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BUREAU OF MINES AND MINERAL RESOURCES
A Division of the School of Mines
E. C. ANDERSON
Director

Circular 17

CAPROCK POOL STATISTICAL REPORT
Chaves & Lea Co. New Mexico

Compiled By
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and
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Socorro

1947

GENERAL STATEMENT

The Caprock Pool Statistical Report includes oil production, subsurface completion and bottom hole pressure data for wells in the Caprock Pool.

The compilation of these data is done as a service to the Caprock Pool operators, and to the oil and gas industries of New Mexico.

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The report was ably typed and prepared for publication by Helen A. Watson, under the direction of the authors.

GENERAL INFORMATION

The Caprock Pool is located at the common corner of Townships 12 and 13 S, Range 32 E, Lea County, and Townships 12 and 13 South, Range 31 E, Chaves County, New Mexico. The field is one mile east of the "Caprock", the west boundary of the Llano Estacado.

The discovery well, Geo. P. Livermore, No. 1 D, State, located in the SE/4 Sec. 30, T 12 S, R 32 E, was completed on November 24, 1940. The well was drilled to 4385' in lime and plugged back to 3052' and completed natural for 16 bbls. of oil and 9 bbls. of water daily. The second well in the pool was completed on March 30, 1944, 3 1/2 years after the discovery well.

Due to the lack of transportation facilities, the production rate in the pool has been very erratic. The Stanolind Pipe Line Company commenced taking oil through their recently completed 6" pipe line outlet on September 1, 1947. The monthly production rates are shown on the attached production curve.

All wells are drilled on a regular 40-acre allowable unit and in most cases the well is located in the center of the unit.

Wells in the Caprock Pool have been drilled with rotary tools to the top of the Queen formation at which point the oil string of casing was set and cemented. The wells were then "drilled in" with cable tools.

Caliche and surface materials are underlain by red sand and shale of Triassic and Permian Age. The Rustler, encountered at about 1350', is represented by approximately 100' of anhydrite. The Salado consists of salt, red shale and stringers of anhydrite, and is approximately 650' thick. Tansill formation is 140' thick and consists of red shale and anhydrite. The Yates and Seven-Rivers formations are made up of 770' of red shale, red and gray sand, anhydrite and salt. The thickness of these formations is difficult to estimate from rotary cuttings. The "Artesia Red Sand", uppermost member of the Queen formation, is encountered at approximately 3040'

and is the producing formation in the Caprock Pool.

The accumulation of oil is found in the "Red Sand" on the East flank of a local high extending slightly east of north through this area. The reservoir is a stratigraphic trap; but there are indications of local "hickies" with a few feet of closure.

The pay section is a sand with a wide range of porosity, permeability and saturation, and in some areas contains salt and shale. The more prolific wells with a highly permeable producing formation "drill themselves in", and the actual thickness of the pay is not known. However, the estimated average thickness of effective pay for the pool is less than 12 feet.

The results of an analysis of cores of the pay zone in the Livermore - Malco "E" State No. 1 were as follows:

Average Permeability,	Millidarcys	147
Average Porosity	Per cent	19
Average Residual Oil Saturation Per cent of pore space		17.1
Connate Water	Per cent pore space	17

The Caprock Pool is considered to be a dissolved gas drive type reservoir with an estimated solution gas-oil ratio of 260 cubic feet of gas per barrel of oil. The absence of an active water drive in the pool has not been established.

The crude oil is a paraffine base, 37.7° gravity A. P. I. at 60°F with a sulfur content of 1.07% and a salt content of 4.03 pounds per 1000 bbls.

The original reservoir pressure was not recorded. The highest pressure recorded in the field with a pressure bomb was 1042 P. S. I. at a datum of 1400' above sea level.

