

BULLETIN 73

Petroleum Developments In New Mexico During 1959

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Includes subsurface completion data for wells drilled in 1959 and index to samples received in library at Socorro during the period 1958-1959.

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PART I

PRODUCTION AND DRILLING

Abstract

Petroleum is the most important mineral industry in New Mexico, providing slightly over 70 percent of the total value of all minerals produced in the State. The 1959 production of crude oil and distillate amounted to 104,946,969 barrels, an increase of almost 61 million barrels over the previous record high production of 98,514,926 barrels, set in 1958. Production of natural gas totaled 743,040,175,000 cubic feet, an increase of about 12 billion cubic feet over the previous record high year of 1958, when 726,236,763,000 cubic feet was produced. New Mexico ranks seventh in the production of crude oil and third in the production of natural gas in the United States.

Wells completed during the year numbered 2,103, an increase of 284 tests over 1958. The total footage drilled in the State increased only slightly to 8,724,066 feet in 1959, compared with 8,453,268 feet in 1958. The average depth per well decreased from 4,647 feet in 1958 to 4,148 feet in 1959.

Introduction

Petroleum is the most important mineral industry in New Mexico. It provides slightly over 70 percent of the total value of all minerals produced in the State. Based on figures from the U. S. Bureau of Mines Minerals Yearbook for 1959, the rank and percentage of total mineral value of the various minerals produced in New Mexico are as follows: 1. crude oil (50%); 2. natural gas (14%); 3. potash (12%); 4. uranium (9%); 5. natural gas liquids (6%); 6. copper (4%); 7. sand and gravel (2%); all others (3%). In addition, the total yearly value of petroleum produced in New Mexico is approximately the same as the combined value of all agricultural and manufactured products.

Because of the importance of the petroleum industry to the continued growth of New Mexico, the New Mexico Bureau of Mines and Mineral Resources, in addition to its geologic program, which aids in the exploration for new reserves of oil and gas, also maintains as complete records as possible on all wells drilled in the State. These records include a file card for each well, a library of well cuttings, electric logs, sample logs, and drillers logs. Although this material is preserved primarily for the benefit of those engaged in the exploration for oil and gas, it has become increasingly valuable in the study of the geology of New Mexico and thus is of inestimable aid in the exploration for other minerals, such as uranium, salt, potash, and water.

In order that the above information might be readily available to interested persons, the New Mexico Bureau of Mines and Mineral Resources has in the past published various circulars listing some of the data that are being preserved. This bulletin presents a summary of the petroleum developments during 1959, a record of the wells drilled during that year, and a supplement to the lists of wells from which samples have been preserved during the period from January 1, 1958 to January 1, 1960. As such it combines the data that previously were published in three separate circulars titled "Petroleum developments in New Mexico," "Subsurface completion data of wells drilled for oil and gas," and "Index to samples from oil and gas well tests in library at Socorro, New Mexico."

The first section of this bulletin consists of a summary of the drilling and production statistics for the year 1959. It includes data only from those wells completed during the year that were drilled for the purpose of discovering new reserves of

petroleum, or the extension or development of preexisting producing areas. Not included are injection wells drilled for secondary recovery operations or wells that had been completed prior to 1959 but were deepened or worked over in 1959, except where additional work has resulted in new discoveries. In the latter case, pertinent wells have been listed in a separate table (table 6) but, as noted above, have not been included in the statistical data on drilling.

In order to obtain the statistical data presented in Part I, wells completed during the year were classified into two main groups: exploratory or "wildcat" wells, and development wells. Exploratory tests combine three categories: (1) wells drilled more than 1 mile from a pool or field boundary or producing well at the time they were spudded; (2) wells drilled within 1 mile of a pool, field, or producing well, or within a pool or field boundary that test formations below the producing formation or formations of the pool, field, or producing well; and (3) wells drilled within 1 mile of, or within the boundary of, a preexisting pool, field, or producing well that discover a shallower oil or gas pay. Development wells include: (1) wells drilled within the preexisting horizontal limits of a field or pool that produce from, or bottom in or near, the established pay zone or zones; and (2) wells drilled within 1 mile of a pool or field boundary or discovery well that produce from the same formation or formations as the adjacent pool, field, or discovery well.

Part II contains a list of the wells completed during 1959, and for each well, where appropriate, such additional data as elevation, total depth, top of pay, initial production, treatment, and size and depth of the oil string. In the previous circulars published on subsurface completion data, the wells were listed by county, classification (development or exploratory), and finally in alphabetical order by company and lease. In some respects this was inadequate because it was difficult to find a particular well unless the pool name was known. In the present report, the wells are listed by county and then by section, township, and range, making it necessary only to know the location of the well in order to find its completion data.

Each well listed in Part II and in the tables in Part I is located by section, township, and range, and within the section by a unit letter that represents the 40-acre tract in which the well was drilled. The letters "A" through "P" designate 40-acre tracts within a standard section; thus "A" represents the NE* NE* location, "B" the NW*NE* location, and so on. For sections that are more than 1 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

Part III is a list of the wells for which cuttings were received at the New Mexico Bureau of Mines and Mineral Resources during the period from January 1, 1958 to January 1, 1960. This section is a supplement to New Mexico Bureau of Mines Circular 30, "Index to samples from oil and gas well tests in library at Socorro, New Mexico," by Robert A. Bieberman and Florence B. Crespin, and Circular 45, "Index to samples from oil and gas well tests in library at Socorro, New Mexico (January 1, 1955 to January 1, 1958)," by Robert A. Bieberman and Mary M. Dowdle.

It has been the practice of the New Mexico Bureau of Mines and Mineral Resources to maintain as representative a set of oil well samples as is possible under the existing space limitations. If samples are made available by the operator, the selection of well cuttings to be preserved is restricted to the following classes of wells: (1) all exploratory (wildcat) tests drilled in the State; (2) all wells drilled to the Gallup sandstone or deeper in the San Juan Basin; (3) in the southeastern producing area, all deep pool wells. In addition, all samples donated by companies or individuals are welcomed, subject to the above conditions; an attempt, however, is being made to increase the coverage of samples preserved from the southeastern area. Duplicates are not saved, but in all cases the most complete set of samples is selected.

Sample cuts from wells drilled in New Mexico are loaned free of charge¹ upon request by mail, telephone, or visit to the

1. In some cases, where a considerable number of samples are requested, the boxes are sent C.O.D.

sample library. The samples are loaned for a period of 60 days, which may be extended if the samples have not been requested by someone else. It is required that the samples be left intact so that they will be of no less value to the next user; this is particularly true of fossils. It is required, moreover, in the case of fossils that all data collected be made publicly available through the Bureau within a reasonable length of time, and that the specimens be returned to the appropriate sample interval. Samples may also be studied at the Bureau offices in Socorro, where complete facilities for such study are available.

