

CIRCULAR 96

# Petroleum Developments in New Mexico During 1961

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# Contents

	<u>Page</u>
ABSTRACT . . . . .	1
INTRODUCTION, . . . . .	2
Production summary, . . . . .	2
Reserves . . . . .	4
Drilling summary, . . . . .	5
SUBSURFACE COMPLETION DATA . . . . .	9
Chaves County . . . . .	10
Curry County . . . . .	11
DeBaca County . . . . .	12
Eddy County . . . . .	12
Lea County . . . . .	25
McKinley County . . . . .	42
Mora County . . . . .	43
Otero County . . . . .	43
Rio Arriba County . . . . .	43
Roosevelt County . . . . .	49
Sandoval County . . . . .	51
San Juan County . . . . .	52
Santa Fe County . . . . .	67
Torrance County . . . . .	68
Union County . . . . .	68

## *Illustrations*

### TABLES

1. Oil and gas production by county, area, and state, 1961 . . . . .	4
2. Drilling statistics, New Mexico, 1961 . . . . .	6
3. Development statistics, New Mexico, 1961 . . . . .	7
4. Exploratory statistics, New Mexico, 1961 . . . . .	8

### FIGURE

1. County index map of New Mexico, showing producing counties . .	3
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## Abstract

Petroleum, the most important mineral industry in New Mexico, provided almost 65-1/2 per cent of the total value of all minerals produced in the state during 1961. The 1961 production of crude oil and distillate amounted to 112,553,401 barrels, an increase of more than 5 million barrels over 1960. Natural gas production amounted to 786,594,983,000 cubic feet, a decrease of more than 35 billion cubic feet over 1960. New Mexico ranks sixth in the production of crude oil and fourth in the production of natural gas in the United States.

A total of 1912 wells was drilled during the year, an increase of 114 tests over the total for 1960. The total footage drilled in the state increased from 9,129,674 in 1960 to 9,490,529 in 1961. Average depth per well dropped from 5078 feet in 1960 to 4964 feet in 1961.

The wells completed in New Mexico during 1961 are listed 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 1961, the value of crude oil, natural gas, and natural gas liquids produced made up almost 65-1/2 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 1961, 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. potash, 14 per cent
3. natural gas, 12-1/2 per cent
4. uranium, 9 per cent
5. copper, 7 per cent
6. natural gas liquids, 6 per cent
7. sand and gravel, 1-1/2 per cent
8. all others, 3 per cent

The first section summarizes production and drilling statistics for New Mexico during 1961. 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 1961 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 NE 1/4 NE 1/4 location, "B" the NW 1/4 NE 1/4 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:

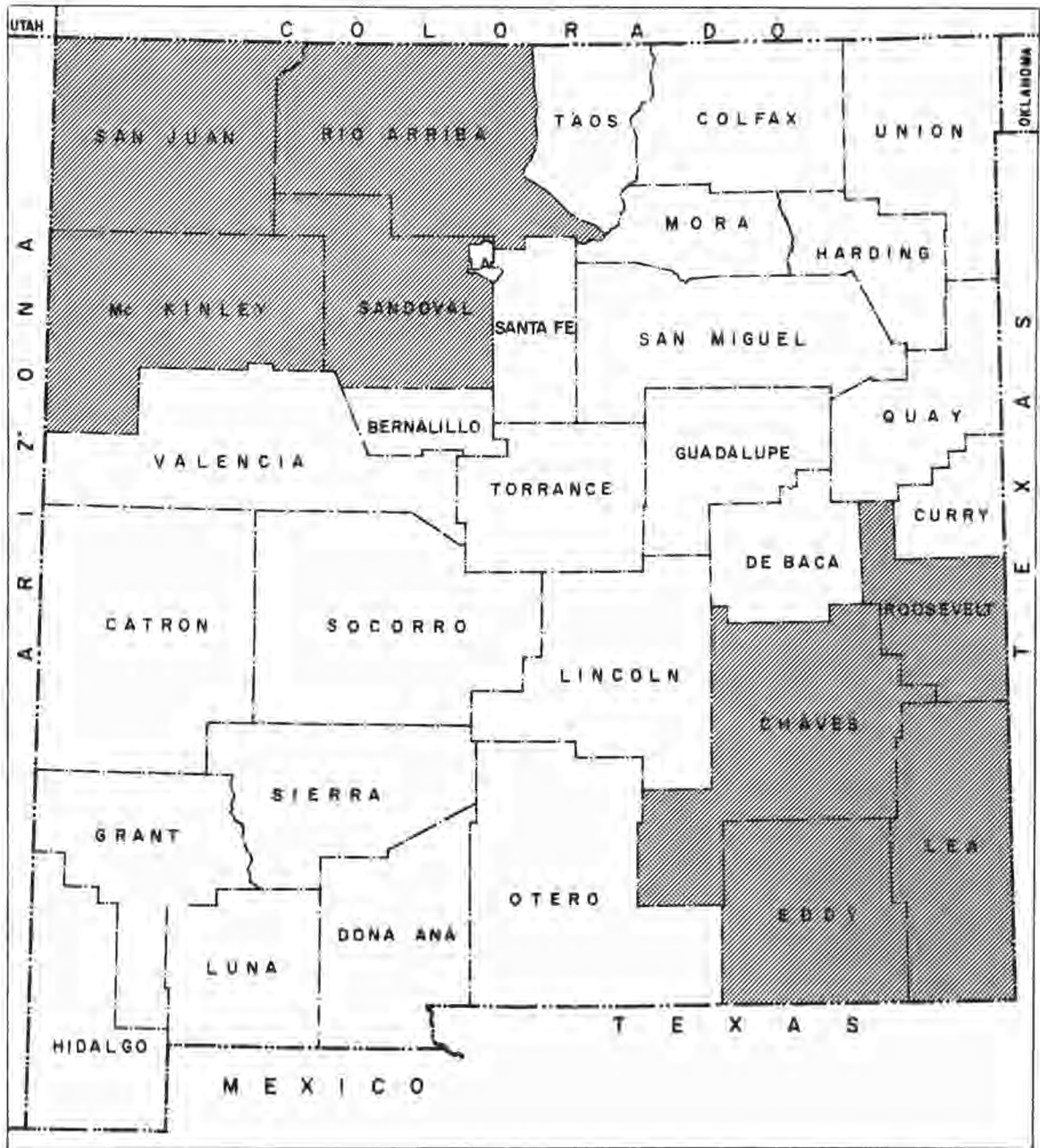
D	C	B	A
E	F	G	H
L	K	J	I
M	N	O	P
T	S	R	Q
U	V	W	X

PRODUCTION SUMMARY

Crude oil and distillate production in New Mexico during 1961 amounted to 112,553,401 barrels, an increase of 5,188,253 barrels over 1960. New Mexico moved up one notch and is now sixth in the production of crude oil in the United States behind Texas, Louisiana, California, Oklahoma, and Wyoming. Four per cent of the total amount of oil produced in the United States comes from New Mexico.

Lea County, although accounting for 65 per cent of the state total (table 1), continued to show a decline in oil production from the record high of 81,405,720 barrels established in 1957. Lea County production during 1961 amounted to 74,093,103 barrels, a decrease of 2,106,707 from the 76,199,810 barrels produced in 1960. All other producing counties recorded production increases in 1961. The largest gain in production, 2,803,854 barrels, occurred in Eddy County, followed closely by an increase of 2,675,058 barrels in Roosevelt County.

Natural gas production in 1961 totaled 786,594,983,000 cubic feet, a decrease of 35,319,633,000 cubic feet from the amount produced in 1960. New Mexico ranks fourth in the production of natural gas in the United States behind Texas, Louisiana, and Oklahoma. New Mexico provides 5 per cent of the nation's total gas production.



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

TABLE 1. OIL AND GAS PRODUCTION BY COUNTY, AREA, AND STATE, 1961\*

County and area	Crude oil and distillate (bbl)	Dry gas and casinghead gas (cu ft)
Chaves	4,519,086	1,973,242,000
Eddy	14,340,933	32,388,624,000
Lea	74,093,103	387,116,930,000
Roosevelt	3,864,289	5,620,117,000
Southeast area	96,817,411	427,098,913,000
McKinley	129,652	
Rio Arriba	1,506,347	126,953,383,000
Sandoval	22,983	8,434,000
San Juan	14,077,008	232,534,253,000
Northwest area	15,735,990	359,496,070,000
State total	112,553,401	786,594,983,000

\*Data modified from the 1961 Annual Report of the New Mexico Oil and Gas Engineering Committee.

Lea County continued to lead in the production of dry and casinghead gas, accounting for 49 per cent of the state total. However, the county showed a decline in production of 35,364,657,000 cubic feet from the total for 1960. Of the remaining producing counties, Rio Arriba and Sandoval recorded decreases in production totaling 15,669,228,000 cubic feet. Gas production increased in Chaves, Eddy, Roosevelt, and San Juan counties during 1960, the largest gain being in Eddy County, which showed an increase of 9,364,834,000 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 1,090,203,000 barrels on December 31, 1961, an increase of 6,545,000 over the previous year's estimate of 1,083,658,000 barrels. Production exceeded

new reserves discovered during 1961 by 82,271,000 barrels. Extensions of existing reservoirs and revisions of previous estimates during 1961 added 88,816,000 barrels. The ratio of reserves to production for New Mexico crude oil declined slightly during the year to 10.02 years from the 1960 ratio of 10.39 years.

The American Gas Association's Committee on Natural Gas Reserves reported that estimated proved recoverable reserves of natural gas in New Mexico totaled 14,757,739 million cubic feet as of December 31, 1961, decreasing by 845,985 million cubic feet during the year. Of this decrease, 149,779 million cubic feet were accounted for through revisions of previous estimates during 1961. Production exceeded new reserves discovered in 1961 by some 693,925 million cubic feet. The ratio of natural gas reserves to production continued to decline from the 1960 ratio of 20.04 years to 19.83 years during 1961.

The committee reported that estimated proved recoverable reserves of natural gas liquids in New Mexico totaled 501,246,000 barrels as of December 31, 1961. This represents an increase of 16,447,000 over the pre-



vious year's estimate of 484,799, 000 barrels. Production exceeded new discoveries by 29, 412, 000 barrels, and 45, 859, 000 barrels were added during 1961 by extensions of existing reservoirs and revisions of previous estimates. The ratio of natural gas liquids reserves to production in New Mexico declined from 17.1 years in 1960 to 16.35 years in 1961.

#### DRILLING SUMMARY

During 1961, a total of 1912 wells was drilled in New Mexico, an increase of 114 tests from the total for 1960. Drilling was off by 48 wells in the southeast but increased by 160 wells in the northwest and 2 in the nonproducing counties.

Oil tests were drilled in 15 of the 32 counties in the state (table 2). San Juan County led in the number of tests with 554, closely followed by Lea County with 540. Fourteen tests were drilled in 7 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 1088, compared to 810 tests in the northwestern area of San Juan, Rio Arriba, McKinley, and Sandoval counties.

Increases over 1960 in the number of well completions were recorded in Lea County, with 538 completions in 1960 and 540 in 1961; Roosevelt County, with respectively 43 and 71; McKinley County, with 16 and 20; Rio Arriba County, 194 and 205; Sandoval County, 7 and 31; and San Juan County, 433 and 554. Decreases were recorded in Chaves County, with

a drop from 82 wells in 1960 to 51 in 1961, and in Eddy County, which dropped from 473 to 426.

Of the 1912 test wells drilled in New Mexico during 1961, 1587 were classified as development wells (table 3) and 325 as exploratory wells (table 4). Eighty-five per cent of the development wells, 17 per cent of the exploratory wells, and 73 per cent of all the wells drilled were completed successfully. Fifteen per cent of the exploratory wells were successful in northwestern New Mexico and 20 per cent in the southeastern part of the state.

The total footage drilled in the state increased slightly in 1961 to 9,490,529 from 9, 129, 674 in 1960. The average depth per well dropped from 50/8 feet in 1960 to 4964 feet in 1961.

Total development footage increased from 7,442,415 in 1960 to 7,995,677 in 1961. Exploratory footage decreased from 1, 687,259 to 1,494, 852. Average well depth for development wells dropped from 5059 to 5038 and from 5160 to 4600 for exploratory wells. This marked change in the average depth of exploratory wells is accounted for by the fact that most Dakota tests drilled in San Juan and Rio Arriba counties are now considered development wells in the "Basin—Dakota" field, even though many of them would ordinarily be classed as exploratory.

The total footage drilled in the nonproducing counties increased in 1961 as the number of test wells drilled rose from 12 in 1960 to 14 in 1961, so that the total of 42, 555 feet in 1960 rose to 43,509 feet in 1961. However, the average depth per well dropped from 3546 feet in 1960 to 3104 in 1961.

TABLE 2. DRILLING STATISTICS, NEW MEXICO, 1961

County and area	Total wells	Oil	Gas	Dual completions	Triple completions	Dry	Per cent successful	Total footage	Average depth
Chaves	51	26				25	51	149,828	2938
Eddy	426	280	13	1		132	69	1,500,440	3522
Lea	540	327	17	31	11	154	72	3,409,925	6315
Roosevelt	71	54	1			16	78	650,336	9160
Southeast area	1088	687	31	32	11	327	70	5,710,529	5249
McKinley	20	7				13	35	9,493	475
Rio Arriba	205	36	131	14		24	88	1,046,394	5104
Sandoval	31	4	3			24	23	76,574	2470
San Juan	554	176	251	20		107	81	2,604,030	4700
Northwest area	810	223	385	34		168	79	3,736,491	4613
Nonproducing counties	14*					14	0	43,509	3108
State totals	1912	910	416	66	11	509	73	9,490,529	4964

\* Curry (1), DeBaca (1), Mora (1), Otero (5), Santa Fe (1), Torrance (1), Union (4).

TABLE 3. DEVELOPMENT STATISTICS, 1961

County and area	Total wells	Oil	Gas	Dual completions			Triple completions	Dry	Per cent successful	Total footage	Average depth
				Oil-oil	Oil-gas	Gas-gas					
Chaves	37	24						13	65	70,646	1909
Eddy	362	272	7	1				82	77	1,211,473	3347
Lea	440	311	14	24	6		11	74	83	2,705,989	6150
Roosevelt	64	53	1					10	84	583,319	9114
Southeast area	903	660	22	25	6		11	179	80	4,571,427	5062
McKinley	8	7						1	86	3,292	412
Rio Arriba	184	29	130		3	11		11	94	953,189	5180
Sandoval	11	4	3					4	64	18,480	1680
San Juan	481	168	248		2	18		45	91	2,449,289	5092
Northwest area	684	208	381		5	29		61	91	3,424,250	5006
State totals	1587	868	403	25	11	29	11	240	85	7,995,677	5038

TABLE 4. EXPLORATORY STATISTICS, 1961

County and area	Total wells	Oil	Gas	Dual completions Oil-Gas	Dry	Per cent successful	Total footage	Average depth
Chaves	14	2			12	14	79,182	5656
Eddy	64	8	6		50	22	288,967	4515
Lea	100	16	3	1	80	20	703,936	7039
Roosevelt	7	1			6	14	67,017	9574
Southeast area	185	27	9	1	148	20	1,139,102	6157
McKinley	12				12	0	6,201	517
Rio Arriba	21	7	1		13	38	93,205	4438
Sandoval	20				20	0	58,094	2905
San Juan	73	8	3		62	15	154,741	2120
Northwest area	126	15	4		107	15	312,241	2478
Nonproducing counties	14*				14	0	43,509	3108
State totals	325	42	13	1	269	17	1,494,852	4600

\*Curry (1), DeBaca (1), Mora (1), Otero (5), Santa Fe (1), Torrance (1), Union (4).

## ***Subsurface Completion Data***

These abbreviations appear in the following section:

BO	Barrels of oil
D & A	Dry and abandoned
DF	Derrick floor
F	Flowed
GL	Ground level
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 DATE

COMPANY LEASE	WELL UNIT	S.T.R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
<u>CHAVES COUNTY</u>								
Texaco, Inc. Patterson, Ruth	1 C	34-6S-30E	2-15-61	F & A	4219	8784		
Miller, K. G. Leyers State	1 E	32-7S-26E	12-28-61	41 BO	3682 DF	1167	1088	San Andres
Peters Drilg. Co. Dale Federal	1 E	33-7S-26E	11-20-61	F 15 BO	3682 DF	1170	1128	San Andres
Atwell, W. M. DeKalb Federal	1 C	21-8S-26E	1-28-61	F & A	3798 CR	6463		
Levick, Earl G. State B 8638	2 F	7-8S-27E	2-10-61	F 5 BO	4026 DF	2030	1964	San Andres
Sinclair Oil & Gas Co. Chaves State 172	1 K	27-8S-32E	1-6-61	F & A	4378 DF	10939		
Shelton, Bill A. Wells	1 L	8-10S-25E	3-16-61	F & A	3526 DF	859		
McAdams, J. F. Lewis, Nettie Fed.	1 M	13-10S-25E	5-3-61	F & A		1223		
Lewis, Nettie Fed. B	2 K	13-10S-25E	5-3-61	F & A	3705 DF	1260		
Peters, M. G. Hightower State	1 O	16-10S-25E	8-30-61	TA	3485 DF	857		
Nearburg & Ingram Eakin	1 G	17-10S-25E	7-12-61	F & A	3519 DF	825		
Rose	1 O	17-10S-25E	10-24-61	F 1 BO	3505 DF	825	736	San Andres
Peters, M. G. Chidras, etal	2-A H	18-10S-25E	1-30-61	F & A	3533 DF	720		
Spears, Wayne J. Elk	1 K	22-10S-25E	8-30-61	TA	3477 DF	665		
Intex Oil Co. Bright Federal	1 L	23-10S-25E	10-31-61	F 5 BO		1031	947	San Andres
Colton, Earl G. Elliott Federal	1 E	26-10S-25E	9-28-61	F 20 BO	3765 DF	1298	1254	San Andres
Spears Oil Prod. Co. Leonard Federal	5 N	26-10S-25E	3-28-61	F 27 BO	3740 DF	1276	1209	San Andres
Colton, Earl G. Gorman Federal	1 A	27-10S-25E	2-13-61	F 46 BO	3510 CR	981	944	San Andres
McAdams, J. F., etal								
Cannon, Mary Ann	3 L	27-10S-25E	1-12-61	25 BO	3471 DF	887	836	San Andres
Cannon, Mary Ann	4 M	27-10S-25E	1-18-61	F 32 BO	3474 DF	898	817	San Andres
DeKalb Federal	3 E	27-10S-25E	1-13-61	68 BO	3473 DF	885	826	San Andres
De Kalb Federal	4 D	27-10S-25E	1-15-61	48 BO	3475 DF	883	830	San Andres
Leonard Federal	1 G	27-10S-25E	1-14-61	35 BO		930	912	San Andres
Leonard Federal	3 E	27-10S-25E	1-15-61	41 BO	3493 DF	944	889	San Andres
Leonard Federal	4 H	27-10S-25E	2-20-61	22 BO	3552 DF	1007	942	San Andres
Spears, Wayne J. Monroe Federal	2 F	34-10S-25E	2-22-61	F 20 BO	3473 DF	941	893	San Andres
Monroe	3 G	34-10S-25E	6-3-61	20 BO	3597 DF	979	968	San Andres
Spears Oil Prod. Co., Inc. Leonard A	2 B	35-10S-25E	3-28-61	F 30 BO	3719 DF	1305	1225	San Andres
Spears, Wayne J. Zimmerman	1 C	35-10S-25E	2-1-61	F 37 BO	3722 DF	1236	1218	San Andres

<u>COMPANY</u> <u>LEASE</u>	<u>WELL</u> <u>UNIT</u>	S.T.R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
Spears, Wayne J. Zimmerman	2 F	35-10S-25E	6-25-61	F 22 BO	3712 DF	1293	1193	San Andres
Peters, M.G. Drilg. Co. Gulf State	1 H	17-10S-27E	4-4-61	TA		449		
Sinclair Oil & Gas Co. State Chaves 180	1 A	31-10S-27E	8-16-61	P & A	3723 DF	6930		
Spears, Wayne J. Phillips Federal	1 L	23-11S-26E	11-1-61	P & A	3673 DF	200		
Robertson, C. T. Magnolia State	1 P	11-11S-27E	2-20-61	TA		1103		
Hanson, Earnest A. Levick State "D"	3 B	15-11S-27E	2-3-61	P 30 BO	3685	1005	877	Queen
Spears, Wayne J. Spears State	3 G	28-11S-27E	1-20-61	P 9 BO	3721 DF	915	846	Queen
Trice Production Co. Landess, John	1 K	22-11S-31E	5-22-61	P & A	4479 DF	11025		
Sunray Mid-Cont. Oil Co. State "AB"	A-1 W	12-12S-31E	8-15-61	P & A	4425 DF	3152		
Harlan Prod. Co. Williams	2 P	3-13S-31E	7-26-61	Inj.		3033		
Harlan, John L. Federal	1 H	10-13S-31E	10-11-61	TA	4431 DF	3037		
Williams Federal	1 I	10-13S-31E	11-17-61	P 39 BO	4435 DF	3040	3023	Queen
Williams Federal	2 P	10-13S-31E	11-30-61	P 35 BO	4434	3036	3012	Queen
Whaley Co., Inc. Federal Whaley	5 O	15-13S-31E	8-1-61	P 20 BO	4429 GR	3049	3026	Queen
Campana Pbt. Corp. Lankford, R.	1 P	2-14S-26E	2-17-61	P & A	3402 DF	1373		
Philtex Oil Co. Honolulu Federal	1 K	9-14S-29E	12-31-61	P & A	3729 KB	9894		
BTA Oil Producers H F	1 G	27-14S-29E	7-22-61	P & A	3842 KB	10242		
Texaco, Inc. Cone	1 J	23-15S-29E	12-8-61	P & A	3949 DF	12166		
Mayer, Len Mask	1 N	26-15S-30E	6-16-61	P & A	4104 DF	3446		
Texaco, Inc. Spencer, B.E. Fed. "B"	1 D	28-15S-30E	1-10-61	P & A	4012 DF	11353		
McIntosh	1 M	34-15S-30E	3-3-61	160 BO	4029 DF	3357	3128	Grayburg
McIntosh Fed.	2 N	34-15S-30E	7-19-61	P & A	4007 DF	3215		
Union Oil Co. of Calif. S. Caprock Qu. Ut. Tr. 9	3 C	5-15S-31E	4-11-61	Inj.				
S. Caprock Qu. Ut. Tr. 9	6 F	5-15S-31E		Inj.				
S. Caprock Qu. Ut. Tr. 61	1 A	7-15S-31E		Inj.				
Sunray Mid-Cont. Oil Co. State "AB"	1 I	22-15S-31E	7-25-61	P & A	4394 DF	3280		
<u>CURRY COUNTY</u>								
Franklin, Aston & Fair, Inc. Green Estate	1 L	10-5N-32E	6-29-61	P & A	4700 GR	8180		

COMPANY LEASE	WELL UNIT	S.T.R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
<u>DE BACA COUNTY</u>								
Pipkin, E. H. Norton	1 N	15-2S-24E	9-27-61	P & A	4120	-388		
<u>EDDY COUNTY</u>								
Continental Oil Co. Hitchcock	3 C	27-16S-27E	1-25-61	P & A	3480 DF	1460		
Hanson, Ernest A. Hanson Fed. "A"	5 L	27-16S-27E	10-1-61	F 4 BO	3445 GR	1379	1368	Grayburg
Spears, Wayne J. Hanson "A" Hanson Fed. "A"	13 G 9 A	27-16S-27E 33-16S-27E	1-16-61 7-12-61	P & A P & A	3506 DF	1460 425		
Hanson, Ernest A. Hitchcock Fed. "A"	8 D	34-16S-27E	10-1-61	F 1 BO	3421 DF	1362	1340	Grayburg
Kincaid & Watson Humble 9 Delhi Taylor 33 Kemper State	1 N 1 H 2 A	9-16S-28E 33-16S-28E 36-16S-28E	11-8-61 4-19-61 4-24-61	P & A 300 MCF P & A	3577 GR	1787 1443 2386	1380	Grayburg
McClellan, Jack L. Simmons Simmons Fed.	1 G 2 K	24-16S-29E 24-16S-29E	9-5-61 12-11-61	F 45 BO F 50 BO	3730 DF 3725 DF	2809 2778	2658 2634	Grayburg Grayburg
Wright, J. Grady McCallister Fed.	1 D	28-16S-29E	2-7-61	F 10 BO	3635 GR	3138	1917	Queen
Yates, John A. Margaret "B" Fed.	1 I	28-16S-29E	8-1-61	F 8 BO	3616 DF	2550	1928	Queen
Dean, Bob, Ltd. Southern Union Fed. Southern Union Fed. Southern Union Fed.	2 K 3 O 4 S	1-16S-30E 1-16S-30E 1-16S-30E	4-12-61 5-12-61 8-3-61	F 170 BO F 145 BO F 47 BO	3947 DF 3957 DF 3937 DF	3042 3088 3114	3026 3046 3060	Grayburg Grayburg Grayburg
McClellan, Jack L. Southern Union	1-X L	1-16S-30E	1-15-61	F 150 BO	3934 GR	3005	2980	Grayburg
Southern Union Prod. Co. Taylor Taylor Fed. Taylor Fed. Taylor Fed. Taylor Fed.	1 F 2 J 3 G 6 M 7 E	1-16S-30E 1-16S-30E 1-16S-30E 1-16S-30E 1-16S-30E	5-22-61 6-5-61 9-12-61 7-15-61 7-24-61	F 144 BO F 400 BO P & A F 48 BO P & A	3962 DF 3993 3975 DF 3636 KB 3958 KB	3068 3093 3107 3053 3120	3031 3061	Grayburg Grayburg Grayburg Grayburg
Humble Oil & Rfg. Co. State "BC" State "BC" State "BC" State "BC" State "BN"	4 I 5 P 6 O 7 J 1 Q	2-16S-30E 2-16S-30E 2-16S-30E 2-16S-30E 2-16S-30E	6-4-61 7-13-61 10-12-61 12-12-61 9-6-61	F 816 BO F 227 BO F 496 BO TA F 444 BO	3946 DF 3937 DF 3927 DF 3939 DF	3150 3175 3019 3007 3075	2991 3008 2990	Grayburg Grayburg Grayburg Grayburg
Shell Oil Co. Henshaw Deep Ut. Henshaw Deep Ut.	2 O 3-N K	24-16S-30E 24-16S-30E	4-9-61 11-4-61	F 263 BO F 136 BO	3822 DF 3853 DF	1000 9610	9124 8711	Pennsylvanian Wolfcamp
Continental Oil Co. State Y-3	2 Q	3-16S-31E	6-21-61	F 123 BO	4427 KB	3970	3907	Grayburg
Hubbard, J. C. B W State	1 P	3-16S-31E	12-3-61	P & A	4431 KB	3942		
Trigg, John H. Federal A	3 W	3-16S-31E	11-5-61	F 145 BO	4258 KB	3794	3744	Grayburg
Leonard Oil Co. Humble St. E 8633	1 W	5-16S-31E	8-7-61	P 48 BO	4061 GR	3467	3402	Grayburg



COMPANY LEASE	WELL UNIT	S.T.R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
Shell Oil Co.								
Trigg	1 S	5-16S-31E	5-28-61	P 199 BO	4054 DF	3500	3326	Grayburg
Trigg Fed.	3 T	5-16S-31E	8-4-61	F 210 BO	4026 DF	3480	3271	Grayburg
Trigg Fed.	4 V	5-16S-31E	11-1-61	P 6 BO	4053	3550	3355	Grayburg
Trigg Fed.	5 U	5-16S-31E	8-30-61	F 403 BO	4034 DF	3375	3291	Grayburg
Trigg, John H.								
Federal "FV"	2 R	5-16S-31E	9-22-61	F 144 BO	4083 DF	3454	3395	Grayburg
Federal "FV"	3 M	5-16S-31E	9-27-61	F 117 BO	4035 KB	3417	3274	Grayburg
Federal "FV"	4 N	5-16S-31E	10-18-61	F 168 BO	4053 KB	3390	3323	Grayburg
Shell Oil Co.								
Trigg Federal	2 P	6-16S-31E	7-5-61	F 294 BO	4023 DF	3450	3233	Grayburg
Trigg Federal	6 Q	6-16S-31E	8-22-61	F 224 BO	4012 DF	3330	3231	Grayburg
Trigg Federal	7 R	6-16S-31E	12-20-61	F 258 BO	3997 DF	3280	3194	Grayburg
Trigg Federal	8 X	6-16S-31E	12-31-61	F 82 BO	4016 DF	3361	3255	Grayburg
Leonard Oil Co.								
Midwest	1 H	8-16S-31E	7-1-61	F 113 BO	4054 DF	3456	3390	Grayburg
Martin, Williams & Judson								
Gulf "FE"	1 A	8-16S-31E	11-19-61	F & A	4080 KB	3525		
Trigg, John H.								
Federal "A"	2 B	9-16S-31E	9-5-61	F 120 BO	4140 DF	3650	3612	Grayburg
Federal "A"	6 G	9-16S-31E	10-25-61	F 144 BO	4126 KB	3641	3571	Grayburg
Stand. Oil Co. of Tex.								
Federal 14	4 G	10-16S-31E	3-25-61	F 225 BO	4238 DF	3820	3720	Grayburg
Federal 14	5 J	10-16S-31E	7-13-61	F 37 BO	4240 DF	3824	3730	Grayburg
Federal 15	5 F	10-16S-31E	1-23-61	F 432 BO	4198 DF	3790	3698	Grayburg
Federal 15	6 K	10-16S-31E	5-18-61	F 285 BO	4199 DF	3868	3676	Grayburg
Federal 15	7 L	10-16S-31E	6-21-61	P & A	4186 KB	3719		
Trigg, John H.								
Federal "A"	1 A	10-16S-31E	8-18-61	TA	4289 KB	3872		
Federal "A"	4 H	10-16S-31E	11-21-61	F 112 BO	4288 KB	3871	3825	Grayburg
Federal "A"	5 I	10-16S-31E	12-1-61	F 85 BO	4274 KB	3868	3787	Grayburg
Dean, Bob, Ltd.								
Mobil State	1 D	11-16S-31E	12-30-61	F 128 BO	4415 DF	4018	3974	Grayburg
Shell Oil Co.								
Vickers	1 L	18-16S-31E	2-17-61	F & A	3924 DF	3378		
DOB Oil Properties, Inc.								
Federal "A"	1 O	20-16S-31E	1-14-61	F 64 BO	3969 DF	3517	3366	San Andres & Grayburg
Federal "A"	2 P	20-16S-31E	6-30-61	F 55 BO	3994 DF	3582	3354	Grayburg
Western Oil Fields, Inc.								
Grier	13 J	20-16S-31E	11-13-61	F 183 BO	3971 DF	3535	3502	San Andres
Hanson, Ernest A.								
Hondo State	1 G	24-16S-31E	1-13-61	F 37 BO	4391 DF	4218	3630	Queen, San Andres & Grayburg
DOB Oil Properties, Inc.								
Federal "B"	1 P	25-16S-31E	2-12-61	F 60 BO	4204 DF	4060	3757	Grayburg & San Andres
Federal "B"	2 H	25-16S-31E	5-15-61	F 36 BO	4208 DF	4084	3891	Grayburg & San Andres
BTA Oil Producers Trust								
Trust	1 F	27-16S-31E	12-20-61	F 62 BO	4073 DF	3768	3579	Grayburg & San Andres
Travis, J. J.								
Federal Sheldon	1 C	28-16S-31E	5-12-61	F 68 BO	4029 DF	3726	3460	Grayburg & San Andres
Sheldon	2 I	28-16S-31E	7-23-61	P & A	4034 DF	3710		
Newmont Oil Co.								
Carpenter "C"	1 J	29-16S-31E	7-10-61	F 47 BO	3956 DF	3526	3478	San Andres

COMPANY LEASE	WELL UNIT	S.T.R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
DOB Oil Properties W. Dev. Co. St. "A"	1 P	32-16S-31E	8-15-61	F 55 BO	3929 DF	3515	3240	Grayburg & San Andres
BTA Oil Producers Kennedy	4 M	33-16S-31E	5-22-61	F 54 BO	3944 KB	3562	3274	Grayburg & San Andres
Kennedy	5 L	33-16S-31E	8-4-61	F 110 BO	3947 DF	3553	3285	Grayburg & San Andres
Kennedy	6 P	34-16S-31E	10-31-61	F 40 BO	4020	3751	3475	Grayburg & San Andres
DOB Oil Properties Federal "C"	1 P	35-16S-31E	4-1-61	P 52 BO	4061 DF	3930	3621	Grayburg & San Andres
Federal "C"	2 I	35-16S-31E	11-15-61	P 35 BO	4075 DF	3939	3638	Grayburg & San Andres
BTA Oil Producers Constate	1 C	36-16S-31E	7-20-61	P 97 BO	4166 DF	4036	3727	San Andres & Grayburg
Constate	2 E	36-16S-31E	9-24-61	P 48 BO	4108 KB	3975	3724	Grayburg & San Andres
Constate	3 J	36-16S-31E	12-22-61	F 48 BO	4104 DF	3977	3784	Grayburg & San Andres
Hustate	1 W	36-16S-31E	10-16-61	P 58 BO	4075 DF	3955	3685	Grayburg & San Andres
Hustate	2 L	36-16S-31E	11-24-61	P 39 BO	4084 DF	3939	3656	Grayburg & San Andres
DOB Oil Properties W. Dev. St. "B"	1 F	36-16S-31E	12-31-61	P 35 BO	4115 DF	3986	3746	Grayburg & San Andres
McGee, Taft McGee Sharp	1 L	13-17S-26E	6-28-61	TA	3299 GR	1688		
Bedingfield, J. E. Federal	1 L	14-17S-27E	11-15-61	F & A		30		
Johnson, Bob Federal	2 D	14-17S-27E	10-15-61	F & A		30		
Jeffers, E. Federal "D"	1 F	15-17S-27E	7-12-61	F & A		825		
Federal "J"	1 D	15-17S-27E	11-15-61	F & A		80		
Hondo Oil & Gas Co. Federal 242	1 L	26-17S-27E	11-16-61	F & A	3502 GR	562		
Federal 242-A	1 D	26-17S-27E	11-15-61	F & A	3543 GR	650		
Carp. Siv. Emp. Joint Acct. Magruder	15 K	35-17S-27E	10-13-61	F & A	3641 KB	5704		
Kersey & Co. Ramapo	5 I	36-17S-27E	8-25-61	F 192 BO	3682 DF	5890	5738	Abo
Yates, Martin III Dooley State Abo	2 J	36-17S-27E	2-27-61	F 594 BO	3654 KB	5970	5749	Abo
Dooley State Abo	3 K	36-17S-27E	4-22-61	120 BO	3622 DF	5865	5659	Abo
Smith, Roy H. DrLg. Co. Kemper State	1 W	1-17S-28E	10-20-61	F & A	3616 DF	1805		
Kersey & Co. Federal	1 F	3-17S-28E	8-15-61	F 516 MCF	3628 DF	1625	1507	Queen
Kersey & Donohue Federal	2 G	3-17S-28E	12-11-61	F 2476 MCF	3578 DF	2017	1442	Queen
Boyd, Tom N C B	1 K	10-17S-28E	10-13-61	F & A	3547 DF	2115		
Continental Oil Co. State "P"	1 N	12-17S-28E	6-13-61	F 72 BO	3632 DF	1704	1666	Queen
State "P"	2 B	12-17S-28E	10-26-61	F 21 BO	3610	1824	1785	Queen