Lea & Chaves County, Hew Mexico

COMPANY LEASE	WELL UNIT	S.	T. R.	COMP. DATE	ELEV.	T.D.	TOP PAY	I.P. BOPD	OIL STRING			Tbg. Record		SHOT		TOP ANHY.
									Size	Depth	Sax	Mize	Depth	Qts.	Interval	
BRITISH AMERICAN OIL PROD. CO.																
State	1	B	13-13-31	12-21-46	4401	3051	3050	225F	7	3043	600	2	3032			
State	2	G	13-13-31	3-19-47	41,06	3066	3051	96P	7	3045	600	2	3055	40	3050-65	1465
CITIES SERVICE OIL C.																
State R	1	C	17-13-32	7-12-47	4366	3070	3054	216F	5 1/2	3028	600	2	3062			
State R	2	D	17-13-32	9-14-47	4372	3072	3055	111P	5 1/2	3029	600	2	3067	50	3055-72	
COOPERATIVE PROD. ASSOCIATION																
Grt. Ws. Pr. Sc.	1	0	12-13-31	7-18-46	4405	3056	3050	432F	5 1/2	3013	600	2	3045			
Liv. Max. St.	1	0	36-12-31	12-10-45	4407	3055	3023	120F	5 1/2	2990	600	2	2980			1460
Liv. Max. St. A	1	J	1-13-31	1-26-46	4392	3034	3024	80F	5 1/2	3004	600	2	3032	50	3024-34	1410
Liv. Fax. St. D	2	0	30-12-32	5-24-44	4392	3033	3032	144P	5 1/2	3008	500	2	3030			1390
Liv. Max. St. G	1	C	31-12-32	7-26-44	4387	3023	3020	146P	5 1/2	3004	600	2	3022			1390
Max. St. G	4	0	31-12-32	7-22-45	4374	3021	3015	84P	5 1/2	2970	600	2	3020	30	3011-21	1370
Max. St. G	5	J	31-12-32	7-23-45	4390	3015	3013	366P	5 1/2	2977	600	2	3010			1385
Max. St. H	1	H	36-12-31	7-26-44	4402	3016	3015	133P	5 1/2	3004	237	2	3015			1400
Max. St. J	1	L	6-13-32	4-26-45	4393	3032	3031	173F	5 1/2	3007	600	2	3030			1430
Max. St. J	2	K	6-13-32	10-31-45	4393	3053	3040	240P	5 1/2	3002	600	2	3051	70	3040-48	1430
Max. St. J	3	H	6-13-32	2-21-46	4401	3064	3038	576F	5 1/2	3006	600					1423
Max. St. J	4	IT	6-13-32	3-14-46	4390	3059	3034	372F	5 1/2	3020	600	2	3045			
Max. St. K	1	C	7-13-32	5-22-46	4391	070	3042	216F	5 1/2	3009	600	2	3065			
McQueen St.	1	H	1-13-31	9- 2-45	4402	3038	3026	45F	5 1/2	3000	600	2	3034	70	3016-36	1150
Ohio St.	1	J	11-13-31	11- 5 - 5	4417	3048	3022	70F	5 1/2	2998	600			80	3022-47	1456
Williams	1	B	7-13-32	1-11-45	4385	3064	3045	24P	50	2975	600	2	3063	60	3044-59	1420
Williams	2	G	7-17-32	8-22-47	4382	3061	3044	80P	5 1/2	3033	600	2	3005	30	3044-59	1390
Williams	3	H	17-13-32	10-15-47	4378	3057	3044	45P	5 1/2	3035	600	2	3025	30	3045-57	
Williams	4	A	7-13-32		4385											
Malco Max. St. F	3	1	1-13-31	6-24-46	4404	3034	3034	1000	5 1/2	3014	600	2	3035			
MalcoMax. St. H	1	D	7-13-32	5-15-46	4389	3035	3028	576F	5 1/2	3002	600	2	2963			
Malco Max. St. F	1	J	36-12-31	1-18-46	4410	3020	3017	91F	5 1/2	2978	600	2	3019			1470
Malco Max. St. A	1	B	31-13-32	3-30-44	4395	3030	3029	120P	5 1/2	2995	150	2	3029			1394