TABLE 1. DRILLING STATISTICS, NEW MEXICO, 1959

County and area	Total wells	Oil	Gas	Dual completions	Triple completions	Dry	Percent successful	Total footage	Average depth
Chaves	132	68	1	1		62	53	382,225	2,896
Eddy	426	306	10	2		108	72	1,526,047	3,578
Lea	596	432	12	37	1	114	81	3,267,410	5,482
Roosevelt	14	10	1			3	79	135,750	9,696
Southeast Area	1,168	816	24	40	1	287	75	5,311,432	4,548
McKinley	6					6	0	24,675	4,112
Rio Arriba	256	14	158	61	1	22	91	1,198,551	4,681
Sandoval	17	2	5			10	41	32,313	1,900
San Juan	631	360	168	31		72	89	2,069,128	3,279
Northwest Area	910	376	331	92	1	110	88	3,324,667	3,654
Nonproducing counties	25*					25	0	87,967	3,519
State totals	2,103	1,192	355	132	2	422	80	8,724,066	4,148

* Catron (2), De Baca (4), Guadalupe (1), Lincoln (4), Mora (3), Quay (2), San Miguel (4), Sierra (1), Socorro (1), Union (1), Valencia (2).

Drilling Summary

Wells completed in 1959 numbered 2,103, an increase of 284 tests over 1958. In the number of well completions, New Mexico ranked seventh among the States, yielding only to Texas, Oklahoma, Kansas, Louisiana, Kentucky, and Illinois.

Oil tests were drilled in 19 of the 32 counties in the State (table 1). San Juan County led in the number of completed wells with 631, followed by Lea (596), Eddy (426), Rio Arriba (256), Chaves (132), Sandoval (17), Roosevelt (14), and McKinley (6). A total of 25 tests were drilled in 11 of the 24 nonproducing counties in the State. The southeast producing area of New Mexico, consisting of Lea, Eddy, Chaves, and Roosevelt Counties, led in the number of completions with 1,168 wells, as compared with 910 wells in the northwestern area of San Juan, Rio Arriba, Sandoval, and McKinley Counties.

Significant increases over 1958 in the number of well completions were recorded in San Juan County, with 492 completions in 1958 and 631 in 1959, Eddy County (309 vs. 426), and Chaves County (62 vs. 132). There were slight increases in drilling activity in Lea County (564-596), Sandoval County (13-17), and the nonproducing counties (22-25). The greatest decrease in number of wells drilled during the year was in Rio Arriba County, with a drop from 328 wells in 1958 to 256 in 1959. Other decreases were in McKinley County (13-6), and Roosevelt County (16-14).

The total footage drilled in the State increased slightly in 1959 to 8,724,066 feet from 8,453,268 feet in 1958. However, because of the considerable increase in the number of well completions, there was a decrease in the average depth per well from 4,647 feet in 1958 to 4,148 feet in 1959. The most marked increase in footage drilled was in Eddy County, where 1,017,079 feet was drilled in 1958 and 1,526,047 feet in 1959. This increase, plus the increases in the number of wells drilled and average depth per well (3,250 feet in 1958 vs. 3,578 feet in 1959), resulted from the active exploration of the Empire Abo pool with its deep pay zone of 5,500 to 6,000 feet. An increase in the total footage drilled was recorded also for San Juan County (1,940,654 feet in 1958 vs. 2,069,128 feet in 1959). The average depth per well decreased, however, from 3,952 feet in 1958 to 3,279 feet in 1959 because of the increased drilling in the Horseshoe area, where the pay zone (Gallup sandstone) occurs at a shallow depth.

TABLE 2. EXPLORATORY STATISTICS, 1959

County and area	Total wells	Oil	Gas	Dual completions		Dry	Percent success-ful	Footage drilled	Average depth
				Oil-oil	Gas-gas				
Chaves	54	5				49	9	175,709	3,253
Eddy	68	11	3	2		52	24	303,499	4,463
Lea	74	13	1	2	1	57	23	545,893	7,377
Roosevelt	5	3	1			1	80	49,496	9,899
Southeast Area	201	32	5	4	1	159	21	1,074,597	5,346
McKinley	6					6	0	24,675	4,112
Rio Arriba	25	6	10		2	7	72	139,155	5,566
Sandoval	6	1				5	17	12,755	2,129
San Juan	76	12	30		2	31	59	350,099	4,606
Northwest Area	113	19	40		4	49	57	526,684	4,661
Nonproducing counties	25*					25	0	87,967	3,519
State totals	339	51	45	4	5	233	31	1,689,268	4,995

*Catron (2), De Baca (4), Guadalupe (1), Lincoln (4), Mora (3), Quay (2), San Miguel (4), Sierra (1), Socorro (1), Union (1), Valencia (2).

TABLE 3. DEVELOPMENT STATISTICS, 1959

County and area	Total wells	Oil	Gas	Dual completions Oil-oil	Gas-gas	Triple completion	Dry	Percent successful	Total footage	Average depth
Chaves	78	63	1	1			13	83	206,516	2,648
Eddy	358	295	7				56	84	1,222,548	3,415
Lea	522	419	11	31	2	1*	57	89	2,721,517	5,214
Roosevelt	9	7					2	78	86,254	9,584
Southeast Area	967	784	19	31	3	1	128	86	4,236,835	4,381
Rio Arriba	231	8	148	1	5	1†	15	94	1,059,396	4,586
Sandoval	11	1	5				5	55	19,538	1,776
San Juan	555	348	138	13	15		41	93	1,719,029	3,097
Northwest Area	797	357	291	1	18	68	61	92	2,797,963	3,511
State totals	1,764	1,141	310	32	21	69	2	89	7,034,798	3,988

*Oil-gas-oil.

†Gas-gas-gas.

TABLE 4. OLDEST GEOLOGIC PERIOD TESTED*

County and area	T	K	J	R	P	IP	M	D	S	O	€	P€
Chaves					115			12		1		4
Eddy					411	5	3	5	2			
Lea					481	50	1	33	8	23		
Loosevelt						10		2				2
Southeast Area					1,007	65	4	52	10	24		6
McKinley			3	1	1							1
Milio Arriba		200	56									
Bandoval		16	1									
San Juan	1	531	94			2	1	1			1	
Northwest Area	1	747	154	1	1	2	1	1	1	1	1	1
Nonproducing counties		1	3		8	2				1		10
State totals	1	748	157	1	1,016	69	5	53	10	25	1	17

*Explanation of symbols: T-Tertiary; K-Cretaceous; J-Jurassic; R-Triassic; P-Permian; IP-Pennsylvanian; M-Mississippian; D-Devonian; S-Silurian; O-Ordovician; €-Cambrian; P€-Precambrian.

The only other county with an increase in footage drilled was Chaves, with 382,225 feet in 1959 compared with 230,811 feet in 1958. Well completions more than doubled in Chaves County as a result of development drilling in the Coyote-Queen pool discovered in 1958, and a considerable increase (23 to 54) in the number of exploratory tests drilled. Most tests explored only down to shallow Permian formations, and the average depth per well decreased from 3,723 feet in 1958 to 2,896 feet in 1959. In addition to Eddy County, there were increases in the average depth per well in McKinley (2, 513 feet in 1958 to 4,112 feet in 1959), Rio Arriba (4,642 feet to 4,681 feet), and Roosevelt (8,548 feet to 9,696 feet) Counties.