COMPANY LEASE	WELL UNIT	S, T, H.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
McCoy & Stevens Atlantic State "A"	1 E	12-17S-28E	5-26-61	F 65 BO	3612 GR	1685	1635	Queen
Atlantic State "A"	2 F	12-17S-28E	9-6-61	F 50 BO	3639 DF	1717	1683	Queen
Superior State	1 L	12-17S-28E	10-23-61	F 37 BO	3616 DF	1690	1656	Queen
Welch, V. S. Federal	1 M	14-17S-28E	12-5-61	F 40 BO	3713 DF	2363	2172	Grayburg
Kincaid & Watson Aztec Federal	3 H	15-17S-28E	4-14-61	F 50 BO	3631 DF	2143	2108	Grayburg
Federal	3 I	15-17S-28E	2-13-61	F 60 BO	3677 DF	2157	2128	Grayburg
McCoy & Stevens Malco	1 K	23-17S-28E	1-9-61	F 45 BO	3698 DF	2148	2118	Grayburg
Donnelly Drilg. Co., Inc. F. W. & Y State	3 B	25-17S-28E	3-14-61	F 35 BO	3671 DF	2222	845	Yates
Hondo, Western & Yates State "A"	44 F	25-17S-28E	11-6-61	F 1119 BO	3676 KB	6325	6264	Abc
Western Yates State 647	166 L	26-17S-28E	1-16-61	F 360 BO	3670 DF	2098	2072	Grayburg
State 647	168 N	26-17S-28E	1-5-61	960 BO	3691 DF	2156	2136	Grayburg
State 647	169 O	26-17S-28E	1-20-61	F 540 BO	3686 DF	2200	2162	Grayburg
State 647	173 P	26-17S-28E	9-5-61	F 62 BO	3672 DF	2230	2191	Grayburg
Castle & Wigzell N.G. Phillips State	4 I	27-17S-28E	1-4-61	F 53 BO	3663 DF	2083	2056	Grayburg
N.G. Phillips State	5 J	27-17S-28E	3-15-61	F 49 BO	3660 DF	2062	2024	Grayburg
N.G. Phillips State	6 I	27-17S-28E	7-5-61	P 15 BO		874	830	Seven Rivers
N.G. Phillips State	7 F	27-17S-28E	12-8-61	F 56 BO	3654 DF	2011	1952	Grayburg
Mix & Curtis Collier State	1 L	27-17S-28E	9-11-61	F 50 BO	3680 DF	2018	1984	Grayburg
Pan Amer. Pet. Corp. State "B2"	3 J	27-17S-28E	6-27-61	F 108 BO	3668 DF	6199	6060	Abc
Red Lake Oil Co. State Levers	23 A	27-17S-28E	6-1-61	P 7 BO	3596 DF	2355	1906	Grayburg
Samedan Oil Corp. Walker State	2 O	27-17S-28E	5-3-61	F 85 BO	3670 DF	2079	2040	Grayburg
Yates, John A. Lois Mae State	1 K	27-17S-28E	6-22-61	F 44 BO	3669 DF	2139	786	Seven Rivers
Castle & Wigzell Delhi State	2 M	28-17S-28E	8-28-61	F 37 BO	3683 DF	6048	1932	Grayburg
Western Yates State 647	179 H	32-17S-28E	12-6-61	F 51 BO	3688 DF	1973	1920	Grayburg
Castle & Wigzell Delhi State	3 D	33-17S-28E	10-24-61	F 39 BO	3677 GR	1970	1922	Grayburg
Cactus Drilg. Co. Pan Amer. State	1 A	34-17S-28E	6-24-61	F 90 BO	3676 DF	2590	2100	Grayburg
Silverthorne, R. Q. Moore State	1 H	34-17S-28E	9-1-61	F 40 BO	3679 DF	2328	2172	Grayburg
Moore State	2 F	34-17S-28E	9-10-61	F & A		2216		
Castle & Wigzell Welch State	2 E	35-17S-28E	8-17-61	P & A	3687 DF	2304		
Hondo, Western & Yates State "A"	39 K	35-17S-28E	8-23-61	F 1560 BO	3688 DF	6378	6297	Abc
State "A"	40 H	35-17S-28E	9-6-61	F 1560 BO	3682 KB	6422	6274	Abd
State "A"	41 J	35-17S-28E	9-23-61	F & A	3679 DF	6470		

COMPANY LEASE	WELL UNIT	S.T.R.	COMP. DATE	INIT. PROD. TEST	RELIEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
Western, Yates								
State 647	170 C	35-17S-28E	2-12-61	F 360 BO		2215	2167	Grayburg
State 647	171 B	35-17S-28E	8-20-61	F 51 BO	3685 DF	2255	2195	Grayburg
State 647	172 A	35-17S-28E	9-1-61	F 50 BO	3673 DF	2267	2160	Grayburg
Hondo, Western & Yates								
State "A"	42 D	36-17S-28E	10-7-61	F 2064 BO	3688 DF	6400	6238	Abo
State "A"	43 C	36-17S-28E	10-22-61	F & A	3697 KB	6496		
Kincaid & Watson								
Wright Federal	1 A	1-17S-29E	8-5-61	F 60 BO	3684 DF	2838	2557	Grayburg
Tex. N. M. Dev. Co.								
Federal 22	1-X E	19-17S-29E	3-1-61	F & A	3684 DF	1671		
Federal 22	2 F	19-17S-29E	5-11-61	F & A	3691 DF	930		
Leonard Oil Co.								
State B-1266	15 P	21-17S-29E	7-24-61	F 120 BO	3551 DF	3350	3235	San Andres
Boyd & Plemmons								
Continental St. 27	5 D	27-17S-29E	3-23-61	F 240 BO		3224	3180	San Andres
Continental Oil Co.								
State S-30	1 W	30-17S-29E	1-21-61	F 215 BO	3671 DF	6375	6269	Abo
State S-30	2 E	30-17S-29E	7-26-61	F 192 BO		6353	6276	Abo
State S-30	3 L	30-17S-29E	11-17-61	F 360 BO	3664	6350	6270	Abo
Gen. Amer. Oil Co. of Tex.								
Green "A"	5 G	30-17S-29E	12-5-61	F 864 BO	3643 GR	6313	6272	Abo
Green "A"	6 H	30-17S-29E	12-23-61	F 1044 BO	3643 KB	6306	6265	Abo
Humble Oil & Refg. Co.								
State "BK"	1 L	30-17S-29E	3-21-61	F 280 BO	3660 DF	6360	6268	Abo
West. Dev. Co. of Dela.								
Leonard Federal	7 J	30-17S-29E	10-16-61	F 1800 BO	3646 GR	6370	6161	Abo
Leonard Federal	8 I	30-17S-29E	11-16-61	F 1275 BO	3634 DF	6360	6240	Abo
East, C. L.								
Continental State	1 P	33-17S-29E	3-1-61	TM		3100		
Kincaid & Watson								
Wright Federal	2 D	6-17S-30E	10-1-61	F 60 BO	3692 DF	2774	2587	Grayburg
Coilier, R. D.								
McCullogh State	2 M	16-17S-30E	7-2-61	43 BO	3661 DF	2100	2052	Queen
Franklin, Aston & Fair								
McIntyre "A"	4 I	20-17S-30E	2-21-61	F 132 BO	3646 DF	6857	6780	Abo
McIntyre "A"	5 F	20-17S-30E	5-4-61	F 400 BO	3644 DF	6830	6770	Abo
Chambers & Kennedy								
Sinclair Federal	2 J	21-17S-30E	12-3-61	F 84 BO	3661 DF	6875	6863	Abo
Franklin, Aston & Fair								
Brigham B	2 L	21-17S-30E	7-31-61	F 190 BO	3644 DF	6840	6762	Abo
Sinclair Oil & Gas Co.								
McIntyre "D"	11 A	21-17S-30E	1-11-61	F & A	3662 GR	7000		
T. P. Coal & Oil Co.								
USA Woolley "A"	2 N	21-17S-30E	7-9-61	F & A	3647 DF	7000		
USA Woolley	3 K	21-17S-30E	10-18-61	F 289 BO	3645 DF	6828	6780	Abo
Chambers & Kennedy								
Sinclair	1 L	22-17S-30E	6-14-61	F & A	3653 DF	7060		
Nash, Windfour & Brown								
Jackson "B"	22 K	24-17S-30E	3-17-61	F 85 BO	3705 DF	7050	6921	Abo
Jackson "B"	23 J	24-17S-30E	5-28-61	F 132 BO	3681 DF	7028	6970	Abo
Ambassador Oil Corp.								
Federal "M"	6 J	31-17S-30E		Inj.				

COMPANY LEASE	WELL UNIT	S.T.R.	COMP. DATE	DMPT. PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
Newmont Oil Co.								
Brigham	5 I	31-178-30E	11-13-61	F 7 BO	3559	2683	2834	Grayburg
Tallmadge	4 N	32-178-30E	3-21-61	Inj.	3552 DF	2905		
Odessa Natural Gas Co.								
El Paso State	1 A	36-178-30E	2-23-61	6200 MCF	3654 DF	11661	11357	Pennsylvanian
Featherstone, Olen F.								
State	10 K	2-178-31E	1-9-61	F 120 BO	3990 DF	3645	3501	Grayburg
Mid-Century Oil & Gas Co.								
Tidewater St. of N. M.	3 E	2-178-31E	1-21-61	F 210 BO	3994 DF	3795	3489	San Andres
Tidewater St. of N. M.	4 H	2-178-31E	2-8-61	F 106 BO	4023 DF	3850	3579	Grayburg
Tidewater St.	5 A	2-178-31E	7-7-61	F 38 BO	4033 DF	3851	3586	Grayburg
Sinclair Oil & Gas Co.								
West, H. E. "A"	12 H	3-178-31E	5-23-61	F 16 BO	3975 DF	3760	3544	Grayburg
West "B"	25 F	3-178-31E	1-10-61	F 178 BO	3953 GR	3675	3541	Grayburg
West "B"	26 I	3-178-31E	3-18-61	F 6 BO	3968 GR	3757	3714	San Andres
West "B"	27 N	4-178-31E	8-26-61	TA	3908 GR	12860		
Skelly Oil Co.								
Lea "C"	4 J	11-178-31E	5-14-61	F 387 BO	3954	3798	3703	San Andres
Lea "C"	5 O	11-178-31E	7-30-61	F 160 BO	3941 DF	3816	3570	Grayburg
Lea "A"	11 N	14-178-31E	8-16-61	F 89 BO	3893 DF	3850	3568	San Andres
Lea "A"	12 L	14-178-31E	10-10-61	F 135 BO	3897 DF	3844	3555	San Andres
Lea "B"	11 C	14-178-31E	5-17-61	F 92 BO	3927 DF	3730	3410	Grayburg
Lea "B"	12 F	14-178-31E	9-19-61	F 50 BO	3913 DF	3728	3694	San Andres
Dow "A"	7 L	15-178-31E	3-17-61	F 225 BO	3868 DF	3714	3619	San Andres
Dow "A"	8 J	15-178-31E	3-8-61	F 108 BO	3860 DF	3764	3508	San Andres
Dow "A"	9 H	15-178-31E	6-5-61	F 58 BO	3889 DF	3642	3546	San Andres
Dow "A"	10 K	15-178-31E	7-6-61	F 243 BO	3870 DF	3600	3491	San Andres
Dow "A"	11 I	15-178-31E	8-22-61	F 114 BO	3878 DF	3659	3408	San Andres
Dow "A"	12 G	15-178-31E	9-26-61	F 76 BO	3883 DF	3657	3516	San Andres
Dow "A"	13 P	15-178-31E	11-5-61	284 BO	3882 DF	3811	3521	San Andres
Marchison & Clovuit								
State "B"	4 I	16-178-31E	8-15-61	F 51 BO	3855 DF	3782	3184	San Andres
Fren Oil Co.								
Friess	16 P	19-178-31E	9-16-61	F 175 BO	3613 KB	7067	6972	Abo
Sinclair Oil & Gas Co.								
Turner "B" SP	78 J	20-178-31E	8-7-61	F 51 BO	3691 DF	3600	3046	Grayburg
Skelly Oil Co.								
Lynch "A"	15 B	22-178-31E	11-19-61	F 531 BO	3876 DF	3794	3481	San Andres
Lynch "A"	16 H	22-178-31E	12-1-61	F 543 BO	3866 DF	3820	3509	San Andres
Lea "B"	13 K	23-178-31E	12-9-61	F 155 BO	3873 DF	3854	3808	San Andres
Lea "B"	14 L	23-178-31E	12-16-61	F 70 BO	3866 DF	3835	3769	San Andres
Hudson, Wm. A & Ed. R.								
Puckett "A"	21 G	24-178-31E	2-11-61	F 51 BO	3903 DF	3945	3676	San Andres
Puckett "A"	22 I	24-178-31E	3-3-61	F 139 BO	3909 DF	3970	3686	San Andres
Puckett "B"	20 N	25-178-31E	1-19-61	168 BO	3843 DF	4006	3864	San Andres
Skelly Oil Co.								
Lea "D"	6 J	26-178-31E	1-8-61	F 53 BO	3837 DF	3981	3850	San Andres
Row "B"	37 J	28-178-31E	6-14-61	F 25 BO	3783 DF	3810	3730	San Andres
Sinclair Oil & Gas Co.								
Turner "B" SP	75 D	29-178-31E	8-9-61	F & A	3638 DF	9900		
Turner "B" SP	76 P	30-178-31E	1-29-61	F & A	3659 DF	3597		
Turner "B" SP	77 M	30-178-31E	6-20-61	F 516 BO		11475	10919	Pennsylvanian
Brown, James G. & Assoc.								
State "M"	1 C	32-178-31E	6-5-61	F 168 BO	3736 DF	3704	3534	Grayburg
State "M"	2 D	32-178-31E	8-10-61	F & A	3724 DF	3756		
Yates Pet. Corp.								
Federal A-B	1 M	32-183-25E	10-10-61	F & A	3618 GR	1665		

COMPANY LEASE	WELL UNIT	S.T.R.	COMP. DATE	INIT. PROD. TEST	ELEV. ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
National Drilg. Co., Inc. Leavitt	11 C	13-18S-26E	3-2-61	F 33 BO	3297 DF	987	960	Grayburg
Leavitt	12 D	13-18S-26E	2-24-61	F 34 BO	3301 DF	982	964	Grayburg
Panning	3 I	14-18S-26E	1-2-61	F 7 BO	3308 DF	991	948	Grayburg
Leavitt	10 A	14-18S-26E	2-15-61	F 26 BO	3300 DF	968	950	Grayburg
Yates Brow. Pet. Corp. Gushwa, Bob	1 J	21-18S-26E	4-4-61	30,000 MCF	3388 DF	9231	9052	Pennsylvanian
Pan Amer. Pet. Corp. Lee Gas Ut. "C"	1 E	22-18S-26E	5-30-61	F 935 MCF	3360 DF	9380	9003	Pennsylvanian
Mallard Pet., Inc. Mayer Holt	1 I	28-18S-26E	9-14-61	11,200 MCF	3413 DF	9315	9057	Pennsylvanian
Yates Pet. Corp. Mayer, Len	1 D	28-18S-26E	4-1-61	34,000 MCF	3434 DF	9225	9009	Pennsylvanian
Ohio Oil Co. Culpepper Unit	1 J	30-18S-26E	9-21-61	F & A	3447 DF	9355		
Nix & Curtis	1 D	32-18S-26E	8-10-61	F & A	3428 DF	9295		
Campbell, E. P. Cleveland	2 B	33-18S-26E	8-30-61	TA	3389 DF	5203		
Humble Oil & Rfg. Co. Fed. Emp. Abo	4 P	1-18S-27E	12-14-61	F 149 BO	3546 DF	6250	6218	Abo
ACBD Unit	21 K	4-18S-27E	4-26-61	P & A	3597 DF	5620		
Pan Amer. Pet. Corp. USA Mal. Rfg. M Gas Ut.	1 G	4-18S-27E	10-30-61	F 59 BO	3598 DF	9815	3050	Paddock
Hudson, William Malco "B"	2 G	6-18S-27E	1-10-61	F 25 BO	3470 DF	2052	1856	San Andrea
Humble Oil & Rfg. Co. ACBD Unit	22 I	8-18S-27E	1-21-61	F 165 BO	3483 DF	5576	5370	Abo
Pan Amer. Pet. Corp. USA Mal. Rfg. "G"	13 K	10-18S-27E	9-23-61	TA	3461 DF	6093		
Humble Oil & Rfg. Co. Abo Chalk Bluff Dril. Ut. 19 N	19 N	16-18S-27E	1-21-61	F 106 BO	3435 DF	5985	5670	Abo
Pan Amer. Pet. Corp. State "CE"	1 H	16-18S-27E	7-25-61	F 193 BO	3447 DF	5847	5774	Abo
Humble Oil & Rfg. ACBD Unit	11 B	17-18S-27E	1-21-61	F 240 BO	3456 DF	5638	5456	Abo
ACBD Unit	20 I	17-18S-27E	1-14-61	TA	3437 DF	5970		
ACBD Unit	24 J	17-18S-27E	6-20-61	F 403 BO	3450	5600	5478	Abo
ACBD Unit	25 I	17-18S-27E	6-21-61	F 162 BO	3441 DF	5602	5316	Abo
ACBD Unit	26 K	17-18S-27E	9-16-61	F 35 BO	3404 DF	5555	5468	Abo
ACBD Unit	27 F	17-18S-27E	12-13-61	P & A	3400 DF	5655		
Moorehead, J. B. Federal	1 M	21-18S-27E	3-15-61	P & A	3375 DF	1625		
Sims & Reese Oil Co. Western Dev.	2 N	26-18S-27E	6-12-61	P 9 BO	3491 DF	1875	1857	Grayburg
Kaiser Fee	1 E	29-18S-27E	4-17-61	P 35 BO	3288 DF	1432	1375	Grayburg
Pan American Pet. Corp. State "CD"	1 O	6-18S-28E	6-7-61	P & A	3637 DF	6412		
Collier, R. D. Western State	1 P	20-18S-28E	4-3-61	F 39 BO	3599 DF	2442	1983	Grayburg
West. Ya. State	2 E	20-18S-28E	9-2-61	P 10 BO	3600	2312	1970	Grayburg
Gravidge Corp. Lackawanna State	4 G	21-18S-28E	4-20-61	Inj.		2165		
Allen, Toomey	2 J	28-18S-28E	2-10-61	Inj.		2298		

COMPANY LEASE	WELL UNIT	S.T.R.	COMP. DATE	INIT. PROD. TEST	ELEV. FEET	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
Graridge Corp. Resler Yates St.	384 H	28-18S-28E	2-10-61	Inj.		2160		
Resler Yates St.	385 H	28-18S-28E	2-6-61	Inj.		2182		
Resler Yates St.	343 O	29-18S-28E	12-21-61	P 3 BO	3542 DF	2050	2006	Grayburg
McCoy & Stevens Ohio State	1 E	36-18S-28E	9-6-61	P & A	3431 DF	2945		
Newmont Oil Co. Ballard "A"	5 I	1-18S-29E	7-3-61	P 18 BO	3520 DF	2797	2760	Grayburg
Yates, Harvey E. Dunn	1-X P	7-18S-29E	6-7-61	TA	3537 DF	3337		
Trigg, John H. Fed. Sivley Yates	1 H	19-18S-29E	5-28-61	P & A	3583 KB	9837		
Yates, S.P. & Martin III Travis	1 P	19-18S-29E	12-23-61	F 76 BO	3541 KB	2405	2338	Grayburg
Yates, Harvey, S.P. & Martin III Federal 70	1 M	20-18S-29E	5-13-61	F 65 BO	3530 DF	2798	2387	Grayburg
Yates, S.P. & Martin III Western Federal	1 N	20-18S-29E	8-5-61	F 75 BO	3329 KB	2700	2445	Grayburg
Kersey & Co. & E.A. Hanson Denton	2 O	21-18S-29E	3-1-61	P 5 BO	3468 DF	2025	1991	Queen
Denton	2-A E	27-18S-29E	2-6-61	P & A	3438 DF	2014		
Parry	1 J	28-18S-29E	5-15-61	F 14 BO	3429 DF	2039	2000	Queen
Federal "YD"	3 K	28-18S-29E	8-12-61	P 25 BO	3449 DF	2050	2008	Queen
Trigg, John H. Fed. Siv. Jennings	1 E	28-18S-29E	6-10-61	P 41 BO	3470 KB	2036	1996	Queen
Fed. Siv. Jennings	2 L	28-18S-29E	7-7-61	F 47 BO	3461 KB	2030	1991	Queen
Fed. Siv. Jennings	3 M	28-18S-29E	7-17-61	F 49 BO	3430 KB	1992	1966	Queen
Fed. Siv. Jennings	4 N	28-18S-29E	7-28-61	P 48 BO	3430 KB	2021	1982	Queen
Yates Drlg. Co. Federal "DY"	1 A	28-18S-29E	4-22-61	F 45 BO	3462 DF	2042	1969	Queen
Federal "DY"	2 G	28-18S-29E	4-22-61	F 75 BO	3450 DF	2047	1978	Queen
Federal "DY"	3 B	28-18S-29E	4-30-61	F 45 BO	3468 DF	2055	1988	Queen
Federal "DY"	4 H	28-18S-29E	4-30-61	F 50 BO	3439 DF	2040	1977	Queen
Yates, S.P. & Martin III Fed. Alscott	1 A	30-18S-29E	8-7-61	F 47 BO	3517 KB	2603	2390	Grayburg
Trigg, John H. Sivley-Alscott	2 M	31-18S-29E	5-5-61	P & A	3386 KB	3002		
Yates, S.P. & Martin III Trigg Sivley	1 B	31-18S-29E	11-8-61	P & A	3443 DF	2935		
Newmont Oil Co. Yates "A"	14 H	6-18S-30E	4-28-61	P 40 BO	3552	2858	2848	Grayburg
Smith, A. J. Drlg. Co. Federal	1-A L	17-18S-30E	7-4-61	F 120 BO	3484 DF	3110	2980	Grayburg
So. Union Fed.	1 E	17-18S-30E	10-2-61	P & A	3496 DF	3214		
Smith Federal	1 P	18-18S-30E	8-26-61	P & A	3499 DF	3099		
Mayer, Len Creek	1 P	24-18S-30E	9-1-61	P & A	3637 DF	3603		
Hanson, Ernest A. Ginsberg Fed.	1 O	25-18S-30E	10-18-61	F 264 BO	3543 DF	2533	2490	Yates
Silverthorne, R. Q. Lanning Federal	1 P	25-18S-30E	9-1-61	F 50 BO	3559 DF	2564	2529	Yates
Reading & Bates Featherstone Fed.	1 O	27-18S-30E	11-12-61	P 100 BO	3441 GR	3201	2810	Queen

COMPANY LEASE	WELL UNIT	S.T.R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
Reading & Bates, Inc.								
Jones Fed. 2	1 B	34-188-30E	8-29-61	F 198 BO	3444 DF	3113	2825	Queen
Simms	1 C	34-188-30E	7-22-61	F 245 BO	3462 DF	3409	2926	Queen
Simms Fed.	2 F	34-188-30E	12-6-61	F 264 BO	3460 CR	3145	2948	Queen
Hondo Oil & Gas Co. State "RD"	9 B	36-188-30E	11-18-61	P & A	3550 DF	2572		
Haskins, Paul E. Edwards	4 A	9-188-31E	2-11-61	F 44 BO	3719 DF	4085	3930	Grayburg
Edwards Fed.	5 C	9-188-31E	8-29-61	TA	3707 DF	4050		
Johnson, Bob Fed. Swearingen "B"	5 O	14-188-31E	10-24-61	F 55 BO	3712 DF	3512	3468	Queen
Travis, J. J. Phillips State	1 W	16-188-31E	7-8-61	P & A	3660 DF	3605		
Chambers & Kennedy Gulf Federal	2 I	20-188-31E	3-1-61	F 66 BO	3637 DF	3266	3198	Queen
Travis, J. J. Kenwood Federal	2 D	21-188-31E	2-14-61		3651 DF	3259	3200	Queen
Kenwood Federal	3 F	21-188-31E	6-27-61	F 54 BO	3644 DF	3560	3240	Queen
Kenwood Federal	4 C	21-188-31E	10-7-61	F 50 BO	3648 DF	3293	3225	Queen
Keohane Federal	1 E	21-188-31E	5-1-61	F 58 BO		3725	3210	Queen
Keohane Federal	2 K	21-188-31E	8-13-61	F 57 BO	3637 CR	3545	3251	Queen
Keohane Federal	3 N	21-188-31E	12-5-61	F 44 BO	3640 DF	3621	3282	Queen
Keohane, Saunders, Welch & Iverson Fed. Keohane	1 B	24-188-31E	5-4-61	F 120 BO	3721 DF	4232	3811	Queen
Welch, Thomas F. Hinkle "B"	3 N	26-188-31E	1-3-61	F 384 BO	3642 DF	2800	2746	Seven Rivers
Hinkle "B"	4 K	26-188-31E	3-9-61	F 288 BO	3653 DF	3939	3761	Queen
Hinkle "B"	5 M	26-188-31E	6-6-61	F 78 BO	3639 DF	2805	2730	Seven Rivers
Gulf Oil Corp. Keohane "A" Fed. etal	1 M	28-188-31E	12-13-61	F 72 BO	3612 DF	3690	3313	Queen
Iverson & Welch Shugart "A"	6 J	29-188-31E	4-5-61	110 BO	3605 DF	2649	2560	Yates
Shugart "A"	7 P	29-188-31E	5-22-61	F 150 BO	3603 DF	2725	2573	Yates
Shugart "A"	8 N	29-188-31E	6-16-61	100 BO	3585 DF	2703	2590	Yates
Shugart "A"	9 I	29-188-31E	8-9-61	F 150 BO	3609 DF	3822	3280	Queen
Shugart "C"	3 I	30-188-31E	3-19-61	90 BO	3586 DF	3804	3640	Grayburg
Shugart "C"	4-X J	30-188-31E	10-27-61	P 30 BO	3598 DF	3689	3520	Queen & Grayburg
Silverthorne, R. Q. Kenwood	2 M	30-188-31E	12-15-61	F 40 BO	3448 CR	2604	2572	Seven Rivers
Bakke, W. E. Monterey State	1 J	32-188-31E	10-2-61	F 69 BO	3583 CR	3344	2648	Seven Rivers
Monterey State	2-1 I	32-188-31E	12-15-61	P & A	3583 DF	2708		
Sunsy Mid-Continent State "Y" (Dual)	1 G	32-188-31E	3-31-61	P 21 BO	3580 DF	3758	3468	Queen
State "Y"	2 A	32-188-31E	4-28-61	F 208 BO			2615	Seven Rivers
State "Y"	3 H	32-188-31E	6-29-61	F 368 BO	3603 DF	3743	2610	Seven Rivers
				F 360 BO	3606 DF	3352	2609	Seven Rivers
Keohane, Saunders, etal Hinkle "A"	15 D	35-188-31E	10-13-61	F 125 BO	3648 DF	2833	2650	Seven Rivers
McCoy & Stevens Western Hondo Fed.	1 H	15-198-27E	7-22-61	P & A	3489 DF	2296		
Jones & Baile Featherstone State	1 J	32-198-27E	7-18-61	P & A	3388 CR	530		
Hanson State	1 K	32-198-27E	10-31-61	TA	3366 CR	450		



COMPANY LEASE	WELL UNIT	S.T.N.	COMP. DATE	INHP. PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
Kincaid & Watson Hall Federal	1 A	34-198-27E	7-18-61	F & A	3395 DF	3016		
Roach, C. E. Drilg. Co. Pure State	1 G	35-198-27E	10-19-61	F & A	3446 DF	1575		
Bass, Perry R. Seltzer State	1 E	12-198-28E	9-28-61	F 141 BO	3415 DF	2295	1828	Queen
	2 D	12-198-28E	10-14-61	F & A	3407 KB	2370		
Western, Yates State 648	178 P	14-198-28E	12-30-61	F 45 BO		2389	2092	Grayburg
State "E" 5003	1 A	15-198-28E	2-16-61	F 76 BO		2295	1796	Queen & Grayburg
State 648	165 J	15-198-28E	1-4-61	F 144 BO	3448 GR	1855	1814	Queen
Burleson & Huff Angell State	1 P	21-198-28E	11-17-61	F 46 BO	3451 DF	1110	1071	Seven Rivers
Angell State	2 I	21-198-28E	12-3-61	F 40 BO	3441 GR	1175	1079	Seven Rivers
Angell State	3 J	21-198-28E	12-19-61	F 42 BO	3414 DF	1175	1006	Seven Rivers
Ferguson, Bob Low State	1 O	21-198-28E	8-29-61	F 49 BO		1197	1049	Seven Rivers
Western Yates State 648	170 N	21-198-28E	11-22-61	F 43 BO	3409 GR	1201	072	Seven Rivers
State 648	167 A	22-198-28E	2-22-61	F 49 BO	3417 DF	1247	1130	Seven Rivers
State 648	175 G	22-198-28E	11-16-61	F 14 BO	3406 DF	1215	1100	Seven Rivers
Gulf Oil Corp. Eddy State "D"	1 H	25-198-28E	4-4-61	F & A	3347 KB	5200		
Eddy State "D"	2 D	25-198-28E	4-6-61	F 14 BO	3370 KB	2100	1983	Queen
State "DJ"	1 A	26-198-28E	5-6-61	F & A	3356 GR	3200		
Yates, John A. Caroline	1 C	28-198-28E	7-25-61	F 56 BO	3400 DF	1226	1000	Seven Rivers
Caroline	3 D	28-198-28E	9-19-61	35 BO	3406 DF	1250	1142	Seven Rivers
Caroline	4 E	28-198-28E	10-14-61	F 38 BO		1190	1100	Seven Rivers
Western Yates State 648	177 B	28-198-28E	12-17-61	F 41 BO	3391	1181	1091	Seven Rivers
Simms & Reese T. P. State	2 D	29-198-28E	2-24-61	F & A		2480		
Yates, John A. Mary Lou	1 H	29-198-28E	7-24-61	F 46 BO	3389 DF	1252	1098	Seven Rivers
Mary Lou	2 G	29-198-28E	8-14-61	F 42 BO	3392 GR	1250	1091	Seven Rivers
Mary Lou	3 B	29-198-28E	11-4-61	F & A	3406 DF	1250		
Simms & Reese Oil Co. T. P. State	1 J	30-198-28E	1-14-61	F & A	3467 DF	2028		
Strake, George W. State "A"	1 M	36-198-28E	12-3-61	F & A	3294 DF	7349		
Yates, John A. Dundas, Elizabeth	1 M	7-198-29E	10-1-61	F 41 BO	3378 DF	2227	1773	Queen
Spears, Wayne J. State	1 G	21-198-29E	5-19-61	F & A	3343 DF	2700		
Stout State "A"	1 A	21-198-29E	5-19-61	F & A		375		
Chase Pet. Co. Hondo State	1 K	25-198-29E	12-22-61	F & A	3341 DF	1787		
Spears, Wayne J. Union State	1 D	26-198-29E	5-16-61	F & A	3346 DF	4622		
Sunray Mid-Cont. State "AD"	1 M	29-198-29E	10-22-61	F & A	3318 DF	7405		