ALL MEASUREMENTS DERRICK FLOOR

QUEEN	SAN		NOV.	PROD.	JUNE	PROD.	NOV.	ACCUM.
Depth	Datu	REMARKS	1	11-46 to 6-47	1947 BHP	6-47 to 11-47	1947 BHP	to 11-1-47
3050	1351			5879	780	5411	627	9486
3051	1355	81 BUD Natural .		803	868	1633	684	<u>2436</u>
305 ₄	1312					3140	668	3140
3055	1317	1600' oil in hole after shot				1774	833	1774
3050	1385		871	3981		3921		9630
3028	1379	-Cored 3023-39 & 3039-55	645	4772		4595	501	17311
3022	1370		747	3210	668	3794	590	14301
3032	1360	2000' oil in hole - Natural.	472	4269	835	3153	439	21)473
3020	1367	Flo. 286 BO thru csg. (6 Hrs.) & died,		4292		14)424	482	26981
3012	1362	1200' oil in hole. Natural.	437	4294	623	4424	810	22260
3013	1377		710	4419	800	4424	657	22382
3015	1387			4132	729*	▶218	629*	27079
3031	1362		781	3989	711*	4080	624	19888
3040	1383		748	3989	694	4080	597	19815
3038	1363		783*	3990	707*	4080	623*	15591
3034	1356	Last hr. 24 hr. test Flow 9 BO	763*	3937	703*	4081	633*	15537
3042	1349	s. I. Csg. Press, 970#	255	4052	677	4144	548	13589
3026	1376	1100' Oil in hole - Natural (22Hrs.)	619	1691	461	1519	421	12906
3022	1395		546	2814	427	2088	438	8523
3045	1340	Swb. 1 BOPH on 19 Hrs. test.		28)44	603	2823	566	12484
3044	1338	Lane-wells log 1000' Oil in hole. Natural				1302	382	1302
3044	1334	1400' oil in hole - Natural.				331	672	331
3034	1370			4351	761*	3829		14266
3028	1361			3849		4276	823*	13594
3017	1393		684	4007	585	3827	511	16632
3029	1366		619	3566	629	36)48	862	27030

* Plus 1400 datum pressures taken with bomb; Other pressures with echo meter.