In the 4 producing counties of southeastern New Mexico, there was an increase in the total footage drilled from 4,805,721 feet in 1958 to 5,311,432 feet in 1959, but a decrease in the average depth per well from 5,053 feet to 4,548 feet. In the northwest area, even though there was an increase of 64 well completions, there was a decline in the total footage drilled and average depth per well from 3,551,670 feet and 4,198 feet in 1958 to 3,324,667 feet and 3,654 feet in 1959. A decrease in the total footage and average depth figures, compared with 1958, also occurred in the 11 nonproducing counties with drilling activity during the year. In 1958, 95,877 feet was drilled in 22 wells for an average depth of 4,358 feet, whereas in 1959, 87,967 feet was drilled in 25 tests for an average depth of 3,519 feet.

Of the 2,103 wells drilled in the State, only 180 were drilled into rocks of pre-Permian age, and 161 of these were located in southeastern New Mexico (table 4). However, 13 of the 25 wells drilled in nonproducing counties penetrated below Permian rocks, and 10 of these drilled into rocks of Precambrian age. Altogether, only 17 of the 339 exploratory tests penetrated the entire sedimentary section present down to the effective basement of Precambrian rocks. Eighty-four percent of the wells drilled in the producing counties of New Mexico tested only the principal geologic periods from which production is obtained; thus, in southeastern New Mexico, 1,007 of the 1,168 wells drilled in that area were completed in rocks of Permian age, and in northwestern New Mexico, 747 of the 910 wells drilled were completed in rocks of Cretaceous age. Except for the Cretaceous and Permian tests, the Pennsylvanian rocks were the most actively explored. The high number of completions in rocks of Jurassic age results from the common practice of drilling into the upper part of the Jurassic when testing the Dakota(?) sandstone, the basal Cretaceous unit in most of the San Juan Basin.

TABLE 5. EXPLORATORY DISCOVERIES, 1959

Well	Location	Comp. date	Total depth	Top of pay	Init. prod.*	Grav. A.P.I.	Prod. form.†	Pool (designated 1959)
CHAVES COUNTY								
R. L. Lusk, Jr.	H 17 10S 27E	11-15	1,190	1,142	P 5	35	Pq	
No. 1 Gulf State								
J. C. Williamson	A 1 12S 28E	7-22	8,140	8,132	F 389	46	D	White Ranch, West-Devonian
No. 1 White Ranch								
British American	B 27 14S 29E	7-23	10,360	10,222	F 312	55	D	King Camp-Devonian
No. 1 Honolulu								
G. W. Riley	P 9 15S 28E	2- 5	2,750	2,510	P 14	31	Psa	Windmill-San Andres
No. 1 State								
Texaco	C 32 15S 30E	10- 6	11,250	10,252	F 43	48	P	Little Lucky Lake-Pennsylvanian
No. 1 State "LLA" Shell								
EDDY COUNTY								
Standard of Texas								
No. 1 Lillian Coll	D 10 16S 31E	11-22	13,400	3,633	P 102	34	Pg	
Miller Bros.								
No. 1 Jackson	O 14 17S 25E	5-23	1,326	1,292	F 120	38	Psa	Eagle Creek-San Andres
Kincaid & Watson								
No. 1 Resler & Sheldon State	H 2 17S 28E	3- 2	2,230	1,567	F 20	36	Pq	
Gulf								
No. 1 Eddy State "AC"	L 36 18S 25E	6-11	9,283	8,998	1,100*		IP	
Ohio								
No. 1 Ralph Nix	J 29 18S 26E	12- 2	10,190	9,070	11,104*		IP	
Gordon Cone								
No. 1 Gorman State	C 36 19S 24E	7-17	6,100	5,741	F 54	45	Pw	Canyon-Wolfcamp
Taft McKee								
No. 1 Schenck	A 15 19S 26E	9-28	1,196	1,117	P 8	36	Pg	
Featherstone								
No. 1 Fryman State	F 21 19S 28E	9-30	2,538	1,038	P 40	35	Par	Millman, East-Seven Rivers
Western Yates								
No. 152 State Tr. 24	A 22 19S 28E	7-29	2,663	2,413	F 1,512	36	Psa	Millman, East-San Andres
J. I. O'Neill, Jr.								
No. 3 Federal "E"	H 1 19S 30E	7-28	3,141	2,582	F 51	?	Py	Culwin-Yates
Sun								
No. 1 Lucy English	F 20 19S 31E	11-23	3,581	2,123	P 53	33	Py	

Shell & Texas Crude No. 1-25 Big Eddy Unit	E 25 20S 31E	4- 8	7,605	2,481	P 38	21	Pt	Parallel-Tansill	
Shell & Texas Crude No. 1-30 Big Eddy Unit	P 30 20S 31E	5-16	7,356	2,179	P 44	20	Pt		
Humble	O 13 23S 23E	10- 5	12,262	9,782	1,800*	33	Pbc		
Texaco No. 1 Bandana Point Unit	O 24 24S 31E	6-23	8,545	7,184	P 25	35	Pbc	Bandana Point-Pennsylvanian	
Chapman No. 1 State	D 34 26S 28E	3- 4	2,514	2,512	P 22	?	Pd	Cotton Draw-Brushy Canyon Tecolote Peak-Delaware	
LEA COUNTY									
Atlantic No. 1-X-S. E. Anderson	J 30 9S 35E	5-26	10,025	4,846	P 192	17	Psa	Jenkins-San Andres	
Pure No. 1 Federal "D"	P 31 9S 36E	11-13	12,031	12,003	F 1,252	44	D		
J. L. Warren No. 1 Union State	D 8 10S 37E	10-22	5,046	4,945	P 50	?	Psa		
Santiago No. 1 State	B 30 12S 34E	2-17	13,103	10,218	F 288	45	IP	Hightower, East-Pennsylvanian	
Continental No. 27 Baish "A"	I 21 17S 32E	9-20	13,670	8,977	F 470	?	Pa	Baish-Abo	
Carper No. 1-A Federal "MA"	C 31 17S 33E	12-26	10,015	8,582	F 432	37	Pa	Baish-Pennsylvanian	
R. H. Smith No. 3 Walker Federal "A"	G 5 18S 32E	6-19	2,714	2,672	P 6	41	Py	Maljamar-Yates	
Bishop Canyon No. 1 Forest "A"	A 11 18S 38E	1- 7	5,112	4,880	P 30	34	Psa	Bishop Canyon-San Andres	
Cactus No. 1 Superior Federal	K 25 19S 34E	10-15	5,112	4,796	P 33	35	Pq	Pearl, West-Queen	
Cactus No. 2 Phillips State "C"	L 32 19S 35E	7-24	5,075	4,080	2,000*		Psr		
Shell No. 2 Record	G 35 19S 35E	12- 1	14,100	12,642	F 125	43	IP		

*Gas production in MCF.

† For explanation of symbols see page 18.