COMPANY LEASE	WELL TYPE	DATE	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
Southwestern, Inc. Calif. Pet. Corp.	1 H	1-19-30E	1-30-61	P & A	3338 DF	2202		
So. Calif. Pet. Corp.	2 F	1-19-30E	3-7-61	F 11 BO	3419 DF	2337	2175	Yates
Sperry, Wayne J. Kelly Federal	4 K	20-19-30E	8-16-61	P & A	3338 DF	2360		
Strike, G. W. Union Federal	2 J	23-19-30E	1-7-61	F 173 BO	3307 DF	1968	1767	Yates
Union Federal	3 H	23-19-30E	3-1-61	F 184 BO	3279 DF	1987	1782	Yates
Union Oil of Calif. Federal	1 I	23-19-30E	3-29-61	F 271 BO	3256 KB	1907	1744	Yates
Federal	2 O	23-19-30E	4-16-61	F 53 BO	3305 DF	1930	1790	Yates
Federal	3 G	23-19-30E	3-24-61	P & A	3312 DF	1919		
Gulf Oil Corp. Holder "C"	1 E	24-19-30E	7-12-61	F 368 BO	3259 KB	2000	1749	Yates
Holder "C"	2 M	24-19-30E	7-17-61	F 171 BO	3243 DF	2000	1734	Yates
Fed. Holder "C"	3 N	24-19-30E	11-2-61	F 35 BO	3278 KB	2000	1834	Yates
Fed. Holder "C"	4 K	24-19-30E	11-6-61	F 132 BO	3302	2002	1807	Yates
Fed. Holder "C"	5 J	24-19-30E	11-25-61	F 72 BO	3278 KB	2000	1789	Yates
Fed. Holder "C"	7 O	24-19-30E	12-5-61	F 72 BO	3348 DF	2023	1888	Yates
Strike, G. W. Le Bow Fed.	1 C	25-19-30E	1-5-61	P & A	3265 DF	2015		
Le Bow Fed.	2 F	25-19-30E	1-16-61	P & A	3292 DF	2075		
Le Bow Fed.	3 J	25-19-30E	3-17-61	P & A	3264 DF	2202		
Le Bow Fed.	4 H	25-19-30E	10-26-61	F 112 BO	3375 DF	2126	2054	Seven Rivers
Le Bow Fed.	5 A	25-19-30E	11-16-61	P & A	3383	2165		
Le Bow Fed.	6 I	25-19-30E	11-27-61	F 149 BO	3434 DF	2172	1936	Yates
Le Bow	7 G	25-19-30E	12-17-61	F 115 BO	3355 DF	2103	2040	Seven Rivers
Le Bow	8 J	25-19-30E	12-17-61	P 110 BO	3355 DF	1907	1860	Yates
Le Bow Fed.	9 H	25-19-30E	12-15-61	F 94 BO	3365 DF	1916	1896	Yates
State	1 D	25-19-30E	5-9-61	P & A	3241 DF	1997		
Sperry, Wayne Yates, Estel H.	1 C	29-19-30E	7-21-61	F 17 BO	3330 DF	1847	1750	Yates
Strike, G. W. State	1 C	30-19-30E	9-29-61	P & A	3360 DF	2086		
Tekaco, Inc. Hawson "B"	1 L	3-19-31E	5-31-61	P & A	3503 DF	4162		
Currier Drig. Co., Inc. Currier Winnam	1 D	4-19-31E	1-20-61	F 35 BO	3589 DF	3589	3273	Yates
Welch	5 H	4-19-31E	3-29-61	P & A	3596 DF	3421		
Southwestern, Inc. Corper Dallas	1 E	4-19-31E	9-14-61	F 50 BO	3582 DF	3765	3330	Queen
Bayou City Drig. Co. Dowdell Petroleum	1-X D	5-19-31E	6-3-61	F 36 BO	3569 GR	3540	3480	Queen
Peatherstone Fed.	2 A	5-19-31E	2-7-61	F 90 BO	3592 DF	3368	3329	Queen
Dalston, Neil & Hammer, C. The Am. Federal	2 D	5-19-31E	7-13-61	P & A	3550 DF	2734		
Star, N. Oil Corp. Peatherstone	1 I	5-19-31E	5-1-61	F 120 BO	3540 DF	3477	3198	Queen
Watts, W. C. Peatherstone	1 K	5-19-31E	5-1-61	F 85 BO	3564 DF	3738	3461	Queen
Peatherstone	2 F	5-19-31E	5-11-61	P & A	3560 DF	3615		
Peatherstone	3 J	5-19-31E	8-1-61	P & A	3561 DF	3552		
Peatherstone Fed.	4 J	5-19-31E	10-25-61	40 BO	3573 DF	3625	3330	Queen
Hammer, C. & Kessler Drig. Co., Inc. Texas Federal	1 I	6-19-31E	5-3-61	F 180 BO	3523 DF	3449	3184	Queen
Texas Federal	2 J	6-19-31E	12-22-61	F 23 BO	3538 DF	3450	3194	Queen

COMPANY LEASE	WELL UNIT	S.T.R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
Balrich, Neil E., Jr. Cont. Federal	1 J	9-195-31E	7-31-61	P & A	3553 DF	2773		
Culbertson & Ewio & Co. Federal	1 E	18-195-31E	2-9-61	13 BO	3413	2326	2220	Yates
Mayer, Len Barbara Federal	3 M	29-195-31E	5-16-61	P & A		2422		
Barbara Federal	4 M	29-195-31E	4-7-61	17 20 BO		2370	2229	Yates
Yates, Harvey E. Federal "A"	1 G	29-195-31E	3-5-61	P 40 BO	3474 DF	2342	2134	Yates
Federal "A"	2 F	29-195-31E	6-9-61	P & A	3437	2355		
Federal "A"	3 E	29-195-31E	8-3-61	P & A		2300		
Haskins, Paul E. Southern Federal	4 K	30-195-31E	4-1-61	P 40 BO	3408 DF	2300	2060	Yates
Southern Federal	5 C	30-195-31E	9-1-61	P 10 BO	3412 DF	2205	1996	Yates
Stand. Oil Co. of Tex. Eugenie Bate	1 I	3-205-24E	3-21-61	P & A	3702 DF	4220		
Brown, George H. Humble Federal	1 I	17-205-25E	3-3-61	3050 MCF	3501 DF	9600	9346	Pennsylvanian
Honda Oil & Gas Co. Federal "M"	1 J	1-205-26E	9-19-61	17 42 BO	3250 GH	1836	520	Queen
Yates Drig. Co. Gulf State "A"	1 D	2-205-27E	5-21-61	P & A	3417 KB	2410		
McGrath & Smith Eddy State "E"	1 J	26-205-27E	5-28-61	P & A	3320 GR	824		
Rains, A. H. Honda Federal	1 I	27 205-28E	11-1-61	P & A	3225 DF	791		
Basic Materials, Inc. Mayfield	3 D	33-205-28E	5-15-61	P & A	3195 DF	662		
EPNG & Tex. Cr. Oil Co. Lambert Federal	1 H	3-205-29E	9-5-61	P & A	3324 DF	5690		
Days Opr. Co. Yates Federal	1 W	7-205-29E	4-28-61	P & A		1055		
Paul E. Haskins McKee Federal	1 M	12-205-29E	6-23-61	P & A	3324 DF	1615		
Texasco	1 C	13-205-29E	4-30-61	144 BO	3324 DF	1555	1462	Yates
Stultz, Dean H. Yates	1 B	15-205-29E	7-17-61	P & A	3266 DF	1145		
Gulf Oil Corp. 7 Rivers Hills Ut.	1 A	4-215-29E	7-3-61	1305 MCF	3303 DF	10784	10096	Pennsylvanian
Woods, G. K. DeKalb	1 W	19-215-27E	6-20-61	P & A		2677		
Nix & Curtis Richardson & Boss	1 W	13-215-28E	8-4-61	P & A	3142 GR	3017		
Stclair Oil & Gas Co. Fed. Eddy 193	1 G	28-225-21E	1-10-61	P & A	5197 DF	5000		
Texas Cr. Oil Co. State	1 B	32-225-22E	4-19-61	P & A	4564 DF	3400		
Gulf Oil Corp. Buck Hills Ut.	1 D	1-225-25E	8-15-61	6800 MCF	3556 DF	11533	9670	Pennsylvanian

COMPANY LEASE	WELL UNIT	S.T.R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
Honolulu Oil Corp. McKittrick Can. Ut.	1 G	25-22S-25E	4-18-61	1 MCF	3510 DF	12292	11213	Pennsylvanian
Texas Crude Oil Co. Haupache	5 D	6-23S-22E	3-22-61	P & A	5124 DF	3720		
Humble Oil & Refg. Co. Banda Point Ut.	2 E	2-23S-23E	3-8-61	P & A	4318 DF	12012		
Yates, Martin III McCard, Belle	2 F	22-23S-26E	12-9-61	P & A		340		
Burgett, Everett D. Myers Union	1 I	11-23S-27E	5-24-61	P & A	3089 DF	2400		
Burk Royalty Lovelace	1 K	13-23S-27E	10-3-61	P & A	3094 GR	2500		
Continental Oil Co. State "AA" 2	1 A	2-23S-31E	2-18-61	P & A	3453 DF	5190		
Patoil Corp. Wright Federal	1 L	27-23S-31E	6-22-61	P & A	3398 DF	4386		
Leonard, J. A. Continental State	1 D	32-23S-31E	2-22-61	P & A	3356 DF	4215		
Patoil Corp. Wright Federal	2 E	33-23S-31E	9-1-61	P & A	3391 DF	4302		
Skelly Oil Co. Las Cruces "D"	1 I	12-24S-21E	10-28-61	P & A	5737 DF	6195		
British Amer. Prod. Co. Haupache Unit	7 B	25-24S-22E	5-30-61	P & A	5515 DF	3620		
Gulf Oil Corp. Federal Lee	1 J	18-24S-26E	5-1-61	P 483 MCF	3736 DF	12104	9643	Wolfcamp
Burk Royalty Co. Crawford	1 L	9-24S-27E	12-26-61	P 39 BO	3166 GR	2300	2137	Delaware
Cabeen Explora. Corp. Crawford	1 K	9-24S-27E	5-24-61	TA	3175 DF	2198		
Hill & Meeker Shugart 23	1 M	23-24S-30E	5-18-61	P & A	3412 DF	4094		
Bass Fed. 25	1 M	25-24S-30E	12-17-61	P & A	3428 DF	4251		
Read, Charles B. Richie	1 P	18-24S-31E	8-21-61	P & A	3514 KB	4368		
Gulf Oil Corp. Fed. Kelly "A"	1 G	30-25S-25E	1-6-61	P & A	3681 DF	1196		
Patoil Corp. R & B Fed.	1 F	4-25S-30E	1-15-61	P & A	3203 DF	3899		
Fred Pool Drlg. Co. T. P. State	1 G	8-25S-30E	7-5-61	P & A	3214 DF	3772		
Santana Pet. Corp. Delbasin Federal	1 M	35-25S-31E	8-23-61	P & A		4510		
Hackamer, Curtis Gulf Fed. Stancliff	1 D	25-26S-29E	6-23-61	P 28 BO	2933 DF	3133	3083	Delaware
Pipkin Federal	1 B	25-26S-29E	1-12-61	P & A	2788	3230		
Gulf Fed. Pipkin	1 P	34-26S-29E	8-1-61	P 27 BO	2882 DF	2905	2898	Delaware
Gulf Oil Corp. Littlefield "BO"	1 B	34-26S-29E	9-6-61	P 22 BO	2882 GR	2970	2957	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.</u>	<u>TOTAL DEPTH</u>	<u>TOP PAY</u>	<u>PRODUCING FORMATION</u>
Read, Charles B. Scott Federal	1 M	3-26S-30E	9-11-61	P & A	3165 KB	3801		
Brown, Tom Drlg. Co. Ross	1 O	1-26S-31E	2-3-61	P & A	3290 DF	4452		
Hankamer, Curtis Bauerdorf Est.	1 P	22-26S-31E	12-18-61	P & A	3167 DF	4208		
<u>LEA COUNTY</u>								
Sun Oil Co. McNulty, M. J.	2 L	3-9S-34E	8-1-61	P & A	4273 DF	9822		
Hutcherson, A. T.	1 E	9-9S-34E	1-4-61	P & A	4298 DF	9870		
Trice Prod. Co. Hutcherson, A. T.	1 D	10-9S-34E	12-8-61	F 244 BO	4262 DF	9631	9601	Pennsylvanian
Chase Petr. Cox Federal	2 L	1-9S-36E	4-28-61	F 264 BO	4055 DF	9713	9645	Pennsylvanian
Coastal States Gas Prod. Co. Lea State	1 F	2-9S-36E	6-27-61	119 BO	4065 DF	9730	9653	Pennsylvanian
Texaco, Inc. West. Net. Fed.	1 B	5-9S-36E	8-5-61	P & A	4113 DF	12521		
Secor Prod. Co. Vinson	1 P	15-9S-36E	1-16-61	P & A	4057 DF	12390		
Cosden Pet. Corp. Cosden Oil Dev. Co.	1 C	25-9S-36E	9-23-61	P & A	4026 DF	12291		
Texas Crude Oil Co. Texaco Sawyer	1 L	35-9S-36E	6-29-61	P & A	4028 DF	12357		
Gr. West. Drlg. Co. Dick Federal	1 H	5-9S-37E	10-5-61	P 167 BO	4027 GR	9715	9673	Pennsylvanian
ODC "B"	1 J	5-9S-37E	8-20-61	P 76 BO	4033 DF	9734	9647	Pennsylvanian
Socony Mobil Oil Co., Inc. W. R. Biltrey	2 B	6-9S-37E	12-18-61	P & A	4047 DF	9710		
Gr. West. Drlg. Co. Federal "MM"	2 F	8-9S-37E		P 203 BO	4024 GR	9717	9673	Pennsylvanian
Federal "NM"	1 B	8-9S-37E	12-13-61	P 110 BO	8038 DF	9731	9662	Pennsylvanian
West. Drlg. Co. of Longview Toles Federal	1 A	13-9S-37E	8-2-61	F 550 MCF	3990 DF	4982	4918	San Andres
Gr. West. Drlg. Co. King Federal	1 B	18-9S-37E	11-29-61	P & A	4038 DF	9775		
West. Drlg. Co. of Longview Alkman Bros. Fed.	1 A	24-9S-37E	1-18-61	F 12 BO	3969 GR	5025	4930	San Andres
Southwestern Hydro Car. Co. Magnolia Federal	1 I	6-9S-38E	3-22-61	P & A	3972 DF	4976		
The Ohio Oil Co. Fed. Kelley "A"	1 P	19-9S-38E	1-5-61	P & A		3104		
Fed. Kelley "A"	1-A P	19-9S-38E	2-14-61	F 799 MCF	3968 DF	5040	4916	San Andres
West. Drlg. Co. of Longview McDermott Federal	2 N	19-9S-38E	2-15-61	750 MCF	3961 DF	5020	4940	San Andres
Alamo Corp. Bell Federal	2 P	20-9S-38E	4-8-61	971 MCF	3950 DF	5010	4877	San Andres
Bell Federal	3 N	20-9S-38E	4-10-61	2226 MCF	3959 DF	5019	4917	San Andres

COMPANY LEASE	WELL UNIT	S.T.N.	COMP. DATE	INIT. PROD. TEST	ELEV. DF	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
Southern Union Gas Co. State	2 J	32-98-38E	2-6-61	F 900 MCF	3928 DF	5000	4924	San Andres
Socony Mobil Oil Co., Inc. State "A"	1 C	25-108-32E	3-2-61	F & A	4300	11963		
Austral Oil Co., Inc. State "A" (6003)	1 M	28-108-32E	8-25-61	F & A	4353 GR	10317		
The Ohio Oil Co. State "A"	1 L	3-108-30W	8-26-61	F & A	4231 DF	12389		
Pray, Max State "E"	1 F	5-108-36E	2-28-61	F & A	4068 DF	12275		
State "E"	2 B	5-108-36E	2-20-61	F & A	4075 DF	12164		
Pure Oil Co. State Lea "M"	1 A	6-108-36E	8-24-61	F 270 BO	4072 DF	12040	12008	Devonian
Cabeen Explora. Corp. Union State	1 L	10-108-36E	9-6-61	F 70 BO	4027 DF	12323	12296	Devonian
Hill & Meeker & Tex., Cr. Oil Co. Santa Fe 22	1 B	22-108-36E	9-11-61	F & A		54		
Ohio State	1 P	22-108-36E	9-11-61	F 124 BO	4022 DF	12295	12284	Devonian
Humble Oil & Refg. Co. S. Four Lakes Ut.	7 I	35-118-34E	8-3-61	F 346 BO	4160 DF	10405	9949	Pennsylvanian
Continental Oil Co. N.W. Glad. Ut.	1 E	29-118-37E	6-24-61	F & A	3968 DF	13076		
Murphy Corp. N.W. Caprock Ut.	1 C	8-128-32E	11-22-61	F & A	4417 DF	11900		
O'Neill, J. I., Jr. State "I"	1 P	14-128-34E	1-15-61	F 278 BO	4160 DF	10352	10276	Pennsylvanian
Phillips Pet. Co. & T.P. Coal & Oil Ranger	13 B	23-128-34E	4-10-61	F 394 BO	4162 DF	10370	10272	Pennsylvanian
Shell Oil Co. State RLB	1 F	33-128-34E	6-8-61	F & A	4181 DF	10413		
Tex. Cr. Oil Co. & S. Jacinto Oil & Gas Dickenson	1 J	4-128-37E	12-16-61	F & A	3946 DF	13279		
Moss, H. S. Peck, D. P.	5 E	26-128-37E	7-11-61	F & A	3897 DF	12280		
Cities Service Oil Co. Turner "D"	1 M	27-128-37E	2-14-61	F 540 BO	3905 DF	12288	12263	Devonian
Amerada Pet. Corp. Love, Brady	1 C	34-128-37E	8-28-61	F & A	3910 DF	12404		
Wearburg & Ingram Keating	1 B	34-128-37E	3-1-61	F 360 BO	3905 DF	12263	11134	Pennsylvanian
Midhurst (Dual)	1 D	35-128-37E	1-25-61	F 433 BO	3899 DF	12228	11119	Pennsylvanian
			9-30-60	F 456 BO			12188	Devonian
Midhurst (Dual)	2 F	35-128-37E	5-12-61	F 480 BO	3694 KB	12230	12221	Devonian
			6-1-61	280 BO			11134	Pennsylvanian
Socony Mobil Oil Co., Inc. Field & Grantouse	1 D	22-128-38E	5-12-61	F & A	3822 DF	12094		
Gravidge Corp. Vickers Five	1 J	5-138-32E	8-2-61	F & A	4367 DF	3076		
Caprock Qu. Ut. 1	3 H	7-138-32E		Inj.				
Caprock Qu. Ut. 1	8 H	7-138-32E		Inj.				
Humble Oil & Refg. Co. State "BL"	1 C	16-138-32E	11-16-61	F 35 BO	4357 DF	12497	11050	Pennsylvanian

COMPANY LEASE	WELL UNIT	S.T.R.	COMP. DATE	INIT. PROD. TEST	ELEV. DEP.	TOTAL DEPTH	GGP PAY	PRODUCING FORMATION
Trice Prod. Co. State Lazy J E	2 P	34-135-33E	7-15-61	F 244 BO	4224 DF	9954	9820	Pennsylvanian
Humble Oil & Refg. Co. Key, Ethel	1 F	23-135-34E	10-4-61	F & A	4343 DF	10770		
Trice Prod. Co. State Lazy J	1 D	2-145-33E	2-27-61	F 189 BO	4214 DF	9978	9786	Pennsylvanian
State Lazy J A	1 A	3-145-33E	3-17-61	F 240 BO	4221 DF	9944	9832	Pennsylvanian
Brown, James G. & Assoc. State "G"	1 I	9-145-33E	5-4-61	F 285 BO	4240 DF	9995	9936	Pennsylvanian
Shell Oil Co. Gray	3 W	35-145-33E	6-10-61	F 135 BO	4191 DF	10032	9896	Pennsylvanian
Union Oil Co. of Calif. State "B"	1 O	28-150-32E	9-1-61	F 150 BO	4311 DF	10025	9922	Wolfcamp
Humble Oil & Refg. Co. State "BH"	1 F	32-150-32E	5-28-61	F & A	4321 DF	10011		
McAlester Fuel Co. State "J" G	1 G	33-150-32E	7-29-61	F 194 BO	4312 DF	10050	9872	Wolfcamp
Union Oil Co. of Calif. State "B"	2 A	33-150-32E	11-27-61	F 274 BO		10032	10008	Wolfcamp
State	3 K	33-150-32E	3-17-61	F 333 BO	4317 DF	10073	9872	Wolfcamp
Days Operating Co. Sinclair State	1 P	25-150-33E	2-15-61	F & A	4135	4005		
Pure Oil Co. State Lea "I"	1 G	14-150-34E	5-25-61	F & A	4084 DF	14304		
Sinclair Oil & Gas Co. Reed Estate	1 J	22-150-38E	10-19-61	F 414 BO	3720 DF	12848	12715	Devonian
Stone, G. S.	1 G	22-150-38E	7-29-61	F 456 BO	3741 DF	12848	12740	Devonian
Gulf Oil Corp. Roberts, C. M. "H" et al	1 N	23-150-38E	10-18-61	F & A		600		
Roberts, C. M. "C" et al	1 D	26-150-38E	10-23-61	F & A	3733 DF	12904		
Phillips Pet. Co. N. M. "A"	3 J	25-160-33W	2-1-61	F 400 BO	4162 DF	10870	10751	Wolfcamp
Samedan Oil Corp. Unit State	1 D	30-160-33E	4-28-61	F & A	4255 DF	14366		
Midwest Oil Corp. Surrey State	1 M	15-160-34E	4-12-61	F & A	4114 DF	11552		
Humble Oil & Refg. Co. State "EB"	2 G	22-160-34E	6-25-61	F & A		11639		
Union Oil Co. of Calif. Spies, George	1 D	30-160-36E	3-26-61	F & A	3965 DF	13172		
Atlantic Refg. Co. State "AH"	1 K	5-160-37E	3-10-61	F & A	3863 DF	11800		
Hondo Oil & Gas Co. Wilson	1 M	21-160-38E	6-10-61	F & A	3735 DF	9048		
Nichols, Leonard Taylor, A. C. "B"	1 F	4-170-32E	1-10-61	F 61 BO	4150 DF	4078	3917	Grayburg
Boller & Nichols Iles Federal	10 C	9-170-32E	3-11-61	F 192 BO	4118 DF	4020	3848	Grayburg

COMPANY LEASE	WELL UNIT	S.T.R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
Boller & Nichols Iles Federal	20 D	9-17S-32E	8-16-61	F 128 BO	4101 DF	3790	3796	Grayburg Grayburg & San Andres
Iles Federal	21 B	9-17S-32E	12-20-61	F 74 BO	4125 DF	4060	3860	
Continental Oil Co. Miller BX Fed.	5 G	14-17S-32E	12-13-61	F 54 BO	4062 DF	4300	4020	San Andres & Grayburg
Miller BX Fed.	6 J	14-17S-32E	12-27-61	F 97 BO	4074 DF	4335	4000	
Taylor	1 M	14-17S-32E	4-19-61	F 56 BO	4040 DF	4167	3845	Grayburg & San Andres Grayburg & San Andres Grayburg & San Andres Grayburg & San Andres Grayburg & San Andres
Taylor	2 L	14-17S-32E	5-29-61	F 127 BO	4053	4192	3980	
Taylor	3 N	14-17S-32E	8-16-61	F 150 BO	4052 DF	4235	4005	
Taylor	4 K	14-17S-32E	10-1-61	F 120 BO	4058 DF	4263	4014	
Nichols, Leonard Taylor, A. C. "C"	1 E	14-17S-32E	7-28-61	F 476 BO	4067 DF	4010	3848	Grayburg & San Andres Grayburg & San Andres Grayburg & San Andres
Taylor, A. C. "D"	2 D	14-17S-32E	12-18-61	F 136 BO	4082 DF	4050	3856	
Taylor, A. C. "E"	1 F	14-17S-32E	12-19-61	F 84 BO	4068 DF	4024	3904	
Boller & Nichols Federal	18 H	15-17S-32E	7-12-61	F 112 BO	4061 DF	4190	3928	Grayburg & San Andres Grayburg
Iles Federal	23 G	15-17S-32E	8-26-61	F 288 BO	4024 DF	3975	3766	
Continental Oil Co. Mitchell "A"	23 D	20-17S-32E	7-30-61	P 65 BO	3978 DF	5370	5332	Paddock Paddock
Mitchell "A"	24 E	20-17S-32E	7-30-61	P 128 BO	3965 DF	5350	5308	
Pan Amer. Pet. Corp. USA Miller Fed.	1 K	26-17S-32E	6-22-61	TA	3968 DF	9715		Abo
USA Baish "B"	1 I	28-17S-32E	11-9-61	P 24 BO	3990 DF	9680	8840	
Aztec Oil & Gas N.E. Maljamar Ut.	1 D	5-17S-33E	4-11-61	F 225 BO	4230 DF	12510	10390	Wolfcamp
Phillips Pet. Co. Leamex	9 O	16-17S-33E	2-19-61	F 150 BO	4189 GR	15390	10622	Wolfcamp Wolfcamp
Leamex	10 I	16-17S-33E	7-19-61	F 130 BO	4171 DF	11160	10530	
Leamex	11 K	16-17S-33E	9-27-61	P & A	4187 DF	11310		
Carper Drilg. Co. Fee MA "B"	3 A	31-17S-33E	2-7-61	F 225 BO	4021 DF	8870	8666	Abo Grayburg
Carper State A	6 I	32-17S-33E	12-4-61	F 100 BO	4047 DF	4748	4602	
Dunigan, James P. Carper State	1 D	32-17S-33E	7-12-61	P & A	4031 DF	8809		Abo Abo Abo Abo Abo Abo Abo San Andrea
Gifford State	1 I	32-17S-33E	9-22-61	F 223 BO	4048 DF	8825	8594	
Carper Wyatt	1 F	33-17S-33E	1-14-61	F 576 BO	4071 DF	8851	8734	
Carper Wyatt	2 O	33-17S-33E	3-16-61	P & A		8797		
Cockburn	1 D	33-17S-33E	4-5-61	TA	4076 DF	8940		
Denius Federal	6 L	33-17S-33E	3-25-61	F 388 BO	4063 DF	8809	8605	
Denius Federal	9 L	33-17S-33E	9-19-61	F 260 BO	4057 DF	4750	4617	
Phillips Pet. Co. Williams Federal	4 F	33-17S-33E	3-26-61	F 273 BO	4090 DF	8821	8704	
Williams	6 E	33-17S-33E	7-1-61	F 420 BO	4066 DF	8765	8562	Abo
Dunigan, James P. Carper Wyatt Fed.	3 M	34-17S-33E	3-4-61	F 643 BO	4071 DF	8830	8666	Abo
Carper Wyatt	4 N	34-17S-33E	4-15-61	F 831 BO	4063 DF	8945	8679	Abo
Denius Federal	7 J	34-17S-33E	7-25-61	F 920 BO	4134 DF	9015	8558	Abo
Denius Federal	8 I	34-17S-33E	9-27-61	F 232 BO	4151 DF	8845	8837	Abo
Phillips Pet. Co. Williams Federal	3 E	34-17S-33E	1-26-61	F 436 BO	4106 DF	8832	8662	Abo



COMPANY LEASE	WELL TYPE	S.T.R.	COMP. DATE	INIT. PROD. TERM	LEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
Phillips Pet. Co. Williams Federal	5 F	34-178-33E	7-2-61	P 102 BO	4129 DF	8873	8044	Abn
Wiley, D. C. & Lowry, D.	2 F	35-178-33E	1-24-61	TA	4107 DF	9250		
Mobil State	2 O	35-178-33E	5-29-61	F 349 BO	4110 DF	4017	3933	Queen
McMahon, Wiley & Lowry	4 H	36-178-33E	9-8-61	F & A	4121 KB	4092		
Mobil State								
Inca Drilg. Co.	1 C	9-178-34E	9-11-61	F 52 BO	4092 DF	4790	4750	San Andres
Angle State								
BMA Oil Producers Union	1 C	17-178-34E	12-21-61	F 47 BO	4104 DF	4910	4667	San Andres
Colton, Earl D. So. Union State	1 J	17-178-34E	10-18-61	F & A		50		
DOB Oil Prop., Inc.	1 H	20-178-34E	5-30-67	F 33 BO	4088 DF	4768	4519	Grayburg & San Andres
Ohio State	1 E	21-178-34E	9-1-67	F 32 BO	4094 DF	4785	4502	Grayburg & San Andres
Gulf State	2 F	21-178-34E	10-15-61	F 35 BO	4079 DF	4755	4695	San Andres
BTA Oil Producers	1 H	28-178-34E	4-5-61	F 132 BO	4078 KB	4901	4537	Grayburg & San Andres
Amstate	2 L	28-178-34E	6-23-61	F 58 BO	4076 DF	4736	4560	Grayburg & San Andres
Amstate	3 K	28-178-34E	6-27-61	F 78 BO	4057 DF	4745	4505	San Andres Grayburg
Texaco, Inc. St. of NGPT NCT-4	1 E	28-178-34E	12-9-61	F 61 BO	4083 DF	4760	4534	Grayburg & San Andres
Phillips Pet. Co.	4 I	29-178-34E	7-6-61	F 131 BO	4085 DF	4770	4435	Grayburg & San Andres
Lea	5 P	29-178-34E	7-31-61	F 74 BO	4076 DF	4760	4392	Grayburg & San Andres
Lea								
Neville G. Penrose Phillips	4 M	31-178-34E	10-16-61	F & A		4122		
Humole Oil & Refg. Co. State "K"	17 F	32-178-35E	6-22-61	F & A	3956 DF	9000		
Phillips Pet. Co. Santa Fe	5 H	33-178-35E	3-5-61	F 458 BO	3956 DF	9000	8832	Abn
Shell Oil Co.	6 O	33-178-35E	2-25-61	F 252 BO	3948 DF	9003	8740	Abn
State "T"	3 E	33-178-35E	3-25-61	F 109 BO	3944 DF	9100	8946	Abn
State "T"	7 I	33-178-35E	5-12-61	F 158 BO	3947 DF	10498	8790	Abn
Tidewater Oil Co. (Getty) State "H"	2 M	33-178-35E	3-9-61	F 242 BO	3962 DF	8902	8690	Abn
Stand. Oil Co. of Tex.	1 M	34-178-35E	7-7-61	F 255 BO	3935 DF	9100	8883	Abn
State 5	7 L	34-178-35E	8-6-61	F 206 BO	3945 DF	9100	8751	Abn
State 5	7 H	34-178-35E	9-4-61	F 255 BO	3933 DF	9100	8855	Abn
State 5	4 H	34-178-35E	10-21-61	F 194 BO	3941 DF	9100	8920	Abn
State 5	9 J	34-178-35E	11-1-61	F 229 BO	3937 DF	9100	8882	Abn
Cities Service Pet. Co.	1 I	35-178-35E	4-7-61	F 241 BO	3909 DF	9009	8914	Abn
State "BJ"	2 K	35-178-35E	6-7-61	F 371 BO	3918 DF	9017	8930	Abn
State "BJ"	3 O	35-178-35E	8-17-61	F 228 BO	3912 KB	9004	8904	Abn
State "BJ"	1 H	35-178-35E	10-3-61	F 4 A	3922 DF	9233		
Phillips Pet. Co.	1 O	35-178-35E	7-24-61	F 251 BO	3809 DF	9055	8766	Abn
Santa Fe	4 F	35-178-35E	10-26-61	TA	3917 DF	9400		
Santa Fe								

COMPANY LEASE	WELL UNIT	S.T.R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
Amerada Pet. Corp. State V "C"	1 L	36-17S-35E	1-29-61	F 741 BO	3904 DF	9075	8890	Abo
Sunray Mid-Cont. Oil Co. State "AC"	1 C	36-17S-35E	9-26-61	F & A	3906 DF	9156		
T. P. Coal & Oil Co. State "AB"	1 E	36-17S-35E	5-10-61	38 BO	3903 DF	9040	8871	Abo
Humble Oil & Refg. Co. State "Q"	4 N	17-17S-36E	5-21-61	F & A	3892 DF	9604		
Artec Oil & Gas Co. State "VA"	1 H	20-17S-36E	9-5-61	F 624 BO	3822 DF	9199	9177	Abo
Gulf Oil Corp. Lea State "LB"	1 C	20-17S-36E	4-23-61	TA	3894 DF	9183		
Sunray Mid-Cont. Oil Co. State "X"	2 G	20-17S-36E	11-5-61	F 264 BO	3883 DF	9327	9220	Abo
	3 A	20-17S-36E	12-7-61	P & A	3883 DF	9688		
Williamson, J. C. Loyington State	1 B	25-17S-36E	1-22-61	F 66 BO	3819 DF	9765	9698	Wolfcamp
Standard Oil Co. of Tex. Kelly State 30	1 D	30-17S-36E	3-29-61	P & A	3902 DF	11600		
Artec Oil & Gas Co. State "VE"	1 P	31-17S-36E	6-30-61	F 60 BO	3872 DF	5131	5113	San Andres
Hamon, Jake L. State	1 D	31-17S-36E	5-17-61	F & A	3893 DF	9243		
Compass Expl., Inc. Dins	1 L	5-17S-37E	12-11-61	F & A	3809 KB	4061		
Gulf Oil Corp. Levi Harris	1 O	21-17S-38E	10-31-61	F 225 BO	3693 DF	12569	10001	Wolfcamp
Jackson, F. B., Jr. Federal	1 G	4-18S-32E	2-6-61	21 BO		3772	3726	Queen
Jackson, B. M. Federal	2 H	4-18S-32E	11-3-61	TA	3883 DF	3823		
Lowe, Ralph Yates Federal 69	1 C	24-18S-32E	9-26-61	P & A	3817 DF	14905		
McCurdy, E. J., Jr. et al Barton	3 C	29-18S-32E	6-20-61	F 44 BO	3740 KB	4050	3938	San Andres
Santiago Oil & Gas Co. Texaco	1 A	34-18S-32E	3-22-61	1300 MCF	3717 GR	7160	3940	Queen
Carper Drig. Co. Carp. Cock. St. "B"	2 H	1-18S-33E	9-14-61	F 100 BO	4106 DF	12910	4136	Queen
	3 A	1-18S-33E	10-6-61	F 100 BO	4093 DF	4035	3984	Queen
	4 B	1-18S-33E	10-8-61	F 100 BO	4110 KB	4070	4005	Queen
Pan Amer. Pet. Corp. USA Cont'l Fed.	1 K	6-18S-33E	7-28-61	F 105 BO	3966 DF	4183	4120	Queen
Dean, Bob, Ltd. Continental Fed.	1 F	17-18S-33E	1-12-61	P & A	3889 DF	4500		
Bakke, W. E. Oil Co. Pan Am Hudson Fed.	1 E	19-18S-33E	4-10-61	P & A	3803 DF	4718		
Texaco, Inc. State "Z" NCT-1	5 C	2-18S-34E	9-4-61	P & A	4030 DF	9500		

