

CIRCULAR 72

PETROLEUM DEVELOPMENTS
IN NEW MEXICO DURING 1960

*by Robert A. Bieberman
and Mary Ann Grandjean*

STATE BUREAU OF MINES AND MINERAL RESOURCES
NEW MEXICO INSTITUTE OF MINING AND TECHNOLOGY
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NEW MEXICO INSTITUTE OF MINING & TECHNOLOGY

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Abstract

Petroleum, the most important mineral industry in New Mexico, provided almost 68 per cent of the total value of all minerals produced in the state during 1960. The 1960 production of crude oil and distillate amounted to 107, 365, 148 barrels, an increase of almost 2-1/2 million barrels over 1959. Natural gas production amounted to 821, 914, 616, 000 cubic feet, an increase of almost 79 billion cubic feet over 1959. New Mexico ranks seventh in the production of crude oil and fourth in the production of natural gas in the United States.

A total of 1798 wells was drilled during the year, a decrease of 305 tests from the total for 1959. The total footage drilled in the state increased slightly in 1960 to 9, 129, 674 from 8, 724, 066 in 1959. Average depth per well increased from 4148 feet in 1959 to 5078 feet in 1960.

The wells completed in New Mexico during 1960 are listed along with the location, completion date, initial production, elevation, top of pay, and producing formation for each well.

Introduction

The petroleum industry is the most important mineral industry in New Mexico. During 1960, the value of crude oil, natural gas, and natural gas liquids produced made up almost 68 per cent of the total value of all minerals produced in the state. Based on figures from the U. S. Bureau of Mines' Minerals Yearbook for 1960, the rank and percentage of total value of the various minerals produced in New Mexico were as follows:

1. crude oil, 47 per cent
2. natural gas, 13 per cent
3. potash, 12 per cent
4. uranium, 9-1/2 per cent
5. natural gas liquids, 7-1/2 per cent
6. copper, 6-1/2 per cent
7. sand and gravel, 1 per cent
8. all others, 3 per cent

The first section summarizes production and drilling statistics for New Mexico during 1960. In the eight counties from which there was some oil or gas production (fig. 1), the status of each well has been determined on the basis of its proximity to other producing wells or established pool boundaries. Development wells are those located within one mile of a producing well or field and test rocks of the same geologic period or formation as the producing well or field. Wells spudded more than one mile from production, or which tested rocks previously nonproductive for a distance of at least one mile, are considered exploratory wells or wildcats.

The second section lists the wells completed in New Mexico during 1960 and the location, completion date, initial production, elevation, top of pay, and producing formation for each well. The wells are listed first by county and then by section, township, and range within the county. The unit letter designates the 40-acre tract within the section, on which the well was drilled. The letters "A" through "P" designate 40-acre tracts within a standard section; thus "A" represents the NE1/4NE1/4 location, "B" the NW1/4NE1/4 location, and so on. For sections that are more than one mile in a north-south direction, additional letters are used as needed. The letters and the 40-acre tracts they designate are illustrated below:

D	C	B	A
E	F	G	H
L	K	J	I
M	N	O	P
T	S	R	Q
U	V	W	X

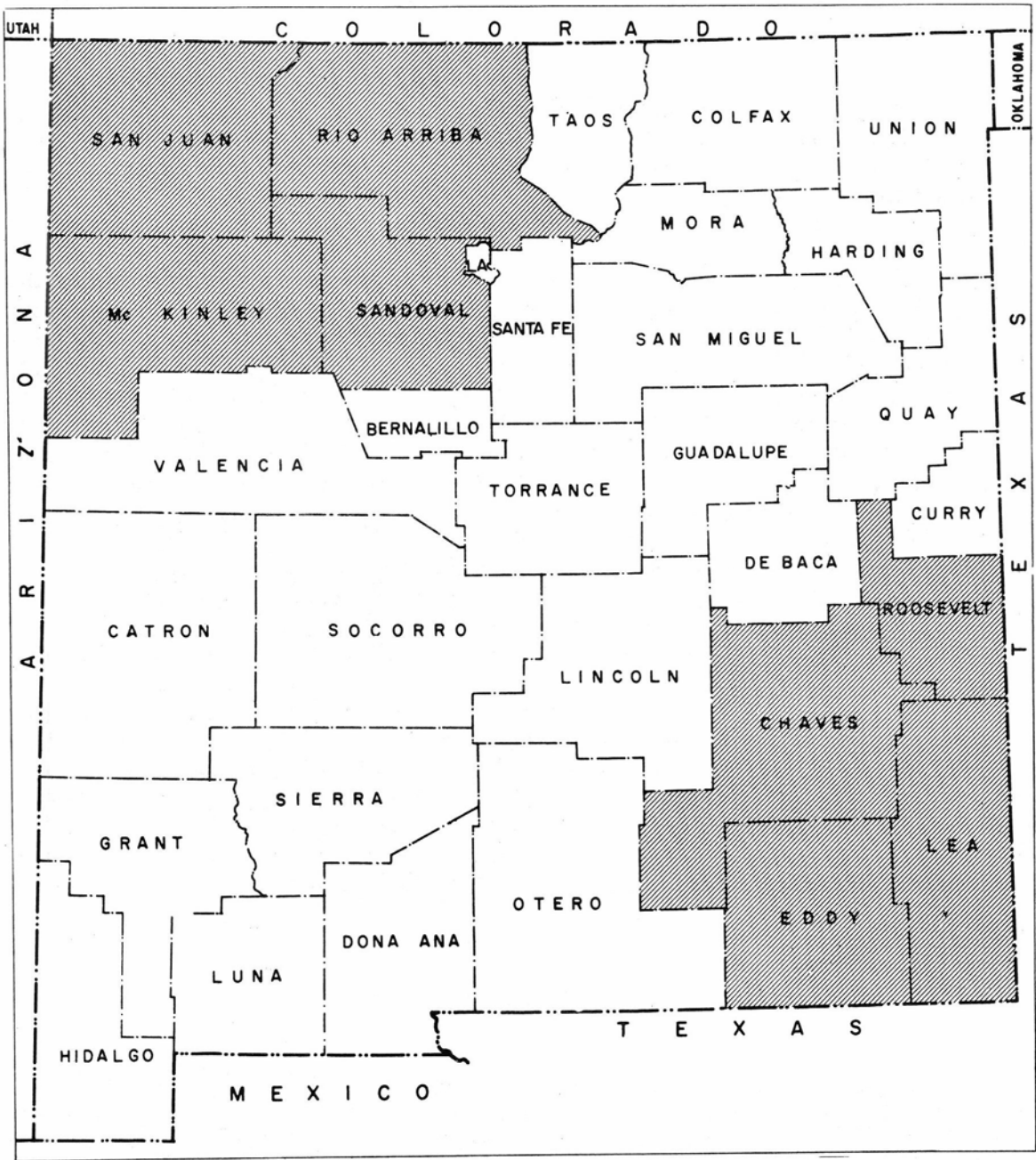


FIGURE I
COUNTY INDEX MAP OF NEW MEXICO,
SHOWING PRODUCING COUNTIES

PRODUCTION SUMMARY

The 1960 production of crude oil and distillate in New Mexico amounted to 107, 365, 148 barrels, an increase of 2, 418, 179 barrels over the amount produced in 1959. New Mexico ranks seventh in the production of crude oil in the United States behind Texas, Louisiana, California, Oklahoma, Wyoming, and Kansas. Four per cent of the total amount of oil produced in the United States is produced in New Mexico.

Lea County led in the production of oil, accounting for 71 per cent of the total (table 1). Production in this county continued, however, to decline from the record high of 81, 405, 720 barrels established in 1957. Lea County production during 1960 amounted to 76, 199, 810 barrels, a decrease of 1, 843, 322 from the 78, 043, 132 barrels produced in 1959. Of the remaining producing counties, production during 1960 was below the 1959 total in Chaves, McKinley, and Sandoval counties. Production increased in Eddy, Roosevelt, San Juan, and Rio Arriba counties, the largest gain being in Eddy County which showed an increase of 3, 438, 976 barrels.

Production of natural gas in 1960 totaled 821, 914, 616, 000 cubic feet, an increase of 78, 874, 441, 000 over the previous record high year of 1959, when 743, 040, 175, 000 cubic feet were produced. New Mexico ranks fourth in the production of natural gas in the United States behind Texas, Louisiana, and Oklahoma. New Mexico provides 6 per cent of the nation's total gas production.

Lea County continued to lead in the production of dry and casinghead gas, accounting for 51 per cent of the state total. The county produced 422, 481, - 587, 000 cubic feet during 1960, an increase of 19, 214, 011, 000 over the total for 1959. Of the remaining producing counties, Chaves County recorded a decrease in production amounting to 504, 460, 000 cubic feet. Gas production increased in Eddy, Roosevelt, Rio Arriba, Sandoval, and San Juan counties during 1960, the largest gain being in San Juan County which showed an increase of 28, 722, 129, 000 cubic feet.

RESERVES

The American Petroleum Institute's Committee on Petroleum Reserves estimated proved reserves of crude oil in New Mexico, recoverable under existing economic and operating conditions, to be 1, 083, 658, 000 barrels on December 31, 1960, an increase of 57, 869, 000 over the previous year's estimate of 1, 025, 789, 000 barrels. Production exceeded new reserves discovered during 1960 by 85, 082, 000 barrels. Extensions of existing reservoirs and revisions of previous estimates during 1960 added 142, 951, 000 barrels. The ratio of reserves to production for New Mexico crude oil rose slightly during the year to 10. 39 years from the 1959 ratio of 9. 7 years.

The American Gas Association's Committee on Natural Gas Reserves reported that estimated proved recoverable reserves of natural gas in New Mexico totaled 15, 603, 724 million cubic feet as of **December 31, 1960, decreasing** by 2, 309, 074 million cubic feet during the year. Of this decrease, 1, 654, 454 million cubic feet were accounted for through revisions of previous estimates during 1960. Production exceeded new reserves discovered in 1960

TABLE 1. OIL AND GAS PRODUCTION BY COUNTY, AREA, AND STATE,
1960*

County and area	Crude oil and distillate (bbl)	Dry gas and casinghead gas (cu ft)
Chaves	3, 633, 832	1, 675, 543, 000
Eddy	11, 537, 079	23, 023, 790, 000
Lea	76, 199, 810	422, 481, 587, 000
Roosevelt	1, 189, 231	1, 332, 876, 000
Southeast area	92, 559, 952	448, 513, 796, 000
McKinley	113, 511	
Rio Arriba	1, 260, 872	142, 619, 369, 000
Sandoval	14, 395	11, 676, 000
San Juan	13, 416, 418	230, 769, 775, 000
Northwest area	14, 805, 196	373, 400, 820, 000
State total	107, 365, 148	821, 914, 616, 000

*Data modified from the 1960 Annual Report of the New Mexico Oil
and Gas Engineering Committee.

by some 651, 303 million cubic feet. The ratio of natural gas reserves to production continued to decline from the 1959 ratio of 25. 49 years to 20. 04 years during 1960.

The committee reported that estimated proved recoverable reserves of natural gas liquids in New Mexico totaled 484,799, 000 barrels as of December 31, 1960. This represents an increase of 61,759,000 over the previous year's estimate of 423, 040,000 barrels. Production exceeded new discoveries by 24,375, 000 barrels, and 86, 134, 000 barrels were added during 1960 by extensions of existing reservoirs and revisions of previous estimates. The ratio of natural gas liquids reserves to production in New Mexico declined from 22.16 years in 1959 to 17. 1 years in 1960.

DRILLING SUMMARY

During 1960, a total of 1798 wells was drilled in New Mexico, a decrease of 305 tests from the total for 1959. Drilling was off by 260 wells in the northwest, 32 wells in the southeast, and 13 in the nonproducing counties.

Oil tests were drilled in 14 of the 32 counties in the state (table 2). Lea County led in the number of tests with 538, followed by Eddy with 473, San Juan with 433, Rio Arriba with 194, Chaves with 82, Roosevelt with 43, McKinley with 16, and Sandoval with 7. Twelve tests were drilled in 6 of the 24 nonproducing counties in the state. The southeast producing area of New Mexico, consisting of Chaves, Eddy, Lea, and Roosevelt counties, led in the number of tests drilled with 1136, compared to 650 tests in the northwestern area of San Juan, Rio Arriba, McKinley and Sandoval counties.

Increases over 1959 in the number of well completions were recorded in Eddy County, with 426 completions in 1959 and 473 in 1960, Roosevelt County, with respectively 14 and 43, and McKinley County with 6 and 16. The greatest decrease in number of wells drilled during the year was in San Juan County, with a drop from 631 wells in 1959 to 433 in 1960. Other decreases were in Rio Arriba County, from 256 to 194; Lea County, from 596 to 538; Chaves County, from 132 to 82; and Sandoval County, from 17 to 7.

Of the 1798 test wells drilled in New Mexico during 1960, 1471 were classified as development wells (table 3) and 327 as exploratory wells (table 4). Eighty-nine per cent of the development wells, 25 per cent of the exploratory wells, and 78 per cent of all the wells drilled were completed successfully. Forty per cent of the exploratory wells were successful in northwestern New Mexico and 20 per cent in the southeast. The high success ratio for northwestern New Mexico is the result of the large number of wells drilled to the Dakota sandstone during the year. Recognizing the Dakota to be a very large stratigraphic entrapment of gas and condensate, the New Mexico Oil Conservation Commission, toward the end of the year, grouped most of the scattered fields and probable areas of Dakota production into one "Basin—Dakota" field. This designation will cause most Dakota tests to be classified as development wells in the future. As a result, there should be lower success ratios for exploratory wells in northwestern New Mexico.

The total footage drilled in the state increased slightly in 1960 to 9,129,674 from 8,724,066 in 1959. The average depth per well rose from 4148 feet in 1959 to 5078 feet in 1960.

The total footage drilled in the Southeast area increased from 5,311, 432

TABLE 2. DRILLING STATISTICS, NEW MEXICO, 1960

County and area	Total wells	Oil	Gas	Dual completions	Triple completions	Dry	Per cent successful	Total footage	Average depth
Chaves	82	38				44	46	165,637	2020
Eddy	473	317	17	5		134	72	2,095,982	4431
Lea	538	365	19	39		115	79	3,141,544	5839
Roosevelt	43	35				8	81	413,938	9626
Southeast area	1136	755	36	44		301	74	5,817,101	5121
McKinley	16	4				12	25	30,282	1893
Rio Arriba	194	29	114	27	2	22	89	970,527	5003
Sandoval	7	1	1			5	29	20,649	2950
San Juan	433	134	226	23		50	88	2,248,560	5193
Northwest area	650	168	341	50	2	89	86	3,270,018	5031
Nonproducing counties	12*					12	0	42,555	3546
State totals	1798	923	377	94	2	402	78	9,129,674	5078

* DeBaca (2), Harding (2), Lincoln (1), Otero (4), Quay (1), Valencia (2).

TABLE 3. DEVELOPMENT STATISTICS, 1960

County and area	Total wells	Oil	Gas	Dual completions		Triple com-pletions	Dry	Per cent successful	Total footage	Average depth
				Oil-oil	Oil-gas					
Chaves	39	33					6	85	65,210	1672
Eddy	388	305	13	3	1		66	83	1,696,267	4372
Lea	453	352	14	31	5	1	50	89	2,484,625	5485
Roosevelt	37	34					3	92	356,829	9644
Southeast area	917	724	27	34	6	1	125	86	4,602,931	5019
McKinley	8	4					4	50	12,810	1601
Rio Arriba	168	20	111	1	2	23	9	95	866,392	5157
Sandoval	4	1	1				2	50	6,884	1946
San Juan	374	128	209		9	12	16	96	1,953,398	5223
Northwest area	554	153	321	1	11	35	31	94	2,839,484	5125
State totals	1471	877	348	35	17	36	156	89	7,442,415	5059

TABLE 4. EXPLORATORY STATISTICS, 1960

County and area	Total wells	Oil	Gas	Dual completions		Dry	Per cent successful	Footage drilled	Average depth
				Oil-oil	Gas-gas				
Chaves	43	5				38	12	100,427	2336
Eddy	85	12	4	1		68	20	399,715	4702
Lea	85	13	5	2		65	24	656,919	7729
Roosevelt	6	1				5	17	57,109	9518
Southeast area	219	31	9	3		176	20	1,214,170	5544
McKinley	8					8	0	17,472	2184
Rio Arriba	26	9	3	1		13	50	104,135	4005
Sandoval	3					3	0	13,765	4588
San Juan	59	6	17	2		34	43	295,162	5003
Northwest area	96	15	20	3		58	40	430,534	4485
Nonproducing counties	12*					12	0	42,555	3546
State totals	327	46	29	3		246	25	1,687,259	5160

* DeBaca (2), Harding (2), Lincoln (1), Otero (4), Quay (1), Valencia (2).

in 1959 to 5,817,101 in 1960. Average well depths decreased in Chaves County from 2896 feet in 1959 to 2020 feet in 1960 and in Roosevelt County from 9696 feet in 1959 to 9626 feet in 1960. Eddy and Lea counties showed increases in average well depth during 1960, with Eddy County increasing from 3578 feet in 1959 to 4431 feet in 1960 and Lea County from 5482 feet in 1959 to 5839 feet in 1960. The average well depth for all of southeastern New Mexico increased from 4548 feet in 1959 to 5121 feet in 1960 and reflects the continued exploration of the Abo pay and the deeper-and older Paleozoic formations.

In the Northwest area, the total footage drilled decreased from 3,324,667 in 1959 to 3,270,018 in 1960. Average well depth in McKinley County decreased from 4112 feet in 1959 to 1893 feet in 1960. Only one well exceeded the 1959 average depth in 1960, and 6 of the remaining 15 bottomed at depths of less than 1000 feet. Average well depths increased in Rio Arriba County from 4681 feet in 1959 to 5003 feet in 1960, in Sandoval County from 1900 feet in 1959 to 2950 feet in 1960, and in San Juan County from 3279 feet in 1959 to 5193 feet in 1960. The average well depth for all of the northwest area increased from 3654 feet in 1959 to 5031 feet in 1960, as drilling centered around the Dakota and Gallup pays at depths of 5000 to 6000 feet.

The total footage drilled in the nonproducing counties decreased in 1960 as the number of test wells drilled dropped from 25 in 1959 to 12 in 1960, so that the total of 87,967 feet in 1959 dropped to 42,555 feet in 1960. The average depth per well in the nonproducing counties showed a slight increase from 3519 feet in 1959 to 3546 feet in 1960.

SUBSURFACE COMPLETION DATA

These abbreviations are used in the following section:

BO	Barrels of oil
D & A	Dry and abandoned
DF	Derrick floor
F	Flowed
GR	Ground (level)
Inj.	Injection well
J & A	Junked and abandoned
KB	Kelly bushing
MCF	Thousand cubic feet
P	Pumped
P & A	Plugged and abandoned
PB	Plugged back
TA	Temporarily abandoned
swb	Swabbed

SUBSURFACE COMPLETION DATA

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<u>COMPANY</u> <u>LEASE</u>	<u>WELL</u> <u>UNIT</u>	<u>S.T.R.</u>	<u>COMP.</u> <u>DATE</u>	<u>INIT.</u> <u>PROD.</u> <u>TEST</u>	<u>ELEV.</u>	<u>TOTAL</u> <u>DEPTH</u>	<u>TOP</u> <u>PAY</u>	<u>PRODUCING</u> <u>FORMATION</u>
<u>CHAVES COUNTY</u>								
Mc Bee Oil Co. Federal	1 M	14-5S-26E	1-17-60	P & A	3949 DF	6606		
Angle, Clarence Faircloth, Everna "B"	2 I	32-7S-27E	1-28-60	F 7 BO	4030 DF	1980	1945	San Andres
Nichols, Dale Shields, Alma	2 L	33-7S-27E	9-16-60	P 3 BO	4023 DF	1979	1944	San Andres
Luse, W. P. & Ice, Chas. O. Frazer State	1 D	4-8S-27E	7-23-60	P & A	4008 DF	1984		
Steinberger Drlg. Co. Sinclair State	1 G	15-8S-27E	4-8-60	P & A	3900 GR	1100		
Superior State	1 P	34-8S-27E	3-13-60	P & A	3959 GR	1035		
Rutter, A. W. & Wilbanks, G. L. Amerada State	1 B	20-8S-32E	1-5-60	P 30 BO	4352 DF	4085	4032	San Andres
Steinberger Drlg. Co. Santa Fe Land Improv.	1 M	8-9S-25E	11-16-60	TA	3670 GR	888		
Reynolds, J. H. Federal	1 H	21-9S-25E	10-2-60	P & A		613		
Federal	2 H	21-9S-25E	11-5-60	P & A	3497 GR	1135		
Steinberger Drlg. Co. Honolulu State	1 A	4-9S-27E	7-14-60	P & A	3915 GR	943		
Santana Petroleum Corp. Sterrett State	1 P	36-9S-31E	12-22-60	P & A	4290 DF	2975		
Allen & Wagner Cannon	2 I	17-10S-25E	10-7-60	P 45 BO		851	792	San Andres
Peters Drlg. Co. Allen-Wagner & Cannon	1 P	17-10S-25E	7-4-60	F 48 BO	3515 DF	801	763	San Andres
Reynolds, J. H. Cannon "A"	1 L	17-10S-25E	10-13-60	P & A	3524 GR	939		
Turner, C. D. Childress	2 G	18-10S-25E	9-30-60	P 34 BO	3532 DF	775	682	San Andres
Peters Drlg. Co. Childress, etal	1 D	19-10S-25E	7-29-60	P & A	3542 GR	842		
Reynolds, J. H. Blackwell	1 N	20-10S-25E	10-4-60	P & A	3498 GR	936		
McAdams, J. F., etal Mohawk Federal	1 N	22-10S-25E	8-16-60	P & A		565		
Mohawk Federal "A"	1 O	22-10S-25E	9-20-60	F 38 BO	3496 DF	966	896	San Andres
Cannon, M. A.	1 K	27-10S-25E	5-7-60	P 40 BO	3488 GR	915	872	San Andres
Cannon, M. A.	2 J	27-10S-25E	9-21-60	P 36 BO	3508 DF	963	913	San Andres
DeKalb Federal	1 F	27-10S-25E	3-30-60	F 38 BO	3492 DF	906	880	San Andres
DeKalb Federal	2 C	27-10S-25E	9-20-60	P 38 BO	3484 GR	910	895	San Andres
Monroe Federal	1 H	33-10S-25E	5-27-60	P & A		887		
Lyman, W. B., Jr.	1 O	34-10S-25E	7-8-60	P & A	3485 GR	950		
DeKalb Agric. Assoc., Inc. DeKalb Federal "A"	1 M	18-10S-26E	5-18-60	P & A		1425		
Brown, J. W. State "E" 92	7 G	26-10S-26E	6-1-60	P 20 BO	3740	800	750	Queen
State "E" 92	9 C	26-10S-26E	6-1-60	P 20 BO	3752	800	750	Queen
Steinberger Drlg. Co. Superior State	1 A	7-10S-27E	3-4-60	P & A	3959 DF	1165		

COMPANY LEASE	WELL UNIT	S.T.R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
Huber Corp., J. N. Samedan State	1 K	28-10S-27E	1-22-60	P & A	3786 DF	1080		
Gulf State	1 N	30-10S-27E	6-3-60	P & A	3739 GR	925		
Voltz, M. R. Barbee, Kenneth V.	1 I	9-11S-25E	10-20-60	P 13 BO	3460 DF	930	890	San Andres
Westland Oil Development Corp. Wagner, J. F.	1 P	18-11S-25E	2-1-60	P & A	3530 DF	1362		
Allison, Fred M. Phillis State "A"	1 N	3-11S-27E	1-27-60	P & A	3670 DF	1047		
Brunner, Ross Honolulu State "B"	1 I	11-11S-27E	3-1-60	P 14 BO	3726 DF	1102	1002	Queen
Eide, Harold, Jr. DeKalb State	1 B	11-11S-27E	3-17-60	P 2 BO	3769 DF	1106	1033	Queen
Magnolia State	1 C	11-11S-27E	3-17-60	P 3 BO	3736 DF	1034	943	Queen
Robertson, C. T. Honolulu State "B"	2 O	11-11S-27E	6-5-60	P 3 BO	3729 DF	1100	989	Queen
Honolulu State "B"	3 J	11-11S-27E	6-5-60	P 3 BO	3730 DF	1093	992	Queen
Magnolia State "B"	1 C	11-11S-27E	4-5-60	5 BO		1042		Queen
Texaco, Inc. State "AM" NCT-3	3 L	11-11S-27E	4-21-60	P 6 BO	3706 DF	1050	940	Queen
Robertson, C. T. Honolulu State	3 E	14-11S-27E	4-15-60	P 22 BO	3738 DF	1100	967	Queen
Honolulu State	4 F	14-11S-27E	7-20-60	Inj.	3747 GR	1113		Queen
Honolulu State	5 D	14-11S-27E	4-15-60	P 23 BO	3731 DF	1085	969	Queen
Hanson, Ernest A. Levick State "C"	6 L	15-11S-27E	9-27-60	P 1 BO	3706 DF	934	849	Queen
Levick State "C"	100 M	15-11S-27E	9-27-60	Inj.		921		Queen
Levick State "C"	101 L	15-11S-27E	9-27-60	Inj.	3698	937		Queen
Levick State "C"	104 L	15-11S-27E	9-27-60	Inj.	3687	920		Queen
Levick State "D"	2 H	15-11S-27E	12-6-60	P 30 BO	3714 GR	1000	930	Queen
Levick State "D"	4 A	15-11S-27E	11-14-60	P 40 BO	3716 KB	1010	919	Queen
Hanson State "A"	100 I	16-11S-27E	9-27-60	Inj.	3702	910		Queen
DeKalb Agric. Assoc., Inc. DeKalb Federal	1 P	17-11S-27E	3-13-60	P 35 BO	3706 DF	876	786	Queen
Peters, M. G. Kelly Federal "B"	1 N	19-11S-27E	6-22-60	TA	3674 DF	752		
DeKalb Agric. Assoc., Inc. DeKalb Federal	1 A	20-11S-27E	3-1-60	P 43 BO	3701 DF	880	787	Queen
Hanson, Ernest A. Levick State "B"	3 H	21-11S-27E	3-24-60	P & A	3712 KB	949		
Spears, Wayne J. Levick State	1 M	26-11S-27E	2-14-60	P & A	3789 DF	2515		
Copelan, Herschel L., M. D. Pan American State	1 C	27-11S-27E	1-2-60	P 10 BO	3745 DF	1015	870	Queen
State	1 L	27-11S-27E	1-15-60	P 20 BO	3725 DF	1017	924	Queen
Spears, Wayne J. Spears State	4 H	28-11S-27E	4-10-60	P 7 BO	3728 DF	991	898	Queen
Peters, M. G. Hinkle Federal "B"	1 C	30-11S-27E	6-22-60	TA		787		
Robertson, C. T. White Ranch	1 C	7-11S-28E	6-14-60	TA	3716 DF	1114		
Nichols, Dale N. White Ranch	1 B	19-11S-28E	7-11-60	P & A	3716 GR	1144		

<u>COMPANY LEASE</u>	<u>WELL UNIT</u>	<u>S.T.R.</u>	<u>COMP. DATE</u>	<u>INIT. PROD. TEST</u>	<u>ELEV.</u>	<u>TOTAL DEPTH</u>	<u>TOP PAY</u>	<u>PRODUCING FORMATION</u>
Marshall, William S. White Ranch	3 L	30-11S-29E	5-8-60	P & A	3805 GR	1630		
Samedan Oil Corp. DeBorde	1 N	15-11S-31E	10-7-60	P & A	4481 DF	10955		
Varel, D. W. Rumble Federal	1 C	8-12S-27E	11-20-60	P & A	3681 GR	818		
Delforn Oil Co. State "Q"	1 P	35-12S-31E	3-9-60	Inj.	4414 DF	3043		
Steinberger Drlg. Co. Union Federal	1 M	5-13S-27E	2-20-60	P & A		792		
Sinclair Federal	1 M	9-13S-27E	2-15-60	P & A	3503 GR	814		
Intex Oil Co. Gulf State	1 A	11-13S-28E	1-4-60	P & A	3652 DF	8840		
Steinberger Drlg. Co. Gulf State	1 A	11-13S-28E	4-18-60	P & A	3645 GR	1248		
Great Western Drlg. Co. Pebble Qu. Unit Tr. 13	2 M	2-13S-31E	11-21-60	P 96 BO	4430 DF	3033	3020	Queen
T. P. Coal & Oil Co. State "AA"	1 N	2-13S-31E	1-13-60	P 50 BO	4423 DF	3058	3033	Queen
Harlan, John L. Williams	1 I	3-13S-31E	1-10-60	P 2 BO	4437 DF	3020	2997	Queen
Graridge Corp. Sunset State	1 D	11-13S-31E	3-31-60	P 26 BO	4429 DF	3041	3015	Queen
Great Western Drlg. Co. North Central Caprock Queen Unit Tract 13	15 O	13-13S-31E	11-22-60	P 56 BO		3077	3049	Queen
Etz, Henry S. Andrews, Rice	1 C	14-14S-25E	9-16-60	TA	3514 GR	1220		
Campbell, E. P. Allison	1 A	15-14S-25E	7-15-60	P & A	3575 GR	1175		
Copelan, Herschel L., M. D. Franklyn	2 O	35-14S-27E	1-18-60	P & A	3542 DF	2150		
Honolulu Oil Co. New Mexico Mullis Ut.	1 I	33-14S-29E	6-4-60	P & A		10475		
Dalport Oil Corp. State	1 M	36-14S-29E	2-19-60	P & A	3858 DF	2051		
Cities Service Oil Co. Federal "A"	1 M	14-14S-30E	1-24-60	P & A	3916 DF	2415		
Federal "B"	1 A	23-14S-30E	3-30-60	P & A	3953 DF	2488		
Copelan, Herschel L., M. D. Pan American	1 B	2-15S-27E	1-19-60	P & A	3539 DF	2250		
Texaco, Inc. Key Federal	1 K	17-15S-30E	8-2-60	P 16 BO	4033 DF	12158	11204	Devonian
Kinahan	1 O	20-15S-30E	8-19-60	P 1346 BO	4004 DF	11157	11049	Devonian
Leonard Oil Co. Hobbs Federal	4 E	24-15S-30E	1-23-60	P & A	4252 GR	2851		
O'Neill, J. I., Jr. Medlin, M. H. "A"	4 P	8-15S-31E	6-14-60	P & A		3162		

<u>COMPANY</u> <u>LEASE</u>	<u>WELL</u> <u>UNIT</u>	<u>S.T.R.</u>	<u>COMP.</u> <u>DATE</u>	<u>INIT.</u> <u>PROD.</u> <u>TEST</u>	<u>ELEV.</u>	<u>TOTAL</u> <u>DEPTH</u>	<u>TOP</u> <u>PAY</u>	<u>PRODUCING</u> <u>FORMATION</u>
<u>DE BACA COUNTY</u>								
Nearburg & Ingram								
Milton	1 E	28-18-25E	8-13-60	P & A	3990 GR	5589		
Murray	1 C	23-38-24E	6-8-60	P & A	4054 KB	5372		
<u>EDDY COUNTY</u>								
Kinney, Edward E. Pearson	1 C	2-16S-25E	9-22-60	P & A		8248		
Jones, J. E. Drlg. Co. Hitchcock Federal	1 F	23-16S-27E	5-17-60	P & A	3574 DF	9018		
Spears, Wayne J. Hanson Federal "A"	10 J	25-16S-27E	9-14-60	P & A		1612		
Hitchcock, E. S. Hitchcock	1 O	26-16S-27E	2-28-60	P & A	3462 GR	1562		
Hitchcock	2 O	26-16S-27E	9-4-60	P & A		408		
Continental Oil Co. Hitchcock 27	1 F	27-16S-27E	10-11-60	F 249 BO	3459 GR	3459	1392	Grayburg
Hitchcock 27	2 D	27-16S-27E	11-2-60	58 MCF	3505 DF	1470	1405	Grayburg
Spears, Wayne J. Hanson Federal "A"	1 M	27-16S-27E	4-27-60	F 29 BO		1438	1325	Grayburg
Hanson Federal "A"	3 K	27-16S-27E	5-24-60	F 60 BO		1410	1380	Grayburg
Hanson Federal "A"	4 N	27-16S-27E	6-21-60	P & A	3433 KB	1379		
Hanson Federal "A"	6 J	27-16S-27E	8-25-60	F 42 BO		1442	1426	Grayburg
Hanson Federal "A"	7 B	27-16S-27E	8-2-60	P & A	3523 DF	1482		
Hanson Federal "A"	11 I	27-16S-27E	9-23-60	P & A		1488		
Hanson Federal "A"	12 L	27-16S-27E	12-4-60	P & A	3461 DF	1389		
Hanson Federal "A"	2 A	33-16S-27E	10-11-60	P & A		1362		
Hitchcock C	1 F	34-16S-27E	5-29-60	P & A		1399		
Humble	1 L	8-16S-28E	10-10-60	P & A	3889 KB	1824		
Beard Oil Co. Marion Federal	1 E	20-16S-28E	8-1-60	P & A	3597 DF	3382		
Kincaid & Watson Kincaid State	2 O	35-16S-28E	2-22-60	P & A	3580	1641		
Kemper State	1 E	36-16S-28E	9-10-60	P & A	3590 DF	1721		
Utex Exploration Co. State 36	3 N	36-16S-28E	1-17-60	F 60 BO	3605 DF	1700	1650	Queen
State	4 K	36-16S-28E	2-5-60	F 70 BO	3613 DF	1701	1653	Queen
Mayer, Len McGrady	1 Q	3-16S-29E	3-30-60	P & A	3746 DF	2642		
Gen. American Oil Co. of Texas Farmer	2 I	12-16S-29E	2-1-60	3796 MCF	3746 DF	2640	2566	San Andres
Bosworth	4 P	14-16S-29E	1-26-60	F 92 BO	3716 DF	2079	2050	Queen
Brewer	27 M	14-16S-29E	3-2-60	F 128 BO	3700 DF	2036	2002	Queen
Western Dev. Co. of Delaware McCallister Federal	4 P	15-16S-29E	5-6-60	F 660 BO	3703 DF	1999	1969	Queen
Morrison, R. R. Utex Federal	1 A	22-16S-29E	9-3-60	P & A	3686 DF	2566		
Kelly, John M. Simmons	3 P	24-16S-29E	11-28-60	P & A	3727 DF	2818		
Wright, J. Grady Federal	1 C	31-16S-29E	9-19-60	P & A	3677 GR	2489		
Southern Union Gas Co. Federal	1 U	1-16S-30E	4-30-60	P & A	3830 DF	3220		