TABLE 5. EXPLORATORY DISCOVERIES, 1959 (continued)

Well	Location	Comp. date	Total depth	Top of pay	Init. prod.*	Grav. A.P.I.	Prod. form. †	Pool (designated 1959)
Sinclair No. 1 State Lea "886"	F 16 20S 33E	12- 5	3,325	3,220	P 586	30	Py	
W. A. & E. R. Hudson No. 1 Matlock Wilson	B 4 20S 34E	8-17	3,630	3,613	P 60	30	Py-Psr	San Miguel-Yates-Seven Rivers
No. 1 Wilson State	W 4 21S 34E	12-10	4,111	3,910	P 5	35	Py	
Trigg No. 1 Pan American Fed. Kelly	C 7 25S 36E	1-23	4,050	3,508	F 47	33	Pt	Custer-Tansill
Skelly No. 6 Hobbs "A"	E 30 25S 38E	8-12	8,325	5,837	F 318	38	Pyt	Justis-Tubb
Hill & Meeker No. 1 State	D 36 26S 32E	3-10	4,689	4,604	F 192	40	Pd	El Mar-Delaware
ROOSEVELT COUNTY								
Brown & George No. 1 Federal	K 33 7S 37E	10- 4	8,762	8,022	F 2,552* +92 BD	76	Pw	
Atlantic No. 1 Love Federal	N 8 8S 36E	3-29	10,000	4,858	P 12	33	Psa	Prairie-San Andres
Roden No. 1 Federal Selman	P 24 8S 36E	12- 3	9,714	9,632	F 216	?	IP	
Ohio No. 1 Federal McGrail	F 20 8S 37E	1-11	12,125	3,490	F 710	47	IP	Bluitt-Pennsylvanian
RIO ARriba COUNTY †								
Magnolia No. 1 Evans Federal	M 18 23N 1W	6-24	3,074	2,997	778*		Kpc	
Reese et al. No. 1 Vandenburg	M 11 23N 7W	12-26	5,775	5,412	156	40	Kg	
Magnolia No. 1 Hooten	D 12 24N 1W	5- 7	2,630	2,515	1,463*		Kpc	
Johnson-Sheer No. 1 Jicarilla	M 1 24N 4W	3- 7	7,695	7,504	1,914*		Kd(?)	
Johnson-Sheer No. 3 Jicarilla	A 9 24N 4W	4-28	7,425	7,030	182	42	Kd(?)	

Skelly No. 2 Farming "E"	B 2 24N 6W	1-6	5,890	5,600	91	41	Kg
Skelly No. 1 Mexico Federal "A"	I 10 24N 6W	6-6	6,750	5,566 6,475	95 899*	41	Kg Kd(?)
Redfern & Herd No. 1 Large Spur Reese et al.	J 18 24N 6W	7-25	6,650	5,470	6,517*		Kg
No. 1 Sperlmg	I 30 24N 6W	12-5	6,524	5,280 6,402	242 694*	40	Kg Kd(?)
Continental No. 2 Jicarilla-Apache	M 20 25N 4W	3-29	7,020	6,860	67	40	Kg
Continental No. 1 Jicarilla-Apache	J 28 25N 4W	9-20	7,650	7,350	240	45	Kd(?)
El Paso Natural Gas No. 69 CLU	I 15 25N 6W	3-26	3,586	3,400	2,238*		Kc
El Paso Natural Gas No. 32 Federal "E"	C 32 26N 2W	6-5	3,967	3,894	2,237*		Kpc
Southern Union Gas No. 1 Jicarilla "F"	L 27 26N 4W	12-14	8,350	8,182	80	?	Kd(?)
Caulkins No. MD-224 Breech "C"	A 14 26N 6W	9-12	7,616	7,294	2,261*		Kd(?)
La Plata No. 1-32 SJU "32-5"	N 32 32N 5W	8-6	5,975	5,588	3,835*		Kmv
La Plata No. 1-26 SJU "32-5"	C 26 32N 6W	5-18	5,801	5,319	1,272*		Kmv
Turner No. 34 Rosa Unit	B 36 32N 6W	6-13	6,149	5,758	2,955*		Kmv
SANDOVAL COUNTY							
Harvey No. 1 Harvey Federal "A"	J 21 18N 3W	4-20	918	?	F 41	35	Kmv San Luis-Mesaverde
SAN JUAN COUNTY †							
Western No. 1 Stephenson	G 17 25N 8W	9-18	6,705	6,334	260	39	Kd(?)
B-M-G No. 1 Pilgrim	M 35 25N 8W	3-13	7,268	7,029	17	42	Kd(?)
Brannon No. 1 Federal	A 28 25N 9W	11-20	6,498	6,344	1,993*		Kd(?)

*Gas production in MCF.

† For explanation of symbols see page 18.

‡ Important discoveries only listed.

TABLE 5. EXPLORATORY DISCOVERIES, 1959 (continued)

Well	Location	Comp. date	Total depth	Top of pay	Init. prod. #	Grav. A.P.I.	Prod. form. †	Pool (designated 1959)
Delhi-Taylor								
No. 2 Navajo	D 28 26N 11W	10-18	6,140	5,958	4,050*		Kd(?)	
Kingwood								
No. 1 Knauff	A 13 27N 10W	3- 7	6,710	6,543	227*		Kd(?)	
Campbell								
No. 1 Federal Tonkin	P 23 27N 12W	1- 3	6,257	6,074	4,921*		Kd(?)	
B-M-G								
No. 2 Jones	J 17 28N 13W	9-24	5,722	5,623	132	39	Kg	
Gulf								
No. 2 Amarillo Navajo	A 22 28N 14W	5- 1	5,904	5,140	52	39	Kg	
Tennessee Gas								
No. 8 Callow	O 27 29N 13W	7- 7	6,030	5,185	506	41	Kg	
				5,764	3,010*		Kd(?)	
Sunray Mid-Continent								
No. 1 New Mexico Federal "K"	A 6 29N 14W	6-24	5,680	5,412	659*		Kd(?)	
Pan American								
No. 1 Navajo "C"	D 1 29N 17W	3-28	7,026	6,366	9,000*		IPp	
Universal								
No. 2 Navajo	G 17 29N 18W	4- 1	100	75	2	48	Kg	Shiprock-Gallup
International								
No. 1 Fogelson	P 27 30N 11W	9-20	7,080	6,772	1,254*		Kd(?)	
Standard of Texas								
No. 1 Federal 12-5	N 5 31N 13W	3-22	6,200	5,347	245	40	Kg	

*Gas production in MCF.

† Explanation of symbols: Kpc-Pictured Cliffs; KmV-Mesaverde; Kc-Chacra; Kg-Gallup; Kd(?) -Dakota(?); Pt-Tansill; Py-Yates; Psr-Seven Rivers; Pq-Queen; Pg-Grayburg; Psa-San Andres; Pyt-Tubb; Pd-Delaware; Pbc-Delaware; Pbc-Brushy Canyon; Pw-Wolfcamp; Pa-Abo; P-Pennsylvanian; IPp-Paradox; D-Devonian.

A compilation of the wells completed in 1959 shows that there were 1,764 development wells and 339 exploratory tests drilled. Eighty-nine percent of the development wells, 31 percent of the exploratory tests, and 80 percent of all the wells drilled were successfully completed (tables 1-3). Forty-three percent of the wells drilled in the State were engaged in development drilling in only 15 pools. These pools and the number of completions for each pool are as follows: Horseshoe-Gallup (228); Langlie Mattix (120); Bisti-Gallup (66); Empire-Abo (64); Blanco, South-Pictured Cliffs (38); El Mar-Delaware (36); Square Lake (36); Grayburg Jackson (34); Millman, East-Queen-Grayburg (31); and Blanco-Mesaverde (30). Exploratory discoveries for each county are listed in Table 5, and new discoveries resulting from additional work during 1959 on wells completed previously are given in Table 6. In Rio Arriba and San Juan Counties, where 72 and 59 percent respectively of the exploratory wells were successful, only the more significant discoveries are listed.

