

LOCATION: T. 28 N., R. 10 W. secs. 18,19.
T. 28 N., R. 11 W. secs. 11,13,14,24.
T. 29 N., R. 11 W. sec. 34.

DISCOVERY DATE: 1927

DISCOVERY WELL: Congress Oil Co., No. 1, Congress,
SW NE sec. 34-29, 11 W. TD 1910.
Initial production flowing, 1,500 MCF
per day.

AVERAGE INITIAL ROCK PRESSURE: 535 Lbs.

AVERAGE PRODUCING DEPTH: 1825'.

TOTAL PRODUCING GAS WELLS, as of 1-1-47: 18.

GAS PRODUCTION: 1946 1,366,109 MCF.

GAS CUMULATIVE PRODUCTION, to 1-1-47: 20,000,000 MCF.

HOGBACK POOL

LOCATION: T. 29 N., R. 16 W., sec. 18, 19.
DISCOVERY DATE: Sept. 25, 1922.
DISCOVERY WELL: Midwest Refining Co., No. 1, Hogback
NE 1/4 sec. 19-29N-16W. Total Depth
988, Top Pay 722. Initial production,
flowing 375 bbls. per day. Elevation
5133.
GRAVITY OF OIL: 60°.
AVERAGE THICKNESS OF PAY ZONE: 9'.
PRODUCING FORMATION: Dakota Sandstone.
OIL PRODUCTION 1946: 2,450,370 bbls.
AREA OF PROVEN PRODUCTION: 160 acres.
PER ACRE RECOVERY, to 1-1-47: 15,314 bbls.

PRODUCTION DATA

STANOLIND OIL & GAS CO.
Hogback - Lease

JANUARY - 7428 bbls.	JULY - 7419
FEBRUARY - 7009	AUGUST - 7525
MARCH - 7406	SEPTEMBER - 7235
APRIL - 7175	OCTOBER - 7299
MAY - 7495	NOVEMBER - 6941
JUNE - 7278	DECEMBER - 7134
TOTAL PRODUCTION for <u>1946</u> .	87,314 bbls.
CUMULATIVE PRODUCTION to 1-1-47	2,450,370 bbls.

RATTLE SNAKE POOL

LOCATION: T. 29 N., R. 19 W. secs. 1, 2, 12.
T. 30 N., R. 19 W. secs 35.
DISCOVERY DATE: February 27, 1924, Dakota Pay, April 1929.
Pennsylvanian Pay.
DISCOVERY WELL: Producers & Refiners Corp. No. 1, Rattlesnake
(Dakota Pay) Total Depth 826. Initial pro-
duction, 10 bbls. per day. Continental Oil
Corp., No. 17, Rattlesnake, SE NE sec. 2,
T. 29 N., R. 19 W. Total Depth 5771, Initial
production, 800 bbls. oil per day.
GRAVITY OF OIL: Shallow Pay 63°.
Deep Pay 41,7°.
PRODUCING HORIZON & DEPTH ENCOUNTERED:
Dakota Sandstone - 750' to 875'.
Pennsylvanian Lime (Lower Hermosa) 6750'.
OIL PRODUCTION: 1946 34,880 bbls.
CUMULATIVE PRODUCTION to 1-1-47 4,847,477 bbls.
TOTAL PROVEN ACREAGE: 450 acres.
PER-ACRE RECOVERY to 1-1-47: 10,772 bbls.

PRODUCTION DATA

CONTINENTAL OIL CO.
Rattlesnake - Lease.

JANUARY	- 3670 bbls.	JULY	
FEBRUARY	- 3183	AUGUST	- 3215
MARCH	- 3492	SEPTEMBER	- 2880
APRIL	- 3588	OCTOBER	- 2734
MAY	- 2655	NOVEMBER	- 2912
JUNE	- 3483	DECEMBER	- 3068

TOTAL PRODUCTION 34,880 bbls.
1946

CUMULATIVE PRODUCTION 4,847,477 bbls.
to 1-1-47

BUTANE-PROPANE MIX - 1946 - 1,011,554 Gallons.