COMPANY	WELL	S. T. R.	ELEV.	T.D.	I.P.	OIL	TBG. RECORD	SHOT	TOP							
LEASE	UNIT	COMP.	DATE	TOP	BOPD	STRING	Size	Qts.	ANHY.							
				PAY	Size	Depth	Sax	Interval								
								Dept								
COOPERATIVE PROD. ASSOCIATION -																
Continued																
Nalco Max. St. A	2	G	31-13-32	7-10-44	4395	3041	3031	116P 5 1/2	2996	600	2	3036	30	3030-41	1390	
Malco Max. St. A'	3	L	31-13-32	11- 4-44	4395	3005	3004	140F 5 1/2	2973	600	2	3004			1410	
Malco Max. St. A	4	H	31-13-32	2-17-45	4395	3016	3016	150F 5 1/2	2956	600	2	3014			1410	
Nalco Max. St. A	5	N	31-13-32	5-15-L5	4390	3016	3016	35P 5 1/2	2977	600	2	3017			1300	
Malco Max. St. A	6	K	31-13-32	7- 3- 45	4389	3008	3003	166F 5 1/2	2972	600	2	2988	55	3010-25	1390	
Malco Max. S. B	1	G	36-12-31	1-11-45	4402	3028	3010	25F 5 1/2	2962	600	2	3026	1 2	3010-25	1420	
Malco Max. St. C	1	I	36-12-31	2- 6-45	4399	3011	3010	1064F 5 1/2	2962	600	2	3002			1390	
Malco Max. St. E,	1	G	1-13-31	10-21-45	<u>4407</u>	3034	3026	200P 5 1/2	2999	600	2	3024			1470	
COCKBURN, BARNEY																
State	1	N	36-12-31	3-12-47	1440	3045	3025	100P 5 1/2	3007	600	2	2950	100	3016-38	1495	
State	2	F	13-13-31	10-16-47	4410	3068	3060	36P 5 1/2	3032	600	2	3004	20	3060-68	1469	
DELTERN OIL CO.																
State	A	1	P	36-12-31	9- 5-45	4407	3032	3025	110F 5 1/2	3001	600	2	3025		1420	
State	B	1	B	1-13-31	9- 9-15	4406	3022	3020	120F 5 1/2	2989	600	2	3015		<u>1440</u>	
State	C	1	K	1-13-31	10-11-45	4395	3030	3021	110F 5 1/2	2982	600	2	3025		1446	
State	D	1	N	1-13-31	12-22-45	4409	3037	3037	150F 5 1/2	2993	600	2	3029		1430	
State	E	1	A	11-13-31	1-9-46	4416	3043	3032	312F 5 1/2	2996	600	2	3036		1440	
State	E	2	H	11-13-31	9-13-46	4410	3044	3036	192F 5 1/2	2991	600	2	3035		1450	
State	F	1	E	7-13-32	3- 7-46	4399	3043	3042	145F 5 1/2	3020	600	2	3033		1450	
State		2	L	7-13-32	7-30-46	4403	3056	3050	360F 5 1/2	3014	600	2	3041		<u>1440</u>	
State		3	M	7-13-32	8-16-46	4395	3053	3048	65F 5 1/2	3008	600	2	3037		1450	
State	G	1	O	1-13-32	4- 9-46	<u>4405</u>	3040	3040	1000F 5 1/2	3000	600	2	3031		1450	
State		2	P	1-13-32	4-17-46	4394	3034	3030	360F 5 1/2	2989	600	2	3019		<u>1430</u>	
State	H	1	A	12-13-31	7- 6-46	4403	3044	3034	110F 5 1/2	2994	600	2	3040		1450	
State		2	B	12-13-31	7-31-46	1440	3040	3040	840F 5 1/2	3001	600	2	3036		1450	
State	J	1	A	13-13-31	1-28-47	4393	3047	3041	65F 5 1/2	3026	600	2	3034		1460	
State		2	E	13-13-31	7- 3-47	<u>4416</u>	3072	3058	149P 5 1/2	3012	600	2	3070	45	3059-67	1450

ALL MEASUREMENTS DERRICK FLOOR

QUEEN SAND		REMARKS	NOV.	PROD.	JUNE	PROD.	NOV.	ACCUM.
Depth	Datum		1946 BHP	11-46 to 6-47	1947 BHP	6-47 to 11-47	1947 BHP	to 11-1-47
3031	1364	Swb. 3 BOPD - Natural.	687	3567	567	3648	184	21545
3004	1391	Flo 150 BO in 12 hrs.	664*	3568		3648	552	21874
3016	1379			3569	627*	3647		21107
3016	1374		634	3570	575	3646	516	20272
3008	1381		636*	3570	641*	3647		19904
3014	1388			839	711	382	602	5171
3010	1388		654*	3977		4015	532*	24978
3026	1381		721*	3675	632*	4302	604*	19071
3018	1384			762	480	3603	312	4365
3057	1353						487	
3025	138		683	4318	359	3333	559	18302
3020	1386		664*	4248	608*	3530	524*	20643
3021	1374			3810	624	4470	470	20522
3037	1372		820*	3563	739*	4750	638*	17518
3032	1384		835	5582	773	3556	662	15502
3036	1374			2640	630	3820	1486	7653
3042	1357		814*	4046	748*	4741	652*	17021
3050	1353		834*	4689	752*	4120	641*	11513
3048	1347		863*	4270	767*	5925	648*	13445
3040	1365		774*	4543	709*	5311	615*	17520
3030	1364		793*	3239	726*	5599	657*	15416
3034	1369		794*	3923	739*	4514	640*	11396
3040	1367		815*	4809	749*	5675	645*	114267
3041	1352			2050	701	4502	575	6552
3058	1358					2321	713	2321

* Plus 1400 Datum pressures taken with bomb; Other pressures with echo meter.