<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>RAY</u>	<u>PRODUCING</u> <u>FORMATION</u>
Continental Oil Co. State X-22	2 F	22-188-34E	1-12-61	F 5 BO	4013 DF	4805	4584	Queen
State V-22	3 F	22-188-34E	9-30-61	F & A		4562		
May & Williams State	1 M	36-188-34E	2-11-61	F & A	3981 DF	5086		
Standard Oil of Tex. Vac Edge Ut.	9 D	3-188-35E	5-31-61	F 246 BO	3944	9140	9010	Abo
Vac Edge Ut.	3 C	4-188-35E	1-6-61	F 276 BO	3943 GR	8940	8746	Abo
Vac Edge Ut.	4 B	4-188-35E	3-13-61	F 201 BO	3955 DF	8890	8664	Abo
Vac Edge Ut.	6 A	4-188-35E	4-15-61	F 220 BO	3949 DF	9150	8938	Abo
Vac Edge Ut.	8 D	4-188-35E	5-29-61	F 321 BO	3930 DF	8912	8721	Abo
Vac Edge Ut.	11 F	4-188-35E	6-24-61	F 350 BO	3955 DF	9100	8799	Abo
Vac Edge Ut.	12 G	4-188-35E	7-6-61	F 203 BO		9100	8929	Abo
Vac Edge Ut.	14 H	4-188-35E	7-30-61	F 232 BO	3943 DF	9100	8871	Abo
Vac Edge Ut.	15 L	4-188-35E	8-15-61	F 414 BO	3957 DF	9100	8857	Abo
Vac Edge Ut.	18 K	4-188-35E	9-12-61	F 282 BO	3956 DF	9100	8875	Abo
Phillips Santa Fe	59 F	5-188-35E	9-16-61	F 165 BO	3969 DF	8982	8544	Abo
Santa Fe	53 E	5-188-35E	12-15-61	F 512 BO	3976 DF	9000	8496	Abo
Shell Oil Co. State "VAA"	1 K	5-188-35E	7-20-61	F 140 BO	3968 DF	9006	8728	Abo
State "VAA"	2 M	5-188-35E	8-22-61	F 446 BO	3971 DF	9060	8760	Abo
State "VAA"	3 N	5-188-35E	9-17-61	F 284 BO	3967 DF	9107	8780	Abo
State "VAA"	4 L	5-188-35E	10-15-61	F 322 BO	3974 DF	8950	8690	Abo
Stand. Oil Co. of Tex. Vac Edge Ut.	5 H	5-188-35E	3-20-61	F 202 BO	3963 DF	9100	8712	Abo
Vac Edge Ut.	7 G	5-188-35E	4-26-61	F 115 BO	3967 DF	8975	8636	Abo
Vac Edge Ut.	10 J	5-188-35E	5-25-61	F 380 BO	3969 DF	8956	8750	Abo
Vac Edge Ut.	13 I	5-188-35E	6-23-61	F 290 BO	3958 DF	9100	8652	Abo
Vac Edge Ut.	16 A	5-188-35E	8-11-61	F 312 BO	3965 DF	9100	8706	Abo
Vac Edge Ut.	17 O	5-188-35E	9-19-61	F 202 BO	3963 DF	9101	8905	Abo
Vac Edge Ut.	19 P	5-188-35E	10-30-61	F 190 BO	3959 DF	9100	8900	Abo
Texaco, Inc. State "AB"	2 F	6-188-35E	10-26-61	F 554 BO	3976 DF	9052	8710	Abo
State "AB"	3 O	6-188-35E	12-28-61	F 353 BO	3979 DF	8856	8672	Abo
State "AB"	4 I	6-188-35E	12-22-61	F 341 BO	3984 DF	9080	8674	Abo
Shelly Oil Co. Hobbs "N" (Dual)	1 D	8-188-35E	12-12-61 1-1-62	F 480 BO F 61 BO	3972 DF	9050	8824 8450	Abo Drinkard
Carper Drig. Co., Inc. Carper-Luthy	1 E	29-188-35E	1-9-61	F & A	3952 DF	5076		
Cactus Drig. Co. Catron State "C"	1 I	2-188-36E	1-27-61	F 2325 MCF	3810 DF	4795	4514	Queen
Catron State "D"	1 N	2-188-36E	11-15-61	F & A	3812 DF	5475		
Kelly, John M. State "PE"	1 K	11-188-36E	1-11-61	1500 MCF	3815 DF	5300	4686	Queen
Gulf Oil Corp. Lea St. "EA" OCT-4	1 D	13-188-36E	3-3-61	F 1740 MCF	3784 DF	4600	4394	Queen
Continental Oil Co. Goodwin, etal State B-13	1 G 7 L	25-188-36E 13-188-37E	8-10-61 4-20-61	TA F 45 BO	3761 DF 3681 DF	8582 4154	4002	Grayburg
Aztec Oil & Gas Co. State "NE"	1 J	17-188-37E	11-15-61	F & A	3742 DF	5010		
Enfield, Robert H. Sinclair Williams	1 D	12-188-38E	1-18-61	F & A	3670 DF	6500		

COMPANY LEASE	WELL UNIT	S.T.R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
Moran Oil Prod. & Drilg. Co. State T-17	1 E	17-18S-38E	12-5-61	F 174 BO	3669 DF	4234	4182	Grayburg
Pan American Pet. Corp. Bondurant, W.B., Fed. Bondurant, W.B.	2 H 3 M	13-19S-32E 13-19S-32E	1-2-61 4-12-61	117 BO P & A	3645 DF 3632 DF	3305 3394	3275	Yates
Mayer, Len Humble State	1 D	16-19S-32E	7-26-61	P & A	3619 DF	3001		
EPNG Lusk Deep Ut. (Dual)	2 O	18-19S-32E	4-1-61 5-3-61	F 640 BO F 4 MMCF	3603 DF	13974	11220 12380	Pennsylvanian Pennsylvanian
Fleming, Jack Gulf Federal	2 F	19-19S-32E	10-17-61	P 15 BO	3556 DF	2500	2426	Yates
Stout, G. Kelly So. Calif.	3 B	19-19S-32E	6-13-61	P & A	3577 DF	2695		
EPNG Lusk Deep Ut. (Dual)	3 E	20-19S-32E	10-31-61 11-1-61	30000MCF F 285 BO	3591 DF	12623	12370 11310	Morrow Strawn
Haskins, Paul W. Shell Federal	1 I	30-19S-32E	6-27-61	P & A	3541 DF	2773		
Pan Amer. Pet. Corp. Wellis, Mary USA Culbertson Irwin	1 O 1 L	5-19S-33E 8-19S-33E	11-14-61 11-17-61	F 1680 MCF TA	3715 DF 3670 KB	13723 3692	13234	Pennsylvanian
Hudson, Wm. A. & Ed. R. Signal Ross Fed. Signal Ross	1 B 2 F	30-19S-33E 30-19S-33E	6-22-61 9-22-61	F 840 BO P & A	3612 DF 3600 DF	3192 3173	3000	Yates
EPNG Mescalero Unit	1 G	7-19S-34E	4-23-61	7200 MCF	3806 DF	14784	13160	Pennsylvanian
U.S. Smelting Rfg. & Min. Co. State	1 F	11-19S-34E	11-2-61	P & A	3980 DF	5050		
Carper Drilg. Co. U.S. Smelting St.	1 D	12-19S-34E	12-28-61	P & A	3975 DF	5261		
EPNG Mescalero Ridge Unit (Dual)	1 D	21-19S-34E	10-19-61 10-18-61	F 933 BO 1300 MCF	3765 DF	13972	10118 13328	Bone Springs Morrow
Cabeen Expl. Corp. Gulf State "C"	2 C	36-19S-34E	3-24-61	P & A	3735 DF	5050		
Colton, Earl G. Sunray Mid-Cont. Fowler Cabot Carbon State Cabot Carbon State State Union State	1 B 1 O 2 P 1 N 2 K	14-19S-35E 15-19S-35E 15-19S-35E 15-19S-35E 15-19S-35E	7-9-61 6-9-61 9-16-61 2-4-61 5-22-61	P & A 62 BO 69 BO P 80 BO P 62 BO	3840 DF 3768 DF 3785 3768 DF 3779 DF	4996 5043 5045 5020 4996	4950 4946 4862	Queen Queen Queen Queen
BTA Producers Hunker	1 O	20-19S-35E	8-23-61	P 83 BO	3783 DF	5054	4970	Queen
Colton, Earl G. Texaco Moran	1 A	22-19S-35E	11-8-61	81 BO	3778 DF	5056	4946	Queen
Cabot Corp. State "I" State "I"	1 D 2 C	23-19S-35E 23-19S-35E	10-16-61 12-3-61	150 BO 119 BO	3792 DF 3813 DF	4995 5046	4930 4948	Queen Queen
Colton, Earl G. Gulf State	1 L	23-19S-35E	10-7-61	80 BO	3756 KB	5210	4853	Queen
Cactus Drilg. Co. Aztec State	5 G	31-19S-35E	1-28-61	60 BO	3728 DF	4998	4988	Queen

COMPANY LEASE	WELL UNIT	S.T.R.	COMP. DATE	INIT. PROD. TEST	ELFV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
Cactus Drilg. Co. Axtec State	5 F	31-198-35E	6-26-61	F 80 BO	3722 DF	4902	4714	Queen
Gulf Oil Corp. Lea State "AR"	3 I	33-198-35E	9-12-61	F 98 BO	3706 KB	5080	4771	Queen
	2 L	34-198-35E	8-24-61	F 70 BO	3705 KB	5055	4786	Queen
Shell Oil Co. Revard	5 B	35-198-35E	2-15-61	F & A	3698 DF	5500		
Brown, Tom Drilg. Co. Sunray Bryan	1 F	18-198-36E	3-5-61	F & A	3744 KB	5020		
Trigg, John H. Federal "PT"	1 K	20-198-36E	6-27-61	F 19 BO	3709 KB	5357	4831	Queen
Days Operating Co. Atlantic State	1 M	24-198-37E	3-20-61	F & A	3627 DF	4266		
Chambers & Kennedy Monument State (Dual)	1 J	34-198-37E	1-9-61 5-18-61	F 61 BO 3700 MCF	3581 DF	3954	3848 3584	Grayburg Queen
Sinclair Oil & Gas Co. State Lea 373	4 I	34-198-37E	5-4-61	F 8 BO	3592	3925	3852	Grayburg
Pan American Leonard Leech "B"	1 K	15-198-38E	12-8-61	F 23 BO	3603 DF	4215	4154	San Andres
Texaco, Inc. Moore, J. H.	1 D	15-198-38E	11-16-61	F 5 BO	3600 DF	4240	4080	Grayburg & San Andres
Nurdon Corp., Ltd.	1 W	15-198-38E	8-15-61	F 82 BO	3599 DF	4190	4096	Grayburg & San Andres
Selman, Frank	2 I	15-198-38E	12-9-61	F 31 BO	3604 DF	4238	4086	Grayburg & San Andres
Carper Drilg. Co., Inc. Blakey	1 D	29-198-38E	4-1-61	F 30 BO	3602 DF	4360	4282	San Andres
Carper Linwood	1 C	30-198-38E	7-1-61	F & A	3610 DF	9126		
Wolfson Oil Co. Federal	1 N	7-198-39E	7-23-61	F & A	3609 DF	4395		
Cities Service Oil Co. State "BP"	2 K	16-208-33E	1-29-61	F 19 BO	3544 DF	3225	3094	Yates
Hanson, Ernest Atlantic State	1 C	16-208-33E	3-1-61	F 90 BO	3544 DF	3260	3219	Seven Rivers
Richardson, Sid W., Inc. Perry Federal	1 L	23-208-33E	5-3-61	F & A		3414		
Hudson, Wm. A & Ed. R. Federal 25	1 H	25-208-33E	10-14-61	F & A	3671 DF	3511		
Texaco, Inc. State "CM"	1 O	31-208-33E	9-23-61	3400 MCF	3651 DF	13785	13288	Pennsylvanian
Allison, Fred. M., Jr. C & E Fed.	1 E	35-208-33E	2-2-61	F & A	3670 DF	3429		
Halbing & Podpecan Shell Fed.	1 B	35-208-33E	12-23-61	F & A	3676 DF	3440		
Hanagan, Robert G. Signal Federal	1 D	3-208-34E	1-22-61	F & A	3860 DF	3808		
The Ohio Oil Co. Lea Unit Fed. (Dual)	4 H	11-208-34E	4-14-61	F 995 BO	3676 DF	14492	14420	Devonian
				F 995 BO			14420	Bone Springs
Lea Unit (Dual)	6 J	11-208-34E	12-2-61 12-16-61	F 1164 BO 6893 MCF	3666 DF	14472	14358 12834	Devonian Pennsylvanian

COMPANY LEASE	WELL UNIT	S.T.R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
U.S. Smelting Refg. & Min. Co. Federal (Dual)	1 F	11-20S-34E	5-9-61 4-19-61	F 1922 MCF F 205 BO	3666 DF	14619	13034 10158	Pennsylvanian Bone Springs
Ohio Oil Co. Lea Ut. Fed. (Dual)	2 F	12-20S-34E	3-30-61 3-21-61	F 145 BO F 423 BO	3685 DF	14501	9590 14387	Bone Springs Devonian
Lea Ut. Fed. (Dual)	5 J	12-20S-34E	6-21-61 8-8-61	F 725 BO 173 BO	3682 DF	14476	14353 10226	Devonian Bone Springs
Cities Service Pet. Co. McDonald, J. "AA"	3 O	18-20S-34E	3-20-61	P & A	3640 DF	3640		
Hanson, Ernest A. D & E Fed.	1 O	23-20S-34E	8-8-61	P & A	3686 DF	3601		
Drlg. & Explr. Co. Ballard, Mary I.	2 C	27-20S-34E	12-7-61	P 56 BO	3687	3685	3648	Seven Rivers
Colton, Earl G. Federal	1 I	29-20S-34E	4-25-61	P & A	3720 DF	3743		
Wills Federal	1 D	29-20S-34E	9-4-61	P 36 BO	3677 DF	3541	3355	Yates
Gackie Drlg. Co., Inc. Texaco Federal	1 A	30-20S-34E	8-14-61	P 32 BO	3680 DF	3527	3326	Yates
Norsworthy, C. L., Jr. Ferry Fed.	1 B	33-20S-34E	5-9-61	P & A		3776		
Sbell Oil Co. Linam Estate	1 B	3-20S-35E	2-14-61	P & A	3689 DF	5020		
Trainer, C. W. Linam	1 C	3-20S-35E	4-18-61	P 41 BO	3694 DF	5040	4951	Queen
Lowe	2 F	3-20S-35E	2-20-61	P 70 BO	3688 DF	5040	4959	Queen
Western Fed.	2 M	3-20S-35E	12-5-61	P 87 BO	3693 DF	5038	4951	Queen
Brown, J. G. & Assoc. Federal	3 J	4-20S-35E	10-11-61	F 118 BO	3697 DF	5000	4955	Queen
Federal	5 N	4-20S-35E	9-19-61	F 240 BO	3697 DF	5041	4981	Queen
Federal	6 K	4-20S-35E	10-18-61	F 238 BO	3695 DF	5017	4964	Queen
Federal "A"	7 M	4-20S-35E	11-17-61	F 204 BO	3696 DF	5040	4994	Queen
Federal "A"	8 L	4-20S-35E	12-18-61	F 250 BO	4696 DF	5042	4990	Queen
Trigg, John H. Federal "PQ"	1 H	4-20S-35E	12-22-61	F 122 BO	3696 DF	5030	4957	Queen
Sinclair Oil & Gas Co. Federal Lea 6025	1 E	7-20S-35E	2-19-61	P & A	3688 DF	14947		
So. Union Prod. Co. Fed. Saunders	6 A	8-20S-35E	11-10-61	P & A	3697 DF	5080		
Fed. Saunders	2 A	9-20S-35E	4-8-61	240 BO		5050		
Fed. Saunders	4 C	9-20S-35E	8-25-61	F 188 BO	3697 DF	5034	4991	Queen
Fed. Saunders	5 D	9-20S-35E	11-6-61	P 165 BO	3698 DF	5063	5020	Queen
Fed. Saunders	3 D	10-20S-35E	5-4-61	P 121 BO	3680 DF	5045	4969	Queen
Trainer, C. W. Federal "F"	1 K	10-20S-35E	2-13-61	P & A	3683 DF	5102		
Continental Oil Co. Sanderson Fed. "AB"	2 D	14-20S-36E	12-16-61	P & A	3580 DF	8656		
Byrom, W. K. Laughlin	4 E	4-20S-37E	7-16-61	P 35 BO	3564 DF	3895	3850	Grayburg
Texaco, Inc. (Triple) Weir, C. H. "B"	4 I	11-20S-37E	3-29-61 3-20-61 3-25-61	P 5 BO 33 BO F 773 MCF	3591 DF	6915	6847 5303 3620	Drinkard Glorieta Queen

COMPANY LEASE	WELL UNIT	S.T.R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
Texaco, Inc. Weir, C. H. "A" (Triple)	7 L	12-208-37E	10-17-61 10-4-61 9-29-61	F 68 BO F 2100 MCF F 120 BO	3578 DF	6900	5280 3612 6787	Glorieta Queen Drinkard
Shell Oil Co. State "J"	5 J	32-208-37E	5-7-61	P & A		3856		
Continental Oil Co. Warren Ut. McKee	28 J	20-208-38E	12-20-61	F 158 BO	3565 DF	9218	9029	McKee
Gackle Drlg. Co. Federal	1 F	11-218-32E	12-10-61	P & A	3868 DF	3671		
Wilson Oil Co. Amerada State	3 G	13-218-34E	5-30-61	P 35 BO	3662 DF	3773	3686	Yates
Humble Oil & Rfg. Co. State "BJ"	1 D	32-218-35E	6-23-61	P & A	3621 DF	3896		
Carter & Mandel Co. Gulf Lea State	1 K	33-218-35E	9-8-61	F 38 BO	3610 DF	3925	3804	Yates
	2 L	33-218-35E	11-28-61	F 58 BO	3606 DF	4000	3876	Yates
Rodman, E. G. Lee	5 B	20-218-37E	4-23-61	13500 MCF	3494 DF	5985	5620	Blinbry
Gulf Oil Corp. Mattern, H. T. "B"	13 J	30-218-37E	8-18-61	F 12 BO	3498 DF	3025	3699	Grayburg
Texaco, Inc. Henderson, V. M. (Triple)	6 C	30-218-37E	11-21-61 12-27-61 12-15-61	135 BO 6400 MCF F 48 BO	3504 DF	6700	5158 5539 6550	Glorieta Blinbry Drinkard
Smith, Ray, Drlg. Co. Texaco Weaver	1 F	13-228-32E	12-3-61	P & A		5070		
Trigg, John H. Fed. Jennings	1 F	16-228-32E	5-7-61	P & A	3695 KB	4896		
Helbing, S.C. & Podpechan F.W. Shell State "B"	1 M	32-228-32E	4-15-61	F & W	3726 KB	5235		
Kirklin Drlg. Co. & R. B. Ferris Phillips State	1 A	33-228-33E	5-22-61	F & W	3588 DF	5270		
Atlantic Rfg. Co. State "AR"	1 L	1-228-34E	12-30-61	F & A	3604 DF	4040		
Continental Oil Co. Bell Lake Ut. Fed.	8 M	7-228-34E	10-9-61	P & A	3523 KB	6500		
Ross, Wm. G. Turner State	1 L	2-228-35E	11-23-61	P 25 BO	3598 DF	3956	3847	Yates
T.P. Coal & Oil Co. State "A" A/C 2	53 N	8-228-36E	2-20-61	F 180 BO	3600 DF	3886	3785	Queen
	54 O	8-228-36E	3-1-61	F 338 BO	3599 DF	3863	3791	Queen
	55 P	8-228-36E	4-14-61	F 135 BO	3392 DF	3850	3774	Queen
	56 J	8-228-36E	9-21-61	F 1865 MCF	3588 DF	3853	3182	Yates
	62 H	9-228-36E	3-17-61	F 55 BO	3562 DF	3820	3745	Queen
Olsen Oils, Inc. James, Mattie	2 A	10-228-36E	1-8-61	P 12 BO	3569 DF	3842	3792	Queen
	3 B	10-228-36E	9-29-61	P 20 BO	3570 DF	3904	3810	Queen
Southwest Prod. Co. McDonald State	1 C	14-228-36E	3-13-61	F 295 MCF	3534 DF	3985	3604	Queen
Ohio Oil Co. McDonald State	27 H	24-228-36E	8-29-61	F 44 BO	3442 DF	3797	3678	Queen

COMPANY LEASE	WELL UNIT	S.T.R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
Ohio Oil Co.								
McDonald St. A/C 1-B	21 E	25-228-36E	9-16-61	F 475 BO	3470 DF	3822	3705	Queen
McDonald St. A/C 1-B	22 F	25-228-36E	9-28-61	F 183 BO	3456 DF	3808	3745	Queen
McDonald St. A/C 1-B	24 D	25-228-36E	1-9-61	F 324 BO	3472 DF	3824	3698	Queen
Shell Oil Co.								
Christmas "B"	2 M	25-228-36E	5-6-61	F 252 BO	3462 DF	3800	3698	Queen
Christmas "B"	3 L	25-228-36E	7-10-61	F 39 BO	3456 DF	3850	3683	Queen
Christmas "B"	4 O	25-228-36E	9-7-61	P & A	3444 DF	3900		
Christmas "B"	5 K	25-228-36E	8-2-61	F 274 BO	3454 DF	3900	3755	Queen
Ohio Oil Co.								
McDonald St.	19 P	26-228-36E	8-31-61	F 80 BO	3421 DF	3815	3714	Queen
McDonald St. A/C 1-B	20 L	26-228-36E	9-8-61	F 337 BO	3466 DF	3814	3730	Queen
McDonald St. A/C 1-B	23 H	26-228-36E	11-12-61	F 103 BO	3472 DF	3845	3710	Queen
McDonald St. A/C 1-B	25 G	26-228-36E	12-14-61	F 44 BO	3483 DF	3834	3709	Queen
McDonald St. A/C 1-B	26 A	26-228-36E	12-4-61	249 BO	3488 DF	3839	3710	Queen
Continental Oil Co.								
State "A"	7 H	32-228-36E	6-7-61	P & A	3491 DF	3800		
Ohio Oil Co.								
McDonald St. A/C 1-B	18 D	36-228-36E	8-18-61	F 164 BO	3464 DF	3800	3704	Queen
Ambassador Oil Corp.								
Brunson, R.L. Tr. 2	5 K	3-228-37E	12-20-61	F 56 BO	3416 DF	3960	3000	Grayburg
Texaco, Inc.								
Falby, C.P. Fed. (Triple)	4 L	8-228-37E	2-2-61	F 10 BO	3422 DF	6550	3668	Grayburg
			1-15-61	F 52 BO			6464	Tubb
				F 99 BO			6484	Drinkard
Falby, C.P. Fed. A (Triple)	4 E	8-228-37E	8-12-61	F 46 BO	3429 DF	6555	3473	Queen
				18 BO			3672	Grayburg
				F 71 BO			6455	Drinkard
Ambassador Oil Corp.								
Wortham, Lou	3 C	11-228-37E	11-26-61	F 108 BO	3369 DF	3950	3742	Grayburg
Wortham, Lou	4 F	11-228-37E	12-11-61	F 214 BO	3367 DF	3820	3627	Grayburg
Adobe Oil Co.								
State	3 L	17-228-37E	1-21-61	F 43 BO	3399 DF	3800	3506	Queen
Humble Oil & Rfg. Co.								
State "M"	29 N	19-228-37E	1-22-61	F 240 BO	3427 DF	3764	3724	Queen
State "M"	30 P	19-228-37E	2-2-61	F 180 BO	3420 DF	3750	3665	Queen
State "M"	32 M	19-228-37E	4-22-61	F 27 BO	3432 DF	3863	3738	Queen
State "M"	33 K	19-228-37E	3-14-61	F 221 BO	3435 DF	3776	3716	Queen
State "M"	40 L	19-228-37E	5-12-61	F 192 BO	3436 DF	3786	3710	Queen
State "M"	42 E	19-228-37E	6-7-61	F 129 BO	3437 DF	3770	3654	Queen
State "M"	43 G	19-228-37E	5-14-61	F 473 BO	3429 DF	3720	3684	Grayburg
State "M"	44 I	19-228-37E	5-28-61	F 254 BO		3702	3606	Queen
State "M"	37 M	20-228-37E	4-15-61	F 244 BO	3399 DF	3700	3628	Queen
Skelly Oil Co.								
Hobbs "M"	1 L	20-228-37E	8-11-61	F 956 BO	3397 DF	3687	3568	Queen
Humble Oil & Rfg. Co.								
State "M"	34 D	29-228-37E	2-21-61	F 250 BO	3390 DF	3690	3620	Queen
State "M"	31 A	30-228-37E	2-9-61	F 374 BO	3401 DF	3740	3678	Queen
State "M"	35 B	30-228-37E	3-23-61	F 425 BO	3419 DF	3763	3732	Queen
State "M"	36 F	30-228-37E	4-19-61	F 184 BO	3401 DF	3732	3621	Queen
State "M"	38 G	30-228-37E	4-26-61	F 300 BO	3422 DF	3758	3733	Queen
State "M"	39 J	30-228-37E	5-1-61	F 342 BO	3411 DF	3752	3726	Queen
State "M"	41 O	30-228-37E	5-21-61	F 402 BO	3410 DF	3750	3693	Queen
State "M"	45 C	30-228-37E	6-25-61	P 60 BO	3425 DF	3765	3723	Queen
Texaco, Inc.								
Lockhart, C.H. NCT-1	9 I	18-228-38E	3-22-61	P 31 BO	3377 DF	7210	6875	Drinkard
Blinebry, A.H. Fed. NCT-1 (Dual)	12 H	19-228-38E	10-1-61	F 120 BO	3384 DF	7200	6850	Drinkard
			9-29-61	528 BO			5591	Blinebry



COMPANY LEASE	WELL UNIT	B.T.R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
Texaco, Inc. Blinebry, A.H. Fed. NCT-1 (Triple)	14 M	28-22S-38E	9-14-61	F 160 BO	3387 DF	7200	5234	Paddock Tubb Drinkard
			10-9-61	3 BO	3387 DF		6245	
			9-24-61	F 106 BO	3387 DF		6920	
Gulf Oil Corp. Higgins (Dual)	2 I	29-22S-38E	1-6-61	F 50 BO	3394 DF	7200	5615	Blinebry Drinkard Drinkard Blinebry
				F 20 BO			7022	
				F 80 BO			5678	
Watkins (Dual)	2 P	29-22S-38E	4-13-61 4-7-61	142 BO	3388 DF	7150	6951	
Texaco, Inc. Blinebry, A.H. Fed. NCT-1 (Dual)	13 E	29-22S-38E	5-23-61	F 64 BO	3385 DF	7000	6828	Drinkard Blinebry
				F 241 BO			5705	
Gulf Oil Corp. Scarborough Est. Andrews, T. R. (Dual)	5 J	31-22S-38E	9-27-61	F 85 BO	3344 DF	5870	6618	Blinebry Drinkard Blinebry
	5 A	32-22S-38E	9-29-61	F 33 BO	3384 DF	7150	6876	
				F 55 BO			5653	
Pan Amer. Pet. Corp. State "S" State "T"	4 E	32-22S-38E	11-16-61	TA	3383 DF	5236		Paddock
	1-A K	32-22S-38E	3-4-61	P 104 BO	3401 DF	5803	5155	
Kiel, G. B., Jr. Federal	1 H	3-23S-32E	11-25-61	P & A	3727 KB	5016		
Hill, Meeker & Ambess. Oil Corp. Mathews 11	1 G	11-23S-32E	4-17-61	P & A	3727 DF	5085		
Cont'l. Oil Co. Fields, J. E. Fed.	1 P	24-23S-32E	11-2-61	P 41 BO	3724 KB	5217	5111	Delaware
Palmer, J.B. & McCarver, A.G. Federal Fields Federal James	1 N	26-23S-32E	4-21-61	P & A	3658 KB	5080		Delaware Delaware
	4 T	26-23S-32E	11-3-61	P & A	3706 DF	5211		
McCarver, A. G. Federal Payne	1 F	35-23S-32E	6-10-61	F 52 BO	3689 DF	5091	5014	Delaware
Palmer & McCarver Federal James Federal James Federal James	1 A	35-23S-32E	2-14-61	F 58 BO	3674 DF	5200	5062	Delaware Delaware
	2 B	35-23S-32E	4-7-61	F 68 BO	3694 DF	5143	5031	
	3 J	35-23S-32E	6-23-61	P & A	3670 DF	5110		
Cabeen Expl. Corp. Cont. Fed. "C"	1 P	4-23S-33E	6-12-61	P & A	3625 GR	5179		
Helbing & Podreben Shell State "A"	1 M	18-23S-33E	4-9-61	P & A	3722 KB	5225		
Cont'l. Oil Co. Marshall, I.J. Fed. Marshall Fed. Marshall Fed.	1 M	19-23S-33E	9-20-61	F 271 BO	3719 KB	5237	5095	Delaware Delaware
	2 K	19-23S-33E	11-29-61	F 86 BO	3703 KB	5216	5105	
	3 N	19-23S-33E	12-11-61	P & A	3709 DF	5324		
Buckles, G. L. Co. State	1 M	35-23S-33E	3-30-61	P & A	3668 DF	5486		
Gulf Oil Corp. Janda, J. P. NCT-1	10 E	2-23S-36E	2-22-61	F 600 BO		3800	3693	Queen
T. P. Coal & Oil Co. State "A"	96 C	4-23S-36E	1-30-61	TA	3476 DF	3757		
Gulf Oil Corp. Janda, J.P. NCT-B	4 O	11-23S-36E	2-21-61	F 288 BO	3430 DF	3710	3625	Queen
Continental Oil Co. Stevens Fed. B-14	3 O	14-23S-36E	4-18-61	F 9 BO	3370 KB	3670	3520	Queen
Western Nat. Gas Co. Matkins	3 L	14-23S-36E	5-21-61	F 231 BO	3335 DF	3625	3572	Queen

COMPANY LEASE	WELL UNIT	S.T.R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
Continental Oil Co. Stevens Fed. B-15 (Dual)	3 W	15-23S-36E	6-1-61 8-16-61	F 10 BO 1950 MCF	3395 DF	3695	3642 3066	Queen Yates
Gackle, Albert, Opr. Sinclair State "A"	4 J	23-23S-36E	1-16-61	F 152 BO	3380 DF	3735	3518	Queen
Sun Oil Co. Richards, A. D.	5 D	7-23S-37E	5-4-61	F 33 BO	3392 DF	3800	3734	Queen
T. P. Coal & Oil Co. Clift	5 L	8-23S-37E	8-12-61	F 48 BO	3340 DF	3694	3536	Queen
Samedan Oil Corp. Hughes Fed. A-2	10 I	9-23S-37E	10-14-61	F 132 BO	3305 DF	3665	3520	Queen
	11 L	10-23S-37E	11-11-61	F 192 BO	3291 GR	3679	3518	Queen
Craig, Earle M., Jr. Ohio State	1 P	24-23S-37E	8-20-61	P & A	3281 DF	7020		
T. P. Coal & Oil Co. Blinebry "A"	10 C	30-23S-37E	5-8-61	F 58 BO	3332 DF	3629	3530	Queen
	11 E	30-23S-37E	6-20-61	F 42 BO	3355 DF	3662	3572	Queen
Texaco, Inc. Blinebry, E.E. Fed A	3 P	31-23S-37E	4-3-61	F 151 BO	3317 DF	3670	3542	Queen
Shell Oil Co. State "JL"	1 L	32-23S-37E	5-13-61	F 21 BO	3313 DF	3720	3537	Queen
Texaco, Inc. State "B" NCT-4	1 M	32-23S-37E	10-29-61	F 149 BO	3313 DF	3676	3498	Queen
	2 N	32-23S-37E	12-13-61	36 BO	3304 DF	3670	3459	Queen
Carter Found. Prod. Co. Blinebry Fed.	12 J	34-23S-37E	11-1-61	F 72 BO	3267 DF	3600	3496	Queen
T. P. Coal & Oil Co. Blinebry "B"	4 L	34-23S-37E	6-8-61	F 151 BO	3278 DF	3595	3542	Queen
	5 E	34-23S-37E	7-13-61	F 234 BO	3293 DF	3616	3537	Queen
	6 K	34-23S-37E	7-4-61	F 104 BO		3572	3488	Queen
	7 F	34-23S-37E	9-9-61	F 146 BO	3280 DF	3586	3502	Queen
	8 D	34-23S-37E	10-9-61	35 BO	3302 DF	3598	3508	Queen
Anderson Prichard Oil Corp. Western Fed. (Triple)	1 D	5-23S-38E	2-11-61 7-27-60 7-31-60	2750 MCF F 143 BO F 52 BO	3367 DF	7052	6106 6536 5731	Tubb Drinkard Blinebry
Texaco, Inc. Ohio State	1 H	2-24S-32E	7-9-61	P 36 BO	3631 DF	5061	5000	Delaware
Gulf Oil Corp. Hanagan Fed. "B"	1 O	15-24S-32E	4-27-61	P 71 BO	3599 DF	4960	4902	Delaware
	2 P	15-24S-32E	7-1-61	P 4519 BO	3603 DF	4990	4903	Delaware
	3 I	15-24S-32E	7-31-61	P & A	3591 DF	4970		
Tennessee Gas Trans. Co. U.S. Smelting USA	1 B	22-24S-32E	1-20-61	F 44 BO	3602 KB	5014	4914	Delaware
	2 E	22-24S-32E	6-3-61	5650 MCF	3606 GR	5296	4871	Delaware
Osborn, Thompson & Thorn Bondurant Fed.	1 D	24-24S-32E	7-3-61	P & A	3584 DF	5080		
Richardson, Sid, Inc. Del Basin Fed.	1 M	35-24S-32E	2-21-61	P & A		4979		
Bennett, Byard Holland, J.L. etal	1 H	13-24S-33E	3-8-61	P & A	3580 DF	5425		
Continental Oil Co. State "BB"	1 W	20-24S-33E	2-20-61	P & A	3537 DF	5219		