<u>COMPANY LEASE</u>	<u>WELL UNIT</u>	<u>S.T.R.</u>	<u>COMP. DATE</u>	<u>INIT. PROD. TEST</u>	<u>ELEV.</u>	<u>TOTAL DEPTH</u>	<u>TOP PAY</u>	<u>PRODUCING FORMATION</u>
Humble Oil & Refining Co. State "B"	3 V	2-16S-30E	6-21-60	P & A		3020		
Darcy Corporation Lillie	1 K	10-16S-30E	9-12-60	F 806 MCF	3833 DF	3030	2667	Grayburg
Gen. American Oil Co. of Texas Stablein	7 A	10-16S-30E	4-6-60	P 44 BO	3864 DF	2952	2898	Grayburg
Trigg, John H. Federal P	8 D	10-16S-30E	9-28-60	TA	3864 DF	2913		Grayburg
Shell Oil Co. Nix Federal "B"	1 D	11-16S-30E	8-4-60	P & A	3888 DF	3023		
Welch, J. M. Etz (Dual)	3 I	13-16S-30E	5-27-60 5-12-60	F 150 BO F 1875 MCF	3908 DF	3253	3235 2682	San Andres Queen
Leonard Oil Co. Hagerty Federal	10 G	18-16S-30E	1-18-60	F 20 BO	3755 DF	2692	2687	Grayburg
Hagerty Federal	11 J	18-16S-30E	3-1-60	F 120 BO	3759 DF	2753	2715	Grayburg
Hagerty Federal	12 B	18-16S-30E	5-1-60	F 60 BO	3763 DF	2705	2674	Grayburg
Shell Oil Co. Henshaw Deep Unit	1 C	24-16S-30E	7-28-60 12-2-60	F 77 BO F 171 BO	3834 DF	13072 PB 8845	11680 8822	Devonian Pennsylvanian
Bourg Drlg. Co., Oscar State	1 U	2-16S-31E	4-18-60	F 75 BO	4421 DF	4100	3964	Grayburg
State	2 V	2-16S-31E	6-24-60	P & A		4018		
Continental Oil Co. State "Y" 3	1 X	3-16S-31E	12-28-60	F 140 BO	4317 DF	3864	3832	Grayburg
Standard Oil Co. of Texas Federal 15-4	2 X	4-16S-31E	7-27-60	F 93 BO	4178 DF	3690	3614	Grayburg
Trigg, John H. Federal "PV"	1 Q	5-16S-31E	7-27-60	F 49 BO	4095	3483	3441	Grayburg
Standard Oil Co. of Texas Federal 14-9	1 A	9-16S-31E	4-8-60	P 101 BO	4154 DF	3700	3608	Grayburg
Federal 14-9	2 H	9-16S-31E	9-7-60	P 70 BO	4153 DF	3715	3602	Grayburg
Federal 15-10	3 E	10-16S-31E	9-15-60	F 90 BO	4176 DF	3750	3645	Grayburg
Beal, Trobaugh & Assoc. Doolin	1 N	12-16S-31E	2-10-60	F 42 BO	3879 DF	3750	3164	Grayburg
BTA Oil Producers Federal	3 M	22-16S-31E	8-20-60	F 38 BO		3788	3608	Grayburg
Federal	1 E	27-16S-31E	4-27-60	F 63 BO	4054 DF	3745	3714	San Andres
Federal	2 G	27-16S-31E	9-10-60	F 36 BO		3862	3550	Grayburg
Kennedy	2 A	28-16S-31E	8-3-60	F 112 BO	4044 DF	3737	3548	San Andres
Kennedy	3 J	28-16S-31E	9-16-60	F 67 BO		3701	3444	Grayburg
Bearl, Trobaugh & Assoc. Doolin	1 N	32-16S-31E	2-10-60	F 42 BO	3879 DF	3750		Grayburg
Doolin	2 L	32-16S-31E	5-5-60	P 14 BO	3875 GR	3294	3214	Grayburg
BTA Oil Producers Kennedy	1 H	34-16S-31E	7-28-60	F 35 BO	4046 DF	3848	3589	San Andres
Aztec Oil & Gas Co. State "RC"	4 O	36-16S-31E	1-18-60	P 43 BO	4083 DF	3997	3753	Grayburg
Jones Drlg. Co., J. E. Federal	1 A	17-17S-23E	5-16-60	P & A		500		
Burk Royalty Co. Keinath	1 E	1-17S-25E	1-7-60	P & A	3501 KB	1411		
Lowe, C. K. FAF Federal	1 E	9-17S-25E	5-17-60	P & A	3576 DF	1994		

COMPANY LEASE	WELL UNIT	S.T.R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
Thompson, M. S. Morris Estate	1 L	14-17S-25E	1-6-60	P 3 BO	3505 DF	1577	1301	San Andres
Franklin, Aston & Fair Sheldon Federal	1 A	17-17S-25E	2-18-60	P & A	3598 DF	1545		
Yates, John A. Shallowberger Federal	1 G	20-17S-25E	3-28-60	P & A	3604 DF	1815		
Wills, Neal H. Gissler-Jackson	1 J	22-17S-25E	6-7-60	P & A	3527	1522		
Collier, R. D. Gulf Kepple	2 G	19-17S-27E	2-21-60	P 25 BO	3329 DF	1788	1749	San Andres
Graridge Corp. Evarts Federal	2 L	33-17S-27E	7-1-60	P 40 BO		2051	2000	San Andres
Pan American Pet. Corp. Harbold	1 O	34-17S-27E	11-23-60	F 54 BO	3625 DF	5697	3075	Paddock
Trigg, John H. USA	1 P	34-17S-27E	3-16-60	F 120 BO	3622 DF	5640	5592	Abo
Carper Sivley Empire Abo	Joint Acct.							
Magruder	13 P	35-17S-27E	4-8-60	F 75 BO	3653 DF	5840	5760	Abo
Magruder	14 M	35-17S-27E	5-23-60	F 1841 BO	3626 DF	5702	5556	Abo
Russell "A"	9 N	35-17S-27E	5-11-60	F 600 BO		5630	5504	Abo
Russell "A"	10 O	35-17S-27E	6-3-60	F 600 BO	3612 DF	5680	5550	Abo
Hondo Oil & Gas Co. State "EB"	1 M	36-17S-27E	2-23-60	F 1008 BO	3652 DF	5795	5650	Abo
Kersey & Co. Ramapo	4 P	36-17S-27E	5-27-60	F 360 BO		6013	5831	Abo
Yates, Martin III Dooley State Abo	1 N	36-17S-27E	2-8-60	F 222 BO	3643 DF	5925	5725	Abo
McCoy & Stevens Atlantic State	1 E	1-17S-28E	9-8-60	F 90 BO	3605 DF	2263	1618	Queen
Atlantic State	2 F	1-17S-28E	11-17-60	F 50 BO	3604 DF	1686	1648	Queen
Silverthorne, R. Q. Leonard	1 M	1-17S-28E	12-6-60	P & A	3591 DF	1673		
Leonard	2 L	1-17S-28E	12-9-60	P & A	3591	1666		
Kincaid & Watson Resler & Sheldon St.	3 B	2-17S-28E	2-15-60	P 70 BO	3574 DF	1604	1554	Queen
Delhi Taylor St. "A"	1 F	2-17S-28E	9-11-60	P & A	3607 DF	1635		
Kemper State "A"	1 O	2-17S-28E	11-1-60	P & A	3697 DF	1657		
Harris, L. C. Read State	1 H	11-17S-28E	11-14-60	F 55 BO	3584 GR	1645	1590	Queen
Silverthorne, R. Q. Sunray Mid-Cont. St.	1 A	11-17S-28E	8-28-60	F 60 BO	3580 DF	2161	1578	Queen
Sunray Mid-Cont. St.	2 I	11-17S-28E	10-5-60	F 50 BO	3588 DF	1650	1599	Queen
Superior State	1 D	12-17S-28E	10-27-60	F 50 BO	3610 GR	1681	1630	Queen
Kincaid & Watson Federal	1 J	15-17S-28E	3-30-60	F 100 BO	3554 DF	2025	1981	Grayburg
Federal	2 O	15-17S-28E	5-8-60	P & A	3573 DF	2193		
Chambers & Kennedy Gulf State	1 P	22-17S-28E	4-15-60	F 1400 MCF	3616 DF	1996	1910	Grayburg
Hondo, Western, Yates State "A"	20 M	25-17S-28E	7-6-60	F 600 BO	3665 DF	6493	6242	Abo
State "A"	23 K	25-17S-28E	7-24-60	F 576 BO	3674 DF	6375	6224	Abo
State "A"	27 G	25-17S-28E	8-13-60	TA	3689 DF	7950		
State "A"	28 L	25-17S-28E	8-11-60	F 672 BO	3670 DF	6316	6196	Abo
State "A"	29 N	25-17S-28E	8-20-60	F 672 BO	3691 DF	6392	6300	Abo
State "A"	32 J	25-17S-28E	9-5-60	F 288 BO	3695 DF	6378	6286	Abo
State "A"	34 O	25-17S-28E	9-19-60	P & A	3689 DF	6404		

COMPANY LEASE	WELL UNIT	S.T.R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
Hondo-Western-Yates								
State "A"	34 O	25-17S-28E	10-7-60	F 192 BO	3677 DF	6382	6295	Abo
State "A"	37 I	25-17S-28E	10-22-60	F 330 BO	3684 DF	6385	6282	Abo
State "A"	16 M	26-17S-28E	6-3-60	F 456 BO	3684 GR	6220	6080	Abo
State "A"	18 N	26-17S-28E	6-18-60	F 672 BO		6435	6158	Abo
State "A"	19 O	26-17S-28E	7-1-60	F 648 BO		6332	6208	Abo
State "A"	21 K	26-17S-28E	7-8-60	F 240 BO	3676 GR	6310	6198	Abo
State "A"	24 J	26-17S-28E	7-22-60	F 288 BO	3675 DF	6326	6152	Abo
State "A"	25 P	26-17S-28E	7-25-60	F 504 BO	3675 DF	6330	6199	Abo
State "A"	26 I	26-17S-28E	8-5-60	F 432 BO	3668 DF	6317	6188	Abo
State "A"	31 L	26-17S-28E	8-27-60	F 288 BO	3662 DF	6280	6070	Abo
State "A"	36 H	26-17S-28E	10-8-60	72 BO	3674 DF	6390	6217	Abo
Western-Yates								
State 647	164 M	26-17S-28E	12-15-60	F 560 BO	3679	2154	2110	Grayburg
Castle & Wigzell								
Phillips State, N.G.	3 P	27-17S-28E	10-3-60	F 36 BO	3667	2133		Grayburg
Chambers & Kennedy								
Abo	1 N	27-17S-28E	5-2-60	F 110 BO	3678 DF	6270	6112	Abo
Pan American Petr. Corp.								
State "BW"	1 M	27-17S-28E	6-20-60	F 68 BO		6189	6106	Abo
State "BZ"	1 P	27-17S-28E	7-18-60	F 60 BO	3678	6271	6180	Abo
State "BZ"	2 I	27-17S-28E	8-27-60	P 71 BO	3671 KB	6262	6040	Abo
Samedan Oil Corp.								
Walker State	1 O	27-17S-28E	7-7-60	F 201 BO	3682 DF	6240	6114	Abo
Delhi-Taylor Oil Corp.								
State	14 P	28-17S-28E	9-3-60	P 25 BO	3689 DF	6866	5908	Abo
Franklin, Aston & Fair								
State "F"	1 F	31-17S-28E	6-14-60	F 62 BO	3661 DF	5971	5706	Abo
Hondo-Western-Yates								
State "A"	5 P	31-17S-28E	3-13-60	F 1110 BO	3703 DF	6122	6026	Abo
State "A"	9 I	31-17S-28E	4-30-60	F 648 BO	3699 DF	6106	6024	Abo
Pan American Petr. Corp.								
State "BD"	1 N	31-17S-28E	1-26-60	F 131 BO	3680 DF	6050	5950	Abo
State "BE"	1 M	31-17S-28E	2-3-60	F 109 BO	3678 DF	6006	5846	Abo
State "BE"	2 L	31-17S-28E	5-2-60	F 104 BO	3683 DF	5971	5810	Abo
State "BJ"	1 O	31-17S-28E	2-24-60	F 109 BO	3695 DF	6094	6023	Abo
State "BJ"	2 J	31-17S-28E	3-18-60	F 216 BO	3697 DF	6094	5834	Abo
State "BM"	1 K	31-17S-28E	4-13-60	F 96 BO	3685 DF	6046	5902	Abo
State "CC"	1 G	31-17S-28E	12-1-60	TA	3698 DF	6975		
Hondo-Western-Yates								
State "A"	3 N	32-17S-28E	2-15-60	F 1280 BO	3674 KB	6172	5972	Abo
State "A"	4 M	32-17S-28E	3-6-60	F 489 BO	3688 DF	6171	6020	Abo
State "A"	7 K	32-17S-28E	3-29-60	F 480 BO	3680 DF	6083	5966	Abo
State "A"	8 L	32-17S-28E	4-14-60	F 696 BO	3686 DF	6125	5996	Abo
State "A"	33 H	32-17S-28E	9-10-60	F 384 BO	3690 DF	6175	6072	Abo
State "A"	35 G	32-17S-28E	9-29-60	F 504 BO	3699 DF	6108	5980	Abo
State "A"	38 H	32-17S-28E	12-2-60	69 BO	3700 DF	6100	5914	Abo
Pan American Petr. Corp.								
State "BG"	1 O	32-17S-28E	1-27-60	F 86 BO	3672 DF	6215	6010	Abo
State "BO"	1 P	32-17S-28E	6-7-60	F 73 BO	3678 DF	6319	6234	Abo
State "BO"	2 I	32-17S-28E	6-8-60	F 81 BO	3654 DF	6250	6012	Abo
State "BP"	1 J	32-17S-28E	6-21-60	F 84 BO	3678	6165	6036	Abo
State "BV"	1 E	32-17S-28E	9-26-60	F 69 BO	3693 DF	6013	5830	Abo
Sinclair Oil & Gas Co.								
State Eddy 32	2 F	32-17S-28E	8-26-60	F 245 BO	3698 DF	6171	5844	Abo
Castle, John B. & Wigzell, H. Brace								
Delhi State	1 D	33-17S-28E	4-2-60	F 96 BO	3685 DF	6084	5890	Abo
Sinclair Oil & Gas Co.								
Yates, M. "B" ARC	1 M	33-17S-28E	3-8-60	F 132 BO	3675 DF	6250	6250	Abo
Yates, M. "B" ARC	2 K	33-17S-28E	4-27-60	F 123 BO	3677 DF	6254	6121	Abo

COMPANY LEASE	WELL UNIT	S. T. R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
Sinclair Oil & Gas Co.								
Yates, M. "B" ARC	3 E	33-17S-28E	5-13-60	F 131 BO	3684 DF	6150	6038	Abo
Yates, M. "B" ARC	4 L	33-17S-28E	5-21-60	F 180 BO	3667 GR	6200	6122	Abo
Yates, M. "B" ARC	5 F	33-17S-28E	5-30-60	F 186 BO		6155	6046	Abo
Yates, M. "B" ARC	6 N	33-17S-28E	6-16-60	F 216 BO	3677 DF	6355	6233	Abo
Yates, M. "B" ARC	7 J	33-17S-28E	6-6-60	F 192 BO		6336	6230	Abo
Yates, M. "B" ARC	8 G	33-17S-28E	6-13-60	F 149 BO	3677 DF	6175	6107	Abo
Yates, M. "B" ARC	9 I	33-17S-28E	7-8-60	F 199 BO	3669 DF	6366	6144	Abo
Yates, M. "B" ARC	10 H	33-17S-28E	7-1-60	F 219 BO		6280	6152	Abo
Yates, M. "B" ARC	11 A	33-17S-28E	7-5-60	F 216 BO		6170	6053	Abo
Yates, M. "B" ARC	12 P	33-17S-28E	7-16-60	F 247 BO	3670 DF	6345	6154	Abo
Yates, M. "B" ARC	13 C	33-17S-28E	7-24-60	F 242 BO	3678 DF	5930	5840	Abo
Yates, M. "B" ARC	14 B	33-17S-28E	8-6-60	F 156 BO	3679 DF	6350	5936	Abo
Yates, M. "B" ARC	15 O	33-17S-28E	7-27-60	F 192 BO	3668 DF	6338	6233	Abo
Chambers & Kennedy								
Delhi-Taylor State	2 O	34-17S-28E	4-3-60	F 456 BO	3676 DF	6299	6290	Abo
Hondo-Western-Yates								
State "A"	10 J	34-17S-28E	4-16-60	F 288 BO	3672 DF	6380	6218	Abo
State "A"	11 I	34-17S-28E	5-2-60	F 768 BO	3675 KB	6459	6196	Abo
Pan American Pet. Corp.								
State of N. M. "BQ"	1 K	34-17S-28E	5-7-60	F 264 BO	3673 DF	6491	6280	Abo
State of N. M. "BQ"	2 L	34-17S-28E	5-20-60	F 83 BO	3672 DF	6340	6246	Abo
State of N. M. "BQ"	3 M	34-17S-28E	6-10-60	F 71 BO	3667 DF	6337	6236	Abo
State of N. M. "BQ"	4 N	34-17S-28E	7-2-60	F 77 BO		6332	6244	Abo
State of N. M. "BS"	1 F	34-17S-28E	7-5-60	F 83 BO	3675 KB	6257	6055	Abo
State of N. M. "BT"	1 G	34-17S-28E	6-30-60	F 73 BO	3675	6336	6228	Abo
State of N. M. "BT"	2 B	34-17S-28E	8-2-60	F 77 BO	3684 DF	6256	6158	Abo
State of N. M. "BT"	3 C	34-17S-28E	7-2-60	F 78 BO		6247	6107	Abo
State of N. M. "BU"	1 E	34-17S-28E	6-6-60	F 89 BO		6307	6184	Abo
State of N. M. "EX"	1 H	34-17S-28E	7-17-60	F 82 BO	3677 DF	6339	6275	Abo
State of N. M. "BY"	1 A	34-17S-28E	7-18-60	F 66 BO	3683 DF	6345	6258	Abo
Sinclair Oil & Gas Co.								
Eddy State 32	1 D	34-17S-28E	8-14-60	F 258 BO	3688 DF	6205	6094	Abo
Castle & Wigzel								
Welch State	1 D	35-17S-28E	12-20-60	F 56 BO	3678 DF	2166	2130	San Andres
Chambers & Kennedy								
Sinclair State	1 M	35-17S-28E	11-16-60	.TA	3681 DF	6406		
Hondo-Western-Yates								
State "A"	12 F	35-17S-28E	5-15-60	F 840 BO	3691 KB	6404	6246	Abo
State "A"	13 L	35-17S-28E	6-25-60	F 384 BO		6351	6226	Abo
State "A"	14 B	35-17S-28E	6-1-60	F 864 BO	3678 GR	6350	6210	Abo
State "A"	15 C	35-17S-28E	6-11-60	F 384 BO		6349	6242	Abo
State "A"	17 A	35-17S-28E	6-19-60	F 240 BO		6405	6297	Abo
State "A"	22 G	35-17S-28E	7-13-60	F 696 BO	3685 GR	6350	6200	Abo
Sunray Mid-Continent								
State "v"	1 E	35-17S-28E	8-3-60	F 496 BO	3687 DF	6350	6266	Abo
State "v"	2 D	35-17S-28E	8-16-60	F 880 BO	3688 DF	6350	6283	Abo
Randel, O. H.								
Root Federal	6 G	1-17S-29E	4-8-60	F 50 BO	3677 DF	2725	2698	Grayburg
Root Federal	3 L	12-17S-29E	3-21-60	TA	3645 DF	2582		
Gen. American Oil Co. of Texas								
Grayburg Deep Ut.	5 A	25-17S-29E	7-26-60	TA	3618 DF	7225		
Sinclair Oil & Gas Co.								
Robinson "B" ARC	32 K	27-17S-29E	7-29-60	P & A	3536 DF	6390		
Gulf Oil Corp.								
Eddy State "DF"	1 L	28-17S-29E	12-9-60	TA	3570 GR	6273		
Ashmun & Hilliard								
Leonard State	1 P	29-17S-29E	9-12-60	P & A	3577	6267		

COMPANY LEASE	WELL UNIT	S.T.R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
Boyd, Tom East	2 J	33-17S-29E	1-9-60	P 40 BO	3545 DF	3198	2746	Grayburg
T. P. Coal & Oil Co. USA Woolley	1 M	21-17S-30E	8-22-60	P 1590 BO	3646	6945	6750	Abo
Sinclair Oil & Gas Co. McIntyre "D"	10 J	21-17S-30E	9-27-60	P & A	3649 DF	6995		
T. P. Coal & Oil Co. USA Woolley "B"	1 P	22-17S-30E	11-27-60	P & A	3660 DF	7260		
USA Woolley "C"	1 A	29-17S-30E	11-24-60	P & A	3638 DF	7000		
Gen. American Oil Co. Grayburg Deep Ut.	4 L	30-17S-30E	5-20-60	TA		7953		
Fren Oil Co. Friess	15 A	1-17S-31E	4-28-60	1584 MCF	4071 DF	3964	3096	Queen
Stoltz, Dean H. Hondo Federal	1 E	1-17S-31E	10-22-60	F 46 BO	4022 DF	3861	3609	Grayburg
Humble Oil & Rfg. Co. State "BG"	1 I	2-17S-31E	11-15-60	P 8 BO	4003 DF	4856	3652	Grayburg
Mid-Century Oil & Gas Co. Tidewater State	1 M	2-17S-31E	10-8-60	P 82 BO	3972 DF	3761	3500	Grayburg
Tidewater State	2 L	2-17S-31E	11-23-60	F 197 BO	3981 DF	3775	3482	Grayburg
Sinclair Oil & Gas Co. West "B"	24 A	10-17S-31E	1-30-60	P 38 BO	3945 DF	3604	3396	Grayburg
Skelly Oil Co. Lea "C"	3 D	11-17S-31E	5-19-60	P 36 BO	3956 DF	3740	3430	Grayburg
Hudson, Wm. A. & Ed. R. Puckett "A"	17 N	13-17S-31E	4-21-60	F 38 BO	3921 DF	3973	3547	San Andres
Puckett "A"	18 P	13-17S-31E	4-27-60	F 122 BO	3936 DF	4016	3564	San Andres
Skelly Oil Co. Dow "A"	6 F	15-17S-31E	10-1-60	F 43 BO	3881	3670	3285	Grayburg
Kersey & Co. Shell	1 A	16-17S-31E	12-1-60	F 20 BO	3876 DF	3778	3288	Grayburg
Sinclair Oil & Gas Co. Turner "B"	65 N	20-17S-31E	5-19-60	F 288 BO	3687 DF	7497	7120	Abo
Turner "B" SP (Dual)	67 L	20-17S-31E	7-24-60	F 192 BO	3637 DF	7223	7048	Abo
			9-1-60	F 192 BO			2740	Grayburg
Turner "B" SP	70 M	20-17S-31E	9-9-60	F 356 BO	3627 GR	7200	7042	Abo
Turner "B" SP	72 O	20-17S-31E	11-17-60	P 48 BO	3718 DF	7233	7152	Abo
Skelly Oil Co. Lea "B"	7 N	23-17S-31E	4-9-60	F 481 BO	3862 DF	3798	3634	Grayburg
Lea "B"	9 O	23-17S-31E	5-29-60	F 257 BO		3801	3758	Grayburg
Lea "B"	10 P	23-17S-31E	7-13-60	F 219 BO	3875 DF	3849	3784	Grayburg
Hudson, Wm. A. & Ed. R. Puckett "A"	19 G	24-17S-31E	10-1-60	F 146 BO	3915 DF	4000	3465	San Andres
Puckett "A"	20 F	24-17S-31E	11-7-60	F 480 BO	3893 DF	3963	3650	San Andres
Puckett "B"	12 J	25-17S-31E	3-31-60	F 437 BO	3877 DF	4100	3842	San Andres
Puckett "B"	13 O	25-17S-31E	8-16-60	F 878 BO	3853 DF	3992	3712	San Andres
Puckett "B"	14 D	25-17S-31E	5-18-60	P 129 BO	3864 DF	4000	3542	San Andres
Puckett "B"	15 E	25-17S-31E	7-9-60	F 408 BO	3850 DF	3090	3517	Grayburg
Puckett "B"	16 F	25-17S-31E	8-2-60	F 181 BO	3866 DF	8010	3776	San Andres
Puckett "B"	17 K	25-17S-31E	7-5-60	F 1064 BO	3861 DF	4004	3910	San Andres
Puckett "B"	18 L	25-17S-31E	8-15-60	F 691 BO	3859 DF	3934	3440	San Andres
Puckett "B"	19 K	25-17S-31E	11-8-60	TA	3879 DF	7535		
Skelly Oil Co. Lea "B"	8 D	26-17S-31E	5-12-60	F 371 BO	3840 DF	3779	3700	Grayburg

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Lea "D"	1 B	26-17S-31E	8-24-60	F 240 BO	3849 DF	3873	3830	Grayburg
Lea "D"	2 A	26-17S-31E	8-31-60	F 325 BO	3855 DF	3930	3584	Grayburg
Lea "D"	3 H	26-17S-31E	10-15-60	F 408 BO	3845 DF	4000	3744	Grayburg
Lea "D"	4 G	26-17S-31E	9-29-60	F 510 BO	3848 DF	3860	3737	Grayburg
Lea "D"	5 I	26-17S-31E	10-30-60	F 423 BO	3844 DF	3951	3811	Grayburg
Lynch	5 A	27-17S-31E	7-12-60	F 153 BO	3839 DF	3800	3708	Grayburg
Lynch "B"	6 F	27-17S-31E	9-21-60	P 35 BO	3823 DF	7990	3770	Grayburg
Lynch "B"	7 G	27-17S-31E	9-29-60	P 58 BO	3824 DF	3945	3812	Grayburg
Dow "B"	34 G	28-17S-31E	2-1-60	P 80 BO	3800 DF	3767	3662	Grayburg
Dow "B"	35 H	28-17S-31E	3-17-60	P 11 BO	3803 DF	3783	3691	Grayburg
Dow "B"	36 K	28-17S-31E	4-23-60	P 50 BO	3774 DF	3780	3688	Grayburg
Sinclair Oil & Gas Co.								
Turner "B"	58 E	29-17S-31E	2-24-60	TA	3662 DF	13714		
Turner "B" SP	66 N	29-17S-31E	7-3-60	F 228 BO	3750		3522	Grayburg
Turner "B" SP	68 P	29-17S-31E	9-3-60	TA	3750 DF	3718		
Turner "B" SP	69 B	29-17S-31E	9-12-60	F 364 BO	3689 GR	7230	7108	Abo
Turner "B" SP	71 M	29-17S-31E	10-24-60	F 294 BO	3695 DF	3672	3462	Grayburg
Turner "B" SP	73 C	29-17S-31E	10-26-60	F 312 BO	3671 DF	7185	7084	Abo
Turner "B" SP	74 A	29-17S-31E	12-4-60	F 93 BO	3744 DF	7250	7182	Abo
McClellan, Jack L. Gulf Premier	1 A	31-17S-31E	10-3-60	P 36 BO	3669 DF	3599	3178	Grayburg
Ashmun & Hilliard Simon State	1 H	32-17S-31E	6-20-60	P & A	3734 DF	3815		
Socony Mobil Oil Co., Inc. State "U"	1 B	32 17S 31E	1-12-60	F 240 BO	3727 DF	3810	3467	Grayburg
Western Oil Fields, Inc. Federal "A"	1 H	34-17S-31E	5-31-60	P & A	3808 DF	8440		
National Drlg. Co., Inc. Leavitt	9 E	13-18S-26E	3-28-60	F 95 BO	3309 DF	1770	1710	San Andres
Leavitt	8 H	14-18S-26E	3-14-60	F 100 BO	3314 DF	1770	1682	San Andres
Standard Oil Co. of Texas Everest, J. H.	2-1 J	14-18S-26E	2-6-60	P & A	3322 DF	9198		
Ohio Oil Co. Noel, Ethel V.	1 P	20-18S-26E	10-4-60	8400 MCF	3439 DF	9157	8992	Pennsylvanian
Olson, Howard Dev. Co. Dayton Town Site	1 G	21-18S-26E	12-1-60	F 163 MMCF	3379 DF	9135	8978	Pennsylvanian
Pan American Pet. Corp. Martin, C. R.	3 D	23-18S-26E	5-17-60	3720 MCF	3343 DF	9350	9094	Pennsylvanian
Nearburg & Ingram Hawkins	2 C	27-18S-26E	1-12-60	7600 MCF	3337 DF	9333	9150	Pennsylvanian
Ohio Oil Co. Arnquist, Andrew Est.	1 F	29-18S-26E	5-12-60	545 MMCF	3445 DF	9178	9060	Pennsylvanian
Carper Drlg. Co. Carper Hudson "B"	1 E	3-18S-27E	9-12-60	F 255 BO	3577 DF	5665	5562	Abo
Humble Oil & Rfg. Co. Abo Chalk Bluff Dr.Ut.	5 N	4-18-27E	4-15-60	F 145 BO	3573 DF	5635	5560	Abo
Pan American Pet. Corp. USA Malco Rfg. "L"	1 H	4-18-27E	4-26-60	F 75 BO	3573 DF	5637	5470	Abo
Humble Oil & Rfg. Co.								
Abo Chalk Bluff Dr.Ut.	17 P	8-18S-27E	11-7-60	F 135 BO	3492 DF	5591	5346	Abo
Abo Chalk Bluff Dr.Ut.	1 K	9-18S-27E	2-3-60	F 129 BO	3532 DF	5717	5600	Abo
Abo Chalk Bluff Dr.Ut.	2 F	9-18S-27E	2-28-60	F 183 BO	3561 DF	5703	5586	Abo
Abo Chalk Bluff Dr.Ut.	3 N	9-18S-27E	3-17-60	F 187 BO	3508 DF	5790	5650	Abo
Abo Chalk Bluff Dr.Ut.	4 C	9-18S-27E	3-21-60	F 157 BO	3558 DF	5670	5546	Abo
Abo Chalk Bluff Dr.Ut.	7 M	9-18S-27E	5-15-60	F 120 BO	3524 DF	5768	5630	Abo
Abo Chalk Bluff Dr.Ut.	8 E	9-18S-27E	5-7-60	F 175 BO	3540 DF	5666	5548	Abo
Abo Chalk Bluff Dr.Ut.	10 L	9-18S-27E	6-9-60	F 231 BO	3526 DF	5700	5569	Abo