COMPANY LEASE	WELL UNIT	S. T. R	COMP. DATE	ELEV.	T.D.	TOP PAY	I.P. BOPD	OIL STRING			TEG. RECORD		SHOT		TOP ANHY.
								Size	Depth	Sax	Size	Depth	Qts.	Interval	
GREAT WESTERN PROD.															
Max. State	1	G	12-13-31	9- 3-46	4400	3037	3036	740F7		3021	600	2	3036		1487
State	L 1	N	12-13-31	8-25-46	4401	3047	3046	703F5 1/2		3039	600	2	3046		1440
State	2	K	12-13-31	10-28-46	4407	3045	301.,11	1000F5 1/2		3035	600	2	3042		1415
S t a t e M 1	N		12-13-31	1-25-47	1,396	3048	3033	144P5 1/2		3000	600	2	3047	40	3033-47
State	2	L	12-13-31	3- 4-47	4408	3054	3042	120F5 1/2		3039	b0o	2	3053	40	3042-54
State	N 1	D	18-13-32	3- 5-47	4396	3050	3050	240F5.1/2		3040	600	2	3049		1425
State	2	A	18-13-32	8-24.-47	4374	3060	3045	52P 5/8		3025	600	2	3030		1442
State	. 3	B	18-13-32	11-15-47	4381	3062	3014	30P5 1/2		3038	600	2	3057	40	3045-62
State	0 1	H	13-13-32	4- 7-47	4395	3077	3045	15P5 1/2		3014	600	2	3051	40	3045-65
G.P. Livermore State	1	P	30-12-32	11-24-40	4385	4385	3027	16P7		3048	75	2	3040		1395
P8304															
GULF OIL															
Lea State	1	D	6-13-32	12-18-45	4383	3041	3017	27P5 1/2		2985	500	2	3022	30	3017-32
Lea State	2	F	6-13-32	10- 1 - 47	4398	3053	3035	2525 1/2		2997	600	2	2993	30	3035-50
Chaves State	1	C	12-13-31	7-21-47	4403	3048	3045	100F5 1/2		3000	600	2	2998		
Chaves State	2	D	12-13-31	11- 6--7	4140	3060	3043	508F5 1/2		3010	500	2	3050		1420
MALCO REFINERIES															
Caprock State	1	N	7-13-32	11-29-46	4399	3065	3053	2525 1/2		3040	600	2	3025	60	3052-60
Caprock State	2	J	6-13-32	12-12-46	4391	3063	3044	60F5 1/2		3041	600	2	2996	40	3044-58
Caprock State	3	O	6-13-32	2-24-47	4379	3048	3028	75P5 1/2		3028	600	23/8	3001	80	3028-48
Caprock State	4	P	6-13-32	3-27-47	4388	3070	3051	70P5 0		3035	600	2	3052	90	3050-70
Max. State	1	H	12-13-31	9-21-46	4396	3032	3032	1000F5 1/2		3028	600	2	3007		1435
Max. State	2	I	12-13-31	9-28-46	4379	3026	3026	1000F5 1/2		3012	600	2	2950		
Max. State	3	C	1-13-31	10-14-46	4409	3068	3054	125F5 1/2		3043	600	2	3059	30	30524-68
Max. State	C 2	F	1-13-31	Re.4- 8-47	4402	3050	3015	12P5 1/2		2998	660	2	3050	100	3020-50
Williams	1	J	7-13-32	11-11-46	4387	3070	3053	20F5 1/2		3042	600	2	3007	40	3053-70
Williams	2	I	7-13-32	2-12-47	4380	3067	3048	110P5 1/2		3035	600	2	3016	66	3041-60
Williams	3	P	7-13-32	4-30-47	4388	3071	3054	30P 51/2		3035	600	2	3069	80	3054-71