TABLE 6. EXPLORATORY DISCOVERIES, 1959
 (Old wells worked over or drilled deeper)

Well	Location	Re-comp.	Total depth	Top of pay	Init. prod.*	Grav. A.P.I.	Prod. form. †	Pool (designated 1959)
CHAVES COUNTY								
Copeland								
No. 1 Franklyn (OWWO)	N 35 14S 27E	12-18	9,983	2,030	P 40	34	Psa	
EDDY COUNTY								
Pan American								
No. 1 Werthiem (OWWO)	I 34 19S 25E	6- 5	10,486	9,442	357*		IP	
LEA COUNTY								
Amerada								
No. 2 Ward (OWWO)	I 11 13S 38E	5- 7	11,871	10,939	205	?	M	Bronco-Mississippian
Yates								
No. 1 Sweeney Federal (OWWO)	G 25 18S 32E	3- 9	9,593	6,860	F 120	37	Pd	Querecho Plains-Delaware
Shell								
No. 2 Querecho Plains (OWWO)	N 27 18S 32E	4-12	14,330	8,538	F 193	39	Pbs	Querecho Plains-Bone Springs
Ohio								
No. 1 State (OWWO)	N 9 19S 38E	11-30	4,812	3,185	500*		Psr	
Continental								
No. 9 Britt "B-15" (OWWO)	J 15 20S 37E	4-23	8,536	6,474	14,600*		Pyt	Wier-Tubb
Amerada								
No. 1 State "Q" (OWDD)	J 16 20S 37E	6- 9	6,938	6,455	P 78	36	Pyt	Monument-Tubb
Gulf								
No. 13 Leonard NCT-F (OWWO)	B 2 21S 37E	6- 8	5,995	5,620	13	?	Pgp	Paddock, North-Paddock
Skelly								
No. 7 Simms (OWWO)	K 3 23S 37E	7- 1	10,204	5,553	14	?	Pyb	
Gulf								
No. 1 Travis (OWWO)	I 21 23S 37E	9-16	9,662	9,412	2,602*		Pa	
Pan American								
No. 3 South Mattix Unit (OWWO)	B 22 24S 37E	2-12	10,507	7,180	F 90	?	S	
Gulf								
No. 5 McBuffington (OWWO)	J 13 25S 37E	7- 1	8,300	4,940	25	?	Pgp	Justis-Paddock

*Gas production in MCF.

† Explanation of symbols: Psr-Seven Rivers; Psa-San Andres; Pd-Delaware; Pyb-Blinebry; Pyt-Tubb; Pbs-Bone Springs; Pgp-Paddock; Pa-Abo; P-Pennsylvanian; M-Mississippian; S-Silurian.

Production Summary

The 1959 production of crude oil and distillate in New Mexico amounted to 104,946,969 barrels, an increase of almost 61 million barrels over the previous record high of 98,514,926 barrels produced in 1958. Approximately 43 percent of the oil produced was obtained from only 10 of the 277 oil pools in the State. Table 8 lists the 10 largest pools in the State based on 1959 production figures, together with the production and discovery year of each pool. New Mexico ranks seventh in the production of oil in the United States behind Texas, Louisiana, California, Oklahoma, Wyoming, and Kansas. New Mexico is the source of about 4 percent of the oil produced in the United States.

Within the State, Lea County continued to lead in the production of oil, accounting for 74 percent of the total oil produced (table 7). Production in this county continued, however, to decline from the record high of 81,405,720 barrels established in 1957 and the total of 79,500,751 barrels recorded for 1958, to 78,043,132 barrels in 1959. In the remaining producing counties there were increases in production, the largest gain being in San Juan County (13,078,427 barrels in 1959 vs. 7,878,549 barrels in 1958). This was the second year in a row that production in San Juan County increased by more than 5 million barrels.

Production of natural gas in 1959 totaled 743,040,175,000 cubic feet, an increase of about 12 billion cubic feet over the previous record high year of 1958, when 726,236,763,000 cubic feet was produced. New Mexico ranks third in the production of natural gas in the United States behind Texas and Louisiana, supplying a little over 6 percent of the United States total. Sixty-seven percent of the gas produced in New Mexico came from the 10 pools listed in Table 9.

Lea County continued to lead in the production of dry and casinghead gas, with slightly over 50 percent of the total gas produced in the State (table 7), although production declined in the county by almost 13 billion cubic feet from the high set in 1958 of 415,997,412,000 cubic feet to 403,267,576,000 cubic feet in 1959. Significant increases in production over 1958 levels were recorded in San Juan County (almost 20 billion cubic feet) and Rio Arriba County (over 6 billion cubic feet).

Up to January 1, 1960, there were 28 oil pools in New Mexico that had produced over 10,000,000 barrels of oil each,

and 21 gas pools that had produced over 50 billion cubic feet of gas. These pools, in order of total production, are listed in Tables 10 and 11. Of the 28 oil pools, 19 produce from rocks of Permian age, 4 from the Devonian, 3 from the Ordovician, 1 from the Pennsylvanian, and 1 from the Cretaceous. With the exception of the Bisti-Gallup pool, all the pools are located in the southeastern producing area. Almost one-fifth of all the oil that had been produced in the State up to January 1, 1960 came from the Eunice Monument pool in Lea County. This pool ranked third in production in 1959. Of the 21 gas pools listed in Table 11, 13 produce from rocks of Permian age, 6 from the Cretaceous, 1 from the Pennsylvanian, and 1 from the Ordovician. Seven of the gas pools, including the Pennsylvanian pool, are located in the northwestern producing area.

The total production of oil, gas, and water (produced with oil) by geologic period up to January 1, 1960 is given in Table 12. Over 78 percent of the total oil production has come from rocks of Permian age. The remaining 22 percent has come from the Devonian (11%), Ordovician (4 . 5%), Pennsylvanian (3%), Cretaceous (3%), and Silurian, Mississippian, and Jurassic (0.5%). There has been no reported oil production from rocks of Quaternary, Tertiary, Triassic, Cambrian, or Precambrian age in New Mexico.

The cumulative production of natural gas in New Mexico to January 1, 1960 was approximately 81 trillion cubic feet. Seventy-five percent of this gas has come from rocks of Permian age and 19 percent from rocks of Cretaceous age. The remaining 6 percent has come principally from rocks of Pennsylvanian, Ordovician, and Devonian age. Some production has also been obtained from Silurian, Mississippian, and Jurassic rocks.

TABLE 7. OIL AND GAS PRODUCTION BY COUNTY, AREA, AND STATE, 1959*

County and area	Crude oil and distillate (bbl)	Dry gas and casing-head gas (cu ft)
Chaves	4,092,514	2,180,003,000
Eddy	8,098,103	15,118,941,000
Lea	78,043,132	403,267,576,000
McKinley	115,031	—
Rio Arriba	1,054,406	119,817,437,000
Roosevelt	448,806	600,706,000
Sandoval	16,550	7,866,000
San Juan	13,078,427	202,047,646,000
Southeast Area	90,682,555	421,167,226,000
Northwest Area	14,264,414	321,872,949,000
State totals	104,946,969	743,040,175,000

*Data modified from Monthly Statistical Reports of the New Mexico Oil Conservation Commission.