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Pan American Pet. Corp.								
Malco Rfg. "D"	4 H	10-18S-27E	1-2-60	F 250 BO	3548 DF	6143	6043	Abo
Malco Rfg. "D"	5 G	10-18S-27E	3-3-60	F 83 BO	3484 DF	6172	5972	Abo
Malco Rfg. "G"	12 M	10-18S-27E	10-13-60	P 70 BO	3472 DF	5958	5749	Abo
Malco Rfg. "N"	1 D	15-18S-27E	7-26-60	P 44 BO	3445 DF	9855	5960	Abo
Humble Oil & Rfg. Co.								
Abo Ch. Bluff Dr. Ut.	6 C	16-18S-27E	4-19-60	F 587 BO	3495 DF	5681	5568	Abo
Abo Ch. Bluff Dr. Ut.	9 D	16-18S-27E	6-24-60	F 205 BO	3494	5700	5590	Abo
Abo Ch. Bluff Dr. Ut.	13 E	16-18S-27E	9-13-60	F 467 BO	3474 DF	5708	5555	Abo
Abo Ch. Bluff Dr. Ut.	14 F	16-18S-27E	7-23-60	F 249 BO	3498 DF	5700	5582	Abo
Abo Ch. Bluff Dr. Ut.	15 K	16-18S-27E	11-10-60	F 41 BO	3466 DF	5963	5350	Abo
Abo Ch. Bluff Dr. Ut.	16 L	16-18S-27E	11-8-60	F 84 BO	3458 DF	5797	5338	Abo
Abo Ch. Bluff Dr. Ut.	18 M	16-18S-27E	12-27-60	P & A	3447 DF	6150		
State "BF"	1 B	16-18S-27E	5-29-60	F 397 BO		5825	5740	Abo
State "BF"	2 G	16-18S-27E	9-4-60	F 94 BO	3482	5840	5742	Abo
Pan American Pet. Corp.								
State "BR"	1 A	16-18S-27E	5-1-60	F 138 BO	3464 DF	6018	5875	Abo
Humble Oil & Rfg. Co.								
Abo Ch. Bluff Dr. Ut.	12 A	17-18S-27E	9-11-60	P & A	3433 DF	5694		
British American Oil Prod. Co.								
Pluma Unit	1 N	19-18S-27E	1-14-60	P & A	3293 DF	6015		
Humble Oil & Rfg. Co.								
Seeckel, Kathleen	1 B	19-18S-27E	11-19-60	P & A	3302 DF	9784		
Stevens, Donald G.								
Hondo	1 H	21-18S-27E	6-7-60	P & A	3377 DF	1715		
Gulf Oil Corp.								
Gulf etal Eddy State	CI 1 K	21-18S-27E	9-29-60	TA	3571 DF	11208		
Simms & Reese Oil Co.								
Western Development	1 J	26-18S-27E	12-19-60	P 25 BO	3531 DF	1945	1904	Grayburg
Trigg, John H.								
Federal "B"	2 D	28-18S-27E	2-29-60	P 18 BO	3409 DF	1625	1618	Grayburg
Federal "B"	3 E	28-18S-27E	8-6-60	P & A	3418 KB	1666		
Gorman	1 L	28-18S-27E	6-3-60	P 5 BO	3391	1680	1657	Grayburg
Resler	1 K	28-18S-27E	5-28-60	P & A		1778		
Hondo Oil & Gas Co.								
Federal "T"	1 A	29-18S-27E	5-7-60	F 45 BO	3370 DF	1585	1562	Grayburg
Federal "T"	2 H	29-18S-27E	5-18-60	F 54 BO	3390 DF	1636	1573	Grayburg
Federal "T"	3 I	29-18S-27E	5-23-60	F 44 BO		1613	1580	Grayburg
Hudson, Wm. & Mildred Crane								
Federal "G"	1 G	29-18S-27E	8-5-60	P 41 BO	3378 DF	1570	1546	Grayburg
Federal "G"	2 B	29-18S-27E	8-6-60	P 81 BO	3358 DF	1566	1505	Grayburg
Trigg, John H.								
Nearburg Federal	1 A	32-18S-27E	6-3-60	TA		225		
Nearburg Federal	2 B	32-18S-27E	7-9-60	P & A	3358	1625		
Dunigan, James P.								
State	1 D	3-18S-28E	7-19-60	P & A	3664 DF	6405		
Graridge Corp.								
Levers State	13 O	4-18S-28E	4-4-60	P 54 BO	3657 GR	2495	2288	Grayburg
Humble Oil & Rfg. Co.								
State "BE"	1 C	4-18S-28E	8-13-60	F 195 BO	3671 DF	6300	6200	Abo
Pan American Pet. Corp.								
State "BL"	1 B	4-18S-28E	3-22-60	P & A	3669 DF	6334		
Carper Drlg. Co., Inc.								
Carper Ohio "EA"	1 G	5-18S-28E	11-12-60	F 600 BO	3649 GR	6351	6143	Abo
Carper Ohio "EA"	2 H	5-18S-28E	12-16-60	F 600 BO	3664 DF	6351	6242	Abo

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Pan American Pet. Corp.								
State "BH"	1 A	5-18S-28E	2-21-60	F 97 BO	3673 DF	6290	6230	Abo
State "BH"	2 B	5-18S-28E	4-3-60	F 87 BO	3678 DF	6261	6140	Abo
State "BK"	1 C	5-18S-28E	7-21-60	F 96 BO	3672 KB	6256	6060	Abo
State "BN"	1 D	5-18S-28E	3-30-60	F 192 BO	3680 DF	6273	6122	Abo
Signal Oil & Gas Co.								
State	1 E	5-18S-28E	5-15-60	F 358 BO	3668 DF	6265	6165	Abo
Chambers & Kennedy								
Sunray Mid-Continent	1 N	6-18S-28E	8-16-60	F 384 BO	3635 KB	6243	6130	Abo
Hondo-Western-Yates								
State "A"	1 G	6-18S-28E	1-27-60	F 186 BO	3681 DF	6242	6131	Abo
State "A"	2 A	6-18S-28E	3-2-60	F 1008 BO	3691 DF	6241	6103	Abo
State "A"	6 H	6-18S-28E	3-29-60	F 288 BO	3670 DF	6253	6088	Abo
State "A"	30 I	6-18S-28E	8-26-60	F 72 BO	3652 DF	6330	6298	Abo
Hondo Oil & Gas Co.								
State "EA"	1 D	6-18S-28E	1-1-60	F 150 BO	3664 DF	6115	6050	Abo
Pan American Pet. Corp.								
State "BB"	3 C	6-18S-28E	1-1-60	F 108 BO	3666 DF	6033	5968	Abo
State "BB"	4 L	6-18S-28E	1-26-60	F 94 BO	3642 DF	6194	6130	Abo
State "BB"	5 K	6-18S-28E	2-25-60	F 121 BO	3658 DF	6210	6090	Abo
Signal Oil & Gas Co.								
State	2 M	6-18S-28E	10-26-60	F 156 BO	3640 DF	6225	6171	Abo
Sunray Mid-Cont. Oil Co.								
State "T"	1 J	6-18S-28E	5-2-60	F 478 BO	3666 DF	6197	6158	Abo
Welch, V. S.								
Welch Western	2 I	9-18S-28E	1-21-60	P 30 BO	3634 DF	2700	2627	San Andres
Roach, C. E. Drlg. Co.								
Leonard	1 D	17-18S-28E	7-15-60	P 35 BO	3611 DF	2451	2115	Grayburg
Williams, Ruth L.								
Martin State	2-X O	17-18S-28E	12-10-60	P 50 BO		2450	2400	Grayburg
Graridge Corp.								
McNutt State	13 K	21-18S-28E	11-6-60	Inj.		2090		
Resler-Yates State	303 P	21-18S-28E	2-13-60	Inj.		2212		
Allen, Toomey	16 I	28-18S-28E	8-13-60	Inj.				
Resler-Yates State	383 G	28-18S-28E	1-27-60	P 30 BO	3552 DF	2110	2052	Grayburg
Kersey & Co.								
Twin Lakes	10 L	28-18S-28E	9-10-60	P 35 BO	3552 DF	2068	2020	Grayburg
Twin Lakes	11 K	28-18S-28E	9-10-60	P 35 BO	3528 DF	2074	2010	Grayburg
Graridge Corp.								
Resler Yates State	341 N	29-18S-28E	2-22-60	Inj.		2010		
Resler Yates State	349 N	29-18S-28E	2-18-60	Inj.		2040		
Newmont Oil Co.								
Ballard "B"	6 G	1-18S-29E	8-1-60	Inj.	3533 DF	2790		
Roach, C. E. Drlg. Co.								
Western Dev. Miller	1 F	4-18S-29E	8-26-60	P & A	3542 DF	2850		
Kersey & Co. & E. A. Hanson								
Denton	1 P	21-18S-29E	7-1-60	F 40 BO	3468 GR	2362	2002	Queen
McClellan, Jack L.								
Continental	1 N	21-18S-29E	2-18-60	P & A	3490 DF	3292		
Cone, Gordon M.								
Federal	1 M	22-18S-29E	12-26-60	F 35 BO	3454 DF	2062	2003	Queen
Roach, C. E. Drlg. Co.								
Western Dev.	1 N	23-18S-29E	5-20-60	P & A		3252		

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Nix, Ralph & Curtis, Jerry Ohio Lee	1 F	24-18S-29E	1-14-60	P & A	3447	3436		
Kersey & Co. Denton "A"	1 D	27-18S-29E	10-1-60	P 35 BO	3449 DF	2054	1995	Queen
Kersey & Co. & Ernest A. Hanson Federal "YD"	1 C	28-18S-29E	2-3-60	F 20 BO	3470 DF	3229	1983	Queen
Federal "YD"	2 F	28-18S-29E	11-30-60	F 50 BO	3436 DF	2026	1983	Queen
Trigg, John H. Alscott, Sivley	1 I	31-18S-29E	3-4-60	P & A	3415 DF	2880		
Yates, Harvey E. Ralph Nix Federal	1 E	34-18S-29E	6-24-60	P & A	3438 DF	2108		
Franklin, Aston & Fair Yates Federal "B"	1 P	12-18S-30E	8-8-60	F 25 BO	3545 DF	3864	3634	Grayburg
Hondo Oil & Gas Co. State "RD"	5 G	36-18S-30E	4-16-60	F 86 BO	3559 DF	4053	3124	Queen
State "RD"	6 N	36-18S-30E	6-22-60	F 96 BO	3525	3150	3106	Queen
State "RD"	7 M	36-18S-30E	8-18-60	F 62 BO	3518 DF	3160	3110	Queen
State "RD"	8 K	36-18S-30E	10-12-60	F 240 BO	3546 DF	3140	3102	Queen
Westwater Corp. State 36	1 H	36-18S-30E	6-17-60	P 28 BO	3548 DF	3410	3114	Queen
Haskins, Paul E. Edwards	2 G	9-18S-31E	4-30-60	P 25 BO	3708 DF	4010	3893	Grayburg
Edwards	3 I	9-18S-31E	9-4-60	P 36 BO	3712 DF	4010	3958	Grayburg
Payton	1 K	9-18S-31E	12-30-60	P 35 BO	3690 DF	4000	3874	Grayburg
Voltz, M. R. Magnolia State	2 O	16-18S-31E	2-6-60	P & A	3655 DF	5114		
Westwater Corp. State	1 B	16-18S-31E	5-30-60	P & A		4016		
Garrett, H. Oil Co. Kenwood	1 F	18-18S-31E	10-14-60	P & A	3647 DF	3884		
Chambers & Kennedy Gulf Federal	1 O	20-18S-31E	8-30-60	P 76 BO	3632 DF	3741	3451	Grayburg
Travis, J. J. Kenwood	1 E	21-18S-31E	11-24-60	F 56 BO	3640 DF	3710	3210	Queen
Continental Oil Co. Greenwood Unit	6 J	26-18S-31E	1-14-60	F 630 MCF	3679 DF	12052	11220	Pennsylvanian
Iverson & Welch Shugart "A"	1 M	29-18S-31E	4-1-60	P 25 BO	3575 DF	3748	3594	Queen
Shugart "A"	2 N	29-18S-31E	6-11-60	P 150 BO	3581 DF	3724	3616	Queen
Shugart "A"	3 O	29-18S-31E	8-20-60	80 BO	3600 DF	3763	2620	Yates
Shugart "A"	4 K	29-18S-31E	9-1-60	F 180 BO	3597 DF	3734	2538	Yates
Shugart "A"	5 L	29-18S-31E	11-1-60	100 BO	3586 DF	3762	2540	Yates
Shugart "C"	1 P	30-18S-31E	10-22-60	P 90 BO	3586 DF	3689	3611	Queen
Shugart "C"	2 O	30-18S-31E	12-30-60	60 BO	3578 GR	3675	3594	Queen
Donnelly Drlg. Co. Kenwood	1 N	31-18S-31E	6-20-60	P & A	3526 DF	3655		
Pure Oil Co. Federal "B"	2 C	31-18S-31E	12-3-60	P 25 BO	3552 DF	3650	3591	Queen
Federal "F"	1 A	31-18S-31E	4-12-60	P 65 BO	3574 DF	3699	3628	Queen
Federal "F"	2 B	31-18S-31E	8-8-60	P 66 BO	3561 DF	3656	3187	Queen
Chambers & Kennedy Monterey State (Dual)	3 C	32-18S-31E	12-31-60 4-9-60	F 36 BO P 39 BO		3676	2620 3626	Yates Grayburg

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Chambers & Kennedy Monterey State	4 F	32-18S-31E	10-5-60	P 76 BO	3567 DF	3681	2622	Yates
Westwater Corp. State 32 (Dual)	1 B	32-18S-31E	12-8-60 9-29-60	P 95 BO F 100 BO	3583 DF	3670	3477 2622	Queen Yates
Iverson & Welch Shugart "B"	1 O	33-18S-31E	4-17-60	P 150 BO	3599 DF	3420	2738	Yates
Shugart "B"	2 K	33-18S-31E	5-20-60	P & A	3604 KB	4500		
Shugart "B"	3 N	33-18S-31E	6-17-60	P 90 BO	3594	3815	3554	Grayburg
Shugart "B"	4 P	33-18S-31E	6-25-60	P & A	3604	2805		
Keohane, Saunder, Welch & Iverson Hinkle "B"	7-X O	35-18S-31E	7-13-60	P 24 BO	3635 DF	4093	4083	Grayburg
Pan American Pet. Corp. Land, C. A. & Cattle Co.	1 D	2-19S-25E	6-24-60	P & A	3480	5818		
USA Yates Federal	1 I	3-19S-25E	5-19-60	F 168 BO	3499 DF	6100	5740	Wolfcamp
Yates Pet. Corp. & Hondo, etal Thomas	1 H	8-19S-25E	11-9-60	P & A	3552 DF	5750		
Sunray Mid-Continent Federal "O"	1 L	9-19S-27E	2-31-60	P & A	3364 DF	2430		
Western Dev. Oil CO. of Del. State E-4202	1 B	25-19S-27E	8-9-60	P & A	3482 DF	2654		
Jones & Haile Nix State	1 N	32-19S-27E	7-27-60	P & A	3385 GR	850		
Tex. N. M. Dev. Co. State	22 F	2-19S-28E	11-30-60	P & A	3449 DF	2978		
Sunray Mid-Continent State "U"	1 B	9-19S-28E	6-21-60	P 85 BO	3538	2402	2044	Grayburg
Western-Yates State 648, Tr. 15	160 K	11-19S-28E	3-5-60	F 350 BO	3452 DF	2245	2038	Grayburg
Gulf Oil Corp. Eddy State "AN"	4 L	13-19S-28E	1-15-60	F 119 BO	3399 DF	2250	1734	Queen
Hill, John H. Eddy State	1 J	13-19S-28E	3-1-60	P 37 BO	3376 DF	2240	1773	Queen
Yates, John A. Elliott Parcell	5 A	13-19S-28E	5-9-60	F 15 BO	3322 DF	2240	1740	Queen
Western-Yates State 648, Tr. 15	159 D	14-19S-28E	3-3-60	F 400 BO	3447 DF	2265	1808	Queen
State 648, Tr. 15	161 I	14-19S-28E	3-12-60	F 400 BO	3397 DF	2285	1718	Queen
Western State	1 J	14-19S-28E	9-22-60	F 162 BO		2317	1738	Queen
State 648, Tr. 15	157 H	15-19S-28E	1-16-60	F 150 BO	3476 DF	2295	1820	Queen
State 648, Tr. 15	163 N	15-19S-28E	11-16-60	F 60 BO	3420 DF	1825	1782	Queen
Gulf Oil Corp. Eddy St. "AV" NCT-A	1 G	21-19S-28E	8-31-60	P & A	3433 DF	1900		
Western-Yates State 648, Tr. 15	158 G	22-19S-28E	2-10-60	F 178 BO	3400 DF	2597	1878	Grayburg
State 648, Tr. 15	162 H	22-19S-28E	8-27-60	F 200 BO	3404 DF	2294	1740	Queen
Malco State	3 E	23-19S-28E	11-12-60	F 152 BO	3416 DF	2620	2138	Grayburg
Ashman & Hilliard Leonard State	1 M	1-19S-29E	6-26-60	J & A		5170		
Leonard State	1-A M	1-19S-29E	9-6-60	P & A	3389 DF	12666		
Sunray Mid-Continent State "W"	1 F	17-19S-29E	11-28-60	P & A	3368 DF	2706		

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Tejas Pet. Co. Sinclair State "A"	1 E	18-19S-29E	2-13-60	123 BO	3382 DF	2581	1848	Queen
Sunray Mid-Continent State "Q"	1 D	32-19S-29E	3-24-60	700 MCF	3322 DF	12429	10886	Pennsylvanian
Linehan & Stoltenberg Getty	1 L	35-19S-29E	6-3-60	P & A	3315 DF	1605		
Hale, Elwyn C. & Mable E. Federal	1 G	1-19S-30E	1-15-60	F 48 BO	3507 DF	3330	3082	Queen
Federal	2 B	1-19S-30E	1-1-60	F 42 BO	3512 DF	3320	3080	Queen
Westwater Corp. State	1 I	2-19S-30E	5-9-60	P & A	3527 DF	3485		
Culbertson, Erwin & So. Cali. Pet. Corp. Federal	1 E	13-19S-30E	12-26-60	P 70 BO	3379 DF	2216	2100	Yates
Southwestern, Inc. Southern Calif.	1 H	14-19S-30E	6-11-60	P 47 BO		2136	2098	Yates
Spears, Wayne J. Kelly	1 N	20-19S-30E	11-27-60	P 30 BO	3337 DF	1787	1674	Yates
Strake, G. W. Union	1 P	23-19S-30E	12-31-60	P 76 BO	3235 DF	3706	1742	Yates
Mask, Jennings, Keohane & Westall State	3 F	2-19S-31E	10-7-60	240 BO	3630 DF	4500	4094	Seven Rivers
Texaco, Seaboard, Inc. Hanson Federal	2 J	3-19S-31E	3-25-60	P 70 BO	3607 DF	3900	3377	Queen
Carper Drlg. Co. Welch	2 G	4-19S-31E	4-1-60	P 141 BO	3587 DF	3608	3336	Queen
Welch	3 F	4-19S-31E	6-28-60	P 60 BO	3582	3380	3299	Queen
Welch	4 C	4-19S-31E	10-3-60	P 87 BO	3587 DF	3385	3314	Queen
Cherry Bros. Featherstone Federal	2 K	4-19S-31E	3-26-60	P & A	3579	3372		
Featherstone Federal	3 H	5-19S-31E	3-16-60	P & A	3587 DF	3793		
Salsich, Neil E. Pan American Fed.	1 D	5-19S-31E	4-21-60	F 5 BO	3558 DF	3525	2704	Yates
Featherstone, Olen F. Federal "B"	1 D	6-19S-31E	3-13-60	P 45 BO	3519 DF	3151	3118	Queen
O'Neill, Joseph I. Federal "G"	1 L	6-19S-31E	1-14-60	P 22 BO	3501 DF	3362	3102	Queen
Sun Oil Co. English	2 C	20-19S-31E	6-4-60	TA		2238		
English	3 J	20-19S-31E	2-9-60	P 43 BO	3472 DF	2225	2140	Yates
Texas Crude Oil Co. Tennessee Federal	1 I	21-19S-31E	2-2-60	P & A	3528 DF	5010		
Mayer, Len Barbara	1 K	29-19S-31E	7-27-60	F 43 BO	3485 GR	2218	2198	Yates
Barbara	2 L	29-19S-31E	11-19-60	P 43 BO	3487 GR	2355	2187	Yates
Southwestern, Inc. Cem Oil Federal	1 B	29-19S-31E	1-28-60	P 45 BO	3491 DF	2177	2167	Yates
Cem Oil Federal	2 A	29-19S-31E	8-22-60	P 45 BO	3492 DF	2187	2158	Yates
Haskins, Paul E. Southern Federal	1 A	30-19S-31E	5-24-60	P 45 BO	3428 GR	2329	2034	Yates
Southern Federal	2 G	30-19S-31E	9-4-60	P 38 BO	3415 DF	2207	2004	Yates
Southern Federal	3 I	30-19S-31E	12-10-60	P 45 BO	3464 DF	2280	2270	Yates

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Monsanto Chemical Co. Standard "MA"	1 D	21-20S-24E	6-16-60	P & A	3793 DF	5883		
Lowe, Ralph Moutray Brothers	1 O	5-20S-26E	11-27-60	P & A	3270 DF	3810		
Yates, Harvey E. Yates	8 M	5-20S-27E	1-13-60	TA	3376 DF	987		
Antweil, Morris R. Keystone	1 L	18-20S-27E	1-5-60	P & A	3306 DF	735		
Campbell, E. P. Wright Federal	1 L	5-20S-28E	10-10-60	P & A	3324 DF	1170		
Kersey & Donohue Southern Union	1 N	11-20S-28E	7-1-60	P & A		914		
Texaco, Inc. Fed. USA "B" NCT-1	1 O	14-20S-28E	1-21-60	F 87 MCF	3247 DF	828	775	Yates
Kersey & Co. Yates	1 M	8-20S-29E	2-2-60	P & A	3273 DF	1205		
Campbell, E. P. Lambie Federal	1 H	9-20S-29E	6-3-60	P & A	3992 GR	1530		
Nix, Ralph & Jerry Curtis Texaco	1 J	14-20S-29E	7-18-60	P & A	3300 GR	1381		
Stoltz, Dean H. Yates	2 E	19-20S-29E	11-20-60	P & A	3249 GR	1049		
Prichard, A. Oil Corp. Federal	1 K	7-20S-30E	4-25-60	P & A	3255 DF	1625		
Texas Crude Oil Co. Big Eddy Unit	1 N	2-20S-31E	8-21-60	P & A	3493 DF	7496		
Shell Oil Co. & Texas Cr. Big Eddy Unit	Oil Co. 2 O	30-20S-31E	6-8-60	P & A	3571	2265		
Pan American Pet. Corp. Federal	1 C	22-21S-22E	1-6-60	P & A	4325 DF	5579		
Texaco, Inc. Trigg Federal	1 V	3-21S-27E	6-9-60	P & A	3210 GR	705		
Bennett, J. Glen Gulf State	1 E	17-21S-27E	5-14-60	P & A	3212 DF	3300		
Sinclair Oil & Gas Co. Eddy Federal 195	1 A	32-22S-21E	11-2-60	P & A	5352 GR	4000		
Morrison, Richard R. Gulf State	1 M	36-22S-28E	10-6-60	P & A	3080	2893		
Gulf Oil Corp. N. Cavern Unit	1 L	11-23S-24E	5-8-60	P & A	4009 DF	11515		
Brown, Tom Drlg. Co. Guitar Trust Est.	1 P	1-23S-27E	5-3-60	P & A	3059 KB	2484		
Bennett, J. Glen Braden Pardue	1 O 1 M	12-23S-27E 12-23S-27E	12-23-60 3-16-60	P & A P 30 BO	3075 DF 3090 DF	2441 2387	2349	Delaware
Kahn, Harry D. Neal Marks Federal	1 K	9-23S-28E	7-5-60	P & A	3055 DF	2660		
Texaco, Inc. Remuda Basin Unit	1 J	24-23S-29E	12-19-60	F 72 BO	3053 DF	15141	11111	Wolfcamp

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Humble Oil & Rfg. Co.								
Huapache Oil Ut. 1	4 M	14-24S-22E	5-18-60	P & A	5502 DF	7950		
Huapache Oil Ut.	5 G	14-24S-22E	10-9-60	P & A	5352 DF	3505		
Gulf Oil Corp.								
Estill "AD"	2 G	20-24S-26E	11-30-60	TA	3396 DF	11420		
Estill "AD"	1 A	29-24S-26E	4-8-60	46857 MCF	3411 DF	12212	9806	Pennsylvanian
Wills, Neil H.								
Superior	1 P	8-25S-29E	1-6-60	P & A	2923 DF	2968		
Ritchie, Chambers & Kennedy								
Hopp Federal	1 M	4-25S-30E	6-10-60	P & A	3279 DF	3960		
Lowe, Ralph								
Poker Lake State	1 M	8-25S-30E	5-26-60	F 72 BO	3198 DF	3692	3672	Delaware
Poker Lake State	3 L	8-25S-30E	12-12-60	P & A		3701		
Poker Lake Superior	1 K	8-25S-30E	7-21-60	F 1788 MCF	3210 DF	3750	3698	Delaware
T & P State	1 D	8-25S-30E	10-18-60	P & A	3197 DF	3709		
R & B Federal A	1 D	17-25S-30E	6-1-60	P & A		662		
R & B Federal A	1-X D	17-25S-30E	6-23-60	P 50 BO		3708	3668	Delaware
Bass, Perry R.								
Jennings	1 B	18-25S-30E	5-24-60	P & A		3672		
Lowe, Ralph								
R & B Federal	1 A	18-25S-30E	3-29-60	F 68 BO	3190 DF	3666	3643	Delaware
Chapman, Ford								
Marshall	1 H	35-25S-30E	5-5-60	P & A	3297 DF	4015		
Superior Oil Co.								
Government 134	1 H	12-26S-24E	10-12-60	F 347 MCF	3878 DF	10237	7452	Atoka
Ritchie, J. M. C.								
Welch Unit	9 P	17-26S-27E	9-22-60	P & A	3271 DF	2230		
Welch Unit	10 G	20-26S-27E	10-26-60	P & A	3301 DF	2227		
Reaves, Jack S.								
Cuccia State	1 E	36-26S-28E	11-8-60	P & A		2766		
Brown, Tom Drlg. Co.								
State	1 A	2-26S-29E	6-21-60	P & A	3041 GR	3348		
Hankamer, Curtis								
Hanson Federal	1 M	12-26S-29E	10-5-60	3330 MCF	3019 DF	3282	3209	Delaware
Schram Federal	1 O	12-26S-29E	12-2-60	P 15 BO	3040 DF	3319	3314	Delaware
Gulf "A"	1 E	13-26S-29E	5-6-60	F 37 BO	2982 DF	3186	3183	Delaware
Gulf Beaty	2 B	24-26S-29E	11-13-60	P & A	3000 DF	3221		
Pool, Fred Drlg. Co.								
Federal "TP"	1 A	29-26S-30E	12-2-60	P & A	2983 DF	3407		
Buckless, George E., Co.								
Federal	1 M	9-26S-31E	2-6-60	P & A	3230 DF	4160		
Federal	1 M	15-26S-31E	5-16-60	P & A	3190 DF	4155		
<u>HARDING COUNTY</u>								
Edward, J. E.								
Dr. W. A. Maddox	1 L	6-18N-25E	11-11-60	P & A	5827 DF	1987		
Belcher, Mae, Trustee								
Cambrel, Lula	1 N	24-20N-26E	5-11-60	TA		1500		

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<u>LEA COUNTY</u>								
GMK Oil Co. Lowe State	1P	1-9S-32E	9-6-60	P & A	4404 GR	11310		
Gackle Drlg. Co. Yates Federal	1 A	19-9S-32E	8-23-60	P & A	4447 DF	3085		
Sun Oil Co. McNulty, M. J.	1 N	3-9S-34E	4-6-60	F 208 BO	4259 DF	9633	9604	Wolfcamp
Schmidt, Meta	1 J	3-9S-34E	8-30-60	P 30 BO	4267 DF	9785	9626	Wolfcamp
Watson, Elizabeth	1 J	9-9S-34E	8-2-60	TA	4277 DF	9740		
Harris, Roger Federal	1 B	20-9S-35E	2-28-60	P 100 BO	4175 DF	4887	4800	San Andres
Chase Petroleum Cox Federal	1 D	1-9S-36E	11-21-60	F 243 BO	4051 DF	9719	9644	Pennsylvanian
Cone, Gordon M. Anderson Federal	1 J	1-9S-36E	10-2-60	F 229 BO	4037 GR	9717	9656	Pennsylvanian
Nearburg & Ingram Lackey Federal	1 B	1-9S-36E	7-27-60	F 528 BO		9700	9623	Pennsylvanian
Whitehall Oil Co., Inc. Federal	1 L	14-9S-36E	1-13-60	F 213 BO	4056 DF	9810	9697	Pennsylvanian
Lovejoy, O. K.	2 F	14-9S-36E	1-20-60	P 40 BO	4058 DF	9858	9698	Pennsylvanian
Socony Mobil, Inc. Magnolia Santa Fe	2-F L	20-9S-36E	7-12-60	P & A		12165		
Pure Oil Co. Federal "D"	2 J	31-9S-36E	8-2-60	F 635 BO	4075 DF	12050	12001	Devonian
Federal "G"	1 G	31-9S-36E	8-4-60	F 536 BO	4079 DF	12070	12017	Devonian
Socony Mobil Oil Co., Inc. Federal "A"	1 F	31-9S-36E	11-7-60	P & A	4080 DF	12118		
Monterey Oil Co. Lea State "H" (Pure-Monterey)	1 L	32-9S-36E	2-13-60	P & A	4065 DF	12111		
Texaco, Inc. Sawyer, U. D.	3 I	34-9S-36E	1-31-60	P 674 BO	4034 DF	12172	12164	Devonian
Sawyer, U. D.	4 P	34-9S-36E	9-1-60	P 100 BO	4031 DF	12400	11834	Mississippian
Cone, Gordon M. Gribble	1 L	6-9S-37E	10-19-60	TA	4050 DF	9731		
Socony Mobil Oil Co., Inc. Bilbrey, Wm. R.	1 D	6-9S-37E	4-18-60	F 205 BO	4051 DF	9677	9598	Pennsylvanian
Western Ser. Drlg. Co. of Longview. Gulf Federal	1 O	29-9S-38E	3-6-60	F 1709 MCF	3940 DF	5025	4946	San Andres
Gulf Federal	2 G	29-9S-38E	11-4-60	F 20 BO	3944 DF	5020	4908	San Andres
Alamo Corp. Ohio Federal	1 B	30-9S-38E	5-1-60	F 2828 MCF		5045	4897	San Andres
Western Ser. Drlg. Co. of Longview. McDermott Federal	1 F	30-9S-38E	7-29-60	3000 MCF	3962 DF	5010	4931	San Andres
Southwestern Hydrocarbon Co. Union Federal	2 P	31-9S-38E	2-22-60	F 1100 MCF	3941 DF	5009	4927	San Andres
Union Federal	3 H	31-9S-38E	6-28-60	1555 MCF		4977	4896	San Andres
Aztec Oil & Gas Co. State "S"	1 F	32-9S-38E	11-3-60	F 5200 MCF	3948 DF	5020	4914	San Andres
Sinclair Oil & Gas Co. State Lea 514	1 K	32-9S-38E	8-21-60	2763 MCF	3937 DF	5000	4916	San Andres

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Phillips Pet. Co. Sandgate	1 M	4-10S-32E	1-18-60	P & A	4370 DF	11624		
Cabeen Expl. Corp. State "K"	1 K	11-10S-32E	7-2-60	F 364 BO	4284 DF	10800	8354	Wolfcamp
Lowe, Ralph State Mescalero	1 F	27-10S-32E	9-17-60	F 245 BO	4340 DF	9807	9781	Devonian
State Mescalero "A"	1 C	27-10S-32E	12-20-60	P & A	4341 DF	9984		
Austral Oil Co., Inc. State	1 F	33-10S-32E	7-11-60	P 49 BO	4354 DF	11334	10178	Pennsylvanian
Roden, Bill Santa Fe Railroad	1 A	22-10S-36E	1-24-60	TA	4010 DF	12305		
So. Western Hydrocarbon Co. Sinclair Federal	1 D	4-10S-38E	2-15-60	P 46 BO	3917 DF	4991	4935	San Andres
Sinclair Federal	2 B	5-10S-38E	9-17-60	3500 MCF	3927 GR	5005	4932	San Andres
El Cinco Prod. Co., Ltd. Harris	1 I	8-10S-38E	2-22-60	P & A	3913 DF	5032		
Williamson Guye State	1 B	23-11S-33E	12-27-60	P & A	4250 DF	11210		
Cabot Carbon Co. State "H"	1 G	30-11S-35E	7-10-60	P & A	4160 DF	10549		
Rudman, M. B. Fife, Eleanor, etal	1 K	9-11S-37E	2-15-60	P & A	3967 DF	12722		
Continental Oil Co. East Gladiola Ut.	1 N	34-11S-38E	11-30-60	P 110 BO	3873 DF	12135	12081	Devonian
Bennett, Byard Gulf State "A"	1 I	22-12S-32E	4-14-60	P & A	4361	3040		
Graridge Corp. Livermore State "D"	3 J	30-12S-32E	11-25-60	P 2 BO	4392 DF	3074	3035	Queen
Bennett, Byard Gulf State "B"	1 A	19-12S-33E	6-28-60	P & A		3267		
Trice Prod. Co. Four Lakes State	1 C	11-12S-34E	2-23-60	P & A	4163 DF	12652		
Trainer, C. W. Lowe State	1 C	18-12S-34E	1-2-60	P & A		1324		
American Trd. & Prod. Co. State	1 P	22-12S-34E	1-20-60	P 193 BO	4163 DF	10410	10286	Pennsylvanian
Phillips Pet. Co. & T. P. Coal & Oil Co. W. Ranger Lake Ut.	12 N	26-12S-34E	3-24-60	F 380 BO	4157 DF	10350	10228	Pennsylvanian
Tennessee Gas Trans. Co. State	1 F	27-12S-34E	10-6-60	P & A	4171 DF	10403		
Texaco Seaboard, Inc. TSI State "M"	1 F	34-12S-34E	7-23-60	F 266 BO	4173 DF	10330	10270	Pennsylvanian
French, L. R., Jr. Lone Ranger	1 B	35-12S-34E	5-20-60	P & A	4149 DF	10425		
Moss, H. S. Peck, D. P.	3 L	26-12S-37E	2-23-60	F 273 BO	3894 DF	12227	12208	Devonian
Peck, D. P.	4 N	26-12S-37E	12-28-60	F 265 BO	3894 DF	12225	12203	Devonian
Pray, Max Craig, L.	1 K	27-12S-37E	6-21-60	F 432 BO	3966	12333	12304	Devonian
Craig, Rufus	1 F	27-12S-37E	12-5-60	P & A	3906 DF	12565		