ALL MEASUREMENTS DERRICK FLOOR

QUEEN SAND		REMARKS	NOV.	PROD.	JUNE	PROD.	NOV.	ACCUM.
Depth			1946	11-46 to	1947	6-4.7 to	1947	to
Datu			BHP	6-47	BHP	11-47	BHP	11-1-47
3036	1364	46 BO 10 min. after Flo 2 hrs.	823*	4348	769*	4530	657*	10018
3046	1355		906*	3805	766*	4205	681*	9533
3044	1367	25 BO 15 min. thru csg.		3804	768*	14206	654*	8010
3033	1363			24149	776	3695	709	<u>6144</u>
3042	1366			1703	789	3698	657	5401
3050	1346				816*	2786	685	2786
3045	1329					1890	557	1890
3042	1339	Swb. 53 BOPD						
3044	1351	Lane wells log			428	738	574	738
3027	1358	Csg. Perf. 29 shots 3021-33 Completion test 16 BO, 9 13W per day						2689
3017	1371	400/ 0 I H in <u>24</u> hrs. - Natural		878	53	4.70	356	3221
3035	1363					174	594	174
3042	1369					2822	666*	2822
3040	1370							
3053	1346			824	695	613	207	1437
3044	1347			1776	641	2600	534	4376
3028	1351			999	372	2601	566	3600
3050	1338			<u>524</u>		2602	206	3126
3032	1364		824*	3867	751*	4391	662*	9520
3026	1353			3870	755*	4395	692*	9528
3054	1355	30 BOPD - Natural	913*	3526	678	3162		6688
3015	1387	Old Well Recompleted				443	172	443
3051	1336			3187	459	3419	541	6606
3048	1332			2228	711	3421	643	5649
3054	1334			530	373	3422	373	3952

* Plus 1400 datum pressures taken with bomb; Other pressures with echo meter.

COMPANY LEASE	WELL UNIT	S.	T. R.	COMP. DATE	ELEV.	T.D.	TOP PAY	I. P.		OIL STRING		TBG. RECORD		SHOT		TOP ANHY.	
								BOPD	Size	Depth	Sax	Size	Depth	Qts.	Interval		
MALCO REFINERIES - Continued																	
Williams	4	0	7-13-32	8-5-47	4391	3064	3051	53P	5	0	3044	600	2	2997	65	3050-64	
Williams	5	E	8-13-32	9-28-47	43 77	3068	3054	45P	5 1/2	3044	600	2	2998	70	3053-68	MANRY	
& CO.																	
Manry State A	1	G	6-13-32	4-20-47	4390	3049	3036	80P	7		3024	600	2	3048	30	3036-48	
Manry State A	2	B	6-13-32	5-20-47	4393	3038	3032	564'	7		3026	600	2	3035			1400
Manry State A	3	G	11-13-31	5-27-47	4418	3042	3027	148F	5 1/2	3017	600	2	3018	30	3027-42	1438	
Manry State A	4	B	11-13-31		4411		3019										
POLIS, A. K.																	
State	A	1	F	12-13-31	7-26-47	4406	3045	3040	695F	7	3033	600	2	3007			1450
State	A	2	E	12-13-31	8-27-47	4396	3036	3031	800F	7	3012	600	2	3001			
State	B	1	M	1-13-31	10-14-47	4411	3051	3041	200P	7	3023	600	2	3009			
State	B	2	L	1-13-31		4415		3039									
RESLER OIL																	
State	A	1	A	1-13-31	5-24-46	4401	3043	3016	75F	7	2997	100	2	3040	120	3013-43	
State	B	1	P	12-13-31	10-20-46	4396	3066	3048	100F	5 1/2	3017	600	2	3056	120	3048-56	
State	C	1	J	12-13-31	11-21-46	1.403	3050	3040	400F	7	3021	600	2	3040			
State	D	1	K	7-13-32	12-14-46	4402	3075	3050	120P	7	3040	600	2	3040	100	3050-70	
State	E	1	D	13-13-31	1-16-47	4410	3063	3048	50P	7	3035	600	2	3040	50	3047-63	
WILLIAMS, SAM																	
Williams	1																
Williams	2	L	8-13-32	9-26-46	4.360	3072	3149	75F	7		3007	400	2	3000	110	3031-55	1487
Williams	3	M	8-13-32	11-18-46	4373	3071	3052	75P	7		2948	600	2	3040	120	3035-69	1493
Williams	4	N	8-13-32	2-26-47	4.362	3070	3050	150F	7		3030	600	2	3058	100	3051-69	1460
Williams		K	8-13-32	3-10-47	4.368	3085	3054	75P	7		3027	600	2	3054	120	3054-65	1476