TABLE 8. LARGEST OIL POOLS IN STATE
 BASED ON 1959 PRODUCTION*

Pool	Production (bbl)	Discov- ery year
Gladiola-Devonian	6,805,602	1950
Bisti-Gallup	6,393,759	1955
Eunice Monument-Grayburg-San Andres	5,640,970	1929
Denton-Devonian	5,547,143	1949
Caprock-Queen	5,162,641	1940
Horseshoe Canyon-Gallup	3,482,580	1957
Hobbs-Grayburg-San Andres	3,396,173	1928
Vacuum-Grayburg-San Andres	3,277,001	1929
Eumont-Yates-Seven Rivers-Queen	2,784,479	†
Maljamar-Grayburg-San Andres	2,657,104	1926

*Data from Annual Report of the New Mexico Oil and Gas Engineering Committee, 1959.

†By order of the New Mexico Oil Conservation Commission.

TABLE 9. LARGEST GAS POOLS IN STATE
BASED ON 1959 PRODUCTION*

Pool	Production (MCF)	Discov- ery year
Blanco-Mesaverde	166,797,128	1927
Jalmat-Yates-Seven Rivers	81,662,315	†
Eumont-Yates-Seven Rivers-Queen	66,809,999	†
Blanco, South-Pictured Cliffs	47,481,457	1951
Langlie Mattix-Yates-Seven Rivers- Queen	30,449,709	1929
Eunice Monument-Grayburg-San Andres	27,812,439	1929
Blinebry-Yeso	21,814,801	1945
Drinkard-Yeso	20,957,555	1944
Ballard-Pictured Cliffs	16,845,911	1953
Eunice, South-Seven Rivers-Queen	14,801,288	1951

*Data from Annual Report of the New Mexico Oil and Gas Engineering Committee, 1959.

†By order of the New Mexico Oil Conservation Commission.

TABLE 10. POOLS THAT HAVE PRODUCED OVER 10 MILLION BARRELS OF OIL*
(Cumulative to Jan. 1, 1960)

Rank	Pool	Discovery year	Cumulative production (bbl)
1.	Eunice Monument-Grayburg-San Andres	1929	246, 271, 953
2.	Hobbs-Grayburg-San Andres	1928	163, 421, 892
3.	Vacuum-Grayburg-San Andres	1929	88, 301, 670
4.	Langlie Mattix-Yates-Seven Rivers-Queen	1929	52, 201, 160
5.	Denton-Devonian	1949	51, 691, 630
6.	Jalmat-Yates-Seven Rivers	†	50, 981, 657
7.	Drinkard-Yeso	1944	48, 303, 572
8.	Eumont-Yates-Seven Rivers-Queen	†	46, 919, 968
9.	Grayburg Jackson-Grayburg-San Andres	1929	42, 186, 364
10.	Maljamar-Grayburg-San Andres	1926	39, 482, 544
11.	Brunson-Ellenburger	1945	24, 870, 032
12.	Gladiola-Devonian	1950	23, 482, 779
13.	Arrowhead-Queen-Grayburg	1938	22, 587, 023
14.	Caprock-Queen	1940	21, 436, 208
15.	Denton-Wolfcamp	1950	18, 162, 980

16.	Loco Hills-Grayburg-San Andres	1939	17, 513, 798
17.	Saunders-Permian-Pennsylvanian	1950	15, 740, 084
18.	Eunice, South-Seven Rivers-Queen	1930	15, 119, 361
19.	Hare-Simpson	1947	13, 648, 219
20.	Bagley-Silurian-Devonian	1949	13, 335, 675
21.	Bisti-Gallup	1955	13, 161, 339
22.	Townsend-Wolfcamp	1952	12, 567, 686
23.	Penrose Skelly-Queen-Grayburg	1936	12, 544, 817
24.	Paddock-Glorieta	1945	12, 386, 415
25.	Caprock, East-Devonian	1951	11, 782, 752
26.	Warren-McKee	1948	11, 497, 568
27.	Artesia-Grayburg-San Andres	1923	11, 189, 449
28.	Lovington-Abo	1951	11, 101, 384

*Data from Annual Reports of the New Mexico Oil and Gas Engineering Committee.

†By order of the New Mexico Oil Conservation Commission.

TABLE 11. DRY GAS AND CASINGHEAD GAS POOLS FROM WHICH OVER
50 MILLION MCF OF GAS HAS BEEN PRODUCED*
(Cumulative to Jan. 1, 1960)

Rank	Pool	Discovery year	Cumulative production (MCF)
1.	Jalmat-Yates-Seven Rivers	†	1,936,458,719
2.	Eunice Monument-Grayburg-San Andres	1929	1,284,585,974
3.	Blanco-Mesaverde	1927	1,008,017,824
4.	Eumont-Yates-Seven Rivers-Queen	†	791,267,472
5.	Langlie Mattix-Yates-Seven Rivers-Queen	1929	532,921,584
6.	Drinkard-Yeso	1944	261,758,442
7.	Eunice, South-Seven Rivers-Queen	1930	205,827,988
8.	Blanco, South-Pictured Cliffs	1951	160,653,922
9.	Tubb-Yeso	†	154,523,907
10.	Penrose Skelly-Queen-Grayburg	1936	142,773,102
11.	Blinebry-Yeso	1945	141,292,679
12.	Fulcher Kutz-Pictured Cliffs	1927	113,611,124
13.	Vacuum-Grayburg-San Andres	1929	102,555,700

14.	Arrowhead-Queen-Grayburg	1938	97,962,177
15.	Barker Creek-Paradox	1945	95,188,193
16.	Brunson-Ellenburger	1945	90,761,200
17.	Ballard-Pictured Cliffs	1953	76,340,900
18.	Maljamar-Grayburg-San Andres	1926	64,070,559
19.	Kutz, West-Pictured Cliffs	1950	63,326,816
20.	Grayburg Jackson-Grayburg-San Andres	1929	60,327,724
21.	Aztec-Pictured Cliffs	1941	54,929,790

*Data from Annual Reports of the New Mexico Oil and Gas Engineering Committee.

†By order of the New Mexico Oil Conservation Commission.

TABLE 12. OIL, GAS, AND WATER PRODUCTION IN NEW MEXICO BY GEOLOGIC PERIOD*
(Cumulative to Jan. 1, 1960)

Geologic period	Year disc.	Crude oil and distillate (bbl)	Aver. grav.	Natural gas (MCF)	Water produced with oil (bbl)
Quaternary	—	0	—	0	—
Tertiary	—	0	—	0	—
Cretaceous	1911	41,654,155	48	1,616,839,645	2,212,086
Jurassic	1953	18,218	33	4,228	—
Triassic	—	0	—	0	—
Permian	1909	1,092,160,771	35	6,407,772,324	874,984,709
Pennsylvanian †	1929	42,631,932	46	206,115,525	20,929,375
Mississippian	1949	39,625	43	43,396	23,394
Devonian ‡	1948	159,099,063	48	111,734,689	122,012,851
Silurian	1947	4,087,374	40	4,560,515	3,090,387
Ordovician	1945	64,936,069	43	169,189,928	14,130,480
Cambrian	—	0	—	0	—
Precambrian	—	0	—	0	—
Totals		1,404,627,207		8,516,260,250	1,037,383,282

*Data modified from Annual Reports of the New Mexico Oil and Gas Engineering Committee and other sources.