COMPANY LEASE	WELL UNIT	S.T.R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
Skelly Oil Co. Foster, M. A.	2 I	27-12S-37E	10-22-60	P 87 BO	3989 DF	12441	9588	Wolfcamp
Helmerich & Payne, Inc. L & H	1 D	20-12S-38E	2-15-60	P & A	3880 DF	12018		
Whitehall Oil Co., Inc. Harris, H. H.	1 M	35-12S-38E	1-25-60	P 132 BO	3807 DF	9170	9077	Wolfcamp
Graridge Corp. Vickers Eight Morgan State	1 C 4 E	8-13S-32E 17-13S-32E	7-14-60 1-27-60	P 69 BO P 5 BO	4377 DF 4371 DF	3075 3069	3053 3053	Queen Queen
McGrath & Smith Tidewater State	1 J	18-13S-32E	4-12-60	P 64 BO	4382 DF	3073	3052	Queen
Humble Oil & Rfg. Co. State "BD"	1 N	34-13S-32E	5-3-60	P & A	4340 DF	12731		
Tri-Service Drlg. Co. Hyatt, Mary F.	1 B	10-13S-37E	1-24-60	P & A	3888 DF	12738		
Brown, James G. & Assoc. Lion State Lion State	1 J 2 P	9-14S-33E 9-14S-33E	5-2-60 9-30-60	P 261 BO F 238 BO	4243 DF 4238 KB	10100 10055	9954 9920	Pennsylvanian Pennsylvanian
Hurley, Harvey L. Atlantic State Ac. 4 Atlantic State Ac. 4	6 P 7 I	27-14S-33E 27-14S-33E	2-22-60 7-7-60	F 302 BO F 480 BO	4206 DF 4211 DF	10010 10010	9813 9804	Pennsylvanian Pennsylvanian
Amerada Pet. Corp. State SL	1 I	32-14S-33E	8-28-60	F 136 BO	4230 DF	10104	9886	Pennsylvanian
Cosden Pet. Corp. State "B"	2 K	33-14S-33E	1-16-60	F 685 BO	4224 DF	9980	9956	Pennsylvanian
Shell Oil Co. State SC	2 E	33-14S-33E	6-3-60	F 300 BO		10100	9861	Pennsylvanian
Union Oil Co. of Calif. State State "A" (Dual) State	1 E 1 M 2 C	33-15S-32E 33-15S-32E 33-15S-32E	7-16-60 11-5-60 12-28-60	F 1223BO F 200 BO F 293 BO F 297 BO	4325 DF 4316 DF 4317 DF	13502 13408 10055	9823 9852 13397 9890	Pennsylvanian Wolfcamp Devonian Wolfcamp
Texaco, Inc. Arreguy, M.	1 G	13-15S-34E	7-2-60	P & A	4073 DF	11700		
Roden, Bill Sinclair State	1 H	22-15S-35E	7-1-60	P & A	3985 GR	11222		
Columbian Carbon Crockett, D. H.	1 D	21-15S-36E	8-27-60	F 220 BO		13593	10586	Wolfcamp
Humble Oil & Rfg. Co. Caudill, W. E.	1 K	21-15S-36E	10-19-60	F 217 BO	3906 DF	13760	10628	Wolfcamp
Trice Prod. Co. Robinson, Sue Alva Lowe, Coy	1 C 1 C	23-15S-36E 28-15S-36E	1-27-60 4-1-60	P & A P & A	3885 DF 3907 DF	12025 10833		
Bourg, Oscar State "B"	1 T	3-16S-32E	6-11-60	P & A		4173		
Carper Drlg. Co. Taylor	3 N	30-16S-32E	4-27-60	P 25 BO	4131 DF	4032	3744	Grayburg
Williams, George H. Williams, George H.	2 H	30-16S-32E	8-17-60	P & A	4363 DF	4300		
Aztec Oil & Gas Co. Brinson "R" Brinson "R" Brinson "R"	1 F 2 G 3 B	31-16S-32E 31-16S-32E 31-16S-32E	1-4-60 2-1-60 5-9-60	F 55 BO P 38 BO P 21 BO	4114 DF 4129 DF 4155 DF	4018 4070 4085	3800 3861 3848	Grayburg Grayburg Grayburg

COMPANY LEASE	WELL UNIT	S.T.R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
McGrath & Smith								
Humble State "A"	2 O	31-16S-32E	1-1-60	F 74 BO	4083 DF	4015	3791	Grayburg
Humble State "A"	3 J	31-16S-32E	5-19-60	P 38 BO		4033	3805	Grayburg
Aztec Oil & Gas Co.								
Hudson State	1 L	32-16S-32E	6-6-60	TA		4125		
Blue Pacific Drlg. Co.								
Blue Pacific State	1 G	32-16S-32E	5-15-60	P & A	4234 DF	4253		
Kirklin Drlg. Co.								
Craft Thompson Lea St.	1 K	34-16S-32E	3-8-60	P & A	4305 DF	4364		
Pure Oil Co.								
State Lea "G"	3 O	7-16S-34E	1-21-60	P 50 BO	4159 DF	4000	3953	Queen
State Lea "G"	4 H	7-16S-34E	2-16-60	P 46 BO	4157 DF	3974	3925	Queen
State Lea "G"	5 G	7-16S-34E	4-29-60	P 21 BO	4160 DF	3970	3919	Queen
Sinclair Oil & Gas Co.								
Seaman Unit	6 K	7-16S-34E	8-25-60	F 39 BO	4152 GR	3970	3931	Queen
Seaman Unit	7 N	7-16S-34E	11-17-60	P 39 BO	4149 GR	3995	3952	Queen
Burk Royalty Co.								
Shell State "A"	1 N	8-16S-34E	11-11-60	P 67 BO	4141 DF	4022	3940	Queen
Shell State "A"	2 M	8-16S-34E	11-23-60	P 61 BO	4152 DF	4028	3956	Queen
Bourg, Oscar, Drlg. Co.								
State "C"	1 M	10-16S-34E	8-1-60	P & A	4114 DF	4705		
Humble Oil & Rfg. Co.								
State "BB"	2 G	22-16S-34E	7-7-60	P & A	4096 DF	10850		
Yates Drlg. Co.								
Mobil State	1 H	29-16S-36E	12-25-60	P & A	3927 DF	5214		
Standard Oil Co. of Texas								
State "B" 1527	1 L	15-16S-37E	9-9-60	P & A	3813 DF	13647		
Gulf Oil Corp.								
Cook, Austin	1 E	29-16S-38E	11-21-60	P 26 BO	3752 DF	9100	5089	San Andres
Bargsley, Mary Lou	1 F	30-16S-38E	9-13-60	P & A	3764 DF	5800		
Texaco, Inc.								
Byers, R. J.	1 D	29-16S-39E	11-4-60	P 44 BO	3681 DF	8382	6416	Glorieta
Fasken, David								
Rebcoe, Ora Lee	1 C	32-16S-39E	4-19-60	P & A	3688 KB	8680		
Phillips Pet. Co.								
Mexico "A"	3 N	1-17S-32E	8-2-60	F 130 BO	4217 DF	4462	4421	Grayburg
Mexico "A"	1 E	2-17S-32E	8-3-60	P 50 BO	4283 DF	4450	4087	Grayburg
Mexico "A"	2 I	2-17S-32E	6-29-60	P 66 BO		4425	4146	Grayburg
Santiago Oil & Gas Co.								
Jackson	1 A	3-17S-32E	5-25-60	F 47 BO		4405	4105	Grayburg
Boller & Nichols								
Iles Federal	12 K	4-17S-32E	9-13-60	F 96 BO	4140 GR	4189	3884	Grayburg
Iles Federal	13 J	4-17S-32E	9-25-60	F 93 BO	4169 DF	4209	3926	Grayburg
Iles Federal	14 I	4-17S-32E	12-22-60	F 115 BO	4171 GR	4100	3954	Grayburg
Iles Federal	15 L	4-17S-32E	11-17-60	F 104 BO	4136 DF	4010	3856	Grayburg
Iles Federal	16 N	4-17S-32E	12-1-60	F 120 BO	4133 DF	4030	3878	Grayburg
Iles Federal	17 M	4-17S-32E	12-3-60	F 110 BO	4117 DF	4015	3844	Grayburg
Jennings & White								
Frances Federal	1 O	4-17S-32E	12-28-60	F 187 BO	4148 DF	4036	3898	Grayburg
Santiago Oil & Gas Co.								
Atlantic Federal	2 H	4-17S-32E	3-15-60	F 43 BO	4223 DF	4410	4005	Grayburg
Atlantic Federal	3 G	4-17S-32E	4-27-60	F 46 BO	4193 DF	4240	3953	Grayburg
Atlantic Federal	4 B	4-17S-32E	5-31-60	P & A	4222 DF	4255		
Sinclair Taylor	1 F	4-17S-32E	5-4-60	F 43 BO	4168 DF	4195	3919	Grayburg
Sinclair Taylor	2 E	4-17S-32E	9-14-60	F 47 BO	4147 GR	4174	3881	Grayburg

COMPANY LEASE	WELL UNIT	S.T.R.	COMP. DATE	INIT. PROD. TEST	ELEV. ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
Continental Oil Co. Mitchell, Grace "B"	1 D	6-17S-32E	12-30-60	TA	4069 DF	4157		
Boller & Nichols Iles Maljamar	11 N	9-17S-32E	6-10-60	F 117 BO	4074 DF	4120	3748	Grayburg
Nichols, Leonard Taylor, A. C.	1 J	9-17S-32E	5-3-60	F 192 BO	4088 DF	4120	3820	Grayburg
Santiago Oil & Gas Co. Darlington State	1 K	12-17S-32E	3-20-60	F 47 BO	4205 DF	4427	4106	Grayburg
Darlington State	2 N	12-17S-32E	2-13-60	F 49 BO	4176 DF	4465	4101	Grayburg
Darlington State	7 M	12-17S-32E	2-22-60	F 45 BO	4162 DF	4400	4036	San Andres
Darlington State	8 L	12-17S-32E	3-7-60	F 49 BO	4210 DF	4363	4095	San Andres
Phillips Sprague	5 J	12-17S-32E	2-8-60	F 46 BO	4248 DF	4522	4217	San Andres
Phillips Sprague	6 I	12-17S-32E	1-20-60	F 47 BO	4247 DF	4520	4167	Grayburg
Texaco, Inc. State "O" NCT-3	20 H	12-17S-32E	2-21-60	F 192 BO	4250 DF	4450	4152	Grayburg
State "O" NCT-3	21 G	12-17S-32E	4-14-60	F 127 BO	4247 DF	4370	4146	Grayburg
State "O" NCT-3	22 F	12-17S-32E	5-27-60	F 62 BO		4350	4126	Grayburg
State "O" NCT-3	23 E	12-17S-32E	9-24-60	P 30 BO	4255 DF	4720	4116	Grayburg
Santiago Oil & Gas Co. Darlington State	3 C	13-17S-32E	1-18-60	F 47 BO	4150 DF	4450	4110	San Andres
Darlington State	6 D	13-17S-32E	1-29-60	F 51 BO	4134 DF	4403	4035	San Andres
Continental Oil Co. Miller B-X	1 P	14-17S-32E	7-14-60	F 286 BO	4083 DF	4416	4016	Grayburg
Miller BX Federal	2 I	14-17S-32E	8-4-60	F 144 BO	4087 DF	4450	4083	Grayburg
Miller BX Federal	3 H	14-17S-32E	9-12-60	F 121 BO	4100 DF	4381	3984	Grayburg
Miller BX Federal	4 A	14-17S-32E	11-12-60	P 19 BO	4121 DF	4425	3016	Grayburg
Texaco, Inc. Federal "C"	1 P	15-17S-32E	8-17-60	F 552 BO	4033 DF	4150	4048	San Andres
Federal "C"	2 I	15-17S-32E	10-22-60	F 164 BO	4046 DF	4150	4064	San Andres
Continental Oil Co. State "B"	8 A	16-17S-32E	11-27-60	F 23 BO	4101 DF	4089	3780	Grayburg
Mitchell "B"	40 I	18-17S-32E	12-30-60	TA	3990 DF	4196		
Mitchell "B"	41 K	19-17S-32E	2-20-60	TA	3943 DF	14246		
Mitchell "A"	20 C	20-17S-32E	9-20-60	F 100 BO	3986 DF	5349	5334	Paddock
Mitchell "A"	21 F	20-17S-32E	12-18-60	F 119 BO	4006 DF	5500	5366	Paddock
Baish, M.E. Fed. "B"	14 C	22-17S-32E	6-3-60	F 272 BO		13657	11434	Strawn
Baish, M.E. Fed. "B"	15 A	22-17S-32E	6-6-60	F 187 BO		4109	3997	San Andres
Miller "B"	7 A	23-17S-32E	6-27-60	F 122 BO	4086 DF	4400	4083	Grayburg
Dunigan, James P. Miller	1 N	26-17S-32E	5-4-60	P & A	3952 DF	8850		
Hudson, Wm. A. & Edward R. Johns	1 I	35-17S-32E	3-11-60	P & A	3947 DF	8854		
Carper Drilg. Co. State MA "E"	1 A	36-17S-32E	12-26-60	F 180 BO	4001 DF	8817	8434	Abo
Santiago Oil & Gas Co. Phillips Sprague	7 E	7-17S-33E	3-3-60	F 51 BO	4240 DF	4530	4246	Grayburg
Phillips Sprague	8 F	7-17S-33E	4-6-60	F 47 BO	4240 DF	4499	4183	Grayburg
Shell Oil Co. State "RF"	1 M	7-17S-33E	3-12-60	F 59 BO	4243 DF	4530	4139	Grayburg
Phillips Pet. Co. Leamex	8 B	23-17S-33E	2-23-60	P 461 BO	4138	11337	11222	Pennsylvanian
Philmex	7 D	29-17S-33E	10-28-60	P 52 BO	4106 DF	4560	3968	Grayburg
Philmex	8 C	29-17S-33E	11-17-60	P 60 BO	4111 DF	4565	4022	Grayburg
Carper Drilg. Co. Federal MA "C"	1 N	30-17S-33E	4-27-60	P & A	4036 DF	8950		
Fee MA "B"	1 G	31-17S-33E	3-31-60	P 42 BO	3996 DF	9020	4720	San Andres
Fee MA "B"	2 B	31-17S-33E	6-23-60	F 480 BO		8935	8654	Abo
Federal MA "D"	1 D	31-17S-33E	8-25-60	F 360 BO	4004 DF	8904	8642	Abo

<u>COMPANY</u> <u>LEASE</u>	<u>WELL</u> <u>UNIT</u>	<u>S.T.R.</u>	<u>COMP.</u> <u>DATE</u>	<u>INIT.</u> <u>PROD.</u> <u>TEST</u>	<u>ELEV.</u>	<u>TOTAL</u> <u>DEPTH</u>	<u>TOP</u> <u>PAY</u>	<u>PRODUCING</u> <u>FORMATION</u>
Dunigan, James P.								
Carper-Ohio State	1 H	32-17S-33E	11-24-60	F 512 BO	4060 DF	8825	8615	Abo
Denius	1 I	33-17S-33E	5-31-60	F 502 BO	4085 DF	8950	8710	Abo
Dennis	2 J	33-17S-33E	7-26-60	F 417 BO	4080 DF	9027	8724	Abo
Denius Federal	3 K	33-17S-33E	10-14-60	F 705 BO	4073 DF	9071	8690	Abo
Phillips Pet. Co.								
Williams Federal	1 H	33-17S-33E	8-22-60	F 247 BO	4126 DF	8860	8734	Abo
Williams Federal	2 G	33-17S-33E	12-4-60	F 295 BO	4099 DF	8828	8668	Abo
Denius, H. R.								
Cockburn Federal	9 L	34-17S-33E	5-2-60	P 21 BO	4085 DF	3854	3806	Abo
Dunigan, James P.								
Denius Federal	4 L	34-17S-33E	10-14-60	F 1080 BO	4086 DF	9118	8696	Abo
Denius Federal	5 K	34-17S-33E	11-26-60	F 786 BO	4079 DF	8877	8706	Abo
G-M-K Oil Co.								
Nix State	1 K	35-17S-33E	2-26-60	P & A	4134 DF	9500		
Phillips Pet. Co.								
Santa Fe	56 H	19-17S-35E	8-20-60	P 57 BO	3989	4880	4488	Grayburg
Carthay Land Co.								
Carthay State	1 F	20-17S-35E	1-31-60	F 100 BO	3985 DF	4890	4618	San Andres
Carthay State	2 G	20-17S-35E	5-23-60	F 150 BO		4875	4658	San Andres
Phillips Pet. Co.								
Santa Fe	55 J	20-17S-35E	8-21-60	P 51 BO	3978 DF	4800	4420	Grayburg
Brunner R. & Bakke, W.E. Oil								
Southern Pet. State	1 A	24-17S-35E	7-26-60	P & A	3912 DF	9604		
Phillips Pet. Co.								
Santa Fe	54 C	29-17S-35E	9-5-60	P 92 BO	3982 DF	4753	4341	Grayburg
Shell Oil Co.								
State "I"	2 E	29-17S-35E	9-7-60	P 53 BO	3976 DF	4739	4408	Grayburg
Texaco, Inc.								
Cities Service Fed.	1 M	3-17S-36E	9-27-60	swb 42 BO	3878 GR	5072	4704	San Andres
Sunray Mid-Continent Oil								
State "X"	1 B	20-17S-36E	12-28-60	F 545 BO	3886 DF	9311	9002	Abo
Chambers & Kennedy & T.P. Coal & Oil								
Williams, G. H.	1 B	6-18S-33E	4-5-60	P & A	3968 DF	9003		
Trigg, John H.								
Federal "I"	11 I	24-18S-33E	12-22-60	P 30 BO	3958 DF	4432	4409	Queen
Sinclair Oil & Gas Co.								
State Lea 697	1 L	14-18S-34E	10-13-60	P & A	4007 GR	5200		
Continental Oil Co.								
State V-22	1 N	22-18S-34E	7-21-60	F 208 BO	3999 GR	4705	4562	Queen
State V-22	2 K	22-18S-34E	10-31-60	F 240 BO	4041 DF	4593	4552	Queen
State X-22	1 O	22-18S-34E	8-5-60	F 284 BO	4008 DF	4798	4573	Queen
State X-22	3 J	22-18S-34E	9-20-60	F 133 BO	4029 DF	4830	4532	Queen
Ambassador Oil Corp.								
Federal	1 C	27-18S-34E	10-15-60	P & A		4627		
Continental Oil Co.								
White 27	1 B	27-18S-34E	10-27-60	TA	4028 DF	4900		
Standard Oil Co. of Tex.								
Vac Edge Unit	2 E	4-18S-35E	10-17-60	F 240 BO	3960 DF	8984	8650	Abo
State 3-5	1 J	4-18S-35E	1-6-60	TA	3961 DF	4602		
Kelly, John M.								
State "CS"	1 N	14-18S-35E	8-5-60	P & A	3894 DF	12242		

COMPANY LEASE	WELL UNIT	S.T.R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
Trigg, John H. Federal "J" Lea	2 P	14-18S-35E	8-20-60	F 276 BO	3891 KB	12183	12173	Devonian
Pure Oil Co. State Lea "F"	2 O	22-18S-35E	1-27-60	F 600 BO	3902 DF	11770	11644	Devonian
Sinclair Oil & Gas Co. State Lea 403	3 N	22-18S-35E	5-28-60	F 394 BO		11750	11686	Devonian
Kelly, John M. Makaroff	1 B	23-18S-35E	8-5-60	P & A		225		
State "EK"	1 A	23-18S-35E	8-1-60	F 165 BO	3896 KB	12284	10877	Pennsylvanian
Federal "SS"	1 D	24-18S-35E	2-27-60	F 360 BO	3879 DF	12232	12168	Devonian
State "SN"	1 E	24-18S-35E	8-9-60	P & A		285		
Pure Oil Co. Reeves	3 O	26-18S-35E	2-27-60	TA	3888	12004		
Reeves "A"	4 K	26-18S-35E	4-19-60	F 537 BO	3875 DF	11730	11658	Devonian
State Lea "J"	1 E	26-18S-35E	7-20-60	F 578 BO	3898 DF	11715	11555	Devonian
State Lea "I"	1 M	36-18S-35E	5-28-60	P & A		11794		
Aztec Oil & Gas Co. State "AJ"	1 M	1-18S-36E	6-15-60	21000 MCF	3801	5250	4452	Queen
Cactus Drlg. Co. Catron State "B"	2 J	1-18S-36E	10-7-60	P & A	3789 KB	4678		
Catron State "B"	1 A	11-18S-36E	7-8-60	825 MCF	3799 DF	5213	4476	Queen
Kelly, John M. State "JJ"	1 P	11-18S-36E	7-19-60	1570 MCF	3807 DF	6300	4470	Queen
Cactus Drlg. Co. Amerada State	1 C	12-18S-36E	10-31-60	2500 MCF	3783 DF	6026	4422	Queen
Shell Oil Co. State "MA"	1 A	14-18S-36E	11-2-60	12500 MCF	3787 DF	4850	4434	Queen
Continental Oil Co. No. Hobbs Unit	1 D	13-18S-37E	5-26-60	P & A		8877		
Tidewater Oil Co. State "B"	3 F	14-18S-37E	8-29-60	P & A	3699 DF	4325		
Gulf Oil Corp. Hardin, D. W.	7 B	18-18S-38E	9-25-60	F 158 BO	3680 KB	4200	4165	Grayburg
Morgan, R. M. Hardin "B"	4 C	18-18S-38E	2-18-60	F 45 BO	3678 DF	4195	4087	Grayburg
Heath & Humbard Carter "B"	1 H	7-18S-39E	2-10-60	TA	3711 DF	5154		
Pan American Pet. Corp. Bondurant	1 I	13-19S-32E	9-20-60	F 98 BO	3643 KB	3283	3258	Yates
EPNG Lusk Deep Ut. Fed. (Dual)	1 A	19-19S-32E	10-26-60 10-7-60	F 141 BO F 732 BO	3600 DF	11232	8759 11168	Bone Springs Strawn
Linehan & Stoltenberg East Lusk	1 L	22-19S-32E		P & A	3601 DF	2934		
Mayer, Len Featherstone	1 M	9-19S-33E	10-19-60	P & A	3676 DF	3610		
Hudson, Wm. A. & Ed. R. Federal 18	1 E	18-19S-33E	5-23-60	F 648 BO	3632 DF	3281	3259	Seven Rivers
Federal 18	2 F	18-19S-33E	6-13-60	F 229 BO		3280	3247	Yates
Federal 18	3 G	18-19S-33E	6-23-60	F 192 BO	3646 DF	3283	3250	Yates
Federal 18	4 H	18-19S-33E	8-26-60	P 27 BO	3650 DF	3350	3282	Yates
Federal 18	5 K	18-19S-33E	7-12-60	P & A	3640 DF	3345		

<u>COMPANY</u> <u>LEASE</u>	<u>WELL</u> <u>UNIT</u>	<u>S.T.R.</u>	<u>COMP.</u> <u>DATE</u>	<u>INIT.</u> <u>PROD.</u> <u>TEST</u>	<u>ELEV.</u>	<u>TOTAL</u> <u>DEPTH</u>	<u>TOP</u> <u>PAY</u>	<u>PRODUCING</u> <u>FORMATION</u>
Hudson, Wm. A. & Ed. R. Federal 18	6 C	18-19S-33E	7-22-60	P & A	3649 DF	3332		
Federal 18	7 L	18-19S-33E	10-24-60	F 203 BO	3642 DF	3290	3268	Yates
Pan American Pet. Corp. W. Tonto Deep Ut.	1 E	18-19S-33E	4-3-60	F 2030 MCF	3654 DF	14945	13325	Strawn
Kirkland & Ormand Bros. Gulf Federal	1 M	15-19S-34E	5-16-60	P & A	3787 DF	5186		
Stevens, D.G. & Gillespie Superior Federal	C.B., Jr. 1 N	25-19S-34E	11-22-60	P & A	3742 DF	5092		
Cabeen Expl. Corp. Pure State	1 K	36-19S-34E	5-25-60	P 38 BO		5060	4936	Queen
State "E"	1 E	36-19S-34E	2-21-60	P 20 BO	3723 DF	5050	4752	Queen
Pure Oil Co. State Lea "K"	1 L	36-19S-34E	10-18-60	P 63 BO	3716 DF	4980	4725	Queen
The Ohio Oil Co. State NPA	1 L	6-19S-35E	1-30-60	3750 MCF	3918 DF	14647	13033	Pennsylvanian
Shell Oil Co. McIntosh "B"	2 E	22-19S-35E	1-2-60	P 152 BO	3765 DF	4910	4821	Queen
McIntosh "B"	3 D	22-19S-35E	3-12-60	P 37 BO	3762 DF	4950	4882	Queen
Trainer, C. W. Rushing	2 B	22-19S-35E	6-18-60	P 9 BO	3762 KB	4920	4811	Queen
Cactus Drlg. Co. Parks	2 C	29-19S-35E	11-2-60	80 BO	3784 DF	5039	5020	Queen
Gulf Oil Corp. Lea State "IH"	4 L	29-19S-35E	1-5-60	F 360 BO	3765 DF	4980	4819	Queen
Shell Oil Co. State "K"	2 D	29-19S-35E	8-10-60	P 94 BO	3785 DF	5152	5026	Queen
Gulf Oil Corp. Lea State "AP"	2 I	30-19S-35E	5-1-60	P 86 BO	3768 DF	4995	4826	Queen
Lea State "AP"	3 H	30-19S-35E	6-20-60	P 70 BO		5078	4848	Queen
Lea State "AP"	4 O	30-19S-35E	9-8-60	TA	3752 KB	5075		
Cactus Drlg. Co. Aztec State	4 H	31-19S-35E	6-25-60	70 BO	3722 GR	4930	4874	Queen
Gulf Oil Corp. Lea State "AQ"	6 G	32-19S-35E	1-22-60	P 79 BO	3728 DF	5000	4789	Queen
Lea State "AQ"	7 H	32-19S-35E	2-10-60	P 42 BO	3730 DF	4980	4802	Queen
Lea State "AQ"	8 E	32-19S-35E	3-13-60	P 61 BO	3729 DF	4974	4795	Queen
Phillips Pet. Co. New Mexico "C"	1 J	32-19S-35E	8-8-60	P 38 BO	3715 DF	5050	4790	Queen
Gulf Oil Corp. Lea State "AR"	4 J	33-19S-35E	8-18-60	P 58 BO	3701 DF	5015	4776	Queen
Lea State "BG"	5 E	33-19S-35E	4-1-60	P 55 BO	3730 DF	4985	4802	Queen
Lea State "BG"	6 F	33-19S-35E	4-11-60	P 79 BO	3712 DF	4970	4767	Queen
Lea State "BG"	7 G	33-19S-35E	5-19-60	P 75 BO	3709 DF	5028	4755	Queen
Lea State "BG"	8 H	33-19S-35E	6-11-60	P 34 BO		5012	4750	Queen
Brown, James G. & Assoc. Gulf State	1 N	34-19S-35E	10-25-60	F 82 BO	3696 DF	5000	4954	Queen
Gulf State	2 M	34-19S-35E	12-1-60	P 55 BO	3698 DF	5018	4975	Queen
Gulf Oil Corp. Lea State "AR"	1 K	34-19S-35E	8-12-60	P 86 BO	3699 DF	5005	4754	Queen
Shell Oil Co. Allen Estate	4 A	34-19S-35E	5-1-60	P 80 BO	3708 DF	5000	4728	Queen

COMPANY LEASE	WELL UNIT	S.T.R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCIN FORMATION
Shell Oil Co.								
State "PC"	1 G	34-19S-35E	1-16-60	P 125 BO	3707 DF	5030	4726	Queen
State "PC"	2 B	34-19S-35E	2-7-60	P 98 BO	3711 DF	5000	4716	Queen
State "PD"	4 E	34-19S-35E	1-27-60	P 132 BO	3703 DF	5050	4971	Queen
State "PE"	1 H	34-19S-35E	3-17-60	P 224 BO	3706 DF	4986	4738	Queen
State "PF"	1 J	34-19S-35E	3-2-60	P 59 BO	3699 DF	5040	4708	Queen
State "PF"	2 I	34-19S-35E	5-4-60	P 74 BO	3698 DF	5000	4741	Queen
State "PG"	1 P	34-19S-35E	4-18-60	P 72 BO	3691 DF	5020	4753	Queen
State "PG"	3 O	34-19S-35E	6-5-60	P 198 BO		5000	4748	Queen
State "PE"	2 L	35-19S-35E	5-17-60	P & A	3697 DF	5000		
Bell Pet. Co.								
Shell State	1 N	15-19S-36E	3-7-60	P & A	3771 DF	4325		
Shell Gaither	1 F	20-19S-36E	2-26-60	P & A	3718 DF	4860		
Gulf Oil Corp. Monument Unit	1 F	19-19S-37E	2-10-60	P & A	3702 DF	10931		
Plymouth Oil Co. Cain, L. D., Jr.	1 G	12-19S-38E	1-25-60	P & A	3637 DF	4454		
Nearburg & Ingram Ohio State	1 P	16-19S-38E	2-24-60	P & A	3601 DF	10008		
Lovelady, I. W. Phillips State	1 G	16-20S-32E	5-27-60	P 36 BO		2714	2547	Yates
Stout State	1 B	16-20S-32E	6-18-60	P 33 BO		2697	2555	Yates
Shell Oil Co. & Tex. Cr. Oil Co. Big Eddy Unit	1 L	21-20S-32E	1-13-60	P & A	3512 DF	7803		
Texaco, Inc. State "CH" (Dual)	1 H	36-20S-32E	4-12-60 4-11-60	3526 MCF 1414 MCF	3613 DF	14816	13242 12640	Morrow Atoka
Sinclair Oil & Gas Co. Lea Federal 6015	1 O	9-20S-33E	5-6-60	P & A	3550 DF	3300		
Cities Service Oil Co. State "BF"	1 G	16-20S-33E	7-25-60	F 51 BO		3278	3164	Yates
Sinclair Oil & Gas Lea State 886	2 B	16-20S-33E	3-14-60	139 BO	3556	3360	2950	Yates
Lea State 886	3 E	16-20S-33E	4-8-60	163 BO	3543 DF	3260	3166	Yates
Lea State 6019	2 D	16-20S-33E	5-21-60	P 47 BO	3539 DF	3297	3194	Yates
Shell Oil Co. Shell Wills "TA"	1 I	22-20S-33E	2-17-60	P & A	3616 DF	3470		
Shell Hudson Fed.	1 M	26-20S-33E	1-24-60	P & A	3654 DF	3470		
El Cinco Prod. Co, Ltd. Shell	1 C	35-20S-33E	4-27-60	P & A	3671 DF	3430		
Hudson, Wm. A & Edward R. Matlock Federal	4 G	4-20S-34E	2-7-60	P & A	3647 DF	3781		
The Ohio Oil Co. Lea Unit Fed. (Dual)	1 L	12-20S-34E	7-8-60 10-11-60	F 516 BO F 214 BO	3673 DF	14735	14347 9480	Devonian Bone Springs
Vogel, A. J. & Brown, Tom D & E Federal	1 N	22-20S-34E	5-16-60	F 59 BO	3676	3690	3536	Yates
R & B Federal	1 O	22-20S-34E	6-28-60	P 86 BO	3675 GR	3685	3642	Yates
Phillips Pet. Co. Cruces Federal	6 K	26-20S-34E	5-22-60	F 276 BO	3725 DF	3700	3610	Yates
Vogel, A. J. & Brown, Tom D & E Federal	2 B	27-20S-34E	10-18-60	P 36 BO	3693 DF	3791	3665	Yates
Shell Oil Co. State "PH"	1 D	2-20S-35E	6-16-60	P & A		4995		