ALL MEASUREMENTS DERRICK FLOOR

QUEEN		NOV.	PROD.	JUNE	PROD.	NOV.	AC
Depth	Datum	1946 BHP	11-46 to 6-47	19)47 BHP	6-47 to 11-47	CUM. 1947	to
3051	1340						
3054	1323				2338	684 783	2338
3034	1356						
3032	1361			796	2826	397	2826
3026	1392				5300	734	5300
3019	1392				1244	385	<u>1244</u>
30h0	1366						
3030	1366					1042*	
3040	1371					685	
3039	1376					722	
3016	1385						
3048	13148		3)496573		3203	319	10138
3040	1363		2805	715	3173		
3050	1352		2802	763*	4409	579	5978
3048	1362		1248	228	678		7211
			2137	143	1733	138	1926
						341	3870
3040	1320						
3052	1321	216	4167	447	3668	94	7855
3050	1312	808	4626	5614	3688	292	8314
3054	13114		1779	8314	3688	643	5467
			1781	318	3688	279	5469
TOTAL			229136		287895		916192
ARITHMETIC AVERAGE BHP		706-36 well s		633-66 wells		549-84 wells	
ARITHMETIC T IC AVERAGE BHP		700		655		572	
(32 wells on which 3 surveys have been run)							

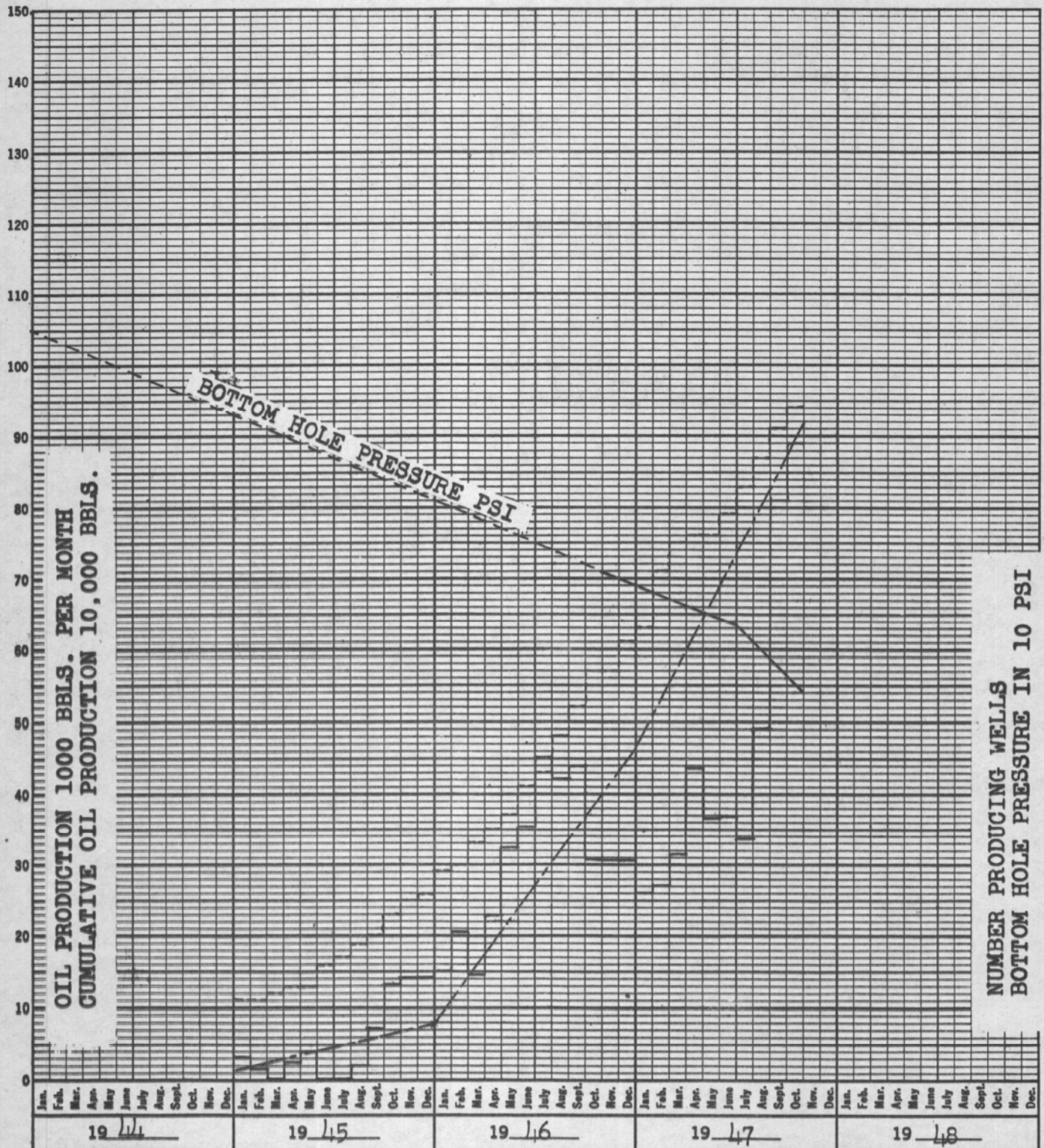
SUBSURFACE COMPLETION DATA ON DRY HOLES DRILLED IN CAPROCK AREA

COMPANY LEASE	WELL UNIT	S. T. R.	COMP. DATE	ELEV.	T.D.	TOP	I.P.	OIL SPRING	TBG. RECORD	SHOT	TOP ANHY	