TABLE MESA POOL

LOCATION: T. 27 N., R. 17 W., sec. 3.
 DISCOVERY DATE: 1925.
 DISCOVERY WELL: Continental Oil Co., No. 1, Table Mesa,
 SE SW, sec. 3, T. 27 N., R. 17 W. Initial
 production, flowing 325 bbls. oil per day.
 GRAVITY OF OIL: 56.4°.
 THICKNESS OF PAY ZONE: 12'.
 PRODUCING FORMATION: Dakota Sandstone.
 AVERAGE PRODUCING DEPTH: 1325'.
 PRODUCING OIL WELLS as of 1-1-47. & 7.
 OIL PRODUCTION: 1946. 45,787 bbls.
 CUMULATIVE PRODUCTION to 1-1-47: 755,036 bbls.
 AREA OF PROVEN PRODUCTION: 160 acres.
 PER-ACRE RECOVERY to 1-1-47: 4719 bbls.

SUBSURFACE COMPLETION DATA

COMPANY	W U	E N	L I	COMP.	INITIAL	DAILY	ELEV.	T.D.	T.P.	REMARKS
LEASE	L T	S-T-R	DATE	PROD.						
CONTINENTAL OIL CO.										
Navajo 13	G	3-27-17	1-2-46	F-30	BO		1335	1300		

PRODUCTION DATA

CONTINENTAL OIL CO. - Company
 TABLE MESA - Lease. Well Nos. 1, 2, 3, 5, 9, 12, 13, combined

JANUARY	- 2397 bbls.	JULY	- 4153
FEBRUARY	- 2185	AUGUST	- 4515
MARCH	- 3734	SEPTEMBER	- 4060
APRIL	- 4030	OCTOBER	- 4712
MAY	- 4035	NOVEMBER	- 4501
JUNE	- 3868	DECEMBER	- 3597

CUMULATIVE PRODUCTION to 1-1-47: 755,036 bbls. TOTAL PRODUCTION 45,787 bbls.
 1946

UTE DOME POOL

LOCATION: T. 31 N., R. 14 W. secs. 1, & 2.
T. 32 N., R. 14 W. secs. 35, & 36.
DISCOVERY DATE: October 1921.
DISCOVERY WELL: Midwest Refining Co., No. 1, Ute Dome,
SE 1/4 sec. 35, T. 32 N. R. 14 W. Total
Depth 2325, Initial production, 4,000
MCF per day.
PRODUCING FORMATION: Dakota Sandstone.
AVERAGE PRODUCING DEPTH: 2300'.
PRODUCING GAS WELLS, as of 1-1-47. 3.
GAS PRODUCTION. 1946. 527,466 MCF.
CUMULATIVE PRODUCTION to 1-1-47. 10,953,766 MCF.

PRODUCTION DATA

STANOLIND OIL & GAS CO. - Company
Ute Dome - Lease. Well Nos. 1-M, 2-M, 1-D, Combined.

JANUARY - 38888 MCF	JULY - 23924
FEBRUARY - 32838	AUGUST - 40368
MARCH - 30010	SEPTEMBER - 46559
APRIL - 32518	OCTOBER - 59442
MAY - 57305	NOVEMBER - 59507
JUNE - 39029	DECEMBER - 67078
TOTAL PRODUCTION 527,466 MCF	
<u>1946</u>	

CUMULATIVE PRODUCTION 10,953,766 MCF
to 1-1-47

SAN MIGUEL COUNTY

SUBSURFACE COMPLETION DATA ON WILDCATS

COMPANY	W	U		COMP.			
LEASE	E	N	S-T-R	DATE	ELEV.	T.D.	REMARKS
	L	I					
	L	T					
<u>HIRSHFIELD-FLORANCE</u>							
Thompson	1	F	14-21N-22E	4-23-46	5096	4550	Top San Andres 800, Top Glorieta, 1165, Top Yeso 1460, Top Abo 3750, Top Granite 4537. Plugged and abandoned.
<u>PHILLIPS</u>							
Leatherwood							
	1		2-15N-18E	11-14-46	6961	2773	Plugged and abandoned.
<u>A. B. WHARTON</u>							
Upton	1	D	25-18N-26E	9-25-46	4875	2171	Top Granite Wash, 1937. Flank test on Pino Mesa dome.

TORRANCE COUNTY

<u>DALE RESLER</u>							
Nalda	1	P	27-1N-15E	1-7-46		3350	Top Granite, 3335. In pre-Cambrian at total depth.