<u>COMPANY LEASE</u>	<u>WELL UNIT</u>	<u>S.T.R.</u>	<u>COMP. DATE</u>	<u>INIT. PROD. TEST</u>	<u>ELEV. ELEV.</u>	<u>TOTAL DEPTH</u>	<u>TOP PAY</u>	<u>PRODUCING FORMATION</u>
Trainer, C. W.								
Lowe	1 E	3-20S-35E	12-1-60	P 36 BO	3685 DF	5040	4847	Queen
Western Federal	1 L	3-20S-35E	9-30-60	160 BO	3683 DF	5042	4886	Queen
Brown, James G. & Assoc.								
Federal	1 O	4-20S-35E	9-9-60	F 84 BO	3698 DF	5024	4954	Queen
Federal	2 I	4-20S-35E	11-11-60	F 204BO	3695 DF	5120	4936	Queen
Federal	4 P	4-20S-35E	12-16-60	F 72 BO	8694 DF	4983	4838	Queen
Federal "B"	1 K	9-20S-35E	12-19-60	P & A	3703 DF	5222		
So. Union Gas Co.								
Federal Saunders	1 B	9-20S-35E	12-17-60	F 11 BO	3697 DF	5010	4963	Queen
Stoltz, Deane H.								
Hudson Federal	1 I	17-20S-35E	7-20-60	P & A	3010 DF	4158		
Anderson Prichard Oil Corp.								
Britt "A" Federal	7 K	6-20S-37E	8-12-60	9900 MCF	3573 DF	10095	9793	McKee
Continental Oil Co.								
Britt "B" Federal	10 F	15-20S-37E	5-10-60	756 BO	3656 DF	6980	6430	Tubb
Britt "B" Federal	11 N	15-20S-37E	12-26-60	P 71 BO	3564 DF	6951	6454	Tubb
SEMU D.T. Fed. (Dual)	70 I	15-20S-37E	2-10-60	F 363 BO	3559 DF	7200	6671	Drinkard
			2-4-60	159 BO			6458	Tubb
McCormick, Len G.								
Phillips House St.	1 O	2-20S-38E	1-23-60	P 69 BO	3588	7106	6990	Drinkard
Continental Oil Co.								
Warren Ut. McKee Fed.	27 N	20-20S-38E	5-13-60	F 199 BO	3557 DF	9133	8960	Simpson
Texas Crude Oil Co.								
Carter "A"	2 M	19-20S-39E	1-16-60	F 173 BO	3574 DF	7485	7246	Abo
Aztec Oil & Gas Co.								
State "HD"	1 J	15-21S-35E	5-7-60	P & A	3604 DF	4055		
Cosden Pet. Corp.								
State "D"	1 P	16-21S-35E	1-7-60	P & A	3602 DF	4121		
Phillips Pet. Co.								
Yates "A"	1 O	29-21S-35E	4-11-60	F 660 BO	3644 DF	3938	3794	Yates
Yates "A"	2 K	29-21S-35E	7-30-60	F 160 BO	3657 DF	4000	3872	Yates
Yates "A"	3 L	29-21S-35E	8-7-60	F 138 BO	3656 DF	3950	3838	Yates
Aztec Oil & Gas Co.								
State "EW"	1 A	31-21S-35E	11-28-60	F 42 BO	3622 DF	4200	3856	Yates
Phillips Pet. Co.								
Merchant "A"	1 B	32-21S-35E	6-17-60	F 22 BO	3621	3880	3766	Yates
Merchant "A"	2 G	32-21S-35E	7-11-60	F 18 BO	3621 DF	3900	3809	Yates
Roche, Jack								
Union State	1 M	34-21S-35E	9-6-60	P & A	3612 GR	4220		
Lario Oil & Gas Co.								
State	1 P	35-21S-35E	12-31-60	P & A		4050		
Gulf Oil Corp.								
Ramsay, W.A.-NCT-A	46 E	27-21S-36E	1-25-60	P 40 BO	3569 DF	3870	3768	Queen
Ramsay, W.A.-NCT-A	47 L	27-21S-36E	2-3-60	F 49 BO	3576 DF	3865	3774	Queen
Continental Oil Co.								
Lockhart B Fed.	8 I	31-21S-36E	6-6-60	F 28 BO	3637 DF	3950	3742	Seven Rivers
Gulf Oil Corp.								
Arnott Ramsay NCT-D	13 H	33-21S-36E	10-7-60	F 30 BO	3579 DF	3956	3755	Queen
Arnott Ramsay NCT-D	14 H	33-21S-36E	7-26-60	F 84 BO	3587 DF	3970	3744	Queen
Ramsay, W.A. NCT-A	49 M	34-21S-36E	2-3-60	F 43 BO		3866	3761	Queen
Continental Oil Co.								
Lockhart B Fed. (Dual)	15 J	11-21S-37E	3-17-60	F 80 BO	3443 DF	6760	6589	Drinkard
			3-18-60	F 205 BO			5752	Blincy

COMPANY LEASE	WELL UNIT	S.T.R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
Markham, Cone & Redfern Eubanks (Dual)	4 N	14-21S-37E	1-25-60 1-23-60	F 270 BO F 49 BO	3414 DF	7350	5683 6530	Blinebry Drinkard
Texaco, Inc. Mittie Weatherly (Dual)	4 E	17-21S-37E	1-5-60	F 141 BO F 828 MCF	3487 DF	3840	3705 3492	Grayburg Queen
Mittie Weatherly	5 D	17-21S-37E	4-21-60	P 21 BO	3486 DF	3860	3710	Grayburg
Peery, J. W. Hardy Federal (Dual)	5 O	19-21S-37E	12-6-60 12-23-60	F 65 BO F 56 BO	3513 DF	6000	5598 5175	Blinebry Paddock
Socony Mobil Oil Co., Inc. Carson, E. O. (Dual)	22 L	28-21S-37E	10-10-60 10-18-60	F 81 BO P 30 BO	3469 DF	7440	7059 5175	Abo Paddock
Dual Drlg. Co. Richardson & Bass St. Hudson Federal	1 P 1 D	5-22S-33E 9-22S-33E	8-16-60 3-23-60	P & A P & A	3656 DF 3648 DF	6065 5028		
Western Drlg. Co., Inc. Donegan St. (Humble)	2 C	3-22S-35E	4-13-60	P & A	3622 DF	4088		
Hudson, Wm. A. & Ed. R. Humble State	1 K	9-22S-35E	11-26-60	P & A	3578 DF	4204		
Gulf Oil Corp. Janda, J. F., NCT-F	17 A	4-22S-36E	11-15-60	P & A	3576 DF	11730		
T. P. Coal & Oil Co. State "A" AC/2	44 F	5-22S-36E	4-26-60	F 165 BO	3619 DF	3879		Queen
State "A" AC/2	45 K	5-22S-36E	5-20-60	F 158 BO	3605 DF	3850	3766	Queen
State "A" AC/2	46 N	5-22S-36E	6-22-60	F 195 BO	3593 DF	3854	3756	Queen
State "A" AC/2	47 C	5-22S-36E	7-29-60	119 BO	3616 DF	3890	3820	Queen
State "A" AC/2	49 C	8-22S-36E	9-28-60	F 226 BO	3597 DF	3870	3781	Queen
State "A" AC/2	51 F	8-22S-36E	12-30-60	171 BO	3606 DF	3867	3778	Queen
State "A" AC/2	48 B	9-22S-36E	9-16-60	P 205 BO	3579 DF	3817	3770	Queen
State "A" AC/2	50 A	9-22S-36E	10-18-60	F 180 BO	3575 DF	3827	3788	Queen
Western Natural Gas Co. Harrington	3 C	10-22S-36E	3-21-60	F 368 BO	3581 DF	3813	3774	Queen
Cities Service Oil Co. Closson "B"	16 M	18-22S-36E	5-3-60	F 200 BO	3592 DF	3872	3684	Seven Rivers
Closson "B" Fed.	17 L	18-22S-36E	6-15-60	F 44 BO	3597 DF	3840		Seven Rivers
Closson "B"	14 D	19-22S-36E	1-4-60	F 151 BO	3588 DF	3813	3784	Seven Rivers
Closson "B" Fed.	15 E	19-22S-36E	2-14-60	F 144 BO	3573 DF	3815	3718	Seven Rivers
Closson "B"	18 M	19-22S-36E	8-24-60	TA	3587 DF	3909		
Texaco, Inc. Falby, C.P. (b) Fed. (Dual)	3 M	8-22S-37E	8-8-60 5-19-60	P 34 BO F 216 BO	3415 DF	3800	3684 3468	Grayburg Queen
Adobe Oil Co. State	2 E	17-22S-37E	11-27-60	F 71 BO	3407 DF	3800	3480	Queen
Permian Oil Co. State	1 D	17-22S-37E	1-19-60	P 112 BO	3410 DF	3798	3675	Grayburg
Humble Oil & Rfg. Co. State "M"	24 O	19-22S-37E	10-31-60	F 350 BO		7005	3704	Queen
Olsen Oils, Inc. Sims	3 K	25-22S-37E	5-11-60	F 127 MCF	3319 DF	6164	6005	Tubb
Humble Oil & Rfg. Co. State "M" (Dual)	20 F	29-22S-37E	11-16-60 5-28-60	P 20 BO F 80 BO	3379 DF	6850	6452 3622	Drinkard Queen
State "M"	21 G	29-22S-37E	8-11-60	F 416 BO	3371 DF	3680	3594	Queen
State "M"	22 B	29-22S-37E	9-28-60	F 20 BO	3386 GR	3678	3576	Queen

COMPANY LEASE	WELL UNIT	S.T.R.	COMP. DATE	INIT. PROD. TEST	ELEV. ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
Humble Oil & Rfg. Co.								
State "M"	23 C	29-22S-37E	9-21-60	F 51 BO	3381 DF	3686	3564	Queen
State "M"	25 L	29-22S-37E	9-3-60	F 300 BO	3392 DF	3735	3664	Queen
State "M"	26 E	29-22S-37E	9-12-60	F 261 BO	3391 DF	3685	3628	Queen
State "M"	27 H	30-22S-37E	10-6-60	F 272 BO	3414 DF	3730	3682	Queen
State "M"	28 I	30-22S-37E	10-28-60	F 941 BO	3409 DF	3750	3693	Queen
Texaco, Inc.								
Blnbry, A.H. NCT-1 Fed (Dual)	11 L	28-22S-38E	1-26-60	F 260 BO	3386 DF	7200	6905	Drinkard Tubb
Blnbry, A. H. NCT-4 (Dual)	2 O	31-22S-38E	1-24-60 6-16-60 6-15-60	F 94 BO F 80 BO F 125 BO		7050	5700 6449	Blinebry Drinkard
Gulf Oil Corp.								
Andrews, T. R. (Dual)	4 O	32-22S-38E	2-17-60 2-1-60	F 60 BO F 123 BO	3413 DF	6000	5554 5202	Blinebry Paddock
Hudson, Wm. A. & Edward R.								
Federal "7"	1 M	7-23S-33E	4-12-60	P & A		5131		
El Cinco Prod. Co., Ltd.								
Humble State	1 B	32-23S-33E	12-5-60	P & A	3575 GR	5360		
Continental Oil Co.								
Bell Lake Unit	6 O	6-23S-34E		30500 MCF	3483 DF	16505	14568	Devonian
Tidewater Oil Co.								
King, E. F.	4 M	1-23S-36E	1-19-60	F 277 BO	3436 DF	3800	3699	Queen
King, E. F.	5 N	1-23S-36E	1-28-60	F 108 BO	3432 DF	3800	3715	Queen
Skelly Oil Co.								
Hobbs "K"	2 M	2-23S-36E	3-19-60	F 162 BO	3460 DF	3700	3648	Queen
Shell Oil Co.								
State "JG"	3 K	2-23S-36E	12-12-60	P 61 BO	3461 DF	3802	3688	Queen
State "JG"	4 L	2-23S-36E	12-5-60	F 167 BO	3472 DF	3772	3653	Queen
Gackle, Albert								
Sinclair State "B"	11 G	3-23S-36E	9-17-60	F 792 BO	3491 DF	3856	3686	Seven Rivers
Sinclair State "B"	12 H	3-23S-36E	9-23-60	F 300 BO	3486 DF	3866	3654	Queen
T. P. Coal & Oil Co.								
State "A" AC/1	87 G	4-23S-36E	7-4-60	F 267 BO		3776	3646	Seven Rivers
State "A" AC/1	93 B	9-23S-36E	10-8-60	225 BO	3492 DF	3789	3692	Queen
State "A" AC/1	100 A	9-23S-36E	12-14-60	F 288 BO	3484 DF	3760	3705	Queen
State "A" AC/1	81 C	10-23S-36E	2-8-60	F 426 BO	3493 DF	3754	3681	Seven Rivers
State "A" AC/1	86 F	10-23S-36E	4-5-60	F 199 BO	3471 DF	3696	3660	Seven Rivers
State "A" AC/1	88 K	10-23S-36E	5-7-60	F 288 BO	3452 DF	3678	3625	Queen
State "A" AC/1	89 N	10-23S-36E	6-13-60	F 105 BO		3685	3655	Queen
State "A" AC/3	4 B	10-23S-36E	3-6-60	F 259 BO	3482 DF	3729	3677	Queen
State "A" AC/3	5 G	10-23S-36E	6-4-60	F 42 BO		3689	3638	Queen
State "A" AC/3	6 J	10-23S-36E	8-14-60	F 160 BO	3446 DF	3695	3631	Queen
Gulf Oil Corp.								
Janda, J. F. NCT-H	2 P	11-23S-36E	4-28-60	F 76 BO	3413 DF	3700	3601	Queen
Janda, J. F. NCT-H (Dual)	3 J	11-23S-36E	11-4-60	F 65 BO 5300 MCF	3434 DF	3700	3602 3012	Queen Yates
T. P. Coal & Oil Co.								
State "A" AC/1	83 C	11-23S-36E	2-27-60	F 75 BO	3435 DF	3689	3617	Queen
State "A" AC/1	85 F	11-23S-36E	3-27-60	F 168 BO	3447 DF	3704	3636	Queen
State "A" AC/1	92 D	11-23S-36E	9-19-60	F 348 BO	3451 DF	3698	3643	Queen
State "A" AC/1	95 L	11-23S-36E	10-28-60	F 240 BO	3450 DF	3708	3655	Queen
Continental Oil Co.								
Stevens B-12 Fed.	5 N	12-23S-36E	3-24-60	F 54 BO	3388 DF	3759	3595	Queen
Stevens B-12 Fed.	6 B	12-23S-36E	4-10-60	F 208 BO	3422 DF	3730	3662	Queen
Stevens B-12 Fed.	7 C	12-23S-36E	4-28-60	F 436 BO	3448 KB	3775	3640	Seven Rivers
Stevens B-12 Fed.	8 A	12-23S-36E	5-9-60	F 168 BO	3414 DF	5735	3644	Queen
Stevens B-12 Fed.	9 G	12-23S-36E	5-17-60	F 428 BO	3423 KB	3750	3642	Queen
Stevens B-12 Fed.	10 H	12-23S-36E	7-2-60	F 49 BO		3750	3679	Queen
Gackle, Albert								
Mobil-King	1 O	12-23S-36E	5-28-60	F 171 BO	3388 DF	3724	3608	Queen

COMPANY LEASE	WELL UNIT	S.T.R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
Gackle, Albert, Oper. Mobil-King	2 J	12-23S-36E	8-29-60	F 150 BO	3411 DF	3803	3608	Queen
Western Natural Gas Co. King	2 E	12-23S-36E	3-14-60	F 360 BO	3429	3713	3665	Queen
King	3 K	12-23S-36E	5-4-60	F 462 BO	3403 DF	3668	3644	Queen
King	4 F	12-23S-36E	10-11-60	F 139 BO	3427 DF	3706	3640	Queen
Continental Oil Co. Stevens B-14 Fed.	2 J	14-23S-36E	10-6-60	P 24 BO	3381 DF	3783	3550	Queen
Skelly Oil Co. Matkins, J. M.	2 N	14-23S-36E	3-31-60	F 236 BO	3374 DF	3700	3574	Queen
T. P. Coal & Oil Co. State "A" AC/1	77 B	14-23S-36E	1-9-60	F 60 BO	3434 DF	3645	3613	Queen
State "A" AC/1	78 G	14-23S-36E	1-10-60	F 129 BO	3401 DF	3625	3595	Queen
State "A" AC/1	79 E	14-23S-36E	7-20-60	F 60 BO	3397 DF	3637	3602	Queen
Phillips Pet. Co. Matkins	1 J	15-23S-36E	4-8-60	F 193 BO	3384 DF	3675	3610	Queen
Matkins	2 O	15-23S-36E	5-18-60	F 420 BO	3390 DF	3710	3612	Queen
T. P. Coal & Oil Co. State "A" AC/1	80 G	15-23S-36E	1-31-60	F 343 BO	3399 DF	3625	3572	Queen
State "A" AC/1	82 B	15-23S-36E	2-17-60	103 BO	3409 DF	3635	3602	Queen
State "A" AC/1	90 A	15-23S-36E	7-9-60	F 233 BO		3635	3616	Queen
State "A" AC/1	91 C	15-23S-36E	8-12-60	F 343 BO	3422 DF	3675	3662	Queen
Western Natural Gas Co. Matkins	2 I	15-23S-36E	5-20-60	F 360 BO	3389 DF	3650	3610	Queen
Campbell, E. P. Astec State	1 M	16-23S-36E	2-22-60	F 120 BO	3464 DF	3755	3639	Seven Rivers
Humble Oil & Rfg. Co. State "AA"	4 B	22-23S-36E	7-12-60	F 350 BO	3389 DF	3750	3668	Queen
State "AA"	5 G	22-23S-36E	8-3-60	F 56 BO	3391 DF	3774	3713	Queen
Shell Oil Co. State "JK"	1 I	22-23S-36E	3-9-60	F 141 BO	3391 DF	3765	3590	Seven Rivers
State "JK"	2 J	22-23S-36E	9-22-60	F 153 BO	3398 DF	3812	3623	Seven Rivers
T. P. Coal & Oil Co. State "A" AC/1	94 C	22-23S-36E	9-16-60	F 99 BO	3402 DF	3744	3574	Seven Rivers
State "A" AC/1 (Dual)	97 F	22-23S-36E	11-8-60 11-30-60	F 37 BO 2400 MCF	3405 DF	3645	3368 3086	Queen Yates
Gackle, Albert, Oper. Sinclair State "A"	3 L	23-23S-36E	10-10-60	F 354 BO	3380 DF	3790	3536	Seven Rivers
T. P. Coal & Oil Co. State "A" AC/1	84 G	23-23S-36E	3-17-60	F 300 BO	3365 DF	3585	3529	Queen
State "A" AC/1	98 B	23-23S-36E	12-10-60	F 420 BO		3595	3580	Queen
Warren, Jess L. Janda State	1 H	24-23S-36E	1-1-60	F 60 BO	3348 DF	3553	3514	Seven Rivers
Janda State	2 B	24-23S-36E	1-23-60	F 75 BO	3353 DF	3550	3512	Queen
Haynes & V. T. Drlg. Co. Lankford, Nina "C"	3 H	25-23S-36E	5-1-60	P & A		20		
Campbell, E. P. Whitten, Roy (Shell)	1 H	33-23S-36E	4-20-60	P 34 BO	3413 DF	4000	3535	Seven Rivers
Dalport Oil Corp. King, W. H.	2 L	6-23S-37E	2-21-60	F 50 BO	3404 DF	3770	3478	Seven Rivers
Olsen Oils, Inc. Clift	4 P	8-23S-37E	9-17-60	P 7 BO	3337 DF	3635	3480	Queen
Skelly Oil Co. Harrison "B"	11 N	9-23S-37E	2-25-60	F 39 BO	3327 DF	3700	3511	Queen

COMPANY LEASE	WELL UNIT	S.T.R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
Skelly Oil Co. Harrison "B"	12 M	9-23S-37E	3-17-60	F 20 BO	3331 DF	3670	3526	Queen
Samedan Oil Corp. Hughes A-2 Fed.	9 M	10-23S-37E	1-25-60	F 369 BO	3307 DF	3658	3492	Queen
Continental Oil Co. Cline A Fed.	5 F	15-23S-37E	4-10-60	P 57 BO	3303 DF	3700	3579	Queen
Texaco, Inc. State "BZ" NCT-8	12 O	16-23S-37E	1-13-60	F 26 BO	3309 DF	3611	3490	Queen
Samedan Oil Corp. Hughes "B" 6 Fed.	10 E	19-23S-37E	8-7-60	F 123 BO	3350 DF	3564	3513	Queen
Western Natural Gas Co. Steeler	3 L	19-23S-37E	4-1-60	F 336 BO	3339 DF	3568	3524	Queen
	4 M	19-23S-37E	5-18-60	F 41 BO		3585	3541	Queen
Delhi-Taylor Oil Corp. Cline Federal	5 B	22-23S-37E	1-16-60	F 103 BO	3289 DF	3701	3590	Queen
Brown, Tom Drlg. Co. La Munyon Federal	1 E	28-23S-37E	2-23-60	F 52 BO	3317 DF	3652	3568	Queen
Olsen Oils, Inc. Blinebry "A" Fed.	9 D	30-23S-37E	9-15-60	F 72 BO	3346 DF	3629	3536	Queen
Texaco, Inc. Blinebry "A" E. E. (Dual)	2 I	31-23S-37E	11-13-60	F 256 BO F 4190 MCF	3319 DF	3663	3510 3037	Queen Yates
Great Western Drlg. Co. Leonard, H. "B"	5 A	32-23S-37E	9-19-60	P 40 BO	3305 DF	3718	3472	Queen
Graham Paige Co. of Texas Whitten	1 O	5-24S-36E	4-6-60	TA	3433 DF	14112		
Chambers & Kennedy Whitten	1 N	9-24S-36E	6-6-60	P & A		7337		
Olsen Oils, Inc. Meyers "B" Fed. (Dual)	3 C	13-24S-36E	10-7-60 1-3-61	F 1426 MCF P 12 BO	3338 DF	3705	3002 3580	Yates Seven Rivers
	2 C	22-24S-36E	9-27-60	P 78 BO	3350 DF	3510	3476	Seven Rivers
Shell Oil Co. State	1 C	36-24S-36E	7-5-60	F 4008 MCF	3280 DF	12966	12730	Ellenburger
Texaco, Inc. Fanning, E. D.	6 D	4-24S-37E	5-14-60	55 BO	3285 DF	3680	3498	Queen
Simon, Jualian E. Woolworth	3 K	33-24S-37E	1-2-60	P 24 BO	3248 DF	3628	3498	Seven Rivers
Tennessee Gas Trans. Co. E. F. Ray USA Fed.	2 O	9-25S-32E	12-26-60	162 BO	3456 DF	4800	4692	Delaware
	1 M	10-25S-32E	11-27-60	F 52 BO	3457 DF	4795	4708	Delaware
Hill & Meeker Hall, Ora Fed.	1 E	14-25S-32E	12-6-60	P & A	3447 DF	4843		
Tennessee Gas Trans. Co. Jordan, G. E. - USA	1 M	15-25S-32E	9-16-60	F 171 BO	3425 DF	4805	4673	Delaware
	2 F	15-25S-32E	10-25-60	F 108 BO	3443 KB	4811	4674	Delaware
	3 C	15-25S-32E	11-15-60	F 9218 BO	3447 DF	4831	4694	Delaware
	4 L	15-25S-32E	12-31-60	F 44 BO	3438 DF	4774	4665	Delaware
Texaco, Inc. Jordan, G. E. NCT-2	1 E	15-25S-32E	12-19-60	F 108 BO	3448 KB	4743	4684	Delaware
	2 K	15-25S-32E	11-24-60	F 234 BO	3434 DF	4730	4676	Delaware

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Texaco, Inc.								
Jordan, G. E. Fed. NCT-1	4 N	15-25S-32E	12-19-60	F 92 BO	3428 DF	4727	4674	Delaware
Jordan, G. E. Fed. NCT-1	6 G	15-25S-32E	12-26-60	F 48 BO	3447 KB	4774	4707	Delaware
Tennessee Gas Trans. Co.								
State E. L. Bradley	1 H	16-25S-32E	11-1-60	F 74 BO	3443 DF	4778	4663	Delaware
State E. L. Bradley	2 A	16-25S-32E	12-8-60	F 47 BO	3454 DF	4836	4703	Delaware
State Monsanto	1 I	16-25S-32E	9-29-60	70 BO	3438 DF	4771	4644	Delaware
State Monsanto	2 P	16-25S-32E	11-11-60	F 53 BO	3431 DF	4768	4662	Delaware
State Monsanto	3 O	16-25S-32E	12-3-60	F 52 BO	3433 DF	4736	4609	Delaware
State Monsanto	4 N	16-25S-32E	12-20-60	42 BO	3419 DF	4715	4621	Delaware
Perry, E. H. Fed.	1 B	21-25S-32E	11-23-60	F 72 BO	3427 DF	4734	4608	Delaware
Perry, E. H. Fed.	2 D	21-25S-32E	12-26-60	F 52 BO	3406 DF	5017	4596	Delaware
Texaco, Inc.								
Jordan, G. E. Fed.	1 D	22-25S-32E	11-12-60	F 198 BO	3418 DF	4760	4662	Delaware
Jordan, G. E. NCT-1	3 E	22-25S-32E	12-3-60	F 198 BO	3414 DF	4717	4672	Delaware
Hill & Meeker & Brown T. Hall, Ora Fed "33"	1 M	33-25S-32E	12-23-60	P & A	3331 DF	4663		
Hill & Meeker Bass Federal "5"	1 A	5-25S-33E	7-10-60	P & A		5193		
Buckles, George L. Co. Marshall Federal	1 A	21-25S-33E	6-20-60	P & A		5087		
Farris, R. B. Parry, Eugene Fed.	1 M	24-25S-33E	7-24-60	P & A	3357 DF	5240		
Tennessee Gas. Trans. Co. Richardson & Bass Fed.	1 M	31-25S-33E	6-15-60	P & A	3383 DF	5036		
Antweil, Morris R. Neal	1 E	25-25S-36E	1-16-60	P 80 BO	3058 DF	3289	3184	Yates
Standard Prod. Co.								
Cooper	1 D	25-25S-36E	1-7-60	P 80 BO	3071 DF	3321	3234	Yates
Brown AC/1	3 C	25-25S-36E	6-1-60	F 75 BO		3248	3166	Yates
Brown	4 F	25-25S-36E	8-15-60	F 80 BO	3061 DF	3247	3195	Yates
Brown	6 L	25-25S-36E	10-9-60	P & A		3395		
Prichard, A. Oil Corp.								
Blocker Fed. (Dual)	6 D	13-25S-37E	6-9-60	F 145 BO		5992	5416	Blinebry
				F 36 BO			5806	Tubb
Blocker Fed. (Dual)	7 C	13-25S-37E	4-21-60	F 100 BO	3096 DF	6069	5350	Blinebry
			4-23-60	P 101 BO			5850	Tubb
Langlie "MB" (Dual)	1 P	14-25S-37E	2-2-60	F 103 BO	3099 DF	5980	5924	Drinkard
				F 380 BO			5375	Blinebry
Langlie "B" Fed. (Dual)	2 O	14-25S-37E	7-30-60	F 427 BO	3107 DF	6000	5824	Tubb
			7-28-60	F 94 BO			5338	Blinebry
Olsen Oils, Inc.								
Wimberly (Dual)	2 A	23-25S-37E	5-11-60	F 452 BO	3099 DF	5988	5920	Drinkard
				F 384 BO			5398	Blinebry
Wimberly	3 H	23-25S-37E	6-19-60	F 480 BO		5984	5924	Drinkard
Tidewater Oil Co.								
Coates, A. B. "C" (Dual)	23 P	24-25S-37E	10-15-60	F 175 BO	3074 DF	5950	5858	Drinkard
				F 219 BO			5338	Blinebry
Prichard, A. Oil Corp.								
Carlson "A" Fed. (Dual)	6 J	25-25S-37E	1-18-60	F 268 BO	3068 DF	5910	5408	Blinebry
				F 66 BO			5746	Tubb
Westates Pet. Co.								
Carlson "B" (Dual)	3 O	25-25S-37E	2-9-60	F 96 BO	3069 DF	6800	5900	Drinkard
			12-26-59	F 940 BO			6756	Fusselman

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Westates Pet. Co.								
Carlson "B" 25 Fed. (Dual)	4 P	25-25S-37E	4-7-60	168 BO	3066 DF	6895	6771	Fusselman
			5-18-60	F 408 BO			5906	Drinkard
Carlson "B" 25 Fed. (Dual)	5 O	25-25S-37E	6-23-60	F 360 BO	3067 DF	6175		Tubb
			7-20-60	F 168 BO			5416	Blinebry
Carlson "B" 26 Fed. (Dual)	5 I	26-25S-37E	2-19-60	F 398 BO	3065 DF	6250	5880	Drinkard
			3-3-60	F 380 BO			5054	Blinebry
Carlson "B" 26 (Dual)	6 P	26-25S-37E	7-25-60	F 480 BO	3049 DF	6000	5810	Tubb
			8-7-60	F 528 BO	3049 DF		5056	Blinebry
Carlson "B" 26 Fed. (Dual)	7 J	26-25S-37E	9-7-60	F 56 BO	3042 DF	6050	5110	Blinebry
			9-28-60	F 112 BO			5042	Paddock
Jal Oil Co., Inc.								
Gregory, R. G.	3 M	33-25S-37E	10-4-60	P 95 BO	2995 DF	3285	3188	Seven Rivers
Gulf Oil Corp.								
Ramsay, Arnott NCT-F (Dual)	5 A	36-25S-37E	3-18-60	F 60 BO	3057 DF	6355	5230	Blinebry
			3-30-60	F 53 BO			5891	Drinkard
Ramsay, Arnott NCT-F (Dual)	6 C	36-25S-37E	5-3-60	F 92 BO	3054 DF	6290	5763	Tubb
			5-20-60	F 171 BO			5251	Blinebry
Ramsay, Vinson "B" (Dual)	7 J	36-25S-37E	6-20-60	F 232 BO	3030 DF	6280	5777	Tubb
			7-28-60	F 541 BO			5214	Blinebry
Ramsay, Vinson "B" (Dual)	8 I	36-25S-37E	9-9-60	F 126 BO	3041 DF	6290	5724	Tubb
			9-11-60	F 88 BO			5156	Blinebry
Tidewater Oil Co.								
Buffington "C"	1-D M	18-25S-38E	10-27-60	221 BO	3089 DF	8292	5237	Blinebry
Prichard, A. Oil Corp.								
Buffington "B"	3-D M	19-25S-38E	8-29-60	F 156 BO	3079 DF	5970	5822	Tubb
				F 336 BO			5310	Blinebry
Texaco, Inc.								
Penny, C. E. NCT-4	5 D	19-25S-38E	4-16-60	F 339 BO	3084 DF	7990	7185	McKee
			4-14-60	F 345 BO			7948	Ellenburger
Pan American Pet. Corp.								
State "AJ"	6 M	30-25S-38E	11-1-60	F 48 BO	3068	7020	5172	Blinebry
			10-18-60	F 186 BO			6938	Fusselman
Leonard Oil Co.								
Ginsberg Federal	9 D	31-25S-38E	5-28-60	F 96 BO		6958	6934	Fusselman
Ginsberg Federal	10 L	31-25S-38E	10-19-60	F 384 BO	3848 DF	7095	5238	Blinebry
Gulf Oil Corp.								
Littlefield Fed. "DR"	1 O	24-26S-32E	4-2-60	F 504 BO	3147 DF	4719	4672	Delaware
Continental Oil Co.								
Wilder Federal	23 D	25-26S-32E	6-6-60	F 276 BO		4684	4639	Delaware
Wilder Federal	16 M	26-26S-32E	2-15-60	F 570 BO	3102 DF	4553	4481	Delaware
Wilder Federal	17 I	26-26S-32E	2-26-60	F 624 BO	3116 DF	4691	4594	Delaware
Wilder Federal	18 O	26-26S-32E	3-17-60	F 366 BO	3108 DF	4639	4510	Delaware
Wilder Federal	19 N	26-26S-32E	4-1-60	F 448 BO	3103 DF	4641	4495	Delaware
Wilder Federal	20 J	26-26S-32E	4-25-60	F 210 BO	3114 DF	4643	4544	Delaware
Wilder Federal	21 H	26-26S-32E	5-16-60	F 123 BO	3121 KB	4652	4608	Delaware
Wilder Federal	22 K	26-26S-32E	5-23-60	F 488 BO	3111 DF	4566	4514	Delaware
Wilder Federal	24 E	26-26S-32E	7-17-60	P 22 BO	3104 KB	4607	4497	Delaware
Wilder Federal	25 G	26-26S-32E	7-17-60	F 250 BO	3116 KB	5900	4559	Delaware
Wilder Federal	27 F	26-26S-32E	10-17-60	P 7 BO	3116 DF	4583	4529	Delaware
Russell Fed. 30	1 O	30-26S-32E	12-4-60	P 42 BO	3132 DF	4400	4226	Delaware
Bradley 35	4 B	35-26S-32E	1-13-60	F 278 BO	3104 DF	4608	4566	Delaware
Lowe, Ralph								
Conoco Federal	1 A	1-26S-33E	4-16-60	P & A	3328	5315		
Bennett, J. Glen								
Miller Federal	1 P	8-26S-33E	2-9-60	P & A	3299 DF	5005		
Gulf Oil Corp.								
Littlefield Fed. "DP"	1 M	17-26S-33E	6-9-60	TA	3264 DF	4984		
Littlefield Fed. "DQ"	1 M	19-26S-33E	1-8-60	P 11 BO	3155 DF	4790	4711	Delaware