† More than half of the oil production within the State comes from rocks of either Pennsylvanian or Permian age.

‡ Includes 28 million barrels from rocks of either Devonian or Silurian age.

PART II

SUBSURFACE COMPLETION DATA

ABBREVIATIONS

Af	Acidfrac	P	Pumped
BO	Barrels oil	P & A	Plugged and abandoned
CO	Cleaned out	PB	Plugged back
Dist	Distillate	Perfs	Perforations
D & A	Dry and abandoned	R/A	Regular acid
F	Flowed	Sf	Sandfrac
g	Gallons	SOF	Sand-oil frac
Of	Oilfrac	Swb	Swabbed
OH	Open hole	SWF	Sand-water frac
M/A	Muriatic acid	TA	Temporarily abandoned
MCF	Thousand cubic feet	Wf	Waterfrac
J & A	Junked and abandoned	Df	Dolomite frac

<u>COMPANY</u> <u>LEASE</u>	<u>WELL</u> <u>UNIT</u>	<u>SEC.-T.-R.</u> <u>DATE</u>	<u>COMP.</u> <u>TEST</u>	<u>INIT.</u> <u>PROD.</u> <u>TEST</u>	<u>ELEV.</u>	<u>TOTAL</u> <u>DEPTH</u>	<u>TREATMENT</u> <u>INTERVAL</u>	<u>OIL STRING</u> <u>SIZE</u> <u>DEPTH</u>
<u>CATRON COUNTY</u>								
Spanel & Heinze								
Santa Fe Pacific "9609"	1 D	19- 4N- 9W	11-29-59	P & A	7411	1700		
Santa Fe Pacific "9617"	1 H	27- 4N-11W	9-23-59	P & A	7401	5394		
Samedan Oil								
Smith Ranch	1 D	26- 6S-27E	5-21-59	P & A	4107	6732		
Angle, Clarence								
Faircloth, Everan "B"	1 P	32- 7S-27E	8- 7-59	F 39 BO	4016	1980	Sf 27,000 g 1926-1970	4-1/2 1984
Intex Oil								
Magnolia Federal "24"	1 O	24- 7S-29E	12- 8-59	P & A	4109	8370		
Hammon, Wilson P., & Son								
McIntyre State	1 E	4- 8S-27E	10- 1-59	P 5 BO	3976	1979	Sf 18,900 OH 1938-75	4-1/2 1938
Blair Steele et al.								
State	1 E	8- 8S-27E	12- 7-59	P & A	4025	1998		
Westwater								
Superior State "C"	1 M	22- 8S-27E	11-12-59	P & A	3868	1162		
Hamon, Jake L.								
Salisbury, N.	1 F	6- 8S-29E	11-27-59	P & A	4028	7390		
Oliver, Donald M.								
Amerada State	1 D	15- 8S-32E	7-15-59	P & A	?	4186		
Rutter & Wilbanks								
Amerada State	1 E	21- 8S-32E	12-20-59	P & A	?	145		
Holmes, Roger L.								
State	1 A	36- 9S-26E	12- 3-59	P & A	3844	970		
Westwater								
Superior State "A"	1 O	3- 9S-27E	10-19-59	P & A	?	1161		
Superior State "B"	1 A	8- 9S-27E	11- 5-59	P & A	?	1074		
Superior State	1 N	22- 9S-27E	10- 9-59	P & A	?	1208		
<u>CHAVES COUNTY</u>								

Allison, Fred M.	1 I	30-96-27E	10-31-59	P & A	?	1326	
Phillips State							
Kelly, John M.	1 M	20-96-28E	6-28-59	P & A	3858	2405	
White Ranch							
Peters Drilling	1 O	11-108-26E	12-21-59	P & A	?	878	
State "pp"							
Kelly, John M.	1 O	22-108-26E	12-7-59	P 10 BO	3720	725	Sf 20,000 g 666-98 4-1/2 722
Brown Elk							
Peters Drilling	1 N	22-108-26E	11-1-59	P & A	3697	662	
Elk State	2 H	26-108-26E	4-9-59	P 10 BO	3731	833	Sf 20,000 g + R/A 250 777-94 4-1/2 833
Chaves State "P"							
Brunner, Ross	1 N	9-108-27E	8-21-59	P & A	?	1179	
Pen American State							
Lusk, R. L., Jr.	1 H	17-108-27E	11-15-59	P 5 BO	3917	1190	Sf 16,400 g 1142-78 4-1/2 1189
Gulf State							
Brunner, Ross	1 D	28-108-27E	8-28-59	P & A	3794	1069	
Samedan State							
Warren, Jess L.	1 O	32-108-27E	8-27-59	P & A	?	980	
Champlin State							
Marshall, William S.	2 J	34-108-27E	12-16-59	T A	3781	1127	
White Ranch							
Voltz, M. R.	1 H	34-108-27E	11-23-59	P & A	?	1140	
White, Lou T., et al.	1 M	19-108-28E	11-13-59	P & A	?	1250	
White "19"							
Cosden Petroleum	1 B	34-108-30E	7-13-59	P & A	4111	10765	
Federal "A"							
Cities Service	1 M	20-111S-25E	8-13-59	P & A	3536	959	
Nelson							
Harris Drilling	1 E	15-111S-26E	12-18-59	P & A	3496	1204	
Dekalb Federal "15"							
War-Tex Exploration	1 D	15-111S-26E	2-11-59	P & A	3530	1747	
Dekalb Federal "15"							
Peters Drilling	2 P	8-111S-27E	12-12-59	P & A	3681	808	
Hinkle Federal "A"							