COMPANY LEASE	WELL UNIT	U.T.R.	COMP. DATE	INTE. PROD. TEST	ELEV.	TOTAL DEPTH	BOF PAY	PRODUCING FORMATION
Continental Oil Co. State "CC"	1 A	30-243-333	2-22-61	P & A		350		
Kirklin Drilg. Co. Continental State	1 D	30-243-334	1-23-61	P & A	3544 DF	5108		
Gackle, Albert, Mgr. Continental State	1 E	31-243-336	2-24-61	P & A	3524 DF	4130		
Cabeen Expl. Corp. Shell Federal	1 E	21-243-340	6-16-61	P & A	3538 DF	5505		
Gulf Oil Corp. Lea State "CB"	2 D	10-243-358	11-3-61	P & A	3307 DF	4000		
Lea State "CB"	1 G	15-243-358	9-23-61	P & A	3371 KB	5417		
Gackle Drilg. Co. Granum Paige	1 G	27-243-358	2-20-61	P & A	3307 DF	3498		
Carter Found. Prod. Co. Mattix Federal	4 D	3-243-372	11-15-61	F 83 BO	3288 DF	3575	3501	Queen
Mattix Federal	5 E	3-243-372		F 244 BO	3259 DF	3557	3495	Queen
Texasco, Inc. Fanning, E. D.	7 G	5-243-373	7-23-61	F 2200 BO	3299 DF	3687	3064	Yates
T. H. Coal & Oil Co. Courtland Meyers	7 L	6-243-377	6-12-61	F 280 BO	3118 DF	3525	3552	Queen
Courtland Meyers	8 K	6-243-375	7-24-61	F 258 BO	3304 DF	3597	3534	Queen
Courtland Meyers	5 H	6-243-377	6-23-61	F 55 BO	3327 DF	3620	3618	Queen
Courtland Meyers Fed.	6 I	6-243-375	5-4-61	F 44 BO	3324 DF	3530	3514	Queen
Gillespie, C. B., Jr. Gutman, et al	1 A	20-243-373	12-17-61	F 114 BO	3117 DF	3600	3743	Queen
Texasco, Inc. Erwin B NCT-2 (Triple)	1 P	35-243-373	8-27-61	F 157 BO	3171 DF	4505	8458	Ellenberger
			8-29-61	F 239 BO			5958	Drinkard
			8-28-61	F 222 BO			7928	McKee
Gulf Oil Corp. Ramsay, W.A. "C" (Dual)	2 M	36-243-376	11-8-61	F 127 BO	3151 KB	8480	7938	McKee
			11-4-61	F 125 BO			8381	Ellenberger
Enfield, Robert R. Livestock Federal	1 M	18-243-356	10-15-61	F 108 BO	3183 DF	3850	3752	Queen
Texasco, Inc. Cotton Dr. Unit	62 I	9-253-322	7-21-61	40 BO	3460 DF	4825	4709	Delaware
Ray, E.P. Fed. NCT-2	1 P	9-253-322	2-21-61	F 220 BO	3457 DF	4850	4706	Delaware
Texasco Corp. Ray, E. P. Fed.	61 L	10-253-322	4-12-61	F 16 BO	3467 DF	4825	4737	Delaware
Texasco, Inc. Cotton Dr. Ut. Fed.	60 G	10-253-322	11-22-61	F 24 BO	3463 DF	4825	4723	Delaware
Ray, E.P. Fed. "B"	1 D	10-253-322	2-12-61	F 17 BO	3460 DF	4800	4736	Delaware
Ray, E.P. Fed. "B"	2 F	10-253-322	2-11-61	84 BO	3462 DF	4791	4712	Delaware
Ray, E.P. Fed. "B"	3 C	10-253-322	3-28-61	30 BO	3476 DF	4815	4752	Delaware
Ray, E.P. Fed. NCT-1	1 N	10-253-322	1-5-61	198 BO	3457 DF	4771	4704	Delaware
Ray, E.P. Fed. NCT-1	2 F	10-253-322	1-25-61	123 BO	3459 DF	4787	4728	Delaware
Ray, E.P. Fed. B NCT-2	2 F	10-253-322	4-14-61	38 BO	3470 DF	4850	4734	Delaware
Jordan, G.E. Fed. NCT-1	8 B	15-253-322	1-18-61	F 175 BO	3453 DF	4798	4705	Delaware
Jordan, G.E. Fed. NCT-1	10 B	15-253-322	3-6-61	78 BO	3446 DF	4780	4698	Delaware
Jordan, G.E. Fed. NCT-2	2 D	15-253-322	1-11-61	F 396 BO	3452 DF	4745	4688	Delaware
Continental Oil Co. State M	1 G	16-253-322	3-22-61	P 22 BO	3444 KB	4795	4638	Delaware
Devo, Harry H. Golden Dr. Unit	42 I	20-253-322	4-21-61	F 42 BO	3390 DF	4735	4592	Delaware

COMPANY LEASE	WELL UNIT	S.T.R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
Bass, Perry R. Perry Federal	43 J	20-258-32E	4-9-61	F 59 BO	3380 DF	4765	4606	Delaware
Panther City Inves. Co. Perry Federal	1 A	21-258-32E	1-21-61	F 120 BO	3429 DF	4790	4616	Delaware
Perry Federal	2 H	21-258-32E	2-3-61	F 65 BO	3439	4784	4632	Delaware
Perry Federal	3 I	21-258-32E	4-6-61	F 87 DO	3412 KB	4757	4638	Delaware
Perry Federal	4 J	21-258-32E	5-29-61	F 83 BO	3410 DF	4787	4630	Delaware
Perry Federal	5 K	21-258-32E	3-6-61	F 57 BO	3409 DF	4735	4592	Delaware
Perry Federal	6 P	21-258-32E	2-23-61	F 65 BO	3412 KB	4736	4586	Delaware
Perry Federal	7 Q	21-258-32E	2-14-61	F 44 BO	3414 BO	4755	4594	Delaware
Perry Federal	35 L	21-258-32E	3-16-61	F 55 BO	3396 KB	4734	4612	Delaware
Perry Federal	37 M	21-258-32E	3-28-61	F 67 DO	3397 DF	4784	4610	Delaware
Perry Federal	38 N	21-258-32E	3-17-61	F 50 BO	3401 DF	4754	4504	Delaware
Tenneco Corp. Perry, E. H. USA Fed.	36 E	21-258-32E	3-20-61	F 196 BO	3401 DF	4685	4602	Delaware
Tennessee Gas Transm. Co. Perry, E.H. USA Fed.	3 G	21-258-32E	1-6-61	F 129 BO	3419 DF	4747	4639	Delaware
Texaco, Inc. Cotton Dr. Unit	44 C	21-258-32E	4-18-61	F 59 BO	3400 KB	4799	4630	Delaware
Cotton Dr. Unit Fed.	57 F	21-258-32E	9-30-61	F 294 BO	3395 DF	4707	4645	Delaware
Cotton Dr. Unit	16 G	22-258-32E	3-1-61	F 211 BO	3440 DF	4753	4690	Delaware
Cotton Dr. Unit	18 F	22-258-32E	6-2-61	90 BO	3411 DF	4755	4690	Delaware
Cotton Dr. Unit	48 L	22-258-32E	6-15-61	F 112 BO	3409 DF	4756	4653	Delaware
Tenneco Oil Co. Sears, J.D., Jr. USA	1 K	28-258-32E	12-1-61	124 BO	3374 DF	4755	4618	Delaware
Texaco, Inc. Cotton Dr. Unit	45 D	28-258-32E	4-18-61	125 BO	3380 DF	4747	4616	Delaware
Cotton Dr. Unit Fed.	47 C	28-258-32E	5-6-61	90 BO	3390 DF	4750	4618	Delaware
Cotton Dr. Unit Fed.	50 K	28-258-32E	6-26-61	40 BO	3381 DF	4770	4610	Delaware
Cotton Dr. Unit Fed.	51 B	28-258-32E	7-5-61	F 70 BO	3397 DF	4744	4629	Delaware
Cotton Dr. Unit	53 E	28-258-32E	7-31-61	40 BO		4735	4610	Delaware
Cotton Dr. Unit	54 G	28-258-32E	9-2-61	F 16 BO	3385 DF	4770	4621	Delaware
Cotton Dr. Unit Fed.	55 A	28-258-32E	9-14-61	F 296 BO		4760	4628	Delaware
Cotton Dr. Unit Fed.	59 H	28-258-32E	11-22-61	F 14 BO	3385 DF	4795	4640	Delaware
Tenneco Oil Co. Jennings, H.W. USA Fed	1 E	29-258-32E	6-30-61	F & A	3480 DF	5041		
Texaco, Inc. Cotton Dr. Unit	59 W	29-258-32E	9-15-61	35 BO	3376 DF	4727	4598	Delaware
Cotton Dr. Unit	58 H	29-258-32E	11-30-61	TA	3356 DF	4622		
Meeker & Hill Jennings Fed. 33	1 F	33-258-32E	7-6-61	F & A	3254 DF	4604		
Byron, W. K. Sunshine Royalty	1 A	34-258-32E	6-9-61	F & A		4747		
Buss, Jerry R. Federal Muse	1 D	1-258-33E	9-6-61	F & A	3489 DF	5332		
Sanditas Baas Federal	1 I	8-258-33E	4-17-61	F & A	3440 DF	5211		
Holt & Tex. Cr. Oil Co. Federal	1 E	19-258-33E	3-25-61	F & A	3458 DF	5023		
Tidewater Oil Co. Bass, A. R. Fed.	1 P	28-258-33E	9-26-61	F & A	3392 DF	5081		
Wills, Neil H. Continental State	1 I	32-258-33E	2-9-61	F & A	3389 DF	5030		
Wentbrook, D. W. Continental Federal	1 A	31-258-34E	6-1-61	F & A	3332 DF	5353		

COMPANY LEASE	WELL UNIT	S.T.R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
Compoall, W. P. Kamsay, Abbott	1 F	2-258-36E	2-17-61	1700 MCF	3219 DF	3441	3006	Yates
Ansell, Morris R. Roberts	1 E	24-258-36E	1-20-61	F 44 BO	3094 KB	3350	3305	Seven Rivers
Beauchamp, Hyard Acarte Fed.	1 D	24-258-36E	3-12-61	F 44 BO	3119 DF	3285	2936	Yates
Stand. Prod. Co. Brown	7 M	25-258-36E	2-26-61	F 8 BO	3027 DF	3388		
Burk Royalty Co. Lindley	1 A	25-258-36E	8-22-61	F 40 BO	3025 DF	3464	3352	Yates
Dittes Serv. Int. Co. Hodges "B" (Dual)	2 L	1-258-37E	11-6-61	F 370 BO	3128 DF	8442	7933	McKee
Hodges "B" (Dual)	3 L	1-258-37E	12-23-61 1-9-62	F 408 BO F 255 BO F 780 BO	3133 DF	7220	8400 7118 6057	Ellenberger Fusselman Drinkard
Williamson, J. C. Westates Fed.	4 E	1-258-37E	5-28-61	F 432 BO	3120 GR	8700	7000	Fusselman
Westates Fed. (Dual)	5 E	1-258-37E	9-1-61 10-1-61	F 244 BO F 88 BO	3140 DF	6050	5958 5270	Drinkard Blinebry
Westates Fed. (Dual)	6 D	1-258-37E	10-6-61 10-2-61	F 238 BO F 360 BO	3135 GR	8466	8380 7900	Ellenberger McKee
Amerada Pet. Corp. State NJ "A" (Triple)	3 A	2-258-37E	12-11-61 1-4-62 1-2-62	F 442 BO F 318 BO F 407 BO	3173 DF	8570	7986 7042 8444	McKee Fusselman Ellenberger
T.P. Coal & Oil Co. Frishard "A" Fed.	2 H	9-258-37E	3-15-61	V & A	3150 DF	3532		
Langlie "B" Fed.	1 G	11-258-37E	5-14-61	E & A	3128 DF	3480		
Atlantic Rfg. Co. Langlie Fed.	2 J	14-258-37E	10-13-61	E 164 BO	3115 DF	6050	5363	Blinebry
Carlson "A" Fed. (Triple)	1 I	23-258-37E	6-7-61 6-19-61 6-9-61	E 153 BO F 53 BO F 177 BO	3090 DF	6050	5770 5356 4940	Tubb Blinebry Paddock
Carlson "A" Fed. (Dual)	2 J	23-258-37E	9-30-61 10-4-61	F 77 BO 34 BO	3097 DF	6052	5808 5312	Tubb Blinebry
Skelly Oil Co. Las Cruces "C" (Dual)	1 G	23-258-37E	4-27-61	F 406 BO F 431 BO	3096 DF	6000	5850 5345	Tubb Blinebry
Atlantic Rfg. Co. State "Y" (Dual)	9 A	25-258-37E	3-29-61	F 232 BO F 282 BO	3090 DF	6905	6752 5816	Fusselman Tubb
T.P. Coal & Oil Co. Winningham	7 H	30-258-37E	6-22-61	F 90 BO	3025 DF	3307	3232	Seven Rivers
Gregory "A" Fed.	7 H	33-258-37E	9-1-61	F 90 BO	2989 DF	3299	3115	Queen
Gregory "C" Fed.	2 H	35-258-37E	4-11-61	F 37 BO	3024 DF	3316	3192	Queen
Gregory "C" A/C L	3 J	35-258-37E	8-14-61	F 28 BO	3016 DF	3324	3240	Queen
Gulf Oil Corp. Ramsay, A. NCF-F (Dual)	7 D	36-258-37E	1-5-61	F 35 BO F 55 BO	3048 DF	5930	5782 5275	Tubb Blinebry
Ramsay, A. "F"	8 A	36-258-37E	3-10-61	F 231 BO	3058 DF	6889	6763	Fusselman
Ramsay, A. "F"	9 B	36-258-37E	7-11-61	F 71 BO	3055 KB	6950	5196	Blinebry
Ramsay, A. "F" (Dual)	10 E	36-258-37E	8-4-61 8-9-61	F 237 BO F 80 BO	3049 KB	6950	6879 5309	Fusselman Blinebry
Ramsay, A. "F" (Dual)	11 F	36-258-37E	12-26-61 12-20-61	F 159 BO F 95 BO	3033 GR	5930	5200 5784	Blinebry Tubb
Tokano, Inc. Fusselman, G.B. NCF-F (Dual)	5 E	19-258-38E	9-27-61 10-8-61	F 110 BO F 150 BO	3074 DF	5950	5790 5263	Tubb Blinebry

COMPANY LEASE	WELL UNIT	S.T.R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
Texaco, Inc. Fenny, C.E. NCT-4	7 D	19-258-38E		F 152 BO	3085 DF	5946	5234	Blinebry
Union Tex. Nat. Gas Corp. Burrington "B" (Dual) 4-D L	4-D L	19-258-38E	5-4-61 5-2-61	F 66 BO F 105 BO	3077 DF	5980	5800 5315	Tubb Blinebry
Pan Amer. Pet. Corp. State "AJ"	7 N	30-258-38E	3-28-61	TA	3075 DF	7017		
Leonard Oil Co. Ginsberg Fed. (Triple) 11 E	11 E	31-258-38E	9-21-61 10-12-61	F 120 BO F 60 BO F 72 BO	3050 DF	6977	6938 5265 5831	Fusselman Blinebry Tubb
Holt & Mallard Pet., Inc. Conoco Federal	1 A	6-268-32E	12-20-61	P & A	3283 DF	4529		
Cactus Drilg. Co. Ohio State	1 F	16-268-32E	5-10-61	P & A	3174 DF	4585		
Enfield, Robert H. Ohio State	1 K	16-268-32E	12-4-61	P 8 BO	3182 DF	4588	4443	Delaware
Texaco, Inc. State "CO"	1 D	2-268-33E	10-10-61	P & A	3324 DF	5243		
Miller, G.W. Fed. NCT-1	1 F	4-268-33E	2-8-61	P & A	3339 DF	5259		
Continental Oil Co. Bradley Federal	1 P	13-268-33E	4-13-61	P & A	3368 KB	5375		
Ahlweil, Morris E. Littlefield Fed. DG	1-X M	19-268-33E	10-1-61	P 38 BO	3150 DF	4710	4702	Delaware
Gulf Oil Corp. Gulf Yates Fed.	1 D	3-268-34E	5-10-61	P & A	3314 KB	5489		
Kirklin Drilg. Co. Gulf Federal	1 A	18-268-34E	7-10-61	P & A	3380 DF	5452		
Hondo Federal	1 A	26-268-34E	9-20-61	P & A	3230 DF	5473		
Texaco, Inc. Shepherd C.W. Fed. "A"	3 H	1-268-36E	1-10-61	F 176 BO	3980 DF	3050	2928	Seven Rivers
Shepherd C.W. Fed. "B"	5 I	1-268-36E	9-8-61	F 82 BO	2980	2964	2934	Seven Rivers
T.F. Coal & Oil Co. Farnsworth Fed.	11 D	4-268-37E	6-27-61	P 58 BO	3995 DF	3289	3216	Seven Rivers
Farnsworth Fed.	12 E	4-268-37E	7-6-61	P 66 BO	2993 DF	3286	3222	Queen
Forest Oil Corp. Leonard Fed.	1 P	12-268-37E	11-9-61	P & A	3022 DF	10125		
<u>MCKINLEY COUNTY</u>								
Senutovitch, George New Mexico	1 D	26-14N-11W	10-25-61	P & A	7029 DF	350		
Reynolds, Noel Tafaya Graub	1 L	8-15N-6W	10-14-61	P & A	6859 GL	21		
Senutovitch, George V & S Federal	7 F	22-16N-10W	4-21-61	P & A	7276 DF	1350		
Wayne Laws & Assoc. State	1 P	2-16N-16W	8-27-61	P & A	7069 GL	500		
Senutovitch, George New Mexico "A"	7 I	2-17N-11W	10-24-61	TA	6682 DF	315		
New Mexico "B"	7 I	2-17N-11W	10-23-61	TA	6700 DF	315		
New Mexico "D"	7 I	2-17N-11W	10-18-61	TA	6705 DF	315		
Federal "K"	7 P	2-17N-11W	10-25-61	TA	6692 DF	210		

COMPANY LEASE	WELL UNIT	S.T.R.	COMP. DATE	INIT. PRDD. TEST	ELEV.	TOTAL DEPTH	'TOP' PAY	PRODUCING FORMATION
Semikovitch, George								
B & B Festival	7 I	2-17N-11W	5-3-61	P & A	6682 DF	1280		
New Mexico	3 F	14-17N-11W	11-10-61	TA	6691 DF	730		
New Mexico	1 I	22-17N-11W	11-7-61	TA	6720 DF	660		
New Mexico	1 L	24-17N-11W	11-9-61	TA	6732 DF	155		
Mesa Retailers, Inc.								
Ferris "W"	1 O	14-18N-10W	10-10-61	Inj.	6513 GL	387		
Ferris "W"	3 O	18-18N-10W	1-24-61	Inj.	6508 GL	492		
Ferris "W"	4 O	18-18N-10W	10-9-61	Inj.		392		
Williamson, H. R.								
Ferris, J.B. Expl.	1-A P	16-18N-10W	9-18-61	D & A	6508 GL	455		
Mesa Retailers								
Santa Fe "A"	1 A	19-18N-10W	1-8-61	5 BO	6495 GL	418	313	Mesaverde
Chaco Oil Co.								
Santa Fe Pac. RR	1 O	20-20N-9W	11-8-61	Inj.	6437 GL	468		
Santa Fe Pac. RR	12 F	20-20N-9W	3-26-61	Inj.	6373 GL	483		
Santa Fe Pac. RR	22 O	20-20N-9W	8-29-61	21 BO	6400	468		Mesaverde
Santa Fe Pac. RR	23 O	20-20N-9W	9-14-61	23 BO	6407 GL	478		Mesaverde
Scanlon & Shepard								
Santa Fe RR	1 P	21-20N-9W	9-29-61	17 BO	6410 GL	316	312	Mesaverde
Santa Fe RR	4 P	21-20N-9W	11-2-61	20 BO	6410 GL	330		Mesaverde
Santa Fe RR	5 P	21-20N-9W	10-31-61	20 BO	6405 GL	360	325	Mesaverde
Chaco Oil Co.								
Santa Fe Pac. RR	4 B	29-20N-9W	6-3-61	14 BO	6406 GL	487		Mesaverde
Santa Fe Pac. RR	6 B	29-20N-9W	3-21-61	Inj.	6453 GL	499		
<u>MORA COUNTY</u>								
Franks & Besser								
Jeffrey	1 C	32-23N-22E	10-24-61	P & A		1048		
<u>OTERO COUNTY</u>								
Phillips Pet. Co.								
Turquoise	1 A	18-20S-9E	2-1-61	P & A	4059 DF	5437		
Coral Oil & Gas Co.								
Leonard Fed.	1 N	17-20S-16E	8-8-61	F & A		50		
Campbell, E. P.								
Liberian State	1 C	7-23S-15E	1-22-61	P & A	4350 DF	2700		
McMillan Federal	1 K	15-23S-19E	3-28-61	P & A	4327 DF	3189		
Coral Oil & Gas Co.								
A. N. Spanel	1 A	9-24S-14E	8-2-61	P & A		1873		
<u>RIO ARriba COUNTY</u>								
Shar-Alan Oil Co.								
Pasty-Federal	1 K	5-23N-1W	4-29-61	3862 MCF	7439 GL	3187	3110	Pictured Cliffs
Elliott-Federal	1 K	6-23N-1W	11-1-61	1594 MCF	7636 GL	3377	3336	Pictured Cliffs
Hall-Federal	1 C	6-23N-1W	10-20-61	1300 MCF	7475 GL	3240	3205	Pictured Cliffs
Hanson-Federal	1 I	6-23N-1W	9-6-61	2819 MCF	7679 GL	3410	3366	Pictured Cliffs
Hanson-Federal	2 H	6-23N-1W	10-3-61	1478 MCF	7589 GL	3340	3284	Pictured Cliffs
Elliott-Federal	2 D	7-23N-1W	11-22-61	2082 MCF	7500 GL	3296	3209	Pictured Cliffs
Pasty-Federal	2 C	8-23N-1W	1-8-61	P & A	7460 GL	3164		
The Magellan Co.								
Jicarilla	1 M	17-23N-3W	5-7-61	D & A	7282 DF	3045		
Reese, V. B. & Assoc.								
Reynolds	1 A	2-23N-6W	5-9-61	P & A	6882 GL	5900		

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Darter, Barney State	1 O	2-23N-7W	11-20-61	208 BO	6903 GL	5546	5418	Gallup
Smith, Jacob I, State	2 K	2-23N-7W	11-28-61	38 BO	6903 GL	5510	5301	Gallup
Reese, V. B. & Assoc. Campos	2 A	4-23N-7W	5-11-61	318 BO	7268 GL	5975	5682	Gallup
Heun	1 H	9-23N-7W	1-20-61	268 BO	7228 GL	5900	5654	Gallup
Campos	1 J	10-23N-7W	5-11-61	336 BO	7264 GL	5905	5724	Gallup
Nancy "B"	1 B	14-23N-7W	12-15-61	110 BO	7075 GL	5700	5514	Gallup
Betty "B"	1 C	15-23N-7W	8-23-61	90 BO	7268 GL	5900	5564	Gallup
Leam & Misting Arellano	1 P	5-24N-1E	9-21-61	336 BO	6958	4414		Greenhorn
Western Development	1 F	5-24N-1E	12-3-61	F & A	6981 DF	3850		
Shar-Alan Oil Co. Abraham-Federal	1 D	20-24N-1W	5-18-61	1153 MCF	7579 GL	3506	3324	Pictured Cliffs
Abraham-Federal	8 J	20-24N-1W	5-26-61	4319 MCF	7579 GL	3450	3410	Pictured Cliffs
Wernitz-Federal	2 R	21-24N-1W	7-13-61	3632 MCF	7294 GL	3165	3145	Pictured Cliffs
Dream House Acres New Mexico "A"	1 R	22-24N-1W	9-23-61	2521 MCF	7232 DF	3110	2960	Pictured Cliffs
Shar-Alan Oil Co. Wanson-State	2 M	26-24N-1W	9-26-61	564 MCF	7299 GL	2980	2925	Pictured Cliffs
Duff-Gov't	2 O	27-24N-1W	12-61	2254 MCF	7334 GL	3035	2996	Pictured Cliffs
Harrington-Federal	3 B	26-24N-1W	7-29-61	4273 MCF	7319 GL	3200	3016	Pictured Cliffs
Harrington-Federal	4 I	29-24N-1W	7-15-61	2584 MCF	7396 GL	3164	3127	Pictured Cliffs
Harrington-Federal	6 K	29-24N-1W	6-21-61	3831 MCF	7564 GL	3403	3314	Pictured Cliffs
Dream House Acres Abraham Federal	2 F	30-24N-1W	4-20-61	1222 MCF	7603 DF	3491	3408	Pictured Cliffs
Shar-Alan Oil Co. Abraham	4 B	30-24N-1W	6-22-61	J & A	7510 GL	3500		
Wernitz Federal	3 D	31-24N-1W	9-6-61	1878 MCF	7492 GL	3281	3236	Pictured Cliffs
Wernitz Federal	4 D	31-24N-1W	10-9-61	1325 MCF	7414 GL	3240	3170	Pictured Cliffs
Harrington Federal	5 J	33-24N-1W	10-6-61	6742 MCF	7338 GL	3061	3006	Pictured Cliffs
Duff-Gov't	33 L	34-24N-1W	11-10-61	TA	7306 DF	3040		
Dream House Acres Abraham Federal	3 O	24-24N-2W	1-18-61	2234 MCF	7407 GL	3378	3297	Pictured Cliffs
Shar-Alan Oil Co. Bon Federal	1 G	36-24N-2W	12-10-61	1761 MCF	7357 GL	3173	3107	Pictured Cliffs
ERWG Lindrith Unit	40 M	10-24N-3W	6-30-61	2610 MCF	6915 DF	3181	3124	Pictured Cliffs
Lindrith Unit	41 K	15-24N-3W	6-22-61	5370 MCF	7015 DF	3231	3118	Pictured Cliffs
Lindrith Unit	39 A	16-24N-3W	6-26-61	5091 MCF	6926 DF	3158	3078	Pictured Cliffs
Lindrith Unit	38 A	26-24N-3W	6-17-61	1018 MCF	7164 DF	3283	3215	Pictured Cliffs
Gulf Oil Corp. Apache Federal	13 J	7-24N-5W	5-19-61	4103 MCF	6473 GL	6774	6591	Dakota
Apache Federal	15 D	7-24N-5W	6-19-61	1473 MCF	6530 GL	6878	6578	Dakota
Apache Federal	11 J	8-24N-5W	4-16-61	2452 MCF	6507 GL	6915	6639	Dakota
Continental Oil Co. NE Haynes Apache	2 D	16-24N-5W	10-18-61	1990 MCF	6517 GL	6855	6676	Dakota
Gulf Oil Corp. Apache Federal	12 J	17-24N-5W	5-2-61	8821 MCF	6602 GL	6885	6673	Dakota
Apache Federal	14 D	18-24N-5W	6-4-61	2653 MCF	6459 GL	6760	6597	Dakota
Kimball, Kay Bolsak	2 G	1-24N-6W	5-28-61	5328 MCF	6584 DF	6915	6732	Dakota
Merrion, J. G. & Assoc. Edna (Dust)	2 O	7-24N-6W	5-17-61	5 MCF 157 BO	6876	6938	2373 5860	Pictured Cliffs Gallup



COMPANY LEASE	WELL UNIT	S.T.R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
Gr. Merrion & Assoc. Edna	3 E	7-24N-6W	9-16-61	132 BO	6795 GL	6055	5817	Gallup
EPNG Canyon Largo Ut.	108 I	15-24N-6W	8-31-61	1073 MCF	6747 DF	2378	2272	Pictured Cliffs
Canyon Largo Ut.	106 C	20-24N-6W	9-17-61	1190 MCF	6565 DF	5553	5456	Gallup
Reese, V. R. & Assoc. Goff	5 H	30-24N-6W	8-9-61	120 BO	6931 GL	5855	5686	Gallup
Bobby "B"	2 H	31-24N-6W	12-9-61	192 BO	6734 GL	5611	5474	Gallup
EPNG CLU	104 E	3-24N-7W	5-5-61	2518 MCF	7035 DF	2625	2537	Pictured Cliffs
Compass Expl. Federal	2 M	7-24N-7W	1-25-61	23 BO	7163 DF	6154	6006	Gallup
Rutledge, Paul F. Miller "D" (Dual)	5 W	12-24N-7W	1-26-61	26 BO	6956 DF	6981	5952 6899	Gallup Dakota
Dorfman Production Elizabeth Federal	3 E	18-24N-7W	11-19-61	220 BO	7099 GL	6040	5917	Gallup
Elizabeth Federal	4 E	18-24N-7W	12-7-61	216 BO	7280 GL	6238	6123	Gallup
Reese, V. R. & Assoc. Connle	5 Q	21-24N-7W	3-2-61	480 BO	7100 GL	6000	5720	Gallup
Standard Oil of Tex. Federal 3	1 C	21-24N-7W	2-18-61	201 BO	7265 DF	6200	6076	Gallup
Federal 3	2 H	21-24N-7W	8-24-61	41 BO	7101 GL	6200	5926	Gallup
Reese, V. R. & Assoc. Lybrook	4 J	22-24N-7W	3-22-61	247 BO	6760 GL	5663	5582	Gallup
Lybrook	6 G	22-24N-7W	5-20-61	360 BO	6804 GL	5750	5508	Gallup
Blakely	6 R	23-24N-7W	10-31-61	85 BO	6752 GL	5700	5412	Gallup
Byrd	5 O	23-24N-7W	9-6-61	150 BO	6682 GL	5630	5322	Gallup
Kenney	3 K	23-24N-7W	7-14-61	540 BO	6698 GL	5687	5516	Gallup
Love	2 L	23-24N-7W	4-10-61	1344 BO	6715 GL	5640	5360	Gallup
Mesa	2 I	25-24N-7W	4-30-61	152 BO	6876 GL	5870	5544	Gallup
Connle	4 B	28-24N-7W	4-1-61	43 BO	6869 GL	5712	5440	Gallup
Dorfman Prod. Co. Federal	1 G	30-24N-7W	4-29-61	P & A	7263 DF	6008		
Reeve, V. R. & Assoc. Betty "a"	1 U	31-24N-7W	12-5-61	P & A	6982 GL	5690		
Egan, John A. Jillison	1 D	4-25N-2W	1-15-61	1050 MCF	7436 GL	3846	3807	Pictured Cliffs
So. Union Prod. Martinez	1 M	2-25N-3W	8-24-61	1577 MCF	7233 GL	3862	3781	Pictured Cliffs
McGroden	2 O	9-25N-3W	8-21-61	3014 MCF	7220 GL	3815	3714	Pictured Cliffs
Egan, John A. Hurt	1 E	11-25N-3W	12-3-61	7609 MCF	7276 GL	3855	3792	Pictured Cliffs
EPNG Jicarilla "C" 65	10 E	29-25N-4W	6-6-61	952 MCF	7005 DF	3485	3392	Pictured Cliffs
Jicarilla "D" 41	8 C	30-25N-4W	9-27-61	958 MCF	7385 DF	3679	3561	Pictured Cliffs
Jicarilla "D" 41	10 F	30-25N-4W	10-2-61	717 MCF	7033 DF	3529	3452	Pictured Cliffs
Jicarilla "B"	16 M	33-25N-4W	6-10-61	539 MCF	6830 DF	3196	3096	Pictured Cliffs
Pan Amer. Petr. Jicarilla Cont. 146	11 K	4-25N-5W	6-9-61	615 MCF	6660 DF	7464	7109	Dakota
Jicarilla Cont. 146	12 K	4-25N-5W	6-17-61	1065 MCF	6660 DF	3875	3778	Chacra
Jicarilla Cont. 147	3 A	6-25N-5W	3-17-61	989 MCF	6653 GL	7442	7085	Dakota
Jicarilla Cont. 146	10 N	9-25N-5W	1-14-61	3849 MCF	6726 DF	7458	7147	Dakota
Jicarilla Cont. 146	13 J	9-25N-5W	8-7-61	1400 MCF	6761 DF	7295	7191	Dakota
Jicarilla Cont. 146	14 J	9-25N-5W	8-15-61	1630 MCF	6749 GL	3978	3831	Chacra

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Pan Amer. Petr. Jicarilla Cont. 148	13 C	15-25N-5W	7-8-61	582 MCF	7008 GL	7538	7426	Dakota
Jicarilla Cont. 148	14 C	15-25N-5W	7-17-61	1520 MCF	7008 GL	4202	4092	Chacra
EPNG Canyon Largo U	109 F	2-25N-6W	9-13-61	3884 MCF	6870 GL	2901	2834	Pictured Cliffs
Canyon Largo U	107 A	13-25N-6W	9-7-61	2341 MCF	6699 DF	3826	3640	Chacra
Kimbell, Kay Coral Unit	1 M	28-25N-6W	1-30-61	1494 MCF	6760 DF	7116	6902	Dakota
Tennessee Oil Co. USA Foster, T. J.	1 G	7-25N-7W	12-22-61	F & A	6498 GL	6930		
EPNG Canyon Largo U	105 C	25-25N-7W	4-30-61	494 MCF	6939 DF	2835	2672	Pictured Cliffs
Othel Devel. Co. Othel State	1 A	32-25N-7W	7-19-61	145 MCF	6652 GL	2317	2191	Pictured Cliffs
Bayless, R. L. Hijo "X"	1 F	5-26N-1E	12-4-61	8 BO	7112 DF	2330	2172	Gallup
Bernie	1 H	6-26N-1E	4-25-61	35 BO	7234 GL	3137	2898	Gallup
Central Prod. Federal	2 M	23-26N-1E	12-4-61	TA	7840 GL	2630		
Coral Oil & Gas Co. Grevay	2 O	26-26N-1E	1-17-61	F & A	7286 DF	1390		
Egan, John Alexander	2 O	20-26N-2W	6-20-61	D & A	7359 GL	3810		
Gardner	2 M	28-26N-2W	6-22-61	TA	7481 DF	3905		
Alexander	1 G	29-26N-2W	1-13-61	3069 MCF	7397 GL	3862	3772	Pictured Cliffs
Alexander	3 E	29-26N-2W	12-10-61	9118 MCF	7464 DF	3935	3846	Pictured Cliffs
Mt. States Petr. Federal "F"	1 K	32-26N-2W	1-26-61	2500 MCF	7509 DF	3914	3842	Pictured Cliffs
Socony Mobil Oil Jicarilla "H"	9 O	2-26N-3W	8-17-61	989 MCF	7034 GL	3755	3591	Pictured Cliffs
Jicarilla "H"	10 I	11-26N-3W	11-22-61	495 MCF	7095 GL	3747	3616	Pictured Cliffs
Jicarilla "D"	9 E	13-26N-3W	9-6-61	3164 MCF	7227 GL	3930	3684	Pictured Cliffs
So. Union Prod. Jicarilla "B" (Dual)	5 D	26-26N-4W	11-4-61	1002 MCF 50 BO	6886 GL	8020	3510 7725	Pictured Cliffs Dakota
Occidental Petr. West	3 J	6-26N-5W	7-7-61	2778 MCF	6671 GL	3501	3264	Pictured Cliffs
West (Dual)	4 J	6-26N-5W	12-7-61	2679 MCF	6672 GL	7705	4966	Mesaverde
				2411 MCF			7481	Dakota
West	5 J	6-26N-5W	12-4-61	5023 MCF	6672 GL	3425	3273	Pictured Cliffs
EPNG Jicarilla "F"	11 J	16-26N-5W	5-15-61	2415 MCF	6629 GL	3222	3110	Pictured Cliffs
Jicarilla "F" 109	12 K	16-26N-5W	5-30-61	1274 MCF	6569 DF	3150	3038	Pictured Cliffs
Jicarilla "F" 109	13 E	16-26N-5W	5-20-61	2416 MCF	6625 DF	3250	3113	Pictured Cliffs
Jicarilla "F" 109	14 G	16-26N-5W	5-10-61	2094 MCF	6614 DF	3260	3128	Pictured Cliffs
Delhi-Taylor Jicarilla (Dual)	2 L	18-26N-5W	11-4-61	711 MCF 3166 MCF	6599	7588	5152 7266	Mesaverde Dakota
Pan Amer. Petr. Corp. Jicarilla Cont. 155	13 I	30-26N-5W	4-13-61	2295 MCF	6586 DF	7474	7100	Dakota
Jicarilla Cont. 155	16 E	30-26N-5W	9-24-61	3057 MCF	6681 GL	7390	7271	Dakota
Jicarilla GU "B"	1 G	31-26N-5W	5-29-61	1454 MCF	6417 DF	7229	3573	Chacra
(Dual)				952 MCF			6894	Dakota
Jicarilla Cont. 155	12 K	32-26N-5W	2-20-61	1519 MCF	6469	7250	6912	Dakota