<u>COMPANY LEASE</u>	<u>WELL UNIT</u>	<u>S.T.R.</u>	<u>COMP. DATE</u>	<u>INIT. PROD. TEST</u>	<u>ELEV. ELEV.</u>	<u>TOTAL DEPTH</u>	<u>TOP PAY</u>	<u>PRODUCING FORMATION</u>
El Cinco Prod. Co., Ltd. Humble Madera	1 N	23-26S-33E	10-21-60	P & A	3288 KB	5325		
Bennett, J. Glen Hall Federal	1 O	26-26S-33E	3-12-60	P & A	3350 DF	5256		
Continental Oil Co. Payne Federal	3 L	30-26S-33E	1-23-60	F 518 BO	3125 DF	4719	4672	Delaware
Payne Federal	5 M	30-26S-33E	2-6-60	F 151 BO	3113 DF	4699	4686	Delaware
Payne Federal	8 F	30-26S-33E	4-27-60	P 16 BO	3146 DF	4830	4723	Delaware
Payne Federal	11 N	30-26S-33E	8-2-60	97 BO	3114 DF	4786	4675	Delaware
Payne Federal	7 D	31-26S-33E	3-18-60	F 321 BO	3106 DF	4742	4646	Delaware
Payne Federal	9 E	31-26S-33E	6-6-60	F 440 BO		4738	4635	Delaware
Payne Federal	10 C	31-26S-33E	6-26-60	P 30 BO	3102	4757	4666	Delaware
Payne	12 F	31-26S-33E	9-26-60	P 13 BO	3101 DF	4777	4733	Delaware
Hill & Meeker Yates Fed. "4"	1 M	4-26S-34E	4-6-60	P & A	3346 KB	5482		
Cities Service Oil Co. Sand Hills Unit	9 M	5-26S-36E	5-25-60	P & A	2997 DF	3386		
Sand Hills Unit Fed.	8 M	8-26S-36E	2-8-60	P & A	2979 DF	3348		
Olsen Oils, Inc. Farnsworth Federal	4 I	4-26S-37E	5-6-60	P 39 BO	2997 DF	3280	3194	Seven Rivers
Continental Oil Co. Eaves A-30 Federal	4 D	30-26S-37E	10-20-60	F 280 BO	3982 KB	3312	3186	Yates
Forest Oil Corp. Agent Lowe Federal	1 L	7-26S-38E	7-19-60	F 269 BO	3031 DF	12950	9865	Devonian
Karcher, J. Paul Lowe Federal	1 P	19-26S-38E	3-10-60	P & A	3001 DF	3776		
<u>LINCOLN COUNTY</u>								
Dugger, Bryce Federal	1 E	30-6S-10E	11-3-60	WW		752		
<u>MCKINLEY COUNTY</u>								
Gardner Brothers Drlg. Sutton S. F.	1 L	17-16N-6W	10-7-60	P & A	6615 GL	1273		
Carr, Lauth & Brown Santa Fe	1 E	28-16N-6W	2-2-60	P & A		840		
Gardner Brothers Sutton S. F.	1 O	29-16N-6W	9-26-60	P & A	6496 GL	890		
Mesa Retailers, Inc. Navajo	1 N	18-18N-10W	4-10-60	D & A	6550 DF	440		
Sinclair	1 B	19-18N-10W	2-15-60	3 BO	6565 GL	437	413	Menefee
Gaddis Mining Co. Federal "A"	2 P	7-19N-5W	8-24-60	P & A	6627 DF	3450		
American Fiber Co. Santa Fe Pac. R. R.	1 I	30-19N-5W	8-8-60	TA	6824 GL	3350		
Reynolds, Otto B. Belknap S. F.	1 I	13-19N-6W	3-25-60	67 BO	6767 GL	3438	3360	Gallup
American Fiber Corp. State	1 I	16-19N-6W	7-25-60	66 BO	6800 GL	3400	2938	Gallup
Harry Leyman Corp. Sinclair S. F.	1 A	28-19N-6W	10-16-60	P & A	6937 GL	4242		

<u>COMPANY LEASE</u>	<u>WELL UNIT</u>	<u>S.T.R.</u>	<u>COMP. DATE</u>	<u>INIT. PROD. TEST</u>	<u>ELEV.</u>	<u>TOTAL DEPTH</u>	<u>TOP PAY</u>	<u>PRODUCING FORMATION</u>
Hathaway Co. Santa Fe	1 A	26-19N-10W	7-16-60	P & A	6632 GL	2367		
United Western Minerals Sinclair	1 A	29-19N-10W	11-4-60	P & A	6717 GL	2270		
Chaco Oil Co. S. F. Pac. R R	1-9 P	20-20N-9W	7-15-60	Inj.	6419 GL	460		
S. F. Pac. R R	1-10 P	20-20N-9W	6-15-60	Inj.		443		
S. F. Pac. R R	1-11 J	20-20N-9W	7-15-60	Inj.	6363 GL	450		
Scanlon & Shepard S. F. R R	1 P	21-20N-9W	5-25-60	D & A	6412 GL	545		
S. F. R R	2 L	21-20N-9W	11-1-60	D & A	6405 GL			
Ray	1 C	28-20N-9W	10-1-60	3 BO	6385 GL	550	512	Menefee
Chaco Oil Co. S. F. Pac. R R	1-7 A	29-20N-9W	6-19-60	Inj.	6438 GL	462		
S. F. Pac. R R	1-8 A	29-20N-9W	6-3-60	Inj.	6431 GL	465		
United Western Minerals Richardson Fed.	1 N	24-20N-13W	10-15-60	TA	6271 GL	2240		
<u>OTERO COUNTY</u>								
Campbell, E. P. Hurley	1 M	30-22S-14E	7-4-60	P & A	4605	2433		
Spanel, Lois	1 P	7-23S-16E	7-4-60	P & A	4620	2682		
Coral Oil & Gas Co. Warren	1 P	19-23S-18E	10-29-60	P & A		2353		
Turner, Fred, Jr. State	1 F	36-25S-16E	1-16-60	P & A	4322 DF	5195		
<u>QUAY COUNTY</u>								
Lee, J. C. Drlg. Co. Dennis	1 A	30-9N-32E	4-12-60	TA	4143 KB	5260		
<u>RIO ARRIBA COUNTY</u>								
August & Wagenseller Jicarilla "A"	1 D	6-23N-2W	9-19-60	498 MCF	7195 GL	3200	3014	Pictured Cliffs
Jicarilla "C"	1 D	17-23N-2W	9-30-60	1148 MCF	7295 GL	3150	3004	Pictured Cliffs
Jicarilla "B"	1 A	12-23N-3W	9-24-60	1020 MCF	7215 GL	3025	2998	Pictured Cliffs
Storms, Jim Ghost Ranch	2 E	22-24N-4E	11-28-60	P & A		790		
Skelly Oil Co. Mexico Federal "F"	1 E	9-24N-1W	6-16-60	P & A		3810		
Fundingsland, E. L. Werntz-Tidal	1-4 N	21-24N-1W	7-4-60	2549 MCF	7321 GL	3150	3062	Pictured Cliffs
Tidal Oil Co. Werntz-Tidal	2-4 O	21-24N-1W	10-26-60	2608 MCF	7333 GL	3150	3027	Pictured Cliffs
Monsanto Chemical Crane	1 N	28-24N-1W	9-3-60	3675 MCF	7378 GL	3188	3106	Pictured Cliffs
Dream House Acres Harrington Federal	2 N	33-24N-1W	11-14-60	2446 MCF	7363 DF	3114	3054	Pictured Cliffs
Shar-Alan Browning, H. B.	2 K	33-24N-1W	11-4-60	D & A	7352 GL	3146		

COMPANY LEASE	WELL UNIT	S.T.R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
Dream House Acres Federal	1 D	34-24N-1W	9-17-60	3895 MCF	7374 GL	3146	3029	Pictured Cliffs
Fundingsland, E. L. McKay-Tidal	1 N	14-24N-2W	10-4-60	TA	7283	3404		
EPNG								
Lindrith Unit	35 J	15-24N-3W	9-15-60	2465 MCF	7108 DF	3346	3220	Pictured Cliffs
Tonkin-Federal	3 G	18-24N-3W	6-6-60	1234 MCF	6896 GL	3135	3040	Pictured Cliffs
Lindrith Unit	37 A	21-24N-3W	8-2-60	699 MCF	7123	3302	3209	Pictured Cliffs
Lindrith Unit	36 I	23-24N-3W	7-25-60	1977 MCF	7173 DF	3266	3214	Pictured Cliffs
Lindrith Unit	34 B	25-24N-3W	7-18-60	2004 MCF	7120 DF	3213	3112	Pictured Cliffs
Northwest Productinn Jicarilla	2 C	1-24N-4W	1-10-60	3033 MCF	6970 GL	3320	3266	Pictured Cliffs
Aspen Crude Purch. Co. Jicarilla (Dual)	1 D	4-24N-5W	6-10-60	499 MCF 1689 MCF	6729 GL	7222	3508 7032	Chacra Dakota
Continental Oil Co. Haynes Apache (Triple)	1 L	9-24N-5W	10-13-60	74 BO 10 BO 883 MCF	6535 DF	6966	5760 6522 6726	Gallup Greenhorn Dakota
EPNG								
Jicarilla "A"	4 I	15-24N-5W	5-25-60	299 MCF	6618 DF	2500	2372	Pictured Cliffs
Gulf Oil								
Apache Federal(Dual)	9 D	17-24N-5W	11-14-60	12 BO 2040 MCF	6533 GL	6870	5514 6638	Gallup Dakota
Apache Federal	10 J	18-24N-5W	11-18-60	1808 MCF	6470 GL	6794	6544	Dakota
Abraham, Mike Jicarilla	2 E	27-24N-5W	5-13-60	1636 MCF	6611 GL	2302	2229	Pictured Cliffs
Kimbell, Kay Bolack	1 D	1-24N-6W	12-20-60	3357 MCF	6699 DF	7031	6764	Dakota
Skelly Oil Co. Farming "E" (Dual)	3 K	2-24N-6W	7-21-60	42 BO 3040 MCF	6487	6814	5514 6612	Gallup Dakota
Merrion, Edna W. (Trust) Edna	1 M	7-24N-6W	12-21-60	326 BO	6900 GL	6927	5882	Gallup
EPNG								
Can. Largo Unit	92 L	9-24N-6W	6-8-60	2685 MCF	6534 GL	2230	2144	Pictured Cliffs
Can. Largo Unit	103 E	10-24N-6W	9-20-60	P & A	6467 GL	2218		
Can. Largo Unit (Dual)	89 M	17-24N-6W	1-1-60	6058 MCF 1489 MCF	6558 GL	6656	5488 6416	Gallup Dakota
Can. Largo Unit	91 I	17-24N-6W	5-5-60	1692 MCF	6605 GL	2198	2098	Pictured Cliffs
Skelly Oil Co. Mexico Federal "C"	1 F	18-24N-6W	7-18-60	2821 MCF	6644	6730	5573	Dakota
Redfern & Herd Largo Spur	3 A	19-24N-6W	5-8-60	2443 MCF	6782 DF	6785	5540	Gallup
Pubco Petr. Corp. Otero Federal	4 G	23-24N-6W	5-27-60	464 MCF	6544 GL	2246	2099	Pictured Cliffs
EPNG								
Can. Largo Unit	98 D	26-24N-6W	5-13-60	587 MCF	6771 DF	2352		Pictured Cliffs
Reese, Val R. & Assoc. Zamora "29"	1 C	29-24N-6W	12-2-60	5125 MCF	6618	5585	5462	Gallup
EPNG								
Canyon Largo	97 A	2-24N-7W	4-4-60	515 MCF	6837 GL	2590	2455	Pictured Cliffs
Can. Largo Unit	96 G	3-24N-7W	5-11-60	835 MCF	6958 DF	2608	2506	Pictured Cliffs

COMPANY LEASE	WELL UNIT	S.T.R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
Compass Explr. Federal	1 P	7-24N-7W	6-23-60	2248 MCF	7330 GL	7331	7186	Dakota
Federal	1 F	8-24N-7W	9-18-60	P & A	7312 GL	7330		
Pan American Petr. Dashko "B"	1 H	11-24N-7W	8-31-60	94 BO	6842 GL	5990	5904	Gallup
Dashko "B"	1 P	11-24N-7W	5-18-60	319 BO	6935 GL	6051	5959	Gallup
McElvain, T. H. Miller "B"	2 L	12-24N-7W	7-5-60	295 BO	5948 GL	6024	5948	Gallup
Rutledge Drlg. Co. Miller "B"	4 P	12-24N-7W	12-31-60	31 BO	6929 GL	5960	5913	Gallup
McElvain, T. H. Miller "A" (Dual)	1 A	13-24N-7W	6-4-60	2870 MCF 475 MCF	6922 GL	6905	5758 6725	Gallup Dakota
Redfern & Herd Largo Spur "A"	1 L	14-24N-7W	11-8-60	1865 MCF	6849 GL	5850	5776	Gallup
Compass Exp. Inc. State	1 M	16-24N-7W	1-18-60	480 BO	7260 GL	6350	6070	Gallup
State	2 N	16-24N-7W	10-12-60	28 BO	7076 GL	6150	5905	Gallup
Reese, Val R. & Assoc. Bigbee "16"	1 O	16-24N-7W	9-18-60	210 BO	7073 GL	6000	5782	Gallup
Dorfman Prod. Co. Coleen Federal	1 J	17-24N-7W	5-6-60	245 BO	7308 DF	6213	6128	Gallup
Coleen Federal	2 L	17-24N-7W	5-24-60	618 BO	7190 DF	6103	5990	Gallup
Judy Federal	1 P	17-24N-7W	1-18-60	552 BO	7315 DF	7240	6100	Gallup
Judy Federal	2 K	17-24N-7W	8-26-60	300 BO	7203 GL	6125	6024	Gallup
Elizabeth Federal	1 H	18-24N-7W	8-7-60	260 BO	7267 DF	7230	6108	Gallup
Elizabeth Federal	2 C	18-24N-7W	10-18-60	403 BO	7140 DF	6065	5972	Gallup
Reese, Val R. & Assoc. Connie	2 D	21-24N-7W	4-18-60	504 BO	7281 GL	6250	6072	Gallup
Lybrook "22"	2 I	22-24N-7W	12-11-60	302 BO	6748 GL	5675	5378	Gallup
Stephenson "22"	1 D	22-24N-7W	10-8-60	342 BO	7140 GL	6060	5846	Gallup
Byrd "23"	1 A	23-24N-7W	11-21-60	2134 MCF	6733 GL	5684	5386	Gallup
Mesa (Dual)	1 D	25-24N-7W	6-5-60	1721 MCF 546 MCF	6710 GL	6557	5414 6264	Gallup Dakota
Connie	3 K	29-24N-7W	6-13-60	100 BO	7330 GL	7164	6008	Gallup
Kern County Land Co. Petro Federal	33 J	3-25N-1E	3-2-60	P & A	7061 GL	1055		
Royal Development Royal	1 H	3-25N-1E	9-13-60		7052 GL	1890	1137	Gallup
Kern County Land Co. Petro Federal	1 P	9-25N-1E	4-2-60	P & A		3164		
Royal Development Royal Harvey	1 E	10-25N-1E	5-22-60	7 BO	7142 GL	2664	2130	Gallup
Skelly Oil Co. Mexico Federal "H"	1 D	34-25N-3W	7-7-60	507 MCF	7200 DF	3647	3540	Pictured Cliffs
Aztec Oil & Gas Co. Jicarilla "A"	3 P	13-25N-4W	9-10-60	1921 MCF	7047 GL	3559	3497	Pictured Cliffs
EPNG Jicarilla "C"	8 M	16-25N-4W	6-1-60	1350 MCF	7220 GL	3682	3416	Pictured Cliffs
Jicarilla "E"	15 O	17-25N-4W	6-13-60	1003 MCF	7349 GL	3804	3720	Pictured Cliffs
Jicarilla "E"	16 G	17-25N-4W	6-20-60	1679 MCF	7460 DF	3946	3854	Pictured Cliffs
Jicarilla "E"	7 K	20-25N-4W	6-26-60	6203 MCF	7032 DF	3385	3282	Pictured Cliffs
Jicarilla "C"	9 G	21-25N-4W	5-25-60	577 MCF	7045 DF	3482	3408	Pictured Cliffs
Continental Oil Co. Jicarilla Apache (Triple)	1 J	22-25N-4W	12-11-60	55 BO 61 BO Shut In	7279 GL	8077	6990 7830 7766	Gallup Dakota Greenhorn

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Aztec Oil & Gas Co. Arizona Jicarilla	4 M	24-25N-4W	9-19-60	418 MCF	7043 GL	3496	3434	Pictured Cliffs
Continental Oil Co. Jicarilla Apache (Dual)	2 D	27-25N-4W	9-7-60	44 BO 88 BO	6975 GL	7738	7442 5852	Dakota Gallup
EPNG Jicarilla "D"	7 I	32-25N-4W	7-2-60	960 MCF	6801 GL	3063	2960	Pictured Cliffs
Jicarilla "B"	15 I	33-25N-4W	7-7-60	537 MCF	6936 GL	3264	3132	Pictured Cliffs
Jicarilla "B"	13 P	34-25N-4W	7-13-60	1497 MCF	6978 DF	3299	3218	Pictured Cliffs
Southern Union Jicarilla "K"	5 O	2-25N-5W	7-14-60	3749 MCF	6730 DF	3150	3063	Pictured Cliffs
Pan American Jic. Cont. 147	2 K	2-25N-5W	10-20-60	1613 MCF	6694 DF	7430	7074	Dakota
Jic. Cont. 147	1 A	8-25N-5W	1-29-60	1595 MCF	6747 GL	7530	7166	Dakota
Southern Union Jicarilla "K"	9 M	12-25N-5W	7-22-60	3922 MCF	7215 GL	3610	3539	Pictured Cliffs
Kimbell, Kay Jicarilla Apache	1 M	20-25N-5W	12-13-60	1637 MCF	6624 DF	7054	6954	Dakota
Jicarilla Tribal	1 D	29-25N-5W	11-19-60	1465 MCF	6546 DF	7097	6869	Dakota
Skelly Oil Co. Jicarilla "B"	21 D	32-25N-5W	2-22-60	2077 MCF	6734 DF	7251	6999	Dakota
EPNG Can. Largo Unit	90 A	1-25N-6W	5-21-60	1324 MCF	6650 DF	2923	2826	Pictured Cliffs
Can. Largo Unit	101 O	2-25N-6W	4-22-60	4320 MCF	6680 GL	2925	2794	Pictured Cliffs
Can. Largo Unit	93 A	12-25N-6W	5-26-60	497 MCF	6712 DF	2958	2820	Pictured Cliffs
Abraham, Mike Delta	2 N	21-25N-6W	9-24-60	456 MCF	6347	2420	2304	Pictured Cliffs
EPNG Can. Largo Unit	94 A	24-25N-6W	5-21-60	1525 MCF	6498 DF	2620	2495	Pictured Cliffs
Kern County Land Co McKenzie Federal	23 K	25-25N-6W	7-16-60	56 BO	6650 DF	6025	5908	Gallup
Kimbell, Kay Warren Federal	3 P	26-25N-6W	11-17-60	3487 MCF	6680 DF	7014	6826	Gallup
Coral Unit "27"	2 M	27-25N-6W	10-4-60	2450 MCF	6351 GL	6691	6447	Dakota
EPNG Can. Largo Unit	100 D	31-25N-6W	4-20-60	P & A	6871	2761		
Can. Largo Unit	102 C	32-25N-6W	4-25-60	2763 MCF	6792 GL	2707	2562	Pictured Cliffs
Can. Largo Unit (Dual)	95 B	36-25N-6W	6-23-60	82 BO 3502 MCF	6744 GL	7211	6160 6898	Gallup Dakota
Kern County Land Co. Harvey State "36"	22 F	36-25N-6W	8-7-60	26 BO	6780 GL	6375	6016	Gallup
Kimbell, Kay Liberman	1 P	5-25N-7W	9-1-60	1780 MCF	6417 GL	6888	6584	Dakota
EPNG Can. Largo Unit	99 M	36-25N-7W	3-29-60	2482 MCF	6613 GL	2386	2312	Pictured Cliffs
Intex Oil Co. USL Este	1 J	4-26N-1E	9-8-60	P & A	6959 GL	2235		
Penn Hijo	1 F	5-26N-1E	8-25-60	P & A	7102 GL	3433		
USL Alto	1 B	5-26N-1E	1-13-60	130 BO	7052 GL	1958	1928	Gallup
USL Bajo	1 F	9-26N-1E	3-15-60	130 BO	7057 GL	2357		Gallup
USL Casa	1 H	16-26N-1E	4-2-60	41 BO	7222 GL	2980	2140	Gallup
USL Fino	1 F	16-26N-1E	8-29-60	P & A	7266 GL	3606		Gallup
USL Gran	1 I	21-26N-1E	6-28-60	120 BO	7445 GL	3478		Greenhorn
Elliott, Kent Federal	1 O	23-26N-1E	12-20-60	TA	7384 GL	1530		

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Coral Oil & Gas Grevey	1 M	26-26N-1E	11-6-60	12 B0	7355 DF	2095		Sanastee
Intex Oil Co. Duro USL	1 C	27-26N-1E	5-3-60	13 B0	7301 GL	2663		Gallup
Cabot Carbon Corp. Humble Fed. "B"	M	16-26N-2W	9-16-60	P & A	7248 GL	6100		
Humble Fed. "A"	1 M	29-26N-2W	1-28-60	11000 MCF	7605 DF	4110	3978	Pictured Cliffs
Egan, John A. Gardner	1 J	29-26N-2W	11-11-60		7482	3951	3856	Pictured Cliffs
Mountain States Petr. Federal "F"	30 M	30-26N-2W	2-6-60	11400 MCF	7546 DF	4030	3950	Pictured Cliffs
Federal "E"	31 A	31-26N-2W	6-16-60	1100 MCF	7520 DF	3983	3909	Pictured Cliffs
Federal "B"	1 C	32-26N-2W	11-29-60	2239 MCF	7509 DF	3951	3882	Pictured Cliffs
Honolulu Oil Corp. Jicarilla "A"	2 P	25-26N-3W	9-21-60	680 MCF	7557 DF	4110	3967	Pictured Cliffs
Southern Union Gas Co. Jicarilla "D"	6 C	31-26N-3W	7-11-60	3786 MCF	7170 GL	3869	3735	Pictured Cliffs
Jicarilla "D"	7 I	31-26N-3W	7-25-60	4283 MCF	7300 GL	3975	3896	Pictured Cliffs
Jicarilla "A"	6 K	24-26N-4W	7-25-60	3679 MCF	7178 DF	3918	3806	Pictured Cliffs
Aztec Oil & Gas Jicarilla "B"	1 M	4-26N-5W	8-10-60	2630 MCF	6558 GL	3257	3203	Pictured Cliffs
Occidental Petr. West (Dual)	1 A	6-26N-5W	1-4-60	1491 MCF 3179 MCF	6543 GL	7600	7408 5218	Dakota Mesaverde
West	2 A	6-26N-5W	1-27-60	2533 MCF	6543 GL	3300	3180	Pictured Cliffs
Aztec Oil & Gas Jicarilla "B"	2 K	9-26N-5W	8-29-60	2922 MCF	7022 GL	3676	3606	Pictured Cliffs
Jicarilla "B"	3 M	10-26N-5W	8-30-60	2193 MCF	6911 GL	3580	3515	Pictured Cliffs
Caulkins Oil Co. Breech "L"	T-102 N	5-26N-6W	5-24-60	372 B0	6538 GL	6770	6728	Tocito
EPNG Rincon Unit (Dual)	150 A	6-26N-6W	1-1-60	1010 MCF 3629 MCF	6552 DF	7520	5144 7184	Mesaverde Dakota
Caulkins Oil Co. Breech "D"	D-140 A	11-26N-6W	2-7-60	6457 MCF	6588 GL	7700	7490	Dakota
EPNG NCRA	1 A	3-26N-7W	1-20-60	2800 MCF	6594 DF	7481	7256	Dakota
Pan American Petr. Jicarilla Tr. 237	1 M	29-27N-1E	11-12-60	P & A		1998		
EPNG San Juan Unit 27-4	24 L	6-27N-4W	10-13-60	6073 MCF	7015 DF	6267	6032	Mesaverde
San Juan Unit 27-4	25 M	30-27N-4W	10-17-60	5021 MCF	6769 DF	5944	5772	Mesaverde
San Juan Unit 27-4	26 M	31-27N-4W	9-27-60	2812 MCF	7362 DF	6460	6280	Mesaverde
San Juan Unit 27-4	27 N	33-27N-4W	9-9-60	4716 MCF	7207 DF	6373	6176	Mesaverde
San Juan Unit 27-5	55 A	1-27N-5W	6-11-60	1095 MCF	7330 DF	6560	5954	Mesaverde
San Juan Unit 27-5 (Dual)	52 M	4-27N-5W	8-19-60	1298 MCF 4687 MCF	6629 DF	5837	3464 5220	Pictured Cliffs Mesaverde
San Juan Unit 27-5 (Dual)	53 M	5-27N-5W	12-2-60	1706 MCF 3824 MCF	6670 DF	5840	3472 5218	Pictured Cliffs Mesaverde
San Juan Unit 27-5 (Dual)	49 A	18-27N-5W	10-31-60	1361 MCF 3323 MCF	6564 DF	5715	3312 5480	Pictured Cliffs Mesaverde
San Juan Unit 27-5 (Dual)	50 G	19-27N-5W	3-20-60	1519 MCF 1778 MCF	6422 DF	5550	3162 5306	Pictured Cliffs Mesaverde
San Juan Unit 27-5 (Dual)	51 K	28-27N-5W	4-11-60	908 MCF 2033 MCF	6467 DF	5608	3192 5353	Pictured Cliffs Mesaverde

COMPANY LEASE	WELL UNIT	S.T.R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
EPNG								
San Juan Unit 27-5 (Dual)	54 M	31-27N-5W	11-17-60	3142 MCF 2884 MCF	6497 DF	5550	3160 4886	Pictured Cliffs Mesaverde
San Juan Unit 27-5 (Dual)	56 L	34-27N-5W	9-4-60	1277 MCF 2347 MCF	6539 DF	5626	4874	Pictured Cliffs Mesaverde
San Juan Unit 28-6	98 A	3-27N-6W	9-30-60	P & A	6334 GL	7660		
San Juan Unit 28-6	89 O	9-27N-6W	6-3-60	1194 MCF	6448 DF	3285	3132	Pictured Cliffs
San Juan Unit 28-6	96 M	9-27N-6W	8-16-60	1164 MCF	6488 DF	3250	3136	Pictured Cliffs
San Juan Unit 28-6	95 M	15-27N-6W	8-10-60	1396 MCF	6501 DF	3247	3154	Pictured Cliffs
Rincon Unit (Dual)	135 B	29-27N-6W	1-13-60	1508 MCF 6054 MCF	6606 DF	7715	4848 7490	Mesaverde Dakota
Rincon Unit (Dual)	130 A	32-27N-6W	1-2-60	916 MCF 8456 MCF	6677 GL	7701	5368 7530	Mesaverde Dakota
San Juan Unit 28-7	118 K	12-27N-7W	9-13-60	1416 MCF	6604 DF	3289	3192	Pictured Cliffs
Rincon Unit	151 B	14-27N-7W	7-22-60	5036 MCF	6565 DF	7637	7360	Dakota
San Juan Unit 28-7	119 C	22-27N-7W	8-26-60	3767 MCF	6604 GL	3169	3058	Pictured Cliffs
Rincon Unit	136 A	23-27N-7W	2-8-60	5251 MCF	6628 DF	7697	7628	Dakota
Fields, Bert								
Federal	1 H	24-27N-7W	7-2-60	4718 MCF	6603 DF	7660	7350	Dakota
EPNG								
San Juan Unit 28-7	115 C	27-27N-7W	6-9-60	1918 MCF	6703 DF	3178	3068	Pictured Cliffs
San Juan Unit 28-7	120 P	29-27N-7W	9-1-60	4059 MCF	6643 GL	3027	2918	Pictured Cliffs
Tamanaco Oil Co.								
Pound Ranch "D"	26 D	26-28N-1E	7-22-60	P & A	7162 GL	2068		
EPNG								
Jicarilla Apache	84-2 K	21-28N-3W	9-13-60	P & A	6994 GL	8412		
San Juan Unit 28-4	26 L	18-28N-4W	8-20-60	3343 MCF	7521 GL	6898	6654	Mesaverde
San Juan Unit 28-5	39 A	24-28N-5W	7-26-60	2800 MCF	7412 GL	6783	6496	Mesaverde
San Juan Unit 28-5	46 G	25-28N-5W	11-3-60	1935 MCF	6775 GL	6109	5894	Mesaverde
San Juan Unit 28-5	40 B	27-28N-5W	5-24-60	3865 MCF	6929 DF	6168	5600	Mesaverde
San Juan Unit 28-5 (Dual)	44 M	27-28N-5W	9-10-60	3693 MCF 4833 MCF	6774 DF	8195	5762 7964	Mesaverde Dakota
San Juan Unit 28-5 (Dual)	42 K	31-28N-5W	6-14-60	4210 MCF 7467 MCF	6389 DF	7632	5356 7376	Mesaverde Dakota
San Juan Unit 28-5 (Dual)	41 A	32-28N-5W	5-21-60	7654 MCF 3991 MCF	6557 DF	7857	5536 7570	Mesaverde Dakota
San Juan Unit 28-5	47 B	36-28N-5W	11-17-60	4036 MCF	6746 DF	6015	5792	Mesaverde
San Juan Unit 28-6 (Dual)	97 B	35-28N-6W	7-3-60	4941 MCF 4723 MCF	6626 DF	5770	3382 5570	Pictured Cliffs Mesaverde
San Juan Unit 28-7	119 C	22-28N-7W	8-26-60	3767 MCF	6604 GL	3196	3058	Pictured Cliffs
San Juan Unit 29-5	47-4 L	4-29N-5W	8-2-60	1857 MCF	6455 DF	5768	5300	Mesaverde
San Juan Unit 29-5	48 L	15-29N-5W	8-24-60	3307 MCF	6780 DF	6149	5852	Mesaverde
San Juan Unit 29-6	64 G	9-29N-6W	7-12-60	5474 MCF	6517 DF	5825	5274	Mesaverde
San Juan Unit 29-6 (Dual)	35 M	15-29N-6W	9-19-60	3342 MCF 10009 MCF	6440 GL	7862	7688 5180	Dakota Mesaverde
San Juan Unit 29-6	65 A	19-29N-6W	6-23-60	4432 MCF	6459 DF	5687	5504	Mesaverde
San Juan Unit 29-7	75 G	23-29N-7W	6-5-60	5278 MCF	6227 GL	5450	5244	Mesaverde
San Juan Unit 30-4	31 D	14-30N-4W	11-12-60	P & A	7025 DF	4130		
San Juan Unit 30-4	33 L	31-30N-4W	7-10-60	5328 MCF	7472 DF	6930	6438	Mesaverde
San Juan Unit 30-4	32 A	33-30N-4W	9-26-60	P & A	7405 DF	4452		
San Juan Unit 30-5	29 G	14-30N-5W	6-6-60	3912 MCF	6662 DF	6065	5784	Mesaverde
San Juan Unit 30-5	30 L	21-30N-5W	5-2-60	2903 MCF	6549 DF	5919	5476	Mesaverde
San Juan Unit 30-5	32 A	26-30N-5W	5-14-60	1816 MCF	7127 DF	6458	6244	Mesaverde
San Juan Unit 30-5	31 L	27-30N-5W	5-17-60	2578 MCF	6543 DF	5890	5584	Mesaverde
San Juan Unit 31-6	17 N	1-30N-6W	8-28-60	5227 MCF	6427	5851	5508	Mesaverde
San Juan Unit 31-6	18 K	3-30N-6W	6-29-60	5179 MCF	6272 DF	5725	5476	Mesaverde
San Juan Unit 31-6	14 M	5-30N-6W	6-9-60	3743 MCF	6287 DF	5687	5432	Mesaverde
San Juan Unit 30-6	33 N	8-30N-6W	8-12-60	2366 MCF	6301 DF	5677	5472	Mesaverde
San Juan Unit 30-6	34 M	10-30N-6W	7-28-60	3187 MCF	6175 DF	5555	5308	Mesaverde
San Juan Unit 30-6	35 A	24-30N-6W	9-18-60	907 MCF	6305 DF	5697	5318	Mesaverde
Great American Oil Co.								
Sargent, John Estate	2 O	33-31N-2E	11-2-60	P & A	7764 GL	1076		
Sargent, John Estate	1 N	33-31N-3E		TA	7929 GL	1401		
Pasternak, Irving								
Santa Fe	40 E	11-31N-5W	12-8-60	3560 MCF	6813 GL	8531	8358	Dakota