					PAY	BOPD	Size	Depth	Sax	Size		Depth
DELVERN OIL CO.												
State	K 1	I A	10 - 20 - 17	0114	3055	Temp. Abd.	7	2996	600	65	3029-55	
GEORGE P. LIVERMORE												
State	F 1	N	30-12-32	5-27-144	4397	3040 Plg. & Abd.	5 1/2	3003	700	20 80	3033-40 4-34	1390
State	G 2	F	31-12-32	11 - 7-44	4.396	3037 Plg. & Abd.	5 1/2	2973	173	70	3016-34	1400
State	G 3	E	31-12-32	12-30-44	4.395	3024 Plg. & Abd.	5 1/2	2978	600	240	3016-34	1400
Williams	B 1	J	3-13-31	5-26-45	4441	3025 Plg. & Abd.	5 1/2	2900	600	74	3004-24	1407
MALCO REFINERIES, INC.												
State	D 1	F	36-12-31	3-20-45	4408	3048 Gas well shut in.	5 1/2	2960	600	80	3011-31	1420
SKELLY OIL CO.												
State	B 1	E	20-12-32	10- 8-45	4389	3115 Plg. & Abd.						1440

QUEEN AND	NOV.	PROD.	PROD.	NOV.	ACCUM.
Depth		JUNE	6-47 to	1947	to
Datu	REMARKS	1946	11-47	BHP	11-1-47
3029	1305				
3033	1364				
3017	1379				
3005	1391				
3002	1)439				
3015	1393				
3010	1379				

CAPROCK POOL

PRODUCTION & B. H. P. CURVE



Monthly Oil Production _____
 Cumulative Oil Production _____
 No. Producing Wells _____