COMPANY LEASE	WELL UNIT	S.T.R.	COMP. DATE	INIT, PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION	
Caulkins Oil Co. State "A" D. Reuther "D"	113 M	2-26N-6W	5-16-61	3531 MCF	6620 GL	7700	7350	Dakota	
	321 M	15-26N-6W	12-29-61	5591 MCF	6513 GL	7400	7158	Dakota	
Compass Expl. Lindrith Fed. (Dual)	1 E	3-26N-7W	6-24-61	2589 MCF	6583 GL	7410	6995	Gallup	
	1 H	10-26N-7W	10-16-61	4385 MCF	6588 GL	7485	7104	Dakota	
Consolidated Oil & Gas Candado (Dual)	1 M	14-26N-7W	9-4-61	970 MCF	6157 GL	6790	4428	Mesaverde	
				1212 MCF			6969	Dakota	
Kimball, Kay Lieberman	5 H	19-26N-7W	3-9-61	2139 MCF	5268 DF	6754	2154	Pictured Cliffs	
Consolidated Oil & Gas NCRA	1 H	22-26N-7W	2-23-61	1830 MCF	6176 DF	6820	6630	Dakota	
Turner, J. Glenn Quantius	1 A	26-26N-7W	12-28-61	2547 MCF	6560 DF	7500	2665	Pictured Cliffs	
Bayless, R. L. Betty	1 M	29-27N-1E	11-15-61	16 BO	7054 GL	1979		Gallup	
EPNG Jicarilla Apache SUJ 27-4	92-2 K	29-27N-3W	1-3-61	2396 MCF	7178 GL	8413	6110	Mesaverde	
	31 M	7-27N-4W	7-20-61	3994 MCF	6713 DF	5941	5305	Mesaverde	
	28 M	11-27N-4W	6-11-61	4096 MCF	6881 GL	6187	5098	Mesaverde	
	29 A	26-27N-4W	5-14-61	5039 MCF	7094 GL	6294	5084	Mesaverde	
	30 H	32-27N-4W	10-20-61	3462 MCF	7178 DF	8494	3158	Dakota	
Bayless, R. L. Onion Mtn. Onion Mtn.	1 K	6-27N-5E	10-14-61	D & A	8345 GL	1651			
	2 C	10-27N-5E	11-10-61	P & A	6950 GL	1200			
EPNG SUJ 27-5	60 H	4-27N-5W	10-7-61	4670 MCF	6543 DF	5745	5124	Mesaverde	
	61 D	5-27N-5W	6-11-61	1749 MCF	6653 DF	5819	5754	Mesaverde	
	SUJ 27-5 (Dual)	59 A	6-27N-5W	12-4-61	7054 MCF	6504 DF	7870	5092	Mesaverde
				4758 MCF			7500	Dakota	
	SUJ 27-5 (Dual)	63 H	8-27N-5W	11-7-61	5642 MCF	6589 DF	5750	3372	Pictured Cliffs
				2933 MCF			5054	Mesaverde	
	SUJ 27-5 (Dual)	64 H	9-27N-5W	10-21-61	2799 MCF	6736 DF	5937	3562	Pictured Cliffs
				3133 MCF			5298	Mesaverde	
	SUJ 27-5	65 D	17-27N-5W	7-26-61	4634 MCF	6594 DF	3464	3385	Pictured Cliffs
	SUJ 27-5	66 H	20-27N-5W	4-25-61	1298 MCF	6609 DF	3467	3352	Pictured Cliffs
	SUJ 27-5	66 M	27-27N-5W	6-3-61	3535 MCF	6485 DF	5565	5222	Mesaverde
	SUJ 27-5 (Dual)	67 B	31-27N-5W	8-30-61	1204 MCF	6412 GL	5550	3106	Pictured Cliffs
				3362 MCF			5296	Mesaverde	
	SUJ 27-5 (Dual)	68 A	33-27N-5W	8-17-61	1070 MCF	6523 DF	5599	3258	Pictured Cliffs
				1978 MCF			5350	Mesaverde	
	SUJ 28-6	103 K	7-27N-6W	9-6-61	3385 MCF	6568 DF	7736	7436	Dakota
	Rincon Unit	199 D	19-27N-6W	5-15-61	2716 MCF	6624 DF	7738	7592	Dakota
	Rincon Unit	158 N	22-27N-6W	10-2-61	3399 MCF	6525 DF	7673	7376	Dakota
	Rincon Unit	140 H	23-27N-6W	11-3-61	1567 MCF	6614 DF	3394	3259	Pictured Cliffs
	Rincon Unit	162 K	27-27N-6W	10-17-61	1043 MCF	6593 DF	3286	3168	Pictured Cliffs
	Rincon Unit	153 J	28-27N-6W	10-23-61	2114 MCF	6554 DF	3243	3143	Pictured Cliffs
	Rincon Unit	163 M	29-27N-6W	10-9-61	1348 MCF	6709 GL	3353	3188	Pictured Cliffs
	SUJ 28-7	126 M	1-27N-7W	10-28-61	3232 MCF	6180 DF	7330	7055	Dakota
SUJ 28-7	125 M	12-27N-7W	8-6-61	5028 MCF	6656 DF	7802	7512	Dakota	
SUJ 28-7	121 E	15-27N-7W	7-15-61	4025 MCF	6718 DF	3304	3187	Pictured Cliffs	
SUJ 28-7	122 E	18-27N-7W	7-20-61	1585 MCF	6550 DF	2992	2905	Pictured Cliffs	
SUJ 28-7	123 F	30-27N-7W	7-10-61	3898 MCF	6030 DF	2377	2272	Pictured Cliffs	
Bayless, R. L. Whigham	1 M	7-28N-1E	11-2-61	P & A	7191 DF	3370			
Tamayo Oil Co. El Paso Ranch "W"	11 N	11-28N-1E	1-26-61	10 BO	7230 GL	1451		Mancos	
EPNG Assoc. Jicarilla Tribal	1 M	27-28N-1E	10-2-61	P & A	7151 DF	7572			

COMPANY LEASE	WELL UNIT	S.T.R.	COMP. DATE	INITIAL PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
EPROC Assoc. Puerta Grande	1 D	27-28N-1E	9-30-61	P & A	7151 DF	1550		
Tamanaco Oil Corp. Pound Ranch "B"	27 B	27-28N-1E	8-27-61	TA	1702	1928		
Skelly Oil Co. Jicarilla "F"	1 M	11-28N-1W	10-17-61	97 BO	7346 GL	4255		Mancos
Socony Mobil Boulder-Apache 1	12 E	14-28N-1W	8-5-61	155 BO	7460 GL	4715	3995	Mancos
Boulder-Apache	23 K	14-28N-1W	9-30-61	160 BO	7290 GL	4300		Mancos
P-M Drilling Co. Bayless	1 A	15-28N-1W	1-24-61	88 BO	7417 GL	4429	4269	Gallup
Standard of Tex. Jic. Tr. 8 #1	15 G	15-28N-1W	11-2-61	TA	7378 GL	5600		
Socony Mobil Oil Co. Boulder-Apache	21 C	23-28N-1W	12-12-61	297 BO	7219 DF	3792		Mancos
Foutz & Bursum Bayless-Whigham	1 A	27-28N-1W	7-24-61	120 BO	7190 GL	5264		Mancos
Bayless-Whigham	2 H	27-28N-1W	11-17-61	76 BO	7230 GL	5360	4860	Mancos
EPNG								
SJU 28-4	27 N	19-28N-4W	9-20-61	3662 MCF	7335 DF	6662	6442	Mesaverde
SJU 28-5	48 M	22-28N-5W	6-30-61	2378 MCF	6764 GL	6015	5792	Mesaverde
SJU 28-5	49 H	23-28N-5W	9-1-61	2355 MCF	7471 DF	4799	6584	Mesaverde
SJU 28-5	43 N	25-28N-5W	4-29-61	3340 MCF	6815 GL	6065	5874	Mesaverde
SJU 28-5	50 M	28-28N-5W	3-21-61	2436 MCF	6577 DF	5780	5139	Mesaverde
SJU 28-5	51 A	31-28N-5W	8-11-61	3986 MCF	6417 DF	5580	5026	Mesaverde
SJU 28-5	52 C	33-28N-5W	4-2-61	2202 MCF	6601 GL	5814	5224	Mesaverde
SJU 28-5	53 G	35-28N-5W	4-16-61	1610 MCF	6662 GL	5929	5722	Mesaverde
SJU 28-6	100 N	13-28N-6W	11-28-61	5665 MCF	6454 GL	7868	7550	Dakota
SJU 28-7	114 N	22-28N-7W	8-4-61	1221 MCF	6802 DF	3546	3481	Pictured Cliffs
Astec Oil & Gas Boulder Lake	1 K	13-29N-1W	6-7-61	TA	7302 GL	3256		
Stinking Lake	1 M	35-29N-1W	8-4-61	P & A	7713 GL	5295		
EPNG								
SJU 29-5	17 A	5-29N-5W	9-9-61	2201 MCF	6439 DF	5808	5306	Mesaverde
SJU 29-5	50 J	7-29N-5W	8-10-61	P & A	6492 GL	14,423		
SJU 29-5	49 M	9-29N-5W	4-27-61	2716 MCF	6701 DF	6061	5827	Mesaverde
SJU 29-5	51 M	14-29N-5W	3-17-61	899 MCF	6759 DF	6138	5602	Mesaverde
SJU 29-5	23 H	16-29N-5W	4-13-61	2120 MCF	6709 GL	6050	5549	Mesaverde
SJU 29-6	66 K	9-29N-6W	3-27-61	2819 MCF	6771 DF	6010	5508	Mesaverde
SJU 29-6	31 M	10-29N-6W	4-18-61	1746 MCF	6559	5815	5292	Mesaverde
SJU 29-6	36 H	15-29N-6W	3-13-61	2370 MCF	6768 DF	6030	5502	Mesaverde
SJU 29-6	68 A	29-29N-6W	9-26-61	3911 MCF	6289 DF	5536	4986	Mesaverde
Kingwood Oil Co. Jicarilla	1 M	23-30N-1W	7-11-61	P & A	7823 GL	3573		
EPNG								
SJU 30-5	35 K	7-30N-5W	5-26-61	3003 MCF	6206 GL	5600	5310	Mesaverde
SJU 30-5	33 A	20-30N-5W	5-3-61	1342 MCF	6415 DF	5775	5614	Mesaverde
SJU 30-5	34 A	27-30N-5W	5-15-61	1992 MCF	6720 DF	6071	5804	Mesaverde
SJU 31-6	15 H	2-30N-6W	6-8-61	3829 MCF	6398 GL	5780	5698	Mesaverde
SJU 31-6	20 B	3-30N-6W	6-22-61	3206 MCF	6445 DF	5896	5618	Mesaverde
SJU 31-6	22 G	5-30N-6W	7-5-61	3508 MCF	6406 GL	5845	5569	Mesaverde
SJU 30-6	36 G	8-30N-6W	8-6-61	3094 MCF	6286 DF	5700	5400	Mesaverde
SJU 30-6	37 B	10-30N-6W	7-19-61	4072 MCF	6444 DF	5867	5520	Mesaverde
Pasternak, Irving Rosa	42 G	19-31N-4W	11-17-61	P & A	6630 GL	8241		
EPNG								
Rosa	41 K	5-31N-5W	8-24-61	3516 MCF	6337 DF	5804	5608	Mesaverde

COMPANY LEASE	WELL UNIT	S. T. R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
Blackwood & Nichols NE Blanco U	62 D	30-31E-5W	7-8-61	3140 MCF	6374 DF	5810	5238	Mesaverde
La Plata Gathering SJU 32-5	1 F	22-32N-6W	12-31-61	3737 MCF	5331 DF	8110	7040	Dakota
SJU 32-5 (Dual)	2 H	23-32N-6W	7-11-61	2473 MCF	5414 DF	8106	5604	Mesaverde
				1095 MCF			7942	Dakota
SJU 32-5	2 G	24-32N-6W	11-29-61	2153 MCF	6110 GL	8078	5432	Mesaverde
SJU 32-5	3 C	26-32N-6W	5-29-61	4639 MCF	6385 DF	8098	7890	Dakota
SJU 32-5	1 A	27-32N-6W	7-29-61	1234 MCF	151 DF	7895	7655	Dakota
<u>ROCKWELL COUNTY</u>								
Rearburg & Ingram Vincent	1 G	10-7E-32E	10-7-61	F & A	4477 DF	9458		
Tenn. Gas. Trans. Co. St. Sunray Mid-Cont.	1 M	16-7E-37E	2-12-61	F & A	4077 DF	8915		
Brown, H.L., Jr. & George Federal "A"	1 F	33-7E-37E	6-7-61	1350 MCF	4053 DF	8790	7994	Wolfcamp
Bond Oil Corp. Haley, A. R.	4 K	13-8E-34E	12-23-61	F 200 BO	4253 DF	4720	4950	San Andres
El Chorro Explora., Inc. Haley, A. R.	1 I	13-8E-34E	8-20-61	F 156 BO	4243 DF	4750	4524	San Andres
Haley, A. R.	3 O	13-8E-34E	11-16-61	F 72 BO	4252 DF	4720	4500	San Andres
Sunray Mid-Cont. Oil Co. N.M. "F" Federal	4 H	13-8E-34E	12-8-61	F 198 BO	4245 DF	4660	4552	San Andres
Bond Oil Corp. Jacobs Federal	4 K	18-8E-35E	12-8-61	F 77 BO	4234 DF	4720	4522	San Andres
El Chorro Explora., Inc. Hefliefinger	1 D	18-8E-35E	7-27-61	F 106 BO	4241 DF	4720	4525	San Andres
Jacobs Federal	2 M	18-8E-35E	12-1-61	F 192 BO	4236 DF	4720	4500	San Andres
Williamson, J. C. Mobil Federal	1 N	34-8E-35E	3-20-61	F & A	4191 DF	9796		
Hanagan & Vendetta, Inc. Mobil Federal	1 A	35-8E-35E	7-5-61	F & A	4164 DF	9800		
O'Neill, J. I., Jr. State "J"	1 O	36-8E-35E	12-12-61	F & A	4148 DF	9800		
Pan Amer. Pet. Corp. Michael Shearo Fed.	2 H	13-8E-36E	5-3-61	F & A	4072	9748		
Atlantic Rig. Co. State "AS"	1 M	16-8E-36E	7-7-61	F 429 BO	4120 DF	9743	9685	Pennsylvanian
Love Federal "A"	1 G	17-8E-36E	3-12-61	F & A	4125 DF	9803		
Costal St. Gas Prod. Co. Harral, H. L.	1 N	17-8E-36E	9-30-61	F 272 BO	4131 DF	9750	9716	Pennsylvanian
O'Neill, J. I., Jr. Federal "H"	1 I	17-8E-36E	12-26-61	F 261 BO	4124 DF	9698	9671	Pennsylvanian
Roden, Bill Federal Perry	1 O	17-8E-36E	2-18-61	F 240 BO		9704	9688	Pennsylvanian
Federal Silver	1 O	18-8E-36E	10-29-61	F & A	4146 DF	9761		
Cosden Pet. Corp. Federal "E"	1 K	20-8E-36E	2-16-61	F 116 BO		9812	9720	Pennsylvanian
Lone Star Prod. Co. Fed. N. M. "C"	1 A	20-8E-36E	2-4-61	F 443 BO	4124 DF	9695	9642	Pennsylvanian

COMPANY LEASE	WELL TYPE	S.T.R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
Lone Star Prod. Co. Federal N. M.	2 P	20-88-36E	6-2-61	F 235 BO	4114 DF	9750	9689	Pennsylvanian
McCoy & Stevens Hatch	1 F	20-88-36E	9-22-61	F 600 BO	4135 DF	9740	9696	Pennsylvanian
Cosden Pet. Corp. & Socony Mobil Oil Federal "C"	2 E	21-88-36E	3-3-61	F 268 BO	4117 DF	9700	9617	Pennsylvanian
Federal	F-1 D	21-88-36E	4-18-61	F 402 BO	4118 DF	9725	9662	Pennsylvanian
Lone Star Prod. Co. Fed. N. M. "B"	1 M	21-88-36E	1-4-61	F 431 BO	4117 DF	9769	9693	Pennsylvanian
Fed. N. M. "B"	2 K	21-88-36E	1-20-61	F 501 BO	4111 DF	9752	9681	Pennsylvanian
Cosden Pet. Corp. Federal "J"	1 K	23-88-36E	8-14-61	F 122 BO	4086 DF	9730	9698	Pennsylvanian
Brown, J. G. & Assoc. Bluilt Fed.	1 B	24-88-36E	2-10-61	F & A	4080 DF	9732		
Coastal States Gas Prod. Co. Shearn Federal	1 J	25-88-36E	12-2-61	F 550 BO		9661	9634	Pennsylvanian
Shell Oil Co. Shearn Federal	2 P	25-88-36E	8-25-61	F 200 BO	4059 DF	9750	9532	Pennsylvanian
Lone Star Prod. Co. Federal N. M. "B"	3 C	28-88-36E	2-25-61	F 283 BO	4112 DF	9758	9690	Pennsylvanian
BTA Oil Producers Allison	1 J	36-88-36E	10-23-61	F 205 BO		9664	9640	Pennsylvanian
Banray Mid-Cont. Oil Co. N. M. State "AA"	1 H	36-88-36E	6-29-61	F 424 BO	4066 DF	9740	9652	Pennsylvanian
N. M. State "AA"	2 E	36-88-36E	9-21-61	F 362 BO	4074 DF	9750	9651	Pennsylvanian
Brown & George Saunders, R.P. Est.	1 E	5-88-37E	9-20-61	F & A	4083 KB	9565		
Ohio Oil Co. Basham, Milton "B" etal	1 L	18-88-37E	1-8-61	F 189 BO	4068 DF	9600	9572	Pennsylvanian
Pico Drig. Co., etal Matthews	1 J	18-88-37E	6-24-61	F 186 BO	4057 DF	9501	9473	Pennsylvanian
Fasken, David King Davis Fed.	2 F	27-88-37E	11-1-61	F & A	4012 DF	9517		
King Davis Fed.	3 L	27-88-37E	1-9-61	F 493 BO	4024 DF	9536	9506	Pennsylvanian
King Davis Fed.	4 N	27-88-37E	3-23-61	F & A		9655		
Atlantic Rig. Co. Rutter Federal	1 L	28-88-37E	3-10-61	F 200 BO	4041 DF	9615	9524	Pennsylvanian
Boren, Sam Atlantic Federal	1 N	28-88-37E	10-31-61	F 212 BO	4038 DF	9600	9546	Pennsylvanian
King Davis Federal	1 J	28-88-37E	4-2-61	F 199 BO	4028 DF	9531	9488	Pennsylvanian
Ohio Oil Co. King Davis Federal	3 H	28-88-37E	2-14-61	178 BO	4028 DF	9513	9481	Pennsylvanian
Nearburg & Ingram Anderson Federal	3 J	29-88-37E	2-5-61	F 314 BO		9648	9558	Pennsylvanian
Anderson Federal	4 F	29-88-37E	3-25-61	F 266 BO	4051 DF	9660	4544	San Andres
Ohio Oil Co. Hayes, H. L., etal	2 F	29-88-37E	1-24-61	F 179 BO	4053 DF	9576	9542	Pennsylvanian
Hayes, H. L., etal	3 L	29-88-37E	3-5-61	F 197 BO	4054 DF	9599	9567	Pennsylvanian
Hayes, H. L., etal	4 N	29-88-37E	4-13-61	F 317 BO	4045 DF	9597	9565	Pennsylvanian
Coastal States Gas Prod. Co. Hayes Federal	3 N	30-88-37E	2-3-61	F 434 BO	4044 DF	9674	9608	Pennsylvanian

COMPANY LEASE	WELL IDENT	S.T.R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
Coastal States Gas Prod. Co. Hayes Federal	4 L	30-88-37E	6-20-61	F 470 BO	4054 DF	9690	9617	Pennsylvanian
Nearburg & Ingram Anderson Federal	5 J	31-88-37A	6-8-61	F 458 BO	4049 DF	9730	9621	Pennsylvanian
Anderson Federal	5 B	31-88-37E	5-3-61	F 788 BO		9720	9628	Pennsylvanian
Anderson Federal	7 I	31-88-37B	7-15-61	F 215 BO	4048 DF	9730	9600	Pennsylvanian
Anderson Federal	9 P	31-88-37B	12-1-61	F 173 BO	4048 DF	9741	9558	Pennsylvanian
Yates Drilg. Co. Lillie M. Yates Fed.	2 L	31-88-37E	2-1-61	F 230 BO	4057 DF	9705	9639	Pennsylvanian
Lillie M. Yates Fed.	3 K	31-88-37A	3-29-61	F 230 BO	4061 DF	9730	9640	Pennsylvanian
Lillie M. Yates Fed.	4 D	31-88-37E	5-28-61	F 275 BO	4050 DF	9719	9638	Pennsylvanian
Boren, Sam Atlantic State	1 B	32-88-37E	8-5-61	F 210 BO	4038 DF	9620	9561	Pennsylvanian
Atlantic State	2 H	32-88-37E	11-16-61	F 270 BO	4046 DF	9624	9580	Pennsylvanian
Ohio Oil Co. BFA State	1 D	32-88-37E	3-28-61	F 314 BO	4047 DF	9628	9583	Pennsylvanian
BFA State	2 F	32-88-37E	8-8-61	F 375 BO	4043 DF	9614	9580	Pennsylvanian
BP State	3 L	32-88-37E	10-3-61	F 2 8	4049 DF	9647		
Boren, Sam King David Fed.	2 B	33-88-37E	9-23-61	F 228 BO		9620	9566	Pennsylvanian
Yates, S. F. Lillie M. Ya. Fed.	1 D	33-88-37E	8-29-61	F 400 BO	4031 DF	9650	9570	Pennsylvanian
Carper Drilg. Co., Inc. Carp. Blufft "A" Fed.	1 O	34-88-37E	7-12-61	F & A	4010 DF	9611		
Paeken, David Green, B. M.	1 L	30-88-38E	9-23-61	F 3009 BO	3995 DF	9470	9415	Pennsylvanian
Green, B. M.	2 J	30-88-38E	7-6-61	F & A	3992	9520		
Hughes Lopez Fed.	1 G	31-88-38E	9-16-61	F & A	3982 DF	9601		
<u>SANDOVAL COUNTY</u>								
Senutwitch, George "J S"	1 D	3-18N-3W	11-20-61	TA	6004 DF	920		
Shell Oil Co. Wright	41 A	26-17N-3W	12-14-61	F & A	6327	6952		
Holmes, W. W. Young-Federal	1 F	3-18N-3W	4-30-61	F & A	6683 GL	1355		
Anderson-Beart	1 I	10-18N-3W	6-21-61	F & A	6715 GL	1435		
Spencer-Federal	1 H	10-18N-3W	4-25-61	F & A	6696 GL	1425		
Spencer-Federal	2 G	10-18N-3W	5-28-61	F & A	6741 GL	1503		
Spencer-Federal	9 E	11-18N-3W	5-8-61	TA	6708 GL	1145		
Spencer, W. W. Spencer-Federal	5 C	11-18N-3W	7-11-61	F & A	6775 GL	1490		
Holmes, W. W. Spencer-Federal	6 P	11-18N-3W	5-22-61	F & A	6714 GL	1400		
Spencer-Federal	8 D	11-18N-3W	5-18-61	F & A	6749 GL	1447		
Spencer-Federal	9 E	11-18N-3W	6-26-61	F & A	6701 GL	1490		
Spencer-Federal	11 B	11-18N-3W	7-5-61	F & A	6709 GL	1420		
Holmes-Federal	1 I	14-18N-3W	4-14-61	F & A	6660 GL	1250		
Harvey-Federal	1 B	15-18N-3W	6-19-61	F & A	6682 GL	1505		
Hughes & Rollins Rollins	1 H	20-18N-3W	11-28-61	D & A	6616 DF	1392		
Harvey, Francis L. Gartner-Ward	5 G	21-18N-3W	2-4-61	5 BO	6785 DF	1379		Mesaverde
Harvey	3 L	21-18N-3W	2-13-61	12 BO	6838 DF	1000	658	Mesaverde
Harvey	2 J	21-18N-3W	1-19-61	19 BO	6885 DF	1195	615	Mesaverde

COMPANY LEASE	WELL UNIT	S.T.R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
King, Myron T. King	1 N	21-18N-3W	10-9-61	2 BO	6650 GL	926		Mesaverde
Rollins & Dodgen Rollins-Dodgen	1 E	21-18N-3W	12-13-61	P & A	6684 DF	1305		
Holmes, W. W. Holmes "A"	1 A	28-18N-3W	3-29-61	P & A	6613 GL	1272		
Hughes, Levi A. Hughes-Collins	1 J	33-18N-3W	10-21-61	P & A	6540 GL	1091		
Atlantic Refg. Co. Torreon	2 G	3-19N-3W	5-16-61	P & A	6360 GL	3571		
	1 K	27-20N-3W	5-15-61	P & A	6799 GL	4024		
Furr, Roy Sun-Federal	1 F	14-21N-4W	6-15-61	P & A	7134 DF	5415		
Bonanza Oil Corp. Jicarilla	1 D	2-22N-3W	5-7-61	P & A	7203 GL	7327		
Exeter Drilg. Co. Jicarilla Apache	1 D	28-22N-4W	7-7-61	P & A	6097 DF	6398		
EFNG Jicarilla 183	2 M	27-23N-3W	9-20-61	1515 MCF	7382 DF	3007	2970	Pictured Cliffs
Jicarilla Cont.183	3 D	27-23N-3W	10-13-61	F 1020 MCF	7382 DF	3060	2970	Pictured Cliffs
Jicarilla Cont.183	1 F	28-23N-3W	7-5-61	2424 MCF	7396 GL	3110	3002	Pictured Cliffs
Rubco Petr. Corp. Jicarilla 5	11 K	23-23N-5W	7-11-61	P & A	6781	6622		
<u>SAN JUAN COUNTY</u>								
So. Union Prod. Pierce "A"	2 A	34-23N-10W	12-14-61	4032 MCF	5549 GL	6480	6238	Dakota
Ake, Marvin Ake	1 I	11-24N-8W	11-1-61	P 43 BO	7183 GL	6126	5852	Gallup
Dorfman Prod. Co. Nancy Federal	1 P	12-24N-8W	2-23-61	P 213 BO	7255 DF	6205	6104	Gallup
Nancy Federal	2 O	12-24N-8W	12-6-61	202 BO	7202	6148	6056	Gallup
Nancy Federal	3 N	12-24N-8W	12-22-61	P & A	7215 DF	6173		
Exeter Drilg. Co. Escrito	1 D	20-24N-8W	9-17-61	P & A	6813 DF	5400		
Lenn & Malstico Government	1 A	34-24N-8W	9-16-61	8 BO	6816 GL	6535	6214	Gallup
Jackson, P. R. Federal	1 E	15-24N-9W	6-21-61	46 BO	6821 GL	5475	5374	Gallup
Federal	2 J	15-24N-9W	7-20-61	P & A	6726 GL	5340		
Century Explr. Century Blanco	1 M	20-25N-9W	4-28-61	1996 MCF	6662 GL	6500	6380	Dakota
Rudman, M. B. Santa Fe	1 O	21-25N-9W	12-26-61	2552 MCF	6583 GL	6572	6366	Dakota
Wilshire Oil Co. of Tex. Mobil Fed. Rudman	2 N	21-25N-9W	9-3-61	2737 MCF	6602 GL	6490	6352	Dakota
Century Explr. Rudman Federal	1 D	27-25N-9W	3-19-61	1119 MCF	6542 GL	6283		Dakota
Trigg, John H. Federal H. U.	1 A	3-25N-10W	8-6-61	36 BO	6796 DF	6752	6989	Gallup



COMPANY LEASE	WELL UNIT	S. T. R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
Shell Oil Co.								
Water Well	9 J	18-25N-11W	7-9-61	Inj.	6310 GL	3849		
Water Well	4 C	20-25N-11W	7-1-61	Inj.	6402 GL	3850		
Sears, M. F.								
Navajo	1 C	27-25N-11W	1-7-61	22 BO	5571 GL	5180	4969	Gallup
Shell Oil								
Bisti	W-1 B	24-25N-12W	1-20-61	Inj.	6130 GL	3825		
Southwest Prod.								
Bond Federal (Dual)	1 N	13-26N-8W	5-29-61	1377 MCF 2700 MCF	6267 GL	6665	2136 6561	Pictured Cliffs Dakota
Bond Federal (Dual)	2 D	13-26N-8W	10-25-61	605 MCF 1862 MCF	6259 GL	6740	2202 6608	Pictured Cliffs Dakota
Consolidated Oil & Gas								
Consol. Hale (Dual)	2 C	15-26N-8W	5-19-61	150 MCF 2200 MCF	7060 GL	7436	5201 7228	Mesaverde Dakota
Magellan Co.								
Nickson	1 N	35-26N-8W	7-13-61	1528 MCF	7018 GL	2850	2734	Pictured Cliffs
Nickson	2 N	35-26N-8W	7-21-61	1025 MCF	6970 DF	2805	2502	Pictured Cliffs
Nickson	3 F	35-26N-8W	7-29-61	1541 MCF	7032 DF	2840	2744	Pictured Cliffs
Nickson	4 G	35-26N-8W	8-6-61	P & A	7022 DF	2873		
EPNG								
Huerfano Unit	126 F	5-26N-9W	7-30-61	3465 MCF	6449 DF	6813	6586	Dakota
Turner, J. Glenn								
Ballard	13 B	14-26N-9W	11-23-61	4732 MCF	6325 DF	6770	6420	Dakota
Ballard	14 L	14-26N-9W	12-20-61	6833 MCF	6336 DF	6723	6398	Dakota
Ballard (Dual)	11 D	15-26N-9W	10-20-61	25 BO	6314 DF	6800	5728	Gallup
Ballard	12 J	15-26N-9W	11-12-61	2129 MCF 7258 MCF	6323 DF	6748	6412 6376	Dakota Dakota
Astec O & G								
Reid	23 L	17-26N-9W	7-31-61	3241 MCF	6020 GL	6669	6488	Dakota
EPNG								
Huerfano	125 B	30-26N-9W	1-21-61	5883 MCF	6570 DF	6780	6524	Dakota
Huerfano Unit	117 F	16-26N-10W	1-16-61	1731 MCF	6582 DF	6787	6622	Dakota
Huerfano Unit	1-27 B	26-26N-10W	6-30-61	P & A	6698 DF	6898		
Huerfano Unit	121 F	27-26N-10W	2-7-61	9487 MCF	6665 DF	6803	6636	Dakota
Southwest Prod. Co.								
Henderson Federal	1 A	5-26N-11W	6-22-61	3273 MCF	6234 GL	6401	6273	Dakota
Man Federal	1 J	5-26N-11W	10-28-61	3826 MCF	6235 GL	6359	6240	Dakota
EPNG								
Western P U 'B'	2 H	8-26N-11W	5-10-61	5837 MCF	6177 DF	6278	6080	Dakota
Delhi-Taylor	5 K	17-26N-11W	4-24-61	7318 MCF	6162 DF	6190	5990	Dakota
Western Pool Ut. "D"	1 M	18-26N-11W	5-29-61	TA	6106 DF	6190		
Western Pool Ut. "C"	1 N	20-26N-11W	4-10-61	7851 MCF	6169 DF	6235	6006	Dakota
Gulf Oil Corp.								
Blackrock Fed. "D"	1 C	20-26N-11W	5-25-61	7416 MCF	4158 DF	6131	5946	Dakota
Southwest Prod. Co.								
Harker Navajo	1 A	23-26N-11W	7-6-61	2649 MCF	6332 GL	6340	6224	Dakota
Jenneco Corp.								
Caldwell GU "A"	1 J	27-26N-11W	12-12-61	2255 MCF	5284 GL	6200	6024	Dakota
Standard of Tex.								
Navajo	2 B	1-26N-15W	11-22-61	P & A	5879 GL	4900		
Pure Oil Co.								
Navajo Tr. 27	1 H	32-26N-15W	9-19-61	P & A	5546 GL	10,420		
EPROC Associates								
Tocito Dome	1 E	9-26N-18W	11-5-61	P & A	5720 DF	800		

## Contents

	<b><u>Page</u></b>
ABSTRACT .....	1
INTRODUCTION.....	<b>2</b>
Production summary.....	4
Reserves .....	5
Drilling summary .....	9
SUBSURFACE COMPLETION DATA .....	10
Chaves County .....	11
Curry County .....	12
DeBaca County .....	12
Eddy County .....	25
Lea County .....	<b>42</b>
McKinley County .....	<b>43</b>
Mora County .....	43
Otero County .....	43
Rio Arriba County .....	49
Roosevelt County .....	51
Sandoval County .....	52
San Juan County .....	67
Santa Fe County .....	68
Torrance County .....	68
Union County .....	68

## Illustrations

### TABLES

1. Oil and gas production by county, area, and state, 1961 .....	4
2. Drilling statistics, New Mexico, 1961 .....	6
3. Development statistics, New Mexico, 1961.....	8
4. Exploratory statistics, New Mexico, 1961 .....	8

### FIGURE

1. County index map of New Mexico, showing producing counties . .	3
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## Abstract

Petroleum, the most important mineral industry in New Mexico, provided almost 65-1/2 per cent of the total value of all minerals produced in the state during 1961. The 1961 production of crude oil and distillate amounted to 112,553,401 barrels, an increase of more than 5 million barrels over 1960. Natural gas production amounted to 786,594,983,000 cubic feet, a decrease of more than 35 billion cubic feet over 1960. New Mexico ranks sixth in the production of crude oil and fourth in the production of natural gas in the United States.