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EPNG								
San Juan Unit 31-6	19 A	32-31N-6W	5-23-60	2340 MCF	6335 GL	5803	5438	Mesaverde
La Plata Gathering System								
San Juan Unit 32-5 (Dual)	1 A	31-32N-5W	10-13-60	3389 MCF 906 MCF	6656 GL	8369	8184	Mesaverde Dakota
San Juan Unit 32-5	1 N	23-32N-6W	12-14-60	6095 MCF	6332 DF	8080	7834	Dakota
San Juan Unit 32-5	1 M	24-32N-6W	11-23-60	6489 MCF	6336 GL	8110	7867	Dakota
San Juan Unit 32-5 (Dual)	2 B	25-32N-6W	11-14-60	5441 MCF 984 MCF	6403 DF	8118	5451 7894	Mesaverde Dakota
San Juan Unit 32-5 (Dual)	2 H	26-32N-6W	8-15-60	4177 MCF 3389 MCF	6358 DF	8073	5436 7855	Mesaverde Dakota
<u>ROOSEVELT COUNTY</u>								
Gulf Oil Corp. Elida Unit	1 H	10-6S-32E	4-27-60	P & A	4461 DF	7917		
Brown, H.L. & Clem E. Gjeoge Federal	5 L	27-7S-37E	7-4-60	TA	4010	9265		
The Ohio Oil Co. Keller, J. A. Est.	1 C	21-7S-38E	5-16-60	P & A	3995 DF	10607		
Shell Oil Co. Collins Federal	1 J	19-8S-34E	10-27-60	P & A	4320 DF	9540		
French, L. R., Jr. Shearn Federal	1 P	13-8S-36E	6-16-60	F 480 BO	4073	9680	9648	Pennsylvanian
Cosden Petr. Corp. Federal "C"	1 G	20-8S-36E	9-19-60	F 1128 BO	4124	9900	9653	Pennsylvanian
Lone Star Federal	1 I	20-8S-36E	11-23-60	F 1093 BO	4121 DF	9785	9651	Pennsylvanian
Ohio Oil Co. Hatch, Hubert S.	1 C	20-8S-36E	12-18-60	F 344 BO	4130 DF	9790	9704	Pennsylvanian
French, L. R., Jr. & Trebol Morden Federal	1 H	24-8S-36E	2-13-60	F 209 BO	4078 DF	9700	9628	Pennsylvanian
Roden, Bill Reid	1 N	24-8S-36E	3-9-60	P & A	4064 DF	9782		
Pebsworth	1 H	25-8S-36E	3-9-60	P & A	4064 DF	9786		
Shell Oil Co. Shearn Federal	1 B	25-8S-36E	4-12-60	F 307 BO	4073 DF	9721	9630	Pennsylvanian
Cosden Petr. Corp. Federal "D"	1 B	29-8S-36E	11-17-60	F 380 BO	4116 DF	9760	9700	Pennsylvanian
Featherstone	1 N	31-8S-36E	5-4-60	P & A	4130 DF	9880		
Gulf Oil Corp. Federal Goode	1 N	35-8S-36E	2-3-60	P 92 BO	4075 DF	9810	9714	Pennsylvanian
The Atlantic Rfg. Co. State "AE"	3 N	36-8S-36E	2-1-60	F 336 BO	4057 DF	9750	9648	Pennsylvanian
Nearburg & Ingram Atlantic	1 P	36-8S-36E	9-11-60	F 480 BO	4057 DF	9700	9627	Pennsylvanian
Shell Oil Co. Shell State BUA	1 N	16-8S-37E	8-13-60	P & A	4041 DF	9460		
Ohio Oil Co. W.A.Maupin Est.	2 N	18-8S-37E	8-28-60	F 276 BO	4063 DF	9584	9422	Pennsylvanian
Nearburg & Ingram Saiken Federal	1 J	19-8S-37E	3-25-60	F 360 BO	4057	9610	9524	Pennsylvanian

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Nearburg & Ingram								
Saiken Federal	2 L	19-8S-37E	4-13-60	F 312 BO	4070 DF	9670	9588	Pennsylvanian
Saiken Federal	3 P	19-8S-37E	6-3-60	F 352 BO		9620	9528	Pennsylvanian
Ohio Oil Co.								
Maupin, W. A. Est.	1 F	19-8S-37E	4-23-60	F 258 BO	4061 DF	9550	9511	Pennsylvanian
Basham, Milton etal	1 D	19-8S-37E	6-9-60	F 280 BO	4065 DF	9567	9536	Pennsylvanian
Roden, Bill								
Hays Federal	1 N	19-8S-37E	2-8-60	F 201 BO	4064 DF	9716	9578	Pennsylvanian
Shell Oil Co.								
Matthews	1 H	19-8S-37E	2-6-60	F 383 BO	4050 DF	9600	9490	Pennsylvanian
Matthews	2 B	19-8S-37E	4-3-60	F 330 BO	4058 DF	9620	9454	Pennsylvanian
Ohio Oil Co.								
McGrail Federal	4 L	20-8S-37E	3-16-60	F 297 BO	4051 DF	9532	9506	Pennsylvanian
McGrail Federal	5 N	20-8S-37E	7-26-60	F 263 BO	4051 DF	9566	9518	Pennsylvanian
Silver Federal "A"	2 P	20-8S-37E	9-16-60	F 264 BO	4023 DF	9502	9471	Pennsylvanian
Federal Silver "D"	1 N	21-8S-37E	8-7-60	F 231 BO	4061 DF	9509	9476	Pennsylvanian
King Davis Federal	1 D	28-8S-37E	5-28-60	F 275 BO		9516	9484	Pennsylvanian
King Davis Federal	2 F	28-8S-37E	10-25-60	F 304 BO	4057 DF	9544	9508	Pennsylvanian
Nearburg & Ingram								
Anderson Federal	1 B	29-8S-37E	10-14-60	F 480 BO	4043 DF	9620	9525	Pennsylvanian
Anderson Federal	2 H	29-8S-37E	12-11-60	F 617 BO	4040 DF	9625	9528	Pennsylvanian
Ohio Oil Co.								
Hayes, Harry L., etal	1 D	29-8S-37E	12-16-60	F 349 BO	4050 DF	9569	9533	Pennsylvanian
Coastal St. Gas. Prod. Co.								
Hayes Federal	1 J	30-8S-37E	11-18-60	F 646 BO	4048 DF	9660	9590	Pennsylvanian
Hayes Federal	2 P	30-8S-37E	12-28-60	F 553 BO	4044 DF	9658	9579	Pennsylvanian
Skelly Oil Co.								
Las Cruces "B"	1 D	30-8S-37E	5-14-60	F 700 BO	4056 DF	9660	9593	Pennsylvanian
Las Cruces "B"	2 B	30-8S-37E	8-29-60	F 578 BO	4057 DF	9630	9567	Pennsylvanian
Las Cruces "B" Fed.	3 H	30-8S-37E	10-10-60	F 1024 BO	4049 DF	9633	9581	Pennsylvanian
Las Cruces "B"	4 F	30-8S-37E	12-6-60	F 1044 BO	4051 DF	9654	9584	Pennsylvanian
Yates Drlg. Co.								
Lillie M. Yates	1 N	31-8S-37E	11-20-60	F 672 BO	4050 DF	9690	9610	Pennsylvanian
<u>SANDOVAL COUNTY</u>								
Ohio Oil Co.								
Ohio Gov't Haines	1 M	20-15N-1E	12-24-60	P & A	5761 GL	6190		
Harvey, Francis L.								
Clyde Harvey-Federal	1 K	21-18N-3W	5-5-60	84 BO	6740	1040		Mancos
Harvey, J. I.								
Terry Federal	1 P	28-18N-3W	12-23-60	TA	6695 DF	905		
Westates Petr.								
Bond, Etal	1 P	35-20N-3E	7-13-60	P & A	8697 GL	3675		
Florance, M. J.								
Florance-Humble	1 E	5-22N-2W	9-21-60	TA	7384 DF	3900		
Stromberg	6 X C	34-23N-3W	10-60	P & A	7291	1999		
Florance, D. E.								
Stromberg	6 Y C	34-23N-3W	10-15-60	3724 MCF	7291 GL	2940		Pictured Cliffs
<u>SAN JUAN COUNTY</u>								
McGlothlin, Ray								
Federal	1 F	22-21N-8W	6-16-60	P & A	6614 DF	3800		
Century Drlg. Co.								
Royal Red	1 M	3-24N-8W	8-16-60	141 BO	6945 GL	6830		Gallup

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Mountain States Patricia	1 M	5-24N-8W	6-30-60	P & A	6759 DF	2018		
Century Exploration Mobil Federal 6	1 D	6-24N-8W	12 19-60	P & A	6652 GL	6582		
Smith, Ray, Trustee Federal	1 I	13-24N-8W	8-12-60	P & A	7075 DF	5950		
Federal	2 A	13-24N-8W	11-22-60	121 BO	7103 DF	6024	5926	Gallup
Sears, H. F. Navajo	1 A	5-24N-10W	11-28-60	44 MCF	6868 GL	5426	5262	Gallup
Skelly Oil Co. Mexico Federal J	1 F	17-25N-8W	9-7-60	147 BO	6433	6645	6302	Dakota
Texas National Petr. Gov't	1 D	1-25N-9W	6-5-60	P & A	6460 GL	6623		
Brannon, M. J., Jr. Federal	1 P	20-25N-9W	4-21-60	2200 MCF	6643 DF	6505	6366	Dakota
Shell Oil Co. Carson Unit	24 N	17-25N-11W	3-1-60	24 BO	6386 GL	5025	4870	Gallup
Carson Unit	13 L	18-25N-11W	3-7-60	25 BO	6348 GL	5040	4874	Gallup
Carson Unit	22 F	18-25N-11W	1-25-60	6 BO	6357 GL	5025	4881	Gallup
Carson Unit	31 B	18-25N-11W	2-4-60	12 BO	6393 DF	5070	4920	Gallup
Carson Unit	44 P	18-25N-11W	2-23-60	169 BO	6410 GL	5060	4887	Gallup
Carson Unit	22 F	19-25N-11W	3-17-60	167 BO	6438 GL	5030	4868	Gallup
Carson Unit	11 D	20-25N-11W	3-9-60	69 BO	6449 GL	5055	4906	Gallup
Carson Unit	31 B	13-25N-12W	1-9-60	85 BO	6360 GL	5025	4878	Gallup
Carson Unit	22 F	14-25N-12W	2-14-60	103 BO	6289 GL	4930	4763	Gallup
Carson Unit	31 B	24-25N-12W	3-27-60	196 BO	6429 GL	5030	4876	Gallup
Gulf Oil Corp. Pinebete-Navajo	1 C	3-25N-14W	4-10-60	P & A	6264 GL	5319		
Drlg. & Coring Expl. Navajo	4 H	8-25N-19W	1-9-60	P & A	6108 GL	549		
Navajo	3 O	9-25N-19W	1-4-60	D & A	6049 GL	367		
Kinney, Stephen H. Federal	1 A	3-26N-8W	8-22-60	344 MCF	6219 GL	2294	2202	Pictured Cliffs
Hale, H. D. Consolidated (Dual)	1 B	24-26N-8W	11-15-60	772 MCF 3090 MCF	6807 GL	7242	2700 6994	Pictured Cliffs Dakota
EPNG Huerfanito Unit	60 M	4-26N-9W	11-19-60	4643 MCF	6405 DF	6760	6534	Dakota
Turner, J. Glenn Huerfanito Unit	61 G	4-26N-9W	12-30-60	1986 MCF	6446 DF	6800	6545	Dakota
EPNG Huerfano Unit (Dual)	116 C	11-26N-10W	10-28-60	2994 MCF 8 BO	6680	7030	6840 5996	Dakota Gallup
Huerfano Unit	115 C	12-26N-10W	10-9-60	2874 MCF	6658 GL	7008	6748	Dakota
Huerfano Unit	120 C	25-26N-10W	9-27-60	5896 MCF	6619 GL	6834	6646	Dakota
Western Pool Unit B	1 H	8-26N-11W	6-16-60	8356 MCF	6257 DF	6399	6166	Dakota
Texas National Petr. Moncrief State	1 P	16-26N-11W	10-15-60	3451 MCF	6364 GL	6237	6126	Dakota
El Paso Products Co. Delhi-Taylor	5 A	17-26N-11W	6-2-60	7334 MCF	6233 DF	6330	6062	Dakota
Gulf Oil Corp. Blackrock Fed. "C"	1 C	21-26N-11W	7-29-60	10,100 MCF	6205 GL	6130	6080	Dakota
Skelly Oil Co. Davis (Dual)	2 L	26-26N-11W	8-14-60	39 BO 890 MCF	6324	6302	5176 6057	Gallup Dakota

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Delhi-Taylor Oil Corp. Drolet	1 I	28-26N-11W	1-15-60	2310 MCF	6175 GL	6140	5926	Dakota
Sunray Mid-Continent Federal "G"	1 A	32-26N-13W	1-6-60	P & A	6337 DF	6050		
EPNG								
Senges PU	1 P	2-27N-8W	6-3-60	197 MCF	6639 GL	3120	2982	Pictured Cliffs
Filan (Dual)	5 M	5-27N-8W	6-1-60	1433 MCF	6243 DF	7035	4710	Mesaverde
				3536 MCF			6782	Dakota
Day "B"	6 F	7-27N-8W	2-2-60	2418 MCF	6784 DF	3001	2882	Pictured Cliffs
Pool, Florance "U"	1 K	18-27N-8W	11-13-60	5325 MCF	6229 DF	4760	4556	Mesaverde
R. & G. Drilling Hammond	47 K	35-27N-8W	10-12-60	1000 MCF	6213 GL	6838	4527	Mesaverde
EPNG								
Blanco Develop.	3 M	1-27N-9W	9-29-60	3225 MCF	6064 DF	4668	4457	Mesaverde
Aztec Oil & Gas								
Hanks "D"	17 N	5-27N-9W	11-12-60	3368 MCF	6511 GL	7145	6932	Dakota
Hanks "D" (Dual)	18 B	5-27N-9W	9-17-60	1433 MCF	7109 GL	7730	3178	Pictured Cliffs
				1662 MCF			7566	Dakota
Hanks "D"	11 L	7-27N-9W	6-9-60	3258 MCF	6188 GL	6768	6510	Dakota
Hanks "D" (Dual)	12 H	7-27N-9W	7-10-60	5327 MCF	6524 GL	7053	6950	Dakota
				1783 MCF			2502	Pictured Cliffs
Whitley	4 H	8-27N-9W	5-24-60	1966 MCF	6304 GL	2366	2302	Pictured Cliffs
Whitley	3 C	9-27N-9W	5-14-60	2767 MCF	6242 GL	2315	2259	Pictured Cliffs
EPNG								
Blanco Develop. 27-9	4 M	12-27N-9W	10-17-60	4202 MCF	6001 DF	4552	4332	Mesaverde
Skelly Oil Co. Charles, John (Dual)	7 N	13-27N-9W	6-2-60	3314 MCF 950 MCF	6017 DF	6680	4290 6374	Mesaverde Dakota
Turner, J. G. & Webb, W. G. Turner-McAdams	2 D	20-27N-9W	8-27-60	3629 MCF	6393 DF	6968	6698	Dakota
Pan American Galt, M. N.	1-H L	1-27N-10W	3-3-60	1235 MCF	6061 KB	6645	6425	Dakota
Sunset Inter. Petr. SIPCO-Kutz "J"	1 H	1-27N-10W	4-13-60	TA	6330 GL			
Aztec Oil & Gas Hanks "D" (Dual)	13 A	12-27N-10W	8-13-60	2012 MCF 4172 MCF	6349 GL	7010	2284 6668	Pictured Cliffs Dakota
EPNG								
Huerfano Unit (Dual)	101 F	19-27N-10W	10-15-60	29 BO 6753 MCF	5891 GL	6340	5336 6078	Gallup Dakota
Gordon "A"	2 P	24-27N-10W	12-18-60	2518 MCF	6525 GL	7051	6764	Dakota
Huerfano Unit (Dual)	113 C	33-27N-10W	11-11-60	2127 MCF	6107 DF	6548	5678	Gallup
				802 MCF			6286	Dakota
Angel Peak	1 M	2-27N-11W	9-12-60	8422 MCF	6054 GL	6550	6340	Dakota
Tennessee Gas Trans. Bolack Gas Ut. "A" (Dual)	1 B	2-27N-11W	7-21-60	104 BO 8758 MCF	5950 GL	6490	5775 6302	Gallup Dakota
Western Natural Gas Schlosser Federal (Dual)	2 M	3-27N-11W	10-22-60	95 BO	6210 GL	6780	5952 6596	Gallup Dakota
EPNG								
Frontier "B"	4 M	4-27N-11W	7-10-60	240 BO	6173 DF	6039	5869	Gallup
Frontier PU "E" (Dual)	1 O	4-27N-11W	6-10-60	96 BO 4563 MCF	6191 DF	6753	5897 6545	Gallup Dakota
Frontier "C"	3 E	5-27N-11W	6-26-60	100 BO	6092 DF	6005	5800	Gallup
Frontier "C"	4 G	5-27N-11W	8-7-60	200 BO	6091 DF	5986	5812	Gallup

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Southwest Production Co.								
Graham Federal	1 A	6-27N-11W	12-17-60	208 BO	6017 GL	5915	5732	Gallup
Holloway Federal	1 G	6-27N-11W	7-4-60	4149 MCF	6042 GL	6543	6314	Dakota
Holloway Federal	3 K	6-27N-11W	8-3-60	3702 MCF	6076 GL	6532	6352	Dakota
Holloway Federal	4 G	7-27N-11W	8-16-60	3207 MCF	6098 GL	6557	6315	Dakota
Holloway Federal	5 M	7-27N-11W	9-8-60	4365 MCF	6135 GL	6596	6348	Dakota
Frontier Refg. Co.								
Schwerdtfeger "D"	2 I	8-27N-11W	12-15-60	1519 MCF	6170 GL	6594	6444	Dakota
EPNG								
Frontier "B"	5 A	9-27N-11W	8-8-60	158 BO	6227 DF	6078	5923	Gallup
British American								
Fullerton Gov't (Dual)	6 E	11-27N-11W	5-30-60	18 BO	6077 GL	6627	5778	Gallup
Fullerton Gov't	7 B	11-27N-11W	12-14-60	4150 MCF 1560 MCF	6129 GL	6645	6417 6447	Dakota Dakota
Frontier Refg. Co.								
Bolack "D"	2 N	15-27N-11W	10-26-60	1540 MCF	6310 GL	6650	6514	Dakota
Bolack "D"	1 H	16-27N-11W	10-8-60	3120 MCF	6267 DF	6637	6508	Dakota
Schwerdtfeger "D"	1 P	17-27N-11W	11-10-60	2148 MCF	6229 GL	6586	6448	Dakota
Southwest Production								
Holloway Federal	2 G	18-27N-11W	7-18-60	3086 MCF	6127 GL	6510	6390	Dakota
Holloway Federal	6 K	18-27N-11W	9-13-60	2051 MCF	6128 GL	6524	6348	Dakota
Texaco, Inc.								
Navaajo Tr. "AA" (Dual)	1 P	19-27N-11W	2-21-60	684 MCF 4926 MCF	6205 DF	6540	1785 6356	Pictured Cliffs Dakota
Frontier Refg. Co.								
Bolack "D"	3 B	21-27N-11W	12-31-60	2863 MCF	6318	6640	6512	Dakota
Southwest Production								
Edgar Federal	2 G	1-27N-12W	10-15-60	3469 MCF	6050 GL	6537	6410	Dakota
Edgar Federal	3 N	1-27N-12W	10-31-60	3222 MCF	6022 GL	6436	6324	Dakota
Fundingsland, E. L.								
Tidal	1 I	9-27N-12W	1-22-60	318 MCF	5786 GL	1442	1354	Pictured Cliffs
Southwest Production								
Edgar Federal	5 G	11-27N-12W	11-16-60	3033 MCF	5965 GL	6280	6220	Dakota
Edgar Federal	1 G	12-27N-12W	9-29-60	1178 MCF	6065 GL	6504	6299	Dakota
Randel Federal	1 D	13-27N-12W	9-19-60		6049 GL	6311	6230	Dakota
Edgar Federal	4 J	15-27N-12W	12-3-60	5525 MCF	5901 GL	6210	6038	Dakota
Wright State	1 A	16-27N-12W	9-6-60	4986 MCF	5803 GL	6090	5900	Dakota
Warren Federal	1 A	17-27N-12W	6-17-60	3268 MCF	5758 GL	6030	5834	Dakota
Collier Federal	1 L	18-27N-12W	7-20-60	1389 MCF	5835 GL	6040	5814	Dakota
Morgan Federal	1 J	36-27N-12W	3-7-60	200 MCF	6014 GL	6228	6036	Dakota
Rummel Federal	1 D	36-27N-12W	4-29-60	64 BO	5977 GL	6260	5116	Gallup
Southern Union								
Navaajo "D"	1 F	1-27N-13W	7-25-60	6329 MCF	5844 GL	6179	5964	Dakota
Pan American Petr.								
Charley Hosh	1 B	12-27N-13W	6-19-60	7025 MCF	5811 KB	6090	5947	Dakota
Campass Exploration								
Federal 23	1 A	23-27N-13W	12-31-60	2918 MCF	5944 DF	6150	5890	Dakota
Delhi-Taylor Oil Corp.								
Delhi-Florance "B"	1 N	19-28N-8W	9-8-60	870 MCF	5784 GL	6752	6470	Dakota
Delhi-Florance "B"	2 L	30-28N-8W	8-7-60	4529 MCF	5872 GL	6780	6556	Dakota
EPNG								
Florance "C"	7 E	30-28N-8W	2-28-60	3832 MCF	5808 DF	2191	2088	Pictured Cliffs
Delhi-Tyalor								
McCulley	1 K	14-28N-9W	7-30-60	7118 MCF	5958 GL	6910	6722	Dakota

COMPANY LEASE	WELL UNIT	S.T.R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
Delhi-Taylor Michener	1 M	15-28N-9W	8-15-60	3285 MCF	6023 GL	6950	6673	Dakota
EPNG Wright Pool Unit	1 I	16-28N-9W	11-1-60	1644 MCF	6244 GL	2630	2521	Pictured Cliffs
Aztec Oil & Gas Reid	15 D	18-28N-9W	4-22-60	3300 MCF	5718 GL	2020	1944	Pictured Cliffs
Reid	16 L	18-28N-9W	4-29-60	4386 MCF	5788 GL	2054	1978	Pictured Cliffs
Reid "D"	18 K	18-28N-9W	10-5-60	5620 MCF	5744 GL	6507	6322	Dakota
Reid "D"	19 B	18-28N-9W	10-18-60	4399 MCF	5790 GL	6652	6432	Dakota
Reid	17 E	19-28N-9W	5-2-60	3319 MCF	5854 GL	2107	2020	Pictured Cliffs
Reid "D"	20 A	19-28N-9W	11-7-60	4647 MCF	5799 GL	6641	6422	Dakota
Reid "D"	21 L	19-28N-9W	11-8-60	6895 MCF	5906 GL	6666	6402	Dakota
Delhi-Taylor Lackey	2 K	20-28N-9W	8-10-60	5969 MCF	5855 GL	6680	6412	Dakota
Lackey	1 N	21-28N-9W	8-30-60	3202 MCF	6345 GL	7215	6978	Dakota
McCulley	2 N	24-28N-9W	8-17-60	1465 MCF	6072 GL	6985	6730	Dakota
EPNG Warren	6 O	24-28N-9W	3-14-60	3743 MCF	5845 DF	2250	2134	Pictured Cliffs
Warren "A"	3 F	25-28N-9W	2-23-60	1652 MCF	5997 DF	2369	2248	Pictured Cliffs
Delhi-Taylor Delhi-Daum	1 K	32-28N-9W	9-2-60	5043 MCF	6104 GL	6750	6498	Dakota
Delhi-Storey	1 M	33-28N-9W	9-23-60	3241 MCF	7038 GL	7730	7460	Dakota
Pan American Petr. Day Gas Unit	1 P	7-28N-10W	11-8-60	4653 MCF	5844 DF	6573	6452	Dakota
Southern Unit Zachry	14 M	10-28N-10W	10-31-60	4122 MCF	5811 GL	6630	6354	Dakota
Aztec Oil & Gas McClanahan "D"	18 A	13-28N-10W	8-12-60	5500 MCF	5689 GL	6450	6272	Dakota
McClanahan "D"	20 N	13-28N-10W	9-1-60	5866 MCF	5710 GL	6410	6230	Dakota
McClanahan "D"	15 N	14-28N-10W	7-7-60	12534 MCF	5816 GL	6483	6310	Dakota
McClanahan "D"	19 G	14-28N-10W	8-25-60	7371 MCF	5646 GL	6405	6190	Dakota
Cain "D"	10 M	15-28N-10W	5-1-60	10076 MCF	5877 GL	6570	6448	Dakota
Cain "D"	11 A	15-28N-10W	6-17-60	8087 MCF	5838 GL	6600	6357	Dakota
Cain "D"	9 K	16-28N-10W	4-8-60	9448 MCF	5804 GL	6453	6348	Dakota
Sunset International SIPCO-Kutz Fed. 18	10 G	18-28N-10W	12-22-60	4584 MCF	5853 GL	6567	6345	Dakota
Aztec Oil & Gas Newman "B"	6 M	19-28N-10W	2-28-60	6204 MCF	5928 DF	6511	6344	Dakota
Newman "A"	8 H	19-28N-10W	2-8-60	15974 MCF	5917 GL	6514	6430	Dakota
Sunset International SIPCO-Kutz Fed. 20	11 N	20-28N-10W	12-2-60	6808 MCF	6025	6630	6514	Dakota
SIPCO-Kutz Fed. 21	12 M	21-28N-10W	11-14-60	8904 MCF	6071 GL	6723	6570	Dakota
Pan American Petr. Davidson "H"	1 H	22-28N-10W	5-10-60	8578 MCF	5994 GL	6662	6503	Dakota
Aztec Oil & Gas Co. McClanahan "D"	14 F	23-28N-10W	5-26-60	11656 MCF	5926 GL	6585	6546	Dakota
McClanahan "D"	16 L	24-28N-10W	7-25-60	7550 MCF	5771 GL	6440	6236	Dakota
McClanahan "D"	17 A	24-28N-10W	8-3-60	5018 MCF	5856 GL	6595	6376	Dakota
Sunset Int. Petr. Corp. Kutz Federal 33	13 K	33-28N-10W	10-16-60	3896 MCF	6106 DF	6730	6550	Dakota
Pubco Petr. McLeod	2 L	34-28N-10W	2-25-60	6634 MCF	6040 DF	6666	6394	Dakota
Aztec Oil & Gas Co. Aztec	7 I	14-28N-11W	3-27-60	10947 MCF	5699 GL	6395	6172	Dakota

COMPANY LEASE	WELL UNIT	S.T.R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
Ohio Oil Co. Ohio Gov't 15	2 P	15-28N-11W	11-30-60	4980 MCF	5517 GL	6225		Dakota
Southern Union Gas Co. Federal Eaton	1 A	15-28N-11W	12-7-60	4120 MCF	5489 GL	6255	6014	Dakota
Redfern & Herd, Inc. Ohio	1 C	22-28N-11W	4-7-60	6708 MCF	5628 DF	6320	6110	Dakota
Ohio Oil Co. Ohio Aztec Gov't	2 I	23-28N-11W	12-21-60	7081 MCF	5769 GL	6450	6204	Dakota
Ohio Gov't 26	2 E	26-28N-11W	9-17-60	9051 MCF	5582 DF	6249	5970	Dakota
Ohio Gov't	3 P	26-28N-11W	10-14-60	5647 MCF	5597 GL	6236	5990	Dakota
Pan American Petr. Gallegos Can. Unit	88 O	31-28N-11W	8-17-60	65 BO	6032 GL	5925	5764	Gallup
Western Natural Gas Kraus Federal (Dual)	1 M	32-28N-11W	1-11-60	130 BO 3646 MCF	6035 GL	6640	5848 6328	Gallup Dakota
Pan American Petr. Pipkin	5 B	36-28N-11W	5-3-60	5273 MCF	5691	6245	6153	Dakota
USA Pipkin	6 M	36-28N-11W	10-28-60	7980 MCF	5728	6275	6159	Dakota
Gallegos Can. Unit	85 A	19-28N-12W	8-14-60	5496 MCF	5684 GL	6230	6005	Dakota
Holder, C. J.	2 N	8-28N-13W	11-20-60	180 BO	5975	5810	5675	Gallup
Holder, C. J.	3 P	8-28N-13W	12-27-60	232 BO	6049 DF	5824	5736	Gallup
Aztec Oil & Gas Co. Robinson "D"	3 M	15-28N-13W	10-19-60	767 MCF	6078 GL	6500	6332	Dakota
Robinson "G"	5 P	15-28N-13W	11-2-60	189 BO	6083	5860	5748	Gallup
Robinson "G"	6 J	15-28N-13W	11-14-60	120 BO	6080 GL	5852	5740	Gallup
Robinson "G"	7 N	15-28N-13W	11-26-60	183 BO	6091 GL	5830	5751	Gallup
Pan American State "CA"	1 L	16-28N-13W	11-23-60	169 BO	6068 DF	5860	5683	Gallup
Benson-Montin-Greer Jones "A"	1 N	17-28N-13W	5-19-60	25 BO	5992 DF	5700	5604	Gallup
Jones	3 F	17-28N-13W	7-22-60	138 BO	6023 DF	5750	5618	Gallup
Jones	4 D	17-28N-13W	8-18-60	164 BO	5977 GL	5702	5558	Gallup
Jones	5 H	17-28N-13W	8-4-60	144 BO	6076 DF	5825	5684	Gallup
Jones	6 B	17-28N-13W	8-29-60	156 BO	6059 GL	5824	5684	Gallup
Anderson-Prichard Federal	3 P	6-29N-8W	7-29-60	1556 MCF	6397 GL	3151	3058	Pictured Cliffs
Pan American Petr. State Gas Ut. "Y"	1 O	2-29N-9W	9-21-60	1181 MCF	6383 DF	3100	3019	Pictured Cliffs
Valencia "GU"	1 J	18-29N-9W	1-17-60	3483 MCF	5554 DF	4402	3659	Mesaverde
Aztec Oil & Gas Hare "D"	14 K	10-29N-10W	10-11-60	2910 MCF	5823 GL	6848	6648	Dakota
Turner, J. Glenn Turner-Hubbel	1 N	17-29N-10W	12-11-60	10222 MCF	5764 GL	6732	6511	Dakota
Turner-Wood	2 H	17-29N-10W	12-19-60	2820 MCF	5735 DF	6738	6535	Dakota
Tidewater Oil Co. Hanley	1 F	18-29N-10W	12-1-60	4257 MCF	5606 GL	6783	6408	Dakota
Tennessee Gas Trans. Payne Gas Unit "A"	1 C	19-29N-10W	7-19-60	3753 MCF	5515 GL	6453	6280	Dakota
Tidewater Oil Co. N. M. Fed. Deep Unit	1 A	19-29N-10W	12-24-60	9886 MCF	5573 GL	6567	6282	Dakota
Southern Union Gas Zachry	13 N	33-29N-10W	1-27-60	2098 MCF	5796 DF	2100	1856	Pictured Cliffs
Southwest Production Corp. Zachary Fed.	1 L	34-29N-10W	1-31-60	6592 MCF	5707 GL	6622	6340	Dakota

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EPNG Lloyd "B"	2 K	1-29N-11W	2-21-60	1833 MCF	5876 DF	2292	2182	Pictured Cliffs
Pubco Petr. Federal "B"	6 B	6-29N-11W	10-14-60	4624 MCF	5813 GL	6680	6458	Dakota
International Oil Co. Fogelson	1 E	10-29N-11W	9-17-60	5327 MCF	5723 GL	6740	6434	Dakota
Fogelson	1 E	11-29N-11W	12-16-60	3599 MCF	5628 DF	6670	6364	Dakota
EPNG Bloomfield	1 A	17-29N-11W	9-5-60	6244 MCF	5622 GL	6550	6245	Dakota
Aztec Oil & Gas Co. Sategna "D"	2 M	21-29N-11W	9-17-60	5478 MCF	5412 GL	6240	6022	Dakota
Kimbell, Kay Cook-Bloomfield	1 N	22-29N-11W	2-2-60	7446 MCF	5432 GL	6305	6052	Dakota
Cook-Bloomfield	2 N	22-29N-11W	4-23-60	2847 MCF	5432 GL	1440	1390	Fruitland
Hartman-Bloomfield U.	1 P	22-29N-11W	4-25-60	6499 MCF	5433 GL	6310	6072	Dakota
Burger Drilling Co. Hare	4 B	23-29N-11W	3-28-60	P & A	5496 GL	800		
Cook, Roy L. Pan-Am State	1 K	23-29N-11W	12-15-60	208 MCF	5449 GL	1507	1443	Fruitland
Reynolds, Otto Lohman	1 C	24-29N-11W	2-26-60	250 MCF	5499 GL	805	705	Farmington
Tennessee Gas Trans. Valdez Gas Ut. "A"	1 I	24-29N-11W	6-14-60	3682 MCF	5467 GL	6403	6107	Dakota
Sullivan Gas Ut. "A"	1 C	25-29N-11W	11-9-60	4674 MCF	5467 GL	6442	6121	Dakota
Pan American Davis Gas Unit "F"	1 I	27-29N-11W	11-7-60	4653 MCF	5554 GL	6365	6215	Dakota
Moncrief, W. A., Jr. Julander	1 J	31-29N-11W	8-31-60	7416 MCF	5443 GL	6205	5959	Dakota
Redfern & Herd, Inc. Nye	1 A	32-29N-11W	4-17-60	5402 MCF	5483 DF	6300	6044	Dakota
Pubco Petr. State	26 N	36-29N-11W	3-12-60	3114 MCF	5725 GL	6560	6356	Dakota
Tennessee Gas Trans. USA Dudley Cornell	1 O	1-29N-12W	12-12-60	2769 MCF	5843 GL	6730	6434	Dakota
Redfern & Herd, Inc. Walker	1 E	3-29N-12W	5-12-60	1840 MCF	5798 GL	6620	6384	Dakota
Kimbell, Kay Devonian-Federal	1 K	4-29N-12W	6-14-60	2293 MCF	5733 DF	6538	6279	Dakota
Redfern & Herd Standard	1 J	4-29N-12W	11-30-60	2680 MCF	5782 GL	6600	6356	Dakota
Pubco Petr. Federal "B"	5 B	5-29N-12W	9-25-60	3747 MCF	5673 GL	6496	6218	Dakota
Northwest Prod. Co. Blanco	1 P	7-29N-12W	11-11-60	2380 MCF	5596 GL	6333	6087	Dakota
Pan American Petr. Johnson Gas Ut. "C"	1 C	7-29N-12W	12-11-60	6139 MCF	5591 DF	6302	6142	Dakota
Pubco Petr. Pubco Fed. "N"	9 N	9-29N-12W	3-29-60	3373 MCF	5708 DF	6526	6305	Dakota
Redfern & Herd Reid	1 M	13-29N-12W	11-2-60	4896 MCF	5612 GL	6408	6142	Dakota

COMPANY LEASE	WELL UNITS	S.T.R.	COMP DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
Texas National Petr. Moncrief Gov't	1 H	22-29N-12W	12-1-60	6158 MCF	5652 DF	6330	6140	Dakota
Texaco, Inc. Loe Federal "B"	2 G	23-29N-12W	4-27-60	9863 MCF	5668 DF	6418	6244	Dakota
	3 M	23-29N-12W	11-2-60	7886 MCF	5496 GL	6220	5970	Dakota
Compass Expl., Inc. City of Farmington	1 B	4-29N-13W	5-13-60	2364 MCF	5548 GL	6305	6008	Dakota
Pioneer Production Co. Smith	1 J	12-29N-13W	3-3-60	3396 MCF	5530 DF	6250	5994	Dakota
Basin Company White, Ted	78 H	18-29N-13W	8-20-60	TA	5249 GL			
	77 F	20-29N-13W	6-18-60	1408 MCF	5331 GL	1117		Pictured Cliffs
Tennessee Gas Trans. Gerard	1 E	21-29N-13W	12-22-60	2176 MCF	5250 GL	5848	5604	Dakota
Callow Gas Ut. "A"	1 D	27-29N-13W	11-1-60	12594 MCF	5300 GL	5939	5670	Dakota
Callow	14 K	28-29N-13W	11-17-60	118 BO	5777 GL	5657	5589	Gallup
Aztec Oil & Gas Co. Hagood	5 P	29-29N-13W	4-2-60	1566 MCF	5830 GL	6350	6316	Dakota
Hagood "G"	7 A	29-29N-13W	10-23-60	203 BO	5557 GL	5500	5362	Gallup
Tennessee Gas Trans. USA Glen Callow (Dual)	12 C	33-29N-13W	1-28-60	254 BO	5822 GL	6380	5560	Gallup
				4260 MCF			6140	Dakota
USA Callow	13 A	33-29N-13W	9-21-60	326 BO	5437	5308	5235	Gallup
Aztec Oil & Gas Co. Hagood	3 P	34-29N-13W	2-23-60	3148 MCF	5908 DF	6412	6262	Dakota
Hagood	4 D	34-29N-13W	3-15-60	7156 MCF	5783 DF	6310	6114	Dakota
Hagood "G"	6 D	34-29N-13W	9-29-60	327 BO	5784 GL	5638	5570	Gallup
Hagood "G"	9 F	34-29N-13W	11-11-60	315 BO	5791 GL	5650	5592	Gallup
Hagood "G"	10 J	34-29N-13W	12-8-60	360 BO	5760 GL	5650	5570	Gallup
Hagood "G"	11 B	34-29N-13W	11-26-60	201 BO	5746 GL	5658	5576	Gallup
Hagood "G"	12 L	34-29N-13W	12-21-60	237 BO	5804 GL	5662	5544	Gallup
Hagood "G"	14 H	34-29N-13W	12-28-60	237 BO	5815 GL	5752	5656	Gallup
Pan American Petr. Gallegos Can. U.	87 F	35-29N-13W	5-19-60	18 BO	5840 GL	5801	5650	Gallup
Navajo "G"	1 A	20-29N-14W	9-14-60	136 BO	5198 GL	4832	4681	Gallup
Navajo Tribal "G"	3 C	20-29N-14W	12-26-60	212 BO	5189 GL	4720	4627	Gallup
Navajo "G"	2 I	20-29N-14W	11-21-60	209 BO	5558 GL	5165	5058	Gallup
Navajo Tribal "E"	2 I	21-29N-14W	7-30-60	101 BO	5598	5289	5145	Gallup
Navajo "E"	3 K	21-29N-14W	8-26-60	164 BO	5586 GL	5270	5116	Gallup
Navajo "E"	4 C	21-29N-14W	10-22-60	203 BO	5203 GL	4882	4726	Gallup
Navajo Tribal "E"	5 H	21-29N-14W	11-6-60	178 BO	5239	4943	4808	Gallup
Navajo Tribal "E"	1 N	22-29N-14W	7-6-60	147 BO	5664 DF	5395	5229	Gallup
Navajo "E"	6 O	22-29N-14W	11-26-60	177 BO	5688 GL	5405	5286	Gallup
Humble Oil & Rfg. Navajo "L"	6 M	25-29N-14W	11-28-60	432 BO	5905	5598	5522	Gallup
Navajo "L"	1 E	26-29N-14W	9-13-60	241 BO	5813 DF	5488	5390	Gallup
Navajo "L"	2 M	26-29N-14W	9-7-60	250 BO	5833 DF	5490	5375	Gallup
Navajo "L"	3 G	26-29N-14W	10-30-60	263 BO	5669 DF	5367	5268	Gallup
Navajo "L"	4 O	26-29N-14W	9-22-60	332 BO	5923 DF	5591	5499	Gallup
EPNG Ojo Amarillo	1 A	27-29N-14W	4-29-60	304 BO	5746 DF	6105	5322	Gallup
Ojo Amarillo	2 C	27-29N-14W	6-4-60	231 BO	5675 DF	5377	5230	Gallup
Ojo Amarillo	3 I	27-29N-14W	6-20-60	143 BO	5788 DF	3598	5328	Gallup
Ojo Amarillo	4 K	27-29N-14W	7-8-60	400 BO	5707 DF	5364	5238	Gallup
Ojo Amarillo	5 A	28-29N-14W	7-22-60	337 BO	5628 DF	5244	5155	Gallup
Ojo Amarillo	6 C	28-29N-14W	8-25-60	432 BO	5609 DF	5196	5121	Gallup
Davis Oil Co. Navajo Amarillo	1 M	31-29N-14W	4-23-60	P & A	5552 GL	5661		

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Humble Oil & Rfg. Navajo "L"	7 G	35-29N-14W	12-31-60	264 BO	5952	6209	5506	Gallup
Navajo "L"	5 E	36-29N-14W	11-30-60	428 BO		5627	5528	Gallup
Grossman-Pettus Stock, Don	1 E	3-29N-16W	12-18-60	3 BO	5100	3570	3519	Gallup
Pan American Petr. Navajo Tribal	19 F	19-29N-16W	2-24-60	74 BO	5156 DF	810	808	Dakota
USG Sec. 19	20 J	19-29N-16W	3-12-60	P & A	5046	687		
Universal Oil Co. Navajo	13 C	17-29N-18W	7-8-60	2 BO	5211 DF	105		Gallup
Kern Co. Land Co. Navajo	1 D	21-29N-18W	12-24-60	P & A	5261 GL	7505		
Continental Oil Co. Rattlesnake	136 J	2-29N-19W	11-13-60	58 BO	5246 GL	6853	6726	Paradox
Pan American Petr. Elliptt GU "K"	1 O	26-30N-9W	5-2-60	3400 MCF	5781 GL	2587	2479	Pictured Cliffs
Pubco Petroleum State	27 F	36-30N-9W	12-6-60	1531 MCF	5658 GL	2420	2354	Pictured Cliffs
EPNG Sunray "E" (Dual)	2 L	9-30N-10W	6-15-60	1911 MCF 2428 MCF	6405 DF	5436	2996	Mesaverde Pictured Cliffs
Delhi-Taylor Oil Co. Delhi-Ludwick	1 A	19-30N-10W	6-20-60	2155 MCF	6340 GL	7546	7258	Dakota
Delhi-Stewart	1 H	28-30N-10W	7-30-60	3931 MCF	6262 GL	7540	7174	Dakota
Delhi-Ludwick	3 B	29-30N-10W	7-16-60	3624 MCF	6171 GL	7360	7045	Dakota
Delhi-Seilers	1 B	30-30N-10W	6-17-60	2719 MCF	6150 GL	7414	7011	Dakota
Delhi-Ludwick	2 G	31-30N-10W	7-14-60	3000 MCF	6037 GL	7149	6831	Dakota
Aztec Oil & Gas Nye	8 P	1-30N-11W	3-14-60	1289 MCF	6010 GL	2690	2600	Pictured Cliffs
Nye	9 D	1-30N-11W	3-20-60	644 MCF	5974 GL	2621	2552	Pictured Cliffs
Nye	6 L	12-30N-11W	2-27-60	2205 MCF	5923 GL	2525	2436	Pictured Cliffs
Nye "D"	10 O	12-30N-11W	7-11-60	1502 MCF	6029 GL	7195	6944	Dakota
Hampton "D"	4 D	13-30N-11W	6-19-60	1963 MCF	5965 GL	7117	6864	Dakota
Southwest Production Simmons, Raymond	1 M	17-30N-11W	12-9-60	3106 MCF	5642 GL	6695	6483	Dakota
Scott, James	1 A	18-30N-11W	11-9-60	3853 MCF	5560 GL	6685	6393	Dakota
Ward, Fannie	1 K	18-30N-11W	5-18-60	3805 MCF	5542 GL	6600	6334	Dakota
International Oil Co. Fogelson	1 P	25-30N-11W	2-29-60	2969 MCF	5973 DF	7150	6857	Dakota
Trigg, John H. Federal	2 E	30-30N-11W	5-23-60	P & A	5698 GL	1350		
Texaco, Inc. Federal State U.	1 O	32-30N-11W	4-23-60	2365 MCF	5888 GL	6880	6610	Dakota
Sunray Mid-Continent Federal "N"	6 M	6-30N-12W	12-3-60	3088 MCF	5968 GL	6893	6660	Dakota
Federal "N"	4 A	7-30N-12W	10-31-60	3322 MCF	6006 GL	6970	6706	Dakota
Federal "N"	5 M	7-30N-12W	11-21-60	3321 MCF	5994 GL	6803	6604	Dakota
Pan American Petr. Hancock Gas Unit	1 L	15-30N-12W	12-1-60	2754 MCF	5650 GL	6680	6488	Dakota
Sunray Mid-Continent Federal "N"	1 M	17-30N-12W	1-1-60	2771 MCF	5856 GL	5770	6488	Dakota
Federal "N"	2 A	17-30N-12W	3-1-60	3029 MCF	5774 GL	6741	6590	Dakota
Southern Union Gas Federal	1 M	18-30N-12W	1-19-60	1582 MCF	5922 GL	6809	6538	Dakota

COMPANY LEASE	WELL UNIT	S.T.R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
Sunray Mid-Continent Federal "N"	3 A	18-30N-12W	4-30-60	2538 MCF	5930 DF	6875	6642	Dakota
Texas Eastern Trans. Corp. Stephens Unit	1 M	21-30N-12W	9-25-60	784 MCF	5601 GL	6560	6254	Dakota
Texas National Petr. Moncrief State	2 A	2-30N-13W	11-6-60	3004 MCF	5956 GL	6824	6623	Dakota
Three States Nat. Gas Maddox	1 H	13-30N-13W	9-15-60	3774 MCF	5908 GL	6790	6522	Dakota
Pan American Petr. Farnsworth GU "A"	1 B	17-30N-13W	4-3-60	2189 MCF	5474 GL	6152	5946	Dakota
Compass Expl., Inc. Federal 25	1 M	25-30N-13W	12-2-60	4402 MCF	5660 GL	6500	6202	Dakota
Federal	1 M	26-30N-13W	9-30-60	4738 MCF	5786 GL	6570	6310	Dakota
Federal 26	2 A	26-30N-13W	10-15-60	4017 MCF	5792 GL	6600	6356	Dakota
Texas National Petr. Federal	1 M	29-30N-13W	8-24-60	1770 MCF	5458 GL	6134		Dakota
Bruce, Albert C., Jr. Bryan Federal	1 C	3-30N-14W	7-6-60	P & A	5647 DF	5308		
Pipkin	2 H	5-30N-14W	1-6-60	22 BO	5588 GL	5123	4690	Gallup
Compass Exploration Aztec	2 P	35-30N-14W	9-19-60	6141 MCF	5513 GL	6100	5748	Dakota
Federal	1 D	35-30N-14W	4-2-60	6709 MCF	5584 GL	6095	5796	Dakota
EPNG								
Malco Copple	9 M	5-30N-15W	8-10-60	60 BO	5337 DF	3576	3450	Gallup
Malco Copple	4 M	6-30N-15W	5-24-60	86 BO	5430 DF	2340	2160	Gallup
Sunray Mid-Continent Federal "P"	1 H	30-30N-15W	10-30-60	18 BO	5247 GL	4115	3960	Gallup
Compass Exploration Indian	3 E	1-30N-16W	6-22-60	28 BO	5516 GL	1800	1384	Gallup
Standard Oil of Texas Navajo 82-1	1 K	1-30N-16W	2-21-60	TA	5493 DF	1835		
Tennessee Gas Trans. NA-Dzis-Pah	1 G	1-30N-16W	1-26-60	15 BO	5451 GL	1850	1648	Gallup
NA-Dzis-Pah	2 B	1-30N-16W	2-5-60	59 BO	5482 GL	1685	1565	Gallup
EPROC Associates Monsanto State "H"	1-X E	2-30N-16W	6-29-60		5668 GL	1735	1567	Gallup
Abraham, J. R. Federal	2-X J	10-30N-16W	3-16-60	1200 BO	5433 DF	1712	1484	Gallup
Pan American Petr. Aidlin, J. W. "D"	2 N	10-30N-16W	2-19-60	85 BO	5410	1693	1492	Gallup
Aidlin, J. W. "D"	3 L	10-30N-16W	3-25-60	100 BO	5424 GL	6105	1454	Gallup
Aidlin, J. W. "D"	4 D	10-30N-16W	3-11-60	84 BO	5974 GL	1470	1312	Gallup
King Oil Co. Colorado	1 A	12-30N-16W	10-28-60	77 BO	5469 GL	2447	2289	Gallup
Pan American Petr. Aidlin "B"	4 E	14-30N-16W	5-7-60	25 BO	5434	2547	2388	Gallup
NE Hogback Unit	4 J	14-30N-16W	12-27-60	20 BO	5337 DF	4390	3591	Gallup
Hoover "E"	1 C	15-30N-16W	4-22-60	166 BO	5430 GL	1747	1509	Gallup
Hoover "E"	2 B	15-30N-16W	4-28-60	384 BO	5403 GL	1750	1620	Gallup
Hoover "E"	3 D	15-30N-16W	6-2-60	104 BO	5418 DF	1537	1393	Gallup
Hoover "E"	4 G	15-30N-16W	5-22-60	21 BO	5445 DF	1870	1718	Gallup
Hoover "E"	5 F	15-30N-16W	7-14-60	P & A	5485 DF	1750		
NE Hogback unit	2 A	15-30N-16W	5-9-60	201 BO	5412 GL	2623	1832	Gallup
NE Hogback Unit	3 D	22-30N-16W	4-29-60	P & A	5376 KB	2486		

COMPANY LEASE	WELL UNIT	S.T.R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
Humble Oil & Rfg.								
Navajo "K"	1 L	31-30N-16W	6-1-60	P & A	5075 DF	1073		
Navajo "K"	2 E	31-30N-16W	11-21-60	P & A	5114	7360		
Pan American Petr.								
NE Hogback U	1 D	36-30N-16W	1-26-60	P & A		4525		
Bayless, R. L.								
Cynthia	1 J	5-30N-17W	11-20-60	J & A	5048 DF	675		
Cynthia	1-X F	5-30N-17W	11-30-60	P & A	5048 GL	1057		
Empire States								
Navajo 29	1 G	9-30N-17W	6-11-60	P & A	5133 DF	700		
Navajo 29	2 N	9-30N-17W	7-15-60	P & A	5179 DF	758		
Navajo 28	1 B	15-30N-17W	6-14-60	P & A	5243 DF	846		
Navajo 28	2 F	16-30N-17W	8-11-60	P & A	5201 GL	786		
Harrell Budd								
Navajo	3 J	27-30N-19W	12-27-60	P & A	5036 DF	150		
Amerada Petr.								
Navajo	1 P	24-30N-20W	1-17-60	P & A	5343 GL	6960		
Blackwood & Nichols								
NE Blanco Unit	59 A	24-31N-7W	7-2-60	2522 MCF	6471 DF	7900	5502	Mesaverde
EPNG								
San Juan Unit 32-8	13 M	9-31N-8W	10-9-60	3215 MCF	6664 DF	6090	5856	Mesaverde
San Juan Unit 32-8	35 M	13-31N-8W	9-24-60	P & A	6512 GL	8156		
Aztec Oil & Gas								
Richardson	7 J	15-31N-10W	7-14-60	3105 MCF	6267 GL	7440	7238	Dakota
Delhi-Taylor Oil Corp.								
Delhi-Mudge	7 G	4-31N-11W	9-13-60	1469 MCF	6160 GL	7530	7304	Dakota
Delhi-Mudge	8 B	5-31N-11W	9-16-60	2002 MCF	6210 GL	7730	7492	Dakota
Mudge	5 G	8-31N-11W	9-1-60	6671 MCF	6085	7452	7130	Dakota
Delhi-Mudge	6 G	9-31N-11W	9-14-60	2750 MCF	6070 GL	7375	7174	Dakota
Mudge	1 B	10-31N-11W	8-1-60	3702 MCF	5902 GL	7580	7078	Dakota
Mudge	3 G	15-31N-11W	8-24-60	2310 MCF	6128 GL	7497	7166	Dakota
Mudge	4 A	17-31N-11W	8-24-60	3565 MCF	6116 GL	7663	7044	Dakota
Aztec Oil & Gas Co.								
Grenier	10 E	18-31N-11W	4-18-60	1020 MCF	6183 GL	2865	2748	Pictured Cliffs
Delhi-Taylor Oil Corp.								
Mudge	2 G	21-31N-11W	8-5-60	3537 MCF	5873 GL	7290	6886	Dakota
EPNG								
Newberry	9 M	5-31N-12W	9-8-60	3977 MCF	5958 DF	4846	4640	Mesaverde
Consolidated Oil & Gas								
Gov't Gross	1 N	7-31N-12W	6-8-60	1795 MCF	5900 GL	6860	6740	Dakota
Gov't Leads	1 L	8-31N-12W	9-10-60	2800 MCF	6009 GL	7090	6923	Dakota
Aztec Oil & Gas Co.								
Grenier	9 B	13-31N-12W	4-12-60	954 MCF	6202 GL	2887	2820	Pictured Cliffs
Richardson	7 J	15-31N-12W	8-10-60	3287 MCF	6267 GL	7466	7238	Dakota
Southwest Production								
Newberry Federal	1 M	17-31N-12W	12-20-60	3787 MCF	5944 GL	7122	6841	Dakota
Consolidated Oil & Gas								
Gov't Arnstein	1 K	18-31N-12W	6-25-60	3050 MCF	5853 GL	6865	6704	Dakota
Gov't Jackson	2 G	18-31N-12W	8-17-60	2620 MCF	5875 GL	6912	6762	Dakota
S. U. Gov't	2 A	19-31N-12W	6-1-60	2410 MCF	5974 KB	6980	6829	Dakota
Newman Gov't	1 B	20-31N-12W	8-4-60	2740 MCF	6060 DF	7109	4780	Dakota
Aztec Oil & Gas								
Richardson (Dual)	6 I	22-31N-12W	5-14-60	2837 MCF 2121 MCF	6157 GL	7295	4932 7064	Mesaverde Dakota

COMPANY LEASE	WELL UNIT	S.T.R.	COMP. DATE	INIT. PROD. TEST	ELEV. ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
Aztec Oil & Gas Thompson "D"	6 O	27-31N-12W	9-4-60	1939 MCF	6142 GL	7220	7010	Dakota
Aspen Crude Purchasing Federal	1 J	5-31N-13W	8-23-60	2518 MCF	5881 GL	6850	6698	Dakota
Adobe Oil Co. McCarty	1 N	14-31N-13W	10-30-60	1678 MCF	5650 GL	6662	6480	Dakota
Elliott	1 G	20-31N-13W	12-27-60	2795 MCF	5802 DF	6754	6518	Dakota
Consolidated Oil & Gas Payne	3 L	26-31N-13W	3-13-60	1320 MCF	5800 DF	6760	6540	Dakota
Adobe Oil Co. Harris	1 N	28-31N-13W	10-14-60	2201 MCF	5629 GL	6475	6246	Dakota
Parker	1 K	33-31N-13W	4-24-60	3305 MCF	5508 GL	6362	6077	Dakota
Consolidated Oil & Gas Gov't Langendorf	1 H	34-31N-13W	11-17-60	3310 MCF	5718 GL	6559	6369	Dakota
Gov't Payned	2 H	35-31N-13W	4-22-60	3540 MCF	5987 GL	6898	6705	Dakota
Gulf Oil Corp. Farmington State	1 L	36-31N-13W	12-20-60	2597 MCF	6091 GL	7080	6856	Dakota
Skelly Oil Co. Ute "A"	4 O	5-31N-14W	5-26-60	P & A	6253 DF	3248		
Aztec Oil & Gas Co. Ute Indian "E"	9 N	20-31N-14W	5-19-60	103 BO	5596 GL	3250	3180	Gallup
Ute Indian "E"	10 P	20-31N-14W	5-15-60	97 BO	5623 GL	4745		Gallup
Socony Mobil Oil Co. Ute Mountain	11 A	21-31N-14W	8-10-60	123 BO	5707 GL	2760	2610	Gallup
Ute Mountain	12 C	21-31N-14W	8-24-60	9 BO	5731 GL	2800	2630	Gallup
Ute Mountain	10 K	22-31N-14W	2-10-60	10 BO	5660 GL	3000		Gallup
Ute Mountain	13 E	22-31N-14W	8-31-60	39 BO	5613 GL	2835	2677	Gallup
Pan American Petr. Ute Mountain Tr. F	4 L	28-31N-14W	4-27-60	31 BO	5529 DF	4434	4335	Gallup
Standard Oil of Texas Ute Mountain Tr. 2	7 N	29-31N-14W	1-15-60	50 BO	5483 DF	4796	4693	Gallup
Ute Mountain Tr. 2	9 C	29-31N-14W	4-21-60	102 BO	5577 DF	3689	3609	Gallup
Ute Mountain Tr. 2	10 A	29-31N-14W	5-3-60	120 BO	5623 DF	3672		Gallup
Ute Mountain Tr. 2	11 E	29-31N-14W	6-12-60	94 BO	5557 DF	4192	4150	Gallup
Ute Mountain Tr. 2	12 G	29-31N-14W	7-9-60	58 BO	5590 DF	4123	4019	Gallup
Ute Mountain Tr. 2	13 K	29-31N-14W	7-16-60	131 BO	5523	4690		Gallup
Ute Mountain Tr. 2	14 I	29-31N-14W	7-27-60	30 BO		4612	4456	Gallup
Ute Mountain Tr. 2	15 M	29-31N-14W	8-31-60	39 BO	5503 DF	2835	2677	Gallup
Three States Natural Tribal	7 K	30-31N-14W	1-15-60	105 BO	5557 DF	4646	4536	Gallup
Tribal	9 L	30-31N-14W	2-13-60	74 BO	5510 GL	4573	4521	Gallup
Tribal	15 P	30-31N-14W	6-21-60	61 BO	5487 DF	4690	4690	Gallup
Tribal	8 A	31-31N-14W	1-31-60	144 BO	5476 DF	4755	4655	Gallup
Tribal	10 B	31-31N-14W	5-15-60	97 BO	5519 DF	4745	4646	Gallup
Tribal	11 C	31-31N-14W	2-25-60	100 BO	5553 DF	4745	4745	Gallup
Tribal	12 D	31-31N-14W	6-7-60	52 BO	5564 DF	4720	4716	Gallup
Williams, Keith H., Jr. Barker Dome Unit	1 F	20-31N-15W	3-19-60	43 BO	5637 DF	1845	1780	Gallup
Humble Oil & Rfg. Ute Indian "B"	2 C	25-31N-15W		TA	5479 DF	3690	3369	Gallup
Ute "B"	3 I	25-31N-15W	8-16-60	32 BO	5503 DF	4516	4447	Gallup
Century Exploration Ute "C"	2 H	27-31N-15W	11-30-60	P & A	5545 GL	2765		
Ute "C"	3 N	27-31N-15W	12-16-60	87 BO	5556 GL	2776	2477	Gallup
Humble Oil & Rfg. Ute "B"	4 A	36-31N-15W	12-5-60	8 BO	5606 DF	4749	4749	Gallup

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Atlantic Rfg. Co. Navajo "B"	1-W J	19-31N-16W	3-10-60	Inj.	5529 GL	2810		
Texaco, Inc.								
Ute Mountain Tr. "B"	1 P	21-31N-16W	1-24-60	25 BO	5726 DF	1684	1622	Gallup
Navajo Ute Mt. "B"	2 O	21-31N-16W	4-2-60	13 BO	5745 DF	1705	1639	Gallup
Navajo Ute Mt. "B"	3 N	21-31N-16W	6-19-60	16 BO	5619 DF	1548	1498	Gallup
Navajo Ute Mt. "B"	4 K	21-31N-16W	9-12-60	192 BO	5736 DF	1794	1619	Gallup
EPNG								
Horseshoe Ute	31 E	27-31N-16W	1-7-60	44 BO	5585 DF	1590	1484	Gallup
Horseshoe Ute	32 J	27-31N-16W	1-14-60	45 BO	5484 DF	1488	1398	Gallup
Horseshoe Ute	33 O	27-31N-16W	1-26-60	47 BO	5457 DF	1465	1360	Gallup
Horseshoe Ute	35 K	27-31N-16W	2-6-60	37 BO	5514 DF	1500	1410	Gallup
Horseshoe Ute	36 P	27-31N-16W	2-15-60	28 BO	5690 DF	1713	1604	Gallup
Horseshoe Ute	37 F	27-31N-16W	2-20-60	36 BO	5574 DF	1619	1489	Gallup
Horseshoe Ute	38 D	27-31N-16W	3-29-60	26 BO	5607 DF	1620	1530	Gallup
Horseshoe Ute	41 C	27-31N-16W	3-22-60	24 BO	5574 DF	1586	1493	Gallup
Horseshoe Ute	42 G	27-31N-16W	3-27-60	18 BO	5516 DF	1538	1446	Gallup
Horseshoe Ute	43 I	27-31N-16W	4-3-60	25 BO	5653 DF	1681	1575	Gallup
Horseshoe Ute	39 B	28-31N-16W	3-9-60	24 BO	5749 DF	1717	1632	Gallup
Horseshoe Ute	40 C	28-31N-16W	3-17-60	22 BO	5757 DF	1704	1614	Gallup
Horseshoe Ute	34 A	34-31N-16W	1-31-60	32 BO	5473 DF	1491	1372	Gallup
Atlantic Rfg. Co.								
Ute	4 D	35-31N-16W	5-11-60	40 BO	6519 GL	1530	1448	Gallup
Ute	5 G	35-31N-16W	10-25-60	71 BO	5657 GL	1675	1600	Gallup
Humble Oil & Rfg. Navajo "F"	44 N	10-31N-17W	9-13-60	Inj.				
Socony Mobil								
Navajo "A"	22 F	14-31N-17W	8-24-60	20 BO	5400	1107	1045	Gallup
Navajo "A"	23 D	17-31N-17W	8-30-60	2 BO	5283 GL	1000	908	Gallup
Humble Oil & Rfg. Inidans "H"	1 D	4-31N-18W	1-31-60	P & A	5244 DF	8230		
Thomas, D. Oscar, etal								
Navajo	2 B	1-31N-19W	6-14-60	P & A	5153 DF	720		
Navajo	1 P	12-31N-19W	5-9-60	P & A	4983 GL	520		
EPNG								
Allison Unit	24 M	7-32N-6W	9-29-60	3094 MCF	6516 GL	8175	5648	Mesaverde
Allison Unit	23 M	19-32N-6W	8-1-60	P & A	6452 DF	1783		
Allison Unit (Dual)	23-X M	19-32N-6W	8-12-60	3438 MCF	6451 DF	8104	5586	Mesaverde
				2608 MCF			7900	Dakota
SJU 32-7	21 L	20-32N-7W	10-13-60	TA	6289 GL	5729		
SJU 32-8	32 N	9-32N-8W	5-25-60	P & A	6992 DF	6518		
SJU 32-9	78 M	17-32N-9W	8-6-60	2193 MCF	6633 DF	6015	5754	Mesaverde
SJU 32-9	79 A	17-32N-9W	7-18-60	2024 MCF	6922 DF	6264	6010	Mesaverde
SJU 32-9	75 L	18-32N-9W	6-16-60	2559 MCF	6817 DF	6103	5852	Mesaverde
SJU 32-9	77 A	18-32N-9W	7-3-60	3498 MCF	6817 DF	6120	5884	Mesaverde
SJU 32-9	76 A	13-32N-10W	5-28-60	2611 MCF	6931 DF	6265	3705	Mesaverde
Delhi-Taylor Oil Corp. Delhi-Mudge	9 A	33-32N-11W	9-13-60	2582 MCF	6152 GL	7535	7324	Dakota
Aztec Oil & Gas Co. Culpepper-Martin	14 A	32-32N-12W	6-19-60	322 MCF	5921 GL	7176	6862	Dakota
Schultz, Frank A. Holloway	1 K	21-32N-13W	4-5-60	P & A	6088 DF	4610		
Southern Union Gas Jones	1 H	22-32N-13W	2-16-60	P & A	5970 DF	5670		
Consolidated Oil & Gas Ripley (Dual)	1 N	26-32N-13W	2-2-60	1640 MCF 1345 MCF	5944 GL	7084	4605 6828	Mesaverde Dakota

<u>COMPANY</u> <u>LEASE</u>	<u>WELL</u> <u>UNIT</u>	<u>S.T.R.</u>	<u>COMP.</u> <u>DATE</u>	<u>INIT.</u> <u>PROD.</u> <u>TEST</u>	<u>ELEV.</u>	<u>TOTAL</u> <u>DEPTH</u>	<u>TOP</u> <u>PAY</u>	<u>PRODUCING</u> <u>FORMATION</u>
Texas National Petr. Johns	1 O	32-32N-13W	1-30-60	P & A	5983 GL	5755		
Consolidated Oil & Gas Pan Am State (Dual)	1 N	36-32N-13W	8-29-60	1812 MCF 1190 MCF	5781 GL	6840	4455 6633	Mesaverde Dakota
Southern Union Gas Wright-State (Dual)	1 B	36-32N-13W	1-26-60	4214 MCF 910 MCF	5836 GL	6985	4517 6885	Mesaverde Dakota
Aztec Oil & Gas Co. Ute Mt.	1 L	15-32N-15W		TA	6620 GL	3483		
Ute Mt. Strat "A"	1 P	14-32N-16W	7-30-60	P & A	6558 GL	3540		
Texas Pacific Coal & Oil Navajo "B"	1 F	28-32N-17W	8-6-60	P & A	6019 GL	9336		
Amalgamated Petr. Navajo	2 C	27-32N-18W	10-3-60	P & A	5322 GL	1310		
Navajo	1 D	28-32N-18W	9-24-60	P & A	5381 GL	1300		
Continental Oil Co. Navajo 21	1 P	21-32N-19W	11-3-60	P & A	5130 GL	8286		
VALENCIA COUNTY								
Southland Royalty Federal Lucero	1 H	14-6N-11W	5-8-60	P & A	7215 KB	4638		
Sun Oil Co. Pueblo of Acoma	1 J	2-7N-7W	3-8-60	P & A	6336 DF	4794		