A total of 1912 wells was drilled during the year, an increase of 114 tests over the total for 1960. The total footage drilled in the state increased from 9,129,674 in 1960 to 9,490,529 in 1961. Average depth per well dropped from 5078 feet in 1960 to 4964 feet in 1961.

The wells completed in New Mexico during 1961 are listed 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 1961, the value of crude oil, natural gas, and natural gas liquids produced made up almost 65-1/2 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 1961, 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. potash, 14 per cent
3. natural gas, 12-1/2 per cent
4. uranium, 9 per cent
5. copper, 7 per cent
6. natural gas liquids, 6 per cent
7. sand and gravel, 1-1/2 per cent
8. all others, 3 per cent

The first section summarizes production and drilling statistics for New Mexico during 1961. 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 1961 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 NE 1/4 NE 1/4 location, "B" the NW 1/4 NE 1/4 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

PRODUCTION SUMMARY

Crude oil and distillate production in New Mexico during 1961 amounted to 112,553,401 barrels, an increase of 5,188,253 barrels over 1960. New Mexico moved up one notch and is now sixth in the production of crude oil in the United States behind Texas, Louisiana, California, Oklahoma, and Wyoming. Four per cent of the total amount of oil produced in the United States comes from New Mexico.

Lea County, although accounting for 65 per cent of the state total (table 1), continued to show a decline in oil production from the record high of 81,405,720 barrels established in 1957. Lea County production during 1961 amounted to 74,093,103 barrels, a decrease of 2,106,707 from the 76,199,810 barrels produced in 1960. All other producing counties recorded production increases in 1961. The largest gain in production, 2,803,854 barrels, occurred in Eddy County, followed closely by an increase of 2,675,058 barrels in Roosevelt County.

Natural gas production in 1961 totaled 786,594,983,000 cubic feet, a decrease of 35,319,633,000 cubic feet from the amount produced in 1960. New Mexico ranks fourth in the production of natural gas in the United States behind Texas, Louisiana, and Oklahoma. New Mexico provides 5 per cent of the nation's total gas production.

COMPANY LEASE	WELL UNIT	S.T.R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
EPNG								
Schwerdtfeger "A"	17 A	6-27N-8W	5-11-61	P & A	5485 DF	7256		
Schwerdtfeger "A"	20 G	6-27N-8W	12-8-61	2191 MCF		7457	7265	Dakota
R & G Drgl. Co. Graham	48 L	10-27N-8W	6-5-61	2750 MCF	5885 DF	6650	6477	Dakota
Aztec Oil & Gas Co. Hanks "D" (Dual)	16 K	6-27N-9W	5-10-61	1433 MCF 3138 MCF	5575 GL	7192	2572 7004	Pictured Cliff Dakota
Hanks "D"	15 B	8-27N-9W	8-30-61	3609 MCF	6143 GL	6756	6546	Dakota
Whitley "D"	5 G	8-27N-9W	6-6-61	2469 MCF	6303 GL	6910	6656	Dakota
Whitley "D"	6 N	8-27N-9W	7-2-61	2538 MCF	6339 GL	6966	6774	Dakota
Whitley "D"	7 K	9-27N-9W	8-1-61	1902 MCF	6197 GL	6810	6619	Dakota
Tenneco Corp. Riddle Dsk. Gas U. (Dual)	1 A	9-27N-9W	4-29-61	1450 MCF 1632 MCF	6331 GL	7014	4654 6810	Mesaverde Dakota
Shelly Oil Co. Wellis Platero Marshall "A"	5 N 5 A	11-27N-9W 14-27N-9W	5-17-61 5-7-61	2768 MCF 3679 MCF	6011 GL 6053	4505 4500	4310 4327	Mesaverde Mesaverde
Aztec Oil & Gas Co. Hudson, A. D. "D" Hudson, A. D. "D"	4 J 5 C	29-27N-9W 29-27N-9W	7-27-61 7-4-61	2406 MCF 1335 MCF	6410 GL 6357 GL	6890 6850	6614 6581	Dakota Dakota
Pan American Petr. Hargrave Gas Unit	1 M	4-27N-10W	2-17-61	3370 MCF	5993 GL	6565	6389	Dakota
Aztec Oil & Gas Hanks "D"	14 M	12-27N-10W	8-18-61	4729 MCF	6070 GL	6616	6322	Dakota
Frontier Refg. Co. Gov't Evensen "G"	3 G	19-27N-10W	6-9-61	1250 MCF	5901 GL	5577	5326	Gallup
EPNG								
Frost	9 P	25-27N-10W	6-24-61	2267 MCF	6514 GL	7002	6718	Dakota
Pan Amer. Petr. Pipkin, E. H. Pipkin, E. H. Pipkin, E. H.	8 N 8-K N 10 B	1-27N-11W 1-27N-11W 1-27N-11W	1-7-61 1-19-61 3-21-61	P & A 1913 MCF 4295 MCF		2992 6270 6452		Dakota Dakota
Aztec Oil & Gas Co. Santa Fe "G"	2 M	5-27N-11W	6-13-61	49 BO	6105 DF	5926	5612	Gallup
Frontier Refg. Co. Aztec Ut. "A"	1 D	8-27N-11W	3-11-61	1930 MCF	6124 DF	6606	6453	Dakota
Pan Amer. Petr. Corp. Pipkin, E. H. Pipkin, E. M.	11 M 12 G	12-27N-11W 12-27N-11W	4-9-61 5-10-61	1304 MCF 2038 MCF	6011 DF 5880 GL	6440 6356	6311 6214	Dakota Dakota
British-American Gov't Pullerton Gov't Pullerton	9 M 8 D	13-27N-11W 14-27N-11W	3-30-61 3-5-61	D & A 12 BO	6060 KB 6187 DF	6520 6670	5824	Gallup
Southwest Production Hancock Federal	2 M	14-27N-11W	11-25-61	4849 MCF	6248 GL	6678	6527	Dakota
Frontier Refg. Co. Schwerdtfeger "D"	2 L	21-27N-11W	1-17-61	5020 MCF	6270 GL	6566	6437	Dakota
Southwest Production Hancock Federal	1 K	22-27N-11W	9-4-61	4147 MCF	6364 GL	6707	6579	Dakota
British American Scott	9 E	23-27N-11W	7-24-61	2913 MCF	6300 DF	6774	6573	Dakota

COMPANY LEASE	WELL UNIT	S.T.R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	GR PAY	PRODUCING FORMATION
Southwest Production Hancock Federal	3 A	24-27N-11W	12-9-61	3923 MCF	6114 GL	6545	9316	Dakota
British American Scott Federal Douthit "C"	10 P	25-27N-11W	11-1-61	638 MCF	6121 GL	1875	1095	Fractured (L.I.P.)
Douthit "C"	3 D	25-27N-11W	4-2-61	1545 MCF	6421 DF	6750	5585	Dakota
	2 L	27-27N-11W	3-17-61	3192 MCF	6330 DF	6688	5497	Dakota
Southwest Production Douthit Federal	1 C	27-27N-11W	9-17-61	3446 MCF	6370 GL	6675	6550	Dakota
Frontier Refg. Co. Aztec Unit "B"	1-D L	28-27N-11W	2-23-61	5020 MCF	6454 DF	6576	6457	Dakota
Bolack "D"	4 W	28-27N-11W	1-31-61	2190 MCF	6340 DF	6658	6447	Dakota
Southwest Prod. Co. Mudge Federal	2 D	29-27N-11W	4-20-61	6822 MCF	6254 GL	6519	6427	Dakota
Mudge Federal	3 K	29-27N-11W	5-4-61	6659 MCF	6185 DF	6440	6355	Dakota
Mudge Federal	1 A	30-27N-11W	3-22-61	4633 MCF	6180 GL	6491	6334	Dakota
Oneda Federal	1 K	30-27N-11W	8-1-61	4613 MCF	6143 GL	6355	6264	Dakota
Holloway Fed. "B"	1 A	31-27N-11W	11-10-61	3780 MCF	6105 GL	6325	6234	Dakota
Mudge Federal	5 B	32-27N-11W	7-20-61	4412 MCF	6180 GL	6410	6316	Dakota
Sibyl Federal	1 C	32-27N-11W	10-14-61	5502 MCF	6133 GL	6340	6264	Dakota
Mudge Federal	4 D	33-27N-11W	5-28-61	4327 MCF	6219 GL	6465	6350	Dakota
Mudge Federal	5 O	33-27N-11W	6-10-61	2596 MCF	6206 GL	6430	6295	Dakota
British American Fed. Douthit "U"	1 M	34-27N-11W	2-13-61		6310 DF	6570	6360	Dakota
Southwest Production Douthit Federal	2 J	34-27N-11W	9-30-61	3525 MCF	6297 GL	6525	6404	Dakota
Pen. American Petr. Corp. Gallegos Canyon U	69 C	6-27N-12W	5-22-61	7025 MCF	5779 DF	6124	5967	Dakota
Southwest Production Edgar Federal	6 M	11-27N-12W	1-9-61	4534 MCF	5970 GL	6210	6136	Dakota
Edgar Federal	7 P	12-27N-12W	3-24-61	2317 MCF	5665 GL	6435	6285	Dakota
Jenkins Federal	1 I	13-27N-12W	5-16-61	2370 MCF	5995 GL	6478	6328	Dakota
Compass Explr. Warren	1 A	19-27N-12W	2-4-61	P & A	5755 DF	6054		
Tenneco Corp. Watson, H. O. "B"	1 A	21-27N-12W	7-13-61	3737 MCF	5822 GL	6052	5864	Dakota
Watson, H. O.	1 G	22-27N-12W	4-6-61	3285 MCF	5853 GL	6100	5922	Dakota
Watson, H. O.	2 B	22-27N-12W	11-10-61	1938 MCF	5828 GL	6040	5941	Dakota
Southwest Production Campbell Federal	4 K	25-27N-12W	2-25-61		6001 GL	6207	6062	Dakota
Campbell Federal	2 A	26-27N-12W	1-25-61	6233 MCF	5949 GL	6165	6046	Dakota
Campbell Federal	3 K	26-27N-12W	2-10-61	2638 MCF	5902 GL	6050	5896	Dakota
Campbell Federal	5 A	27-27N-12W	8-14-61	2432 MCF	5864 GL	6040	5948	Dakota
Royal Devel. Royal Devel.	6 D	6-27N-13W	11-10-61	TA		101		
Hudson, W. H. Fairfield	1 A	14-27N-13W	4-27-61	11656 MCF	5956 DF	6145	6001	Dakota
Sunray Mid-Cont. MM Federal "J"	2 P	23-27N-13W	8-30-61	P & A	5950 GL	6126		
Gulf Oil Gulf Raven Ojo Navajo	1 L	4-27N-14W	9-24-61	P & A	5782 GL	5870		
Standard Oil of Tex. Navajo	1 D	9-27N-15W	2-20-61	P & A	5494 DF	4720		
Humble Oil & Refg. Navajo Tr. 16	1 B	9-27N-16W	12-7-61	P & A	5273 GL	4737		

COMPANY LEASE	WELL UNIT	S.T.H.	COMP. DATE	INIT. PRCD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
Continental Oil Co.								
Table Mesa 3	18 F	3-27N-17W	5-10-61	333 BO	5360 DF	7114	7097	Paradox
Table Mesa	19 N	3-27N-17W	5-3-61	3 BO	5309 DF	1362	1325	Dakota
Table Mesa	20 B	3-27N-17W	5-6-61	36 BO	5335 DF	1372		Dakota
EPNG								
Flourance "C"	10 H	30-28N-9W	9-17-61	1431 MCF	5936 GL	6839	5616	Dakota
Aztec Oil & Gas Co.								
Heid "D"	22 N	7-28N-9W	6-16-61	5337 MCF	5833 GL	6762	6475	Dakota
Heid "D"	23 L	17-28N-9W	7-9-61	3241 MCF	5828 GL	6669	6488	Dakota
EPNG								
Lackey "B"	16 B	20-28N-9W	7-22-61	3219 MCF	5922 DF	6756	6553	Dakota
Lackey "B"	17 G	21-28N-9W	9-24-61	2289 MCF	6999 DF	7860	7620	Dakota
Hancock "B"	4 C	22-28N-9W	8-11-61	1785 MCF	6041 DF	2387	2306	Pictured Cliffs
Storey "C"	14 B	22-28N-9W	6-12-61	4175 MCF	6158 DF	7058	6816	Dakota
Lackey "B"	15 B	29-28N-9W	6-2-61	P & A	5972 DF	6740		
Lackey "B"	14 A	30-28N-9W	4-21-61	4832 MCF	5945 DF	6688	6454	Dakota
Michener "A"	6 H	31-28N-9W	6-20-61	4266 MCF	6059 DF	6735	6500	Dakota
Dum	6 D	32-28N-9W	8-18-61	7163 MCF	6029 DF	6710	6454	Dakota
Michener "A"	8 B	33-28N-9W	10-26-61	P & A	6849 DF	7574		
Storey "C"	12 C	34-28N-9W	8-17-61	3728 MCF	6222 DF		2350	Pictured Cliffs
Hancock "A"	3 G	35-28N-9W	4-19-61	2973 MCF	5984 DF	2293	2125	Pictured Cliffs
Skelly Oil Co.								
Mexico Federal "M"	1 M	9-28N-10W	12-14-61	5511 MCF	5693 GL	6493	6243	Dakota
Southern Union Prod.								
Zachry	18 D	11-28N-10W	12-26-61	5659 MCF	5640 GL	6485	6230	Dakota
Zachry	19 N	12-28N-10W	12-20-61	4175 MCF	5847 GL	6708	6460	Dakota
Aztec Oil & Gas Co.								
Cain "D"	12 A	16-28N-10W	6-14-61	7828 MCF	5869 GL	6660	6410	Dakota
Cain	13 D	16-28N-10W	2-28-61	2314 MCF	5746 GL	1965		Pictured Cliffs
Cain	14 M	16-28N-10W	3-5-61	899 MCF	5826 GL	2001	1910	Pictured Cliffs
Hubbell Gas U. "A"	1 B	29-28N-10W	12-17-61	7422 MCF	5100 GL	6700	6509	Dakota
Newman "C"	1 B	30-28N-10W	12-1-61	6077 MCF	5950 GL	6570	6308	Dakota
Redfern & Hard								
Lucern	1 M	8-28N-11W	2-16-61	6055 MCF	5516 GL	6250	6013	Dakota
Pioneer Prod.								
Redfern	5 H	10-28N-11W	6-27-61	3780 MCF	5448 GL	6230	6044	Dakota
Aztec Oil & Gas Co.								
Aztec	8 D	14-28N-11W	5-19-61	6054 MCF	5519 GL	6260	6052	Dakota
Hughes "D"	2 C	23-28N-11W	2-10-61	7334 MCF	5712 GL	6400	6154	Dakota
Pan American Petr. Corp.								
Gallegos Canyon U.	95 K	31-28N-11W	4-24-61	2148 MCF	6047 DF	6580	6505	Dakota
Pipkin	7 H	35-28N-11W	1-5-61	7790 MCF	5797 GL	6380	6256	Dakota
Pipkin, E. H.	9 N	35-28N-11W	2-14-61	6224 MCF	5915 GL	6475	6356	Dakota
Aspen Crude Pur. Co.								
Federal	1 B	7-28N-13W	4-17-61	180 BO	5971 DF	5714	5579	Gallup
Federal	2 J	7-28N-13W	6-21-61	268 BO	5938 DF	5671	5530	Gallup
Federal	3 W	7-28N-13W	10-27-61	87 BO	5911 GL	5600	5518	Gallup
Pan American Petr.								
Holder, C. J.	11 L	8-28N-13W	4-28-61	219 BO	5996 DF	5763	5672	Gallup
Holder, C. J.	6 W	9-28N-13W	2-23-61	200 BO	6018 GL	5837	5691	Gallup
Holder, C. J.	9 D	9-28N-13W	5-24-61	209 BO	5993 DF	5810	5716	Gallup
Holder, C. J.	12 L	9-28N-13W	5-10-61	212 BO	5942 GL	5770	5605	Gallup
Aspen Crude Pur.								
Federal	1 I	11-28N-13W	7-22-61	326 BO	5891 DF	5806	5702	Gallup
Federal (Dual)	2 O	11-28N-13W	10-9-61	397 BO 1160 MCF	5925 GL	6443	5711 6266	Gallup Dakota

COMPANY LEASE	WELL UNIT	S.T.H.	INIT. COMP. DATE	PROD. TEST	ELEV. ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
Pan American Petr. Gallegos, C. U.	100 C	12-28N-13W	7-28-61	249 BO	5599 GL	5555	5428	Gallup
Gallegos, C. U.	105 F	12-28N-13W	9-1-61	98 BO	5688 DF	5642	5519	Gallup
Gallegos, C. U.	101 M	13-28N-13W	10-27-61	77 BO	5737 GL	5648	5547	Gallup
Royal Development Royal Development	31 H	13-28N-13W	11-10-61	TA		102		
Pan American Petr. Gallegos, C. U.	113 M	14-28N-13W	9-28-61	62 BO	6037 GL	5865	5712	Gallup
Astec Oil & Gas Robinson "G"	9 D	15-28N-13W	2-19-61	203 BO	6089 GL	5861	5760	Gallup
Benson-Montin-Greer Jones	7 E	15-28N-13W	12-1-61	48 BO	6050 GL	5900	5742	Gallup
Pan American Petr. State Holder Oil Ut.	1 J	16-28N-13W	2-7-61	207 BO	6083 GL	5864	5726	Gallup
Holder, C. J.	4 D	16-28N-13W	1-12-61	192 BO	6070 DF	5875	5707	Gallup
Holder, C. J.	5 B	16-28N-13W	1-16-61	184 BO	6046 GL	5870	5726	Gallup
Holder, C. J.	7 F	16-28N-13W	3-30-61	205 BO	6080 GL	5886	5723	Gallup
Holder, C. J.	8 H	16-28N-13W	4-9-61	170 BO	6078 DF	5890	5740	Gallup
Holder, C. J.	10 P	16-28N-13W	4-14-61	237 BO	6067 GL	5840	5691	Gallup
Holder, C. J.	14 N	16-28N-13W	6-5-61	120 BO	6074 DF	5840	5686	Gallup
Holder, C. J.	15 B	21-28N-13W	6-23-61	66 BO	6054 DF	5802	5683	Gallup
Astec Oil & Gas Robinson "E"	4 D	22-28N-13W	1-4-61	465 MCF	6048 GL	6500	5273	Dakota
Robinson "G"	8 B	22-28N-13W	2-6-61	373 BO	6115 GL	5865	5758	Gallup
Robinson "G"	10 H	22-28N-13W	3-5-61	88 BO	6125 GL	5856	5764	Gallup
Robinson "G"	11 F	22-28N-13W	3-19-61	126 BO	6061 GL	5802	5733	Gallup
Pan American Petr. Gallegos Canyon Ut.	97 D	23-28N-13W	7-25-61	238 BO	6083 DF	5887	5726	Gallup
Gallegos Canyon Ut.	103 F	23-28N-13W	8-19-61	547 BO	6064 GL	5885	5721	Gallup
Gallegos Canyon Ut.	104 L	23-28N-13W	9-5-61	104 BO	6114 GL	5900	5754	Gallup
Gallegos Canyon Ut.	112 I	23-28N-13W	10-13-61	752 BO	5857	5699	5519	Gallup
Gallegos Canyon Ut.	115 B	23-28N-13W	11-10-61	310 BO	6003 DF	5850	5676	Gallup
Gallegos Canyon Ut.	116 K	24-28N-13W	11-23-61	200 BO	5751 DF	5596	5435	Gallup
Kern Co. Land Co. Douthitt Federal	1 J	33-28N-13W	4-11-61	P & A	5948 DF	6152		
Pan American Petr. Gallegos Canyon U.	90 M	35-28N-13W	5-24-61	2561 MCF	6079 DF	6450	6283	Dakota
Exploration Drig. Navajo	1 A	23-28N-14W	12-13-61	P & A	5766 DF	6005		
Socony Mobil Gjo Navajo	1 F	27-28N-14W	5-9-61	P & A	5721 GL	5886		
Exploration Drig. Navajo	1 D	26-28N-15W	11-9-61	2660 MCF	5563 DF	4600	4524	Gallup
Union Oil of Calif. Navajo Tribal LL	1 F	27-28N-16W	9-3-61	P & A	5118 GL	3956		
Continental Oil Co. Table Mesa	22 N	34-28N-17W	11-17-61	68 BO	5348 DF	1412	1410	Dakota
Table Mesa	23 O	34-28N-17W	11-25-61	33 BO	5336 DF	1402	1394	Dakota
BPNG Sunray	3 E	5-29N-8W	8-25-61	1498 MCF	6220 DF	2992	2902	Pictured Cliffs
Pan American Petr. Lobato Gas Ut. "C"	1 H	3-29N-9W	7-9-61	4595 MCF	5621 DF	2365	2266	Pictured Cliffs
Lobato Gas Ut. "D"	1 D	3-29N-9W	12-11-61	2138 MCF	5602 GL	2323	2243	Pictured Cliffs
Annie Elliott "A"	2 D	11-29N-9W	11-6-61	1065 MCF	6273 DF	3027	2892	Pictured Cliffs



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COMPANY LEASE	WELL UNIT	S. T. R.	COMP. DATE	INTL. PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
Aster Oil & Gas Co.								
Cain "D"	16 M	30-29N-9W	8-26-61	3294 MCF	5657 GL	6585	6374	Dakota
Cain "D"	15 M	31-29N-9W	8-4-61	6280 MCF	5746 GL	6670	6435	Dakota
Cain	17 E	31-29N-9W	11-1-61	2598 MCF	5767 GL	2200	2098	Pictured Cliffs
SPNG								
Ludwick	19 B	5-29N-10W	9-11-61	2231 MCF	5911 DF	6951	6692	Dakota
Ludwick	18 B	6-29N-10W	5-4-61	2734 MCF	5907 DF	6953	6702	Dakota
Turner, J. Glenn								
Turner-Nye	1 L	8-29N-10W	1-10-61	3756 MCF	5691 DF	5720	6492	Dakota
Turner-Nye	2 G	8-29N-10W	1-26-61	3179 MCF	5791 DF	6813	6612	Dakota
Atlantic Refining								
State Gas Ut. "B"	1 N	16-29N-10W	7-15-61	2574 MCF	5619 GL	6544	6365	Dakota
Tenneco Corp.								
Sullivan Frame "A"	1 D	30-29N-10W	5-4-61	4821 MCF	5464 GL	6090	6274	Dakota
Mountain States Petr.								
State "A"	1 F	32-29N-10W	1-6-61	1425 MCF	5731 GL	2045	1935	Pictured Cliffs
Southern Union Prod.								
Zachry	15 N	33-29N-10W	12-2-61	4496 MCF	5792 GL	6646	6398	Dakota
Zachry	16 H	33-29N-10W	12-24-61	4001 MCF	5646 GL	6570	6326	Dakota
Pierce	2 A	34-29N-10W	12-14-61	4032 MCF	5549 GL	6480	6236	Dakota
Zachry	17 D	35-29N-10W	12-3-61	4021 MCF	5733 GL	6640	6352	Dakota
Pubco Petr. Corp.								
State	28 B	36-29N-10W	4-25-61	3836 MCF	5695 GL	6604	6378	Dakota
State	29 H	36-29N-10W	5-24-61	6190 MCF	5642 GL	6533	6288	Dakota
Pubco Fed. 29-11	1 O	1-29N-11W	7-18-61	3812 MCF	5821 DF	6710	6540	Dakota
International Oil Co.								
Fogelson	1 J	2-29N-11W	7-22-61	2419 MCF	5759 GL	6880	6509	Dakota
Fogelson	1 P	4-29N-11W	12-5-61	2864 MCF	5785 GL	6765	6480	Dakota
Fifield	1 N	5-29N-11W	6-23-61	2398 MCF	5775 GL	6690	6402	Dakota
Aster Oil & Gas								
Cooper "D"	3 L	6-29N-11W	4-20-61	4054 MCF	5774 GL	6660	6352	Dakota
Cooper "B"	1 H	7-29N-11W	3-3-61	4847 MCF	5736 GL	6640	6348	Dakota
Redfern & Herd								
Cooper	1 N	7-29N-11W	1-13-61	1845 MCF	5660 GL	6550	6280	Dakota
International Oil								
Fogelson	1 J	8-29N-11W	10-4-61	3805 MCF	5704 GL	6650	6327	Dakota
Fogelson	1 F	9-29N-11W	1-30-61	2635 MCF	5697 GL	6691	6354	Dakota
Fogelson	2 P	11-29N-11W	8-7-61	3203 MCF	5662 GL	6681	6394	Dakota
Tidewater Oil Co.								
N.M. Fed. Deep U 12E	1 I	12-29N-11W	7-4-61	3449 MCF	5788 DF	6752	6497	Dakota
N.M. Fed. Deep U	1 H	13-29N-11W	6-6-61	3697 MCF	5611 GL	6635	6390	Dakota
Reynolds, Otto								
Wood, W. G.	1 N	14-29N-11W	2-13-61	D & A	5502 GL	840		
Skelly Oil Co.								
Mexico Fed. "W"	1 F	15-29N-11W	10-29-61	6139 MCF	5631 GL	6547	6320	Dakota
Aster Oil & Gas								
McDaniel "B"	1 M	17-29N-11W	7-3-61	4503 MCF	5552 GL	6444	6174	Dakota
Cooper "D"	4 B	18-29N-11W	6-15-61	2477 MCF	5718 GL	6570	6331	Dakota
Dozensens "H"	6 L	18-29N-11W	7-24-61	3349 MCF	5648 GL	6510	6221	Dakota
McDaniel "C"	1 B	19-29N-11W	10-25-61	5116 MCF	5587 GL	6430	6161	Dakota
Reynolds, Otto								
Dale	1 E	24-29N-11W	3-15-61	240 MCF	5465 GL	869	723	Farmington
Tidewater								
Mae Dale, et al.	1 E	24-29N-11W	9-7-61	4152 MCF	5475 GL	6427	6148	Dakota

COMPANY LEASE	WELL UNIT	S.T.R.	COMP. DATE	INIT. PROD. TEST	ELEV. GL.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
Aztec Oil & Gas Mangum "D"	4 K	28-29N-11W	8-19-61	5464 MCF	5438 GL	6251	6033	Dakota
Mangum "D"	5 I	29-29N-11W	9-21-61	3501 MCF	5401 GL	6231	5956	Dakota
Pioneer Prod. Shepard & Kelsey	1 L	29-29N-11W	6-16-61	4996 MCF	5372 GL	6166	6114	Dakota
Williett, George E. 3DD	2 M	31-29N-11W	10-9-61	TA	5447 DF	1720		
Aztec Oil & Gas Mangum "B"	1 F	32-29N-11W	1-15-61	4969 MCF	5425 GL	6175	5926	Dakota
Congress Oil Co. Congress	4 A	35-29N-11W	6-13-61	1733 MCF	5636 GL	6480	6203	Dakota
Atlantic Rfg. Co. State GU "A"	1 G	36-29N-11W	12-2-61	2661 MCF	5645 GL	6522	6269	Dakota
Tennessee Gas Trans. Allen Dak. U. "A"	1 D	1-29N-12W	3-19-61	2880 MCF	5906 GL	6515	6518	Dakota
Aztec Oil & Gas Co. McGrath Unit "B"	1 J	2-29N-12W	12-3-61	2813 MCF	5892 GL	6720	6486	Dakota
Young "D"	1 D	2-29N-12W	8-13-61	1873 MCF	5847 GL	6740	6446	Dakota
Redfern & Herd, Inc. Dustin	1 K	6-29N-12W	3-22-61	2342 MCF	5393 GL	6130	5886	Dakota
Tennessee Gas Trans. Cornell Gas Dt. "A"	1 D	10-29N-12W	1-12-61	7938 MCF	5679 GL	6510	6274	Dakota
Tenneco Corp. Cornell Dakota GU "C"	1 D	11-29N-12W	12-27-61	1978 MCF	5716 GL	6640	6298	Dakota
Cornell "B"	1 D	14-29N-12W	9-11-61	4174 MCF	5631 GL	6188	6171	Dakota
Pan American Petr. Gallegos CU	96 O	18-29N-12W	5-1-61	6743 MCF	5528 GL	6190	6065	Dakota
Gallegos CU	109 M	18-29N-12W	10-11-61	2756 MCF	5523 GL	6180	6054	Dakota
Gallegos CU	107 D	19-29N-12W	9-4-61	3775 MCF	5425 GL	6044	5937	Dakota
Gallegos CU	110 G	19-29N-12W	10-26-61	6574 MCF	5465 GL	6100	5984	Dakota
Gallegos CU	111 K	20-29N-12W	10-27-61	5077 MCF	5466 DF	6100	5977	Dakota
Crawford GU "B"	1 L	24-29N-12W	10-13-61	7478 MCF	5618 GL	6356	6224	Dakota
Redfern & Herd, Inc. Maxay	1 B	24-29N-12W	3-19-61	6916 MCF	5682 GL	6468	6208	Dakota
Pan American Petr. Gallegos CU	93 E	36-29N-12W	8-19-61	6236 MCF	5357 GL	6045	5862	Dakota
Sunray Mid-Cont. Farmington Townsite U	1 B	2-29N-13W	4-27-61	2060 MCF	5513	6200	6035	Dakota
Pioneer Prod. Fruitt Airport	1 E 1 A	4-29N-13W 8-29N-13W	5-28-61 10-15-61	2500 MCF 2000 MCF	5417 GL 5380 GL	6105 6020	5861 5770	Dakota Dakota
Redfern & Herd Airport	2 F	8-29N-13W	8-31-61	1757 MCF	5355 GL	5996	5764	Dakota
Pan American Petr. Gallegos CU	102 O	13-29N-13W	8-21-61	2628 MCF	5430 DF	6092	5953	Dakota
Gallegos CU	108 J	13-29N-13W	10-23-61	3972 MCF	5424 GL	6052	5939	Dakota
Aztec Oil & Gas Harris "D"	1 I	18-29N-13W	7-10-61	440 MCF	5228 GL	5722	5556	Dakota
Smith "C"	1 O	18-29N-13W	4-30-61	12 BO	5235 GL	5086	4960	Gallup
Hagood "G"	23 I	19-29N-13W	3-22-61	312 BO	5384 GL	5233	5164	Gallup
Hagood "G"	24 O	19-29N-13W	5-11-61	276 BO	5432 GL	5280	5110	Gallup
Hagood "G"	25 G	19-29N-13W	4-4-61	256 BO	5306 GL	5165	5094	Gallup
Hagood "G"	26 C	19-29N-13W	4-16-61	389 BO	5365 GL	5215	5130	Gallup
Hagood "G"	27 J	19-29N-13W	5-28-61	421 BO	5348 GL	5200	5104	Gallup

COMPANY LEASE	WELL UNIT	S.T.R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
Aztec Oil & Gas								
Hagood "G"	20 D	20-29N-13W	4-15-61	335 BO	5477 GL	5363	5286	Gallup
Hagood "G"	21 E	20-29N-13W	4-2-61	368 BO	5442 GL	5317	5242	Gallup
Hagood	22-G M	20-29N-13W	3-20-61	503 BO	5482 GL	6247	5269	Gallup
State TG	1 E	20-29N-13W	4-29-61	6 BO	5378 GL	5265	5190	Gallup
Tenneco Oil Co.								
Hagood Gallup Oil "A"	1 M	21-29N-13W	10-1-61	1 1/2 BO	5303 GL	5245	5234	Gallup
Pan American Petr.								
White Gas U.	1 O	22-29N-13W	9-2-61	3175 MCF	5267 GL	5857	5753	Dakota
Gallagos CU	106 A	24-29N-13W	8-31-61	4638 MCF	5394 GL	6020	5912	Dakota
Tenneco Corp.								
USA Callow	16 M	27-29N-13W	3-11-61	210 BO	5392 GL	5715	5214	Gallup
Aztec Oil & Gas								
State TG "G"	1 E	28-29N-13W	6-29-61	6 BO	5378 GL	5265	5190	Gallup
Tennessee Gas Trans.								
Callow, Glen H.	15 H	28-29N-13W	1-17-61	104 BO	5740 GL	5652	5592	Gallup
Tenneco Corp.								
USA Callow	17 O	28-29N-13W	4-10-61	195 BO	5750 GL	5636	5571	Gallup
USA Callow	18 E	28-29N-13W	3-21-61	184 BO	5808 GL	5675	5613	Gallup
USA Callow	19 M	28-29N-13W	3-31-61	171 BO	5824 GL	5693	5628	Gallup
Aztec Oil & Gas								
Hagood "G"	8 G	29-29N-13W	1-12-61	336 BO	5728 GL	5591	5526	Gallup
Hagood "G"	16 I	29-29N-13W	1-26-61	223 BO	5825 GL	5675	5614	Gallup
Hagood "G"	17 C	29-29N-13W	2-6-61	345 BO	5734 GL	5598	5531	Gallup
Hagood "G"	19 E	29-29N-13W	2-20-61	341 BO	5454 GL	5303	5240	Gallup
Hagood "G"	28 C	30-29N-13W	6-23-61	20 BO	5521 GL	5355	5210	Gallup
Hagood "G"	29 C	30-29N-13W	7-26-61	52 BO	5811 GL	5624	5468	Gallup
Elliott, Inc.								
Totah "A"	1 A	30-29N-13W	4-22-61	680 BO	5412 DF	5245	5174	Gallup
Tenneco Corp.								
Callow Fed. "B"	1 O	31-29N-13W	3-3-61	194 BO	5868 GL	5715	5655	Gallup
Callow Fed. "B"	2 I	31-29N-13W	5-13-61	170 BO	5863 GL	5650	5604	Gallup
Callow Fed. "B"	3 G	31-29N-13W	11-14-61	19 BO	5865 GL	6323	5543	Gallup
Callow Fed. "B"	4 D	31-29N-13W	11-15-61	212 BO	5857 GL	5660	5533	Gallup
Callow Ut. "B"	1 L	31-29N-13W	8-30-61	613 BO	5933 GL	5711	5592	Gallup
Pan American Petr.								
State Oil Unit	1 M	32-29N-13W	3-25-61	184 BO	5933 DF	5745	5645	Gallup
Southwest Prod.								
Callow Federal	2 J	33-29N-13W	3-4-61	97 BO	5709 GL	5622	5409	Gallup
Aztec Oil & Gas								
Hagood "G"	13 P	34-29N-13W	1-11-61	127 BO	5903 GL	5800	5682	Gallup
Hagood "G"	15 H	34-29N-13W	1-28-61	173 BO	5879 GL	5745	5622	Gallup
Pan American Petr.								
Gallagos Canyon Ut.	92 L	35-29N-13W	4-23-61	362 BO	5889 DF	5810	5720	Gallup
Gallagos Canyon Ut.	99 H	35-29N-13W	5-15-61	224 BO	5838 DF	5764	5660	Gallup
Sunray Mid-Continent								
New Mexico Fed. "I"	3 D	1-29N-14W	1-24-61	3480 MCF	5579 GL	6002	5840	Dakota
New Mexico St. "Z"	1 J	2-29N-14W	4-9-61	1985 MCF	5510 GL	5925	5742	Dakota
Pan American Petr.								
NavaJo "E"	3 O	13-29N-14W	4-30-61	339 BO	5327 DF	5150	5052	Gallup
NavaJo "H"	5 M	13-29N-14W	6-7-61	258 BO	5285 DF	5070	4979	Gallup
NavaJo "E"	13 K	13-29N-14W	7-22-61	85 BO	5270 DF	5150	4990	Gallup
NavaJo "E"	8 I	14-29N-14W	6-25-61	287 BO	5244	5033	4931	Gallup
NavaJo "E"	11 G	14-29N-14W	8-29-61	255 BO	5195 GL	5035	4899	Gallup
NavaJo "H"	12 E	14-29N-14W	10-2-61	444 BO	5203 GL	5026	4891	Gallup

COMPANY LEASE	WELL UNIT	S.T.H.	COMP. DATE	INT. PROD. TEST	ELEV.	TOTAL DEPTH	ROOF PAY	PRODUCING FORMATION
Sunray Mid-Continent New Mexico Fed. "I"	6 A	15-29N-14W	10-30-61	135 BO	5365 GL	5160	3017	Gallup
Pan American Petr. Navajo "E"	7 M	16-29N-14W	3-16-61	188 BO	5187	4773	4692	Gallup
Southwest Prod. Fouts-State	1 O	16-29N-14W	10-9-61	192 BO	5181 GL	4830	4727	Gallup
Kirtland State	1 E	16-29N-14W	7-6-61	528 BO	5182 GL	4746	4667	Gallup
Malco State	1 L	16-29N-14W	6-16-61	600 BO	5170 GL	4770	4654	Gallup
Pan American Petr. Navajo "G"	4 M	17-29N-14W	1-6-61	275 BO	5181 GL	4669	4578	Gallup
Wood Oil Unit	1 P	17-29N-14W	8-5-61	454 BO	5174 DM	4785	4639	Gallup
Navajo "G"	5 I	18-29N-14W	3-13-61	165 BO	5172 GL	4668	4528	Gallup
Navajo Tribal "E"	8 E	22-29N-14W	2-6-61	237 BO	5259 GL	4930	4835	Gallup
Navajo "E"	9 G	22-29N-14W	2-20-61	12 BO	5288	4970	4886	Gallup
Navajo "H"	1 M	23-29N-14W	3-25-61	210 BO	5355 GL	5260	5177	Gallup
Navajo "H"	9 A	23-29N-14W	7-7-61	166 BO	5317 DF	5118	4977	Gallup
Navajo "H"	15 O	23-29N-14W	8-7-61	167 BO	5504 GL	5265	5126	Gallup
Navajo "H"	2 A	24-29N-14W	4-14-61	225 BO	5378 GL	5214	5131	Gallup
Navajo Tribal "H"	4 C	24-29N-14W	5-15-61	557 BO	5347 GL	5160	5048	Gallup
Navajo "H"	6 O	24-29N-14W	6-18-61	383 BO	5369	5163	5069	Gallup
Navajo "H"	7 I	24-29N-14W	7-9-61	217 BO	5459 DF	5314	5227	Gallup
Humble Oil & Ref. Navajo "L"	13 O	25-29N-14W	5-4-61	187 BO	5885 GL	5587	5206	Gallup
Navajo "L"	14 E	25-29N-14W	6-18-61	300 BO	5615 GL	5387	5319	Gallup
Navajo "L"	15 G	25-29N-14W	8-11-61	268 BO	5637	5416	5360	Gallup
British American Navajo "D"	1 D	30-29N-14W	2-14-61	P & A	5460 DF	4930		
BPNG Ojo Amarillo	7 A	34-29N-14W	3-22-61	45 BO	5791 DM	5411	5314	Gallup
Humble Oil & Rfg. Navajo "L"	11 E	35-29N-14W	3-5-61	55 BO	5830 GL	5485	5343	Gallup
Navajo "L"	12 O	35-29N-14W	5-28-61	44 BO	5871 GL	5513	5382	Gallup
Navajo "L"	8 G	35-29N-14W	1-22-61	186 BO	5894 DF	5610	5502	Gallup
Navajo "L"	9 O	36-29N-14W	2-31-61	205 BO	5967 DF	5656	5556	Gallup
Navajo "L"	10 M	36-29N-14W	3-7-61	93 BO	5958 DF	5620	5552	Gallup
Owen, Roy & Co. Donella	1 P	3-29N-15W	8-7-61	64 BO	5126 GL	4494	4300	Gallup
Rodman, Earl Brimhall	1 E	11-29N-15W	12-29-61	P & A	5128 GL	4400		
Grossman & Lockie Stock, Oliver	1-A O	1-29N-16W	6-29-61	TA	5034 GL	3910		
Grossman & Pettus Hunt	1 K	3-29N-16W	4-25-61	151 BO	5031	3567	3496	Gallup
Owen, Roy & Co. Champ	1 I	4-29N-16W	4-10-61	P & A	5046 GL	3600		
Henderson-Stephens Pan Am. Navajo	1 F	2-29N-17W	2-28-61	P & A	4951 GL	440		
Wadley, J. K. Gulf-Navajo	1 D	22-29N-17W	1-22-61	D & A	5105 DF	1124		
Humble Oil & Rfg. Core Hole	16 N	4-29N-18W	12-25-61	P & A	5136 GL	510		
Universal Oil Navajo	7 B	7-29N-18W	4-14-61	TA		120		
Humble Oil & Rfg. Core Hole	18 C	16-29N-18W	10-25-61	P & A	5139 GL	508		

COMPANY LEASE	WELL UNIT	S.T.R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
Royal Development								
Shiprock 16 "K"	1 K	16-29N-18W	5-8-61	P & A	5175 GL			
Shiprock 16 "K"	2 K	16-29N-18W	5-7-61	P & A	5174 GL	167		
Shiprock Navajo "L"	2 L	16-29N-18W	3-20-61	P & A	5178 GL	141		
Shiprock Navajo "L"	3 L	16-29N-18W	3-18-61	10 BO	5194 GL	155		Gallup
Shiprock Navajo "L"	4 L	16-29N-18W	3-27-61	P & A	5193 GL	1030		
Shiprock "L" 16	7 L	16-29N-18W	5-4-61	3 BO	5183 GL	145		Gallup
Shiprock Navajo "L"	8 L	16-29N-18W	4-1-61	5 BO	5185 GL	136		Gallup
Shiprock "L"	9 L	16-29N-18W	7-8-61	P & A	5192 GL	161		
Shiprock "C"	2 B	17-29N-18W	5-8-61	P & A	5217 GL	130		
Shiprock "I"	1 I	17-29N-18W	3-15-61	8 BO	5184 GL	115		Gallup
Shiprock "I"	2 I	17-29N-18W	3-24-61	8 BO	5195 GL	110		Gallup
Shiprock "I"	3 I	17-29N-18W	3-23-61	12 BO	5199 GL	110		Gallup
Shiprock "I"	4 I	17-29N-18W	3-17-61	9 BO	5194 GL	121		Gallup
Shiprock Navajo "I"	5 I	17-29N-18W	10-26-61	4 BO	5188 GL	122		Gallup
Shiprock "I"	6 H	17-29N-18W	4-25-61	7 BO	5191 GL	115		Gallup
Shiprock Navajo "I"	7 I	17-29N-18W	10-23-61	3 BO	5194 GL	107		Gallup
Shiprock "I"	8 H	17-29N-18W	4-26-61	6 BO	5197 GL	105		Gallup
Shiprock Navajo "I"	9 H	17-29N-18W	10-27-61	2 BO	5196 GL	114		Gallup
Shiprock Navajo 17	I-10 H	17-29N-18W	10-31-61	3 BO	5185 GL	103		Gallup
Shiprock 17	I-13 H	17-29N-18W	12-18-61	2 BO	5195 GL	92		Gallup
Shiprock 17	I-14 H	17-29N-18W	12-18-61	2 BO	5185 GL	84		Gallup
Shiprock 17 "J"	1 J	17-29N-18W	3-25-61	6 BO	5199 GL	91		Gallup
Shiprock 17 "J"	2 J	17-29N-18W	2-19-61	8 BO	5222 GL	99		Gallup
Shiprock 17 "J"	3 J	17-29N-18W	3-29-61	8 BO	5216 GL	87		Gallup
Shiprock 17 "J"	4 J	17-29N-18W	3-27-61	3 BO	5212 GL	91		Gallup
Shiprock Navajo "J"	J-5 J	17-29N-18W	10-23-61	4 BO	5208 GL	101		Gallup
Shiprock 17 "J"	6 J	17-29N-18W	4-30-61	5 BO	5207 GL	92		Gallup
Shiprock Navajo 17	J-7 J	17-29N-18W	10-23-61	3 BO	5210 GL	85		Gallup
Shiprock 17 "J"	8 J	17-29N-18W	5-1-61	5 BO	5218 GL	84		Gallup
Shiprock Navajo 17	J-9 G	17-29N-18W	10-28-61	2 BO	5220 GL	96		Gallup
Shiprock Navajo 17	J-10 G	17-29N-18W	10-30-61	2 BO	5214 GL	95		Gallup
Shiprock 17 "K"	3 K	17-29N-18W	5-8-61	P & A	5241 GL	126		
Shiprock 17	K-5 K	17-29N-18W	4-29-61	6 BO	5223 GL	84	67	Gallup
Shiprock 17 "K"	6 K	17-29N-18W	5-5-61	4 BO	5232 GL	93		Gallup
Shiprock 17 "K"	7 K	17-29N-18W	4-28-61	12 BO	5233 GL	100		Gallup
Shiprock Navajo "K"	8 K	17-29N-18W	5-8-61	P & A	5227 GL	84		
Shiprock Navajo "L"	1 L	17-29N-18W	2-28-61	P & A	5245 GL	103		
Shiprock Navajo "B"	4 B	19-29N-18W	2-28-61	P & A	5285 GL	120		
Shiprock Navajo "L"	2 L	20-29N-18W	2-28-61	P & A	5310 GL	175		
Shiprock Navajo "D"	2 D	21-29N-18W	2-28-61	P & A	5252 GL	350		
Shiprock Navajo "D"	2 D	28-29N-18W	3-8-61	P & A	5266 GL	481		
Continental Oil Co.								
Rattlesnake	137 G	2-29N-19W	1-5-61	TA	5266 DF	507		
Humble Oil & Rfg.								
Core Hole	31 G	3-29N-19W	10-25-61	P & A	5142 GL	360		
EPNG Co.								
Howell "J"	4 L	3-30N-8W	11-4-61	3139 MCF	6210 DF	5424	4915	Mesaverde
Gartner	9 A	33-30-8W	10-27-61	2761 MCF	6283 DF	7640	7314	Dakota
Pan American Petr.								
Elliott Gas U. "L"	1 A	33-30N-9W	9-8-61	6952 MCF	5759 GL	2573	2443	Pictured Cliffs
Elliott CU "M"	1 I	33-30N-9W	11-13-61	4261 MCF	5688 GL	2440	2343	Pictured Cliffs
EPNG								
Schumacher	11 K	18-30N-10W	4-5-61	2296 MCF	6282 DF	7450	7164	Dakota
Schoen	2 L	27-30N-10W	6-3-61	2252 MCF	6156 DF	7314	7038	Dakota
Stewart	8 N	28-30N-10W	7-9-61	2745 MCF	6205	7368	7052	Dakota
Ludwick	20 K	29-30N-10W	10-11-61	5090 MCF	6084 DF	7186	6910	Dakota
Sellers "A"	4 L	30-30N-10W	8-10-61	2764 MCF	6054 DF	7121	4984	Dakota
Ludwick	21 N	31-30N-10W	11-3-61	3104 MCF	6036 DF	7056	6824	Dakota
Southwest Prod. Co.								
Ona Magee	1 P	4-30N-11W	5-20-61	2464 MCF	5615 GL	6778	6513	Dakota
EPNG								
Bruington P U	4 K	6-30N-11W	9-15-61	3128 MCF	5757 GL	6871	6620	Dakota

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Southwest Prod. Co.								
Nell Ball	1 M	7-30N-11W	3-18-61	6018 MCF	5614 GL	6701	6455	Dakota
Ruby Jones	1 G	7-30N-11W	7-7-61	2332 MCF	5679 GL	6775	6526	Dakota
Glenn Swire	1 N	8-30N-11W	11-13-61	3834 MCF	5598 GL	6685	6408	Dakota
Hampton "D"	1 B	10-30N-11W	12-5-61	2006 MCF	5732 GL	6906	6643	Dakota
Aztec Oil & Gas Co.								
Nye	12 G	12-30N-11W	11-5-61	1103 MCF	6008 GL	2670	2572	Pictured Cliffs
International Oil								
Martin	2 O	34-30N-11W	4-13-61	2994 MCF	5760 GL	6770	6508	Dakota
Fogelson	1 O	35-30N-11W	7-10-61	2298 MCF	5783 DF	6825	6714	Dakota
Consolidated Oil & Gas								
Clayton (Dual)	1 N	2-30N-12W	10-1-61	1070 MCF 1640 MCF	5769 GL	6701	5954 6580	Gallup Dakota
Southwest Prod.								
Kate Standage	1 J	12-30N-12W	2-14-61	3642 MCF	5677 GL	6773	6513	Dakota
Texaco, Inc.								
L. M. Barton (Dual)	1 F	12-30N-12W	7-16-61	1813 MCF 2162 MCF	5651 GL	6800	4412 6532	Mesaverde Dakota
Southwest Prod. Co.								
Leora Wallace	1 N	14-30N-12W	7-23-61	2281 MCF	5547 GL	6510	6362	Dakota
Pearl Wilks	1 A	14-30N-12W	6-20-61	2189 MCF	5641 GL	6709	6479	Dakota
Pan American Petr.								
Johnson CU "D"	1 G	15-30N-12W	8-25-61	2499 MCF	5673 GL	6661	6715	Dakota
Atlantic Rfg.								
State Gas U. "C"	1 B	16-30N-12W	10-26-61		5661 GL	6719	6450	Dakota
Texas Eastern Trans.								
Rice Unit	1 M	20-30N-12W	4-24-61	3589 MCF	5674 GL	6597	6316	Dakota
Southwest Prod.								
Irene Brown	1 O	22-30N-12W	9-17-61	1741 MCF	5500 GL	3375		Mesaverde
Ollie Sullivan	1 A	22-30N-12W	8-7-61	2665 MCF	5538 GL	6478	6332	Dakota
Turner, J. Glenn								
Osborn	1 M	22-30N-12W	1-30-61	5988 MCF	5491 GL	3396		Mesaverde
Southwest Prod.								
Charles Button	1 A	23-30N-12W	6-30-61	2880 MCF	5512 GL	6538	6312	Dakota
Mughlett Smith	1 O	23-30N-12W	4-8-61	4246 MCF	5512 GL	3426		Mesaverde
Willett, George E.								
Balnsett SDD	1 G	24-30N-12W	10-12-61	924 MCF	5544 GL	2199	1809	Pictured Cliffs
Southwest Prod.								
Hudson, Karl	1 D	26-30N-12W	9-25-61	1845 MCF	5511 GL	3410	3374	Mesaverde
Palmer, Paul	1 L	26-30N-12W	9-17-61	3739 MCF	5630 GL	3509		Mesaverde
Palmer, Paul "D"	1 L	26-30N-12W	10-25-61	2528 MCF	5656 GL	6564	6398	Dakota
Pierce, Katherine	1 B	26-30N-12W	8-26-61	2746 MCF	5639 GL	6580	6332	Dakota
Pan American Petr.								
Stedje CU (Dual)	1 F	27-30N-12W	10-30-61	8155 MCF 3042 MCF	5464 GL	6340	3299 6180	Mesaverde Dakota
Redfern & Herd								
Johnston (Dual)	1 I	28-30N-12W	11-6-61	2017 MCF 3264 MCF	5450 GL	6295	3245 6084	Mesaverde Dakota
Federal	1 J	29-30N-12W	1-14-61	2354 MCF	5541 GL	6524	6190	Dakota
Aztec Oil & Gas Co.								
Sammons "D"	2 G	32-30N-12W	5-27-61	3443	5423 GL	6276	6011	Dakota
Redfern & Herd								
Maddox	1 J	33-30N-12W	10-11-61	3152 MCF	5561 GL	6400	6183	Dakota
Maddox CU	2 L	33-30N-12W	5-21-61	2346 MCF	5622 GL	6465	6226	Dakota

COMPANY LEASE	WELL UNIT	S.T.R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
Texas Eastern Trans. Carnahan Unit	1 P	35-30N-12W	1-10-61	3226 MCF	5910 GL	6778	6521	Dakota
Pubco Petr. Co. State	30 I	36-30N-12W	7-4-61	2235 MCF	5839 GL	6645	6468	Dakota
Southern Union Gas Co. Reid "A"	1 A	1-30N-13W	1-11-61	1604 MCF	5873 GL	6865	5942	Dakota
R & G Drilling Lunt	61 A	6-30N-15W	8-9-61	4556 MCF	5629 GL	6355	6104	Dakota
Skelly Oil Co. Mexico-Fed. "L"	1 N	10-30N-13W	2-15-61		5712 GL	6502	6223	Dakota
R & G Drilling Co. Lunt	62 A	16-30N-13W	8-26-61	5000 MCF	5635 DF	6282	6036	Dakota
Compass Exploration NW Farmington Fed. Federal Federal "A"	1 N 1 A 1 H	28-30N-13W 30-30N-13W 31-30N-13W	12-1-61 8-31-61 10-16-61	3766 MCF 2851 MCF 1851 MCF	5672 GL 5579 DF 5314 GL	6315 6250 5975	6142 5967 5685	Dakota Dakota Dakota
Southern Union Prod. McCord	3 B	34-30N-13W	11-28-61	3444 MCF	5719	6490	6232	Dakota
Texaco, Inc. N. M. Gas U. "H"	1 D	36-30N-13W	6-12-61	4538 MCF	5631 GL	6386	6168	Dakota
Humble Oil & Refg. N. Kirtland Unit	1 J	11-30N-14W	9-11-61	TA	6022 GL	13,016		
Compass Exploration Twin Mounds Aztec	1 U 1 P	25-30N-14W 34-30N-14W	12-30-61 5-3-61	7825 MCF P & A	5383 GL 5485 GL	6030 5991	5696	Dakota
Pubco Petr. Corp. State	31 K	36-30N-14W	8-10-61	4466 MCF	5592 GL	6020	5851	Dakota
Benson-Montin-Greer Harrington	1 E	17-30N-15W	11-3-61	92 BO	5366 GL	4270	4130	Gallup
Dentury Exploration Pan Am. Federal	1 E	19-30N-15W	2-7-61	22 BO	5368 DF	4068	3780	Gallup
Sunray Mid-Continent Amargis, Harry	1 E	33-30N-15W	9-2-61	16 BO	5186 GL	4330	4060	Gallup
Bayless, R. L. Robby	1 H	1-30N-16W	5-29-61	33 BO	5425 GL	1745		Gallup
P-M Drilling Co. Navajo Navajo Navajo	1 M 2 J 2 O	1-30N-16W 1-30N-16W 1-30N-16W	1-19-61 1-25-61 5-20-61	72 BO 84 BO P & A	5480 GL 5432 GL 5523 GL	1790 1665 2100	1658 1665	Gallup Gallup
EPWG Burrroughs State Navajo Allotted Navajo Allotted Navajo Lowe	2 C 2 L 3 K 3 B	2-30N-16W 2-30N-16W 2-30N-16W 2-30N-16W	3-1-61 3-14-61 3-22-61 3-8-61	18 BO 30 BO 24 BO 18 BO	5663 GL 5650 DF 5600 DF 5633 DF	1692 1655 1651 1685	1587 1551 1568 1578	Gallup Gallup Gallup Gallup
EROC Associates Navajo Navajo Navajo Navajo	1 N 2 P 3 J 4 I	2-30N-16W 2-30N-16W 2-30N-16W 2-30N-16W	5-15-61 6-26-61 7-11-61 8-12-61	80 BO 45 BO 7 BO 82 BO	5515 DF 5528 GL 5580 DF 5544 DF	1798 1891 1827 1810	1597 1664 1592 1582	Gallup Gallup Gallup Gallup
King Oil Co. Colorado	2 G	11-30N-16W	4-17-61	19 BO	5479 DF	2003	1836	Gallup



COMPANY LEASE	WELL UNIT	S.T.R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
Drilling & Coring Navajo	1 M	31-30N-16W	3-2-61	P & A	5057 DF	279		
Trigg, John H. Petro Atlas Fed.	1 P	33-30N-16W	8-16-61	12 BO	5433 DF	3649	3579	Gallup
Blackford, Ken Navajo	1 E	3-30N-17W	6-28-61	P & A	5137 GL	1121		
King Oil Company Navajo "A"	5-X H	4-30N-17W	5-22-61	F & A	5116 DF	1095		
Bayless, R. L. Chuck	1 P	6-30N-17W	6-29-61	F & A	5003 GL	508		
Margaret	1 F	6-30N-17W	1-20-61	D & A	5056 GL	720		
Neva	1 P	7-30N-17W	1-11-61	D & A	5063 GL	626		
Brenda	1 D	8-30N-17W	1-12-61	D & A	5146 GL	634		
Molle "E"	1 E	8-30N-17W	4-28-61	P & A	5050 GL	540		
Price Bayless	1 B	8-30N-17W	4-28-61	P & A	5042 DF	1105		
Drilling & Coring Exp. Navajo "A"	1 B	16-30N-17W	5-13-61	P & A	5218 GL	800		
Arizona Explr. Navajo	1 I	30-30N-17W	5-3-61	TA	4953 DF	661		
Henderson & Stephens Yvone	1 P	36-30N-17W	3-13-61	P & A	5029 GL	203		
Humble Oil & Rfg. Core Hole	9 H	4-30N-18W	10-18-61	P & A	4880 GL	525		
Wadley, J. K. Navajo	1 H	4-30N-18W	1-26-61	P & A		990		
Humble Oil & Rfg. Core Hole	10 K	9-30N-18W	12-7-61	P & A	4861 GL	440		
Core Hole	11 F	16-30N-18W	10-23-61	P & A	4899 GL	400		
Core Hole	13 N	21-30N-18W	10-24-61	P & A	5048 GL	400		
Core Hole	14 N	28-30N-18W	10-25-61	P & A	5045 GL	500		
Continental Oil Co. Rattlesnake	138 I	30-30N-18W	3-18-61	TA	5187 GL	125		
Humble Oil & Rfg. Core Hole	26 F	13-30N-19W	11-3-61	P & A	5110 GL	710		
Core Hole	28 M	23-30N-19W	10-27-61	P & A	5017 GL	448		
Budd, Harrell Navajo	1 H	27-30N-19W	12-18-61	TA	4982 GL	150		
Navajo	2 H	27-30N-19W	12-28-61	P & A	5051 DF	250		
Navajo	4 F	27-30N-19W	9-12-61	TA	5094 DF	150		
Budd, Harrell Navajo	5 D	27-30N-19W	3-18-61	D & A	4993 DF	150		
Navajo	6 F	27-30N-19W	3-19-61	D & A	4999 GL	150		
Navajo	7 L	27-30N-19W	3-20-61	D & A	5041 DF	150		
Navajo	8 N	27-30N-19W	3-22-61	D & A	5036 DF	150		
Navajo	9 B	27-30N-19W	12-28-61	P & A		150		
Humble Oil & Rfg. Core Hole	30 A	34-30N-19W	10-26-61	P & A	5112 GL	400		
Blackwood & Nichols NE Blanco Ut.	60 A	7-31N-6W	6-1-61	3314 MCF	6380 DF	5845	5338	Mesaverde
NE Blanco Ut.	61 G	19-31N-6W	6-19-61	3035 MCF	6320 GL	5820	5204	Mesaverde
EPNG Case	9 K	8-31N-11W	8-10-61	1687 MCF	6347 DF	7466	7170	Dakota
Case	8 A	18-31N-11W	6-6-61	P & A	6252 DF	7545		
Mudge	26 L	21-31N-11W	7-15-61	3238 MCF	5931 DF	7222	6900	Dakota
Heaton	16 L	28-31N-11W	7-15-61	3865 MCF	5921 DF	7210	6890	Dakota

COMPANY LEASE	WELL UNIT	S. T. R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
BPNG								
Heaton	14 G	29-31N-11W	6-12-61	2799 MCF	5976 DF	7210	6930	Dakota
Heaton	17 G	32-31N-11W	10-14-61	3447 MCF	5863 DF	7078	6774	Dakota
Consolidated O & G								
Landauer	1 H	3-31N-12W	10-1-61	3050 MCF	5772 GL	6870	6628	Dakota
Mitchell	1 N	5-31N-12W	11-10-61	1940 MCF	5959 DF	7021	6852	Dakota
Greenbrier Oil Co.								
Hedges (Dual)	2 A	23-31N-12W	6-4-61	1577 MCF 5593 MCF	6198 GL	7340	5007 7213	Mesaverde Dakota
Southern Union Prod.								
Tallaferro	2 M	31-31N-12W	3-20-61	1851 MCF	5902 GL	6882	6666	Dakota
Rawson	1 A	35-31N-12W	7-6-61	2844 MCF	5889 GL	6971	5766	Dakota
Consolidated Oil & Gas								
Landauer	1 H	3-31N-13W	10-1-61	3050 MCF	5772 GL	6870	6628	Dakota
O'Shea (Dual)	1 K	3-31N-13W	6-19-61	735 MCF 1825 MCF	5818 GL	6900	4489 6870	Mesaverde Dakota
Grass, A.	1 K	9-31N-13W	7-24-61	1855 MCF	5862 GL	6900	6664	Dakota
Wilmerding (Dual)	1 B	9-31N-13W	11-12-61	344 MCF 1080 MCF	5817 GL	6801	4462 6635	Mesaverde Dakota
Kline (Dual)	1 G	10-31N-13W	5-24-61	736 MCF 1858 MCF	5715 GL	6690	4285 6525	Mesaverde Dakota
Adobe Oil Co.								
Nickles (Dual)	1 K	11-31N-13W	5-17-61	2508 MCF 1604 MCF	5703 GL	6700	4363 6600	Mesaverde Dakota
Consolidated Oil & Gas								
Gov't Freeman (Dual)	1 H	11-31N-13W	11-30-61	1000 MCF 980 MCF	5776 GL	6825	4425 6572	Mesaverde Dakota
Skelly Oil Co.								
Mexico Fed. "M" (Dual)	1 K	12-31N-13W	5-9-61	859 MCF 1574 MCF	5786 DF	6875	4435 6580	Mesaverde Dakota
Consolidated Oil & Gas								
Price (Dual)	1 N	15-31N-13W	8-11-61	50 MCF 2460 MCF	5723 GL	6675	4347 6541	Mesaverde Dakota
Century Explr.								
Elliott, Elizabeth	1 D	18-31N-13W	6-17-61	P & A	5722 GL	6504		
Adobe Oil Co.								
Johnson	1 M	21-31N-13W	1-10-61	3072 MCF	5773 GL	6690	6474	Dakota
LaRose	1 K	22-31N-13W	4-29-61	3046 MCF	5691 GL	6620	6458	Dakota
Consolidated Oil & Gas								
Compass	1 J	22-31N-13W	4-24-61	1785 MCF	5621 GL	6512	6369	Dakota
Nance	1 J	27-31N-13W	9-5-61	2600 MCF	5596	6450	6296	Dakota
Templeton	1 C	27-31N-13W	11-29-61	2960 MCF	5690 GL	6543	6410	Dakota
Hale-Adobe	1 G	28-31N-13W	1-24-61	2060 MCF	5662 GL	6510	6376	Dakota
Gov't Kaufmann	1 H	33-31N-13W	1-16-61	1935 MCF	5545 GL	6320	6162	Dakota
Socoxy Mobil								
Ute Mt.	14 C	22-31N-14W	8-9-61	40 BO	5669 GL	2837	2603	Gallup
King Oil Co.								
Indian	1 H	16-31N-15W	11-15-61	47 BO	5756 DF	2050	1927	Gallup
Century Explr.								
Century Exp., etal	1 H	34-31N-15W	11-18-61	P & A	5493 GL	4298		
Gray, Bert F., Jr.								
Navajo	1 P	5-31N-16W	10-17-61	P & A	5479 GL	1847		
Rutledge, Paul F.								
Navajo-Ute "A"	1 P	8-31N-16W	4-22-61	70 BO	5525 GL	1734	1487	Gallup

COMPANY LEASE	WELL UNIT	S. T. R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TOP PAY	PRODUCING FORMATION
Atlantic Rfg. Co.								
Ute	8 M	26-31N-16W	2-27-61	8 BO	5670 GL	1695	1609	Gallup
Ute	16 I	26-31N-16W	4-27-61	P & A	5613 GL	1785		
Ute	18 N	26-31N-16W	3-18-61	20 BO	5525 GL	1555	1481	Gallup
Ute	19 O	26-31N-16W	4-7-61	30 BO	5502 GL	1690	1620	Gallup
Ute	6 L	35-31N-16W	2-15-61	34 BO	5500 GL	1478	1396	Gallup
Ute	7 E	35-31N-16W	2-26-61	7 BO	5453 GL	1440	1368	Gallup
Ute	9 N	35-31N-16W	3-26-61	87 BO	5543 GL	1555	1460	Gallup
Ute	10 K	35-31N-16W	4-19-61	73 BO	5503 GL	1510	1422	Gallup
Ute	11 P	35-31N-16W	3-21-61	68 BO	5547 GL	1770	1568	Gallup
Ute	12 C	35-31N-16W	3-2-61	157 BO	5475 GL	1500	1423	Gallup
Ute	14 J	35-31N-16W	3-31-61	43 BO	5526 GL	1545	1466	Gallup
Ute	17 B	35-31N-16W	3-13-61	37 BO	5522 GL	1563	1485	Gallup
Humble Oil & Rfg.								
Core Hole	19 D	7-31N-18W	11-5-61	P & A	5122 GL	771		
Core Hole	2 G	10-31N-18W	10-6-61	P & A	5152 GL	880		
Core Hole	4 E	15-31N-18W	10-12-61	P & A	5079 GL	776		
Core Hole	5 B	21-31N-18W	11-22-61	P & A	4991 GL	685		
Core Hole	15 W	21-31N-18W	11-19-61	P & A	4968 GL	650		
Core Hole	17 J	21-31N-18W	12-14-61	P & A	5025 GL	720		
Core Hole	6 F	28-31N-18W	10-17-61	P & A	4974 GL	700		
Core Hole	8 N	33-31N-18W	10-16-61	P & A	4839 GL	210		
Core Hole	8 K	33-31N-18W	11-6-61	P & A	4903 GL	630		
Core Hole	21 F	13-31N-19W	11-4-61	P & A	4922 GL	570		
Core Hole	23 J	24-31N-19W	11-11-61	P & A	4880 GL	595		
Core Hole	25 G	36-31N-19W	11-5-61	P & A	4848 GL	520		
British American								
Navajo "E"	1 F	15-31N-20W	8-5-61	P & A	4930 DF	7308		
Standard of Texas								
Navajo 17	1 G	1-31N-21W	9-29-61	P & A	4972 GL	7803		
EFNG								
SJU 32-7	35 A	22-32N-7W	11-1-61	31.05 MCF	5662 DF	8315	8143	Dakota
Moore	8 N	24-32N-12W	5-2-61	P & A	5557 DF	7880		
Consolidated Oil & Gas								
Robinson Bro. (Dual)	1 P	34-32N-13W	6-5-61	81.2 MCF 1880 MCF	5791 GL	6886	4445 6657	Meaaverde Dakota
Bonanza Oil Corp.								
Ute Mountain	1 A	36-32N-15W	6-11-61	P & A	6751 DF	3290		
Arizona Explr.								
Ute	1 M	35-32N-16W	6-21-61	P & A	5815 DF	2050		
Amalgamated Petr.								
Navajo	4 J	14-32N-18W	10-11-61	6 BO	5347 GL	1365	1315	Gallup
Explro. Drig.								
Navajo	5 J	23-32N-16W	12-3-61	D & W	5375 DF	1254		
Amalgamated Petr.								
Navajo	3 N	24-32N-18W	8-15-61	49 BO	5457 GL	1163	1110	Gallup
Texaco, Inc.								
Aztec-Navajo "A"	4 B	25-32N-18W	11-11-61	8 BO	5468 DF	1120		Gallup
Aztec-Navajo "A"	5 C	25-32N-18W	12-9-61	5 BO	5435 DF	1062	1037	Gallup
<u>SANTA FE COUNTY</u>								
Castle & Wigzell								
Kelly Fed.	1 M	11-20N-9E	11-6-61	P & A	6030	2703		

<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>
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TORRANCE COUNTY

Abernathy & Jones Dean	1 F	28-3N-9E	9-5-61	F & A	6795	4117		
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UNION COUNTY

B. H. & B. Oil Co. Hughes, A. B., Jr.	1 X J	33-22N-36E	10-11-61	F & A	4409 GR	1000		
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Gregg Oil Co. Witt	1 P	13-29N-35E	2-27-61	D & A		4283		
Northcutt	1 N	24-30N-36E	1-5-61	F & A	4550 GR	3887		
Harris	1 F	35-31N-36E	1-25-61	F & A	4555 KB	3639		