NEW MEXICO BUREAU OF MINES & MINERAL RESOURCES

COMPANY LEASE	WELL UNIT	SEC.-T.-R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TREATMENT INTERVAL	OIL STRING SIZE DEPTH
McAlester Fuel State "IN"	1 N	10-11S-27E	10-31-59	P 4 B0	3675	928	Sf 20,660 g 849-94	4-1/2 928
Whaley, Inc. State "A"	3 P	10-11S-27E	10-15-59	P 52 B0	3712	1006	Sf 39,900 g 904-73	7 1006
State "A"	4 O	10-11S-27E	10-28-59	P 26 B0	3688	962	Sf 32,550 g 886-936	7 968
Texaco, Inc. New Mexico "AM NCT-2"	2 N	11-11S-27E	12-12-59	P 25 B0	3709	1059	Sf 20,000 g 960-1010	5-1/2 1059
Whaley, Inc. State "A"	1 M	11-11S-27E	10-2-59	P 62 B0	3713	1029	Sf 42,000 g 934-84	7 1017
State "A"	2 K	11-11S-27E	11-5-59	P 39 B0	3725	1039	Sf 35,280 g 960-1013	7 1034
Brunner, Ross Honolulu State	2 C	14-11S-27E	11-1-59	P 36 B0	3725	1079	Sf 37,958 g 970-1023	4-1/2 1079
Hanson, Waters, & Williamson Levick State "C"	1 M	15-11S-27E	4-16-59	F 45 B0	3711	950	Sf 25,914 g 869-935	4-1/2 950
Levick State "C"	2 L	15-11S-27E	7-26-59	F 36 B0	3692	918	Sf 29,400 g 842-907	4-1/2 918
Levick State "C"	3 K	15-11S-27E	7-26-59	P 37 B0	3712	966	Sf 29,400 g 873-935	4-1/2 966
Levick State "C"	4 F	15-11S-27E	8-4-59	F 37 B0	3697	932	Sf 29,400 g 853-923	4-1/2 932
Levick State "D"	1 G	15-11S-27E	7-28-59	F 38 B0	3700	964	Sf 29,400 g 883-954	4-1/2 964
Hanson State "A"	1 P	16-11S-27E	8-3-59	F 36 B0	3704	927	Sf 29,400 g 848-909	4-1/2 927
Hanson State "A"	2 I	16-11S-27E	8-4-59	F 37 B0	3699	927	Sf 29,400 g 832-893	4-1/2 927
Peters Drilling Hanson State	2 O	16-11S-27E	7-1-59	F 60 B0	3701	925	Sf 25,000	4-1/2 925
Hinkle Federal	1 N	17-11S-27E	11-17-59	P 2 B0	3694	821	Sf 21,050 g 734-94	4-1/2 812
Eide, Harold, Jr. Gorman Federal	2 O	19-11S-27E	12-9-59	P & A	?	800		
Hinkle Federal	1 I	20-11S-27E	11-22-59	P & A	3707	885		
Peters Drilling Kelly Federal	1 C	20-11S-27E	11-9-59	P 3 B0	3688	1801	Sf 37,800 g 749-800	4-1/2 830
Hanson, Ernest A. Levick State	1 B	21-11S-27E	2-10-59	F 43	3701	918	Sf 21,000 g + R/A 1000 834-97	4-1/2 918

Hanson, Waters & Williamson										
Levick State "B"	2 A	21-11S-27E	4-12-59	F 43 B0	3710	931		Sf 27,300 g	854-918	4-1/2 938
Levick State "B"	4 G	21-11S-27E	3-26-59	P & A	3716	949				
Pan American State "A"	1 C	22-11S-27E	5- 2-59	P 43 B0	3706	955		Sf 31,500 g + M/A 250		4-1/2 954
								898-948		
Woods, G. K., et al.										
Levick State	1 M	23-11S-27E	9-18-59	P & A	3762	1078				
Spears, Wayne J.										
Spears State	1 C	28-11S-27E	8- 1-59	F 40 B0	3719	922		Sf 26,964 g + M/A 100		4-1/2 922
								840-74		
Spears State	2 B	28-11S-27E	8-15-59	P 38 B0	3713	915		Sf 27,930 g + M/A 500		4-1/2 915
								851-87		
Eide, Harold, Jr.										
Gorman Federal	1 P	30-11S-27E	7- 1-59	P & A	3675	796				
Spears, Wayne J.										
Cuccia State	1 G	32-11S-27E	10-10-59	P & A	?	836				
Marshall, William S.										
White Ranch	1 M	6-11S-28E	9- 9-59	P & A	?	1106				
Brunner, Ross										
White Ranch	1 I	8-11S-28E	12- 7-59	P & A	3689	1248				
Ohio Oil										
State "WR"	1 P	36-11S-28E	11-25-59	P & A	3705	8465				
Trigg, John H.										
Federal "BT 28"	1 G	28-11S-30E	4- 8-59	P & A	3972	3445				
Holmes, Roger L.										
Levick Federal	1 I	4-12S-27E	7-20-59	P & A	?	966				
Smith, Raymond										
Levick Federal	1 E	4-12S-27E	4- 1-59	P & A	3681	845				
G M K Oil										
Humble Federal	1 E	5-12S-27E	11-30-59	P & A	3684	844				
Eide, Harold, Jr.										
Harris Calumont Ranch	1 A	17-12S-27E	7-23-59	P & A	3661	860				
Williamson, J. C.										
White Ranch	1 A	1-12S-28E	7-22-59	F 389 B0	3795	8140		M/A 500 OH 8128-40		5-1/2 8128
Union Oil of California										
Waller, W. F. "27"	1 F	27-12S-28E	11- 4-59	P & A	3610	8360				

COMPANY LEASE	WELL UNIT	SEC.-T.-R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TREATMENT INTERVAL	OIL STRING SIZE DEPTH
Williamson, J. C.								
White Ranch	2 D	6-12S-29E	12-31-59	P & A	3693	8166		
Sohio Federal	1 F	19-12S-29E	12-26-59	P & A	3753	8928		
Sohio Petroleum								
Monterey Federal	1 M	27-12S-30E	8- 9-59	P & A	3938	10460		
McAdams, J. F.								
Graham, Hugh	1 E	23-12S-31E	10-27-59	P & A	4439	2991		
Trigg, John H.								
Chaves Federal "14"	3 I	14-13S-27E	11-20-59	P & A	3573	812		
Chaves Federal "24"	2 J	24-13S-27E	11- 3-59	P & A	3599	1068		
Fasken, David								
Honolulu Federal	1 E	34-13S-27E	11-28-59	P & A	3499	2614		
Waters, Williamson, & Denison								
Hinkle Federal	1 B	15-13S-30E	10-29-59	P & A	3937	2526		
Ambassador Oil								
No. Caprock Queen	1 A	1-13S-31E	3-23-59	P 5 B0	4395	3024	M/A 250 g OH 3011-24	5-1/2 3011
Great Western Drilling								
State "RR"	1 E	1-13S-31E	10-21-59	P 76 B0	4411	3047	Sf 7,500 g OH 3027-47	5-1/2 3027
State "VV"	2 D	1-13S-31E	7-30-59	P 35 B0	3005	3038	Sf 7,500 g + R/A 500 3029-38	4-1/2 3029
State "P"	2 O	2-13S-31E	6- 4-59	P 52 B0	4418	3057	Sf 7,500 g OH 3037-57	5-1/2 3037
State "P"	3 I	2-13S-31E	6- 4-59	P 60 B0	4413	3064	Natural OH 3032-64	5-1/2 3032
State "PP"	1 J	2-13S-31E	7- 2-59	P 52 B0	4115	3053	Sf 8,000 g + M/A 500 3035-53	4-1/2 3035
State "QQ"	1 C	2-13S-31E	10- 7-59	P 2 B0	4423	3030	Natural OH 3010-30	5-1/2 3010
State "SS"	1 F	2-13S-31E	10- 1-59	P 30 B0	4424	3039	Sf 7,500 g OH 3019-39	4-1/2 3019
State "SS"	2 E	2-13S-31E	9-22-59	P 3 B0	4431	3026	Natural OH 3006-26	5-1/2 3006
State "TT"	1 A	2-13S-31E	9-15-59	P 10 B0	4417	3041	Natural OH 3023-41	5-1/2 3023
State "TT"	2 B	2-13S-31E	10-20-59	P 15 B0	4418	3036	Natural OH 3016-36	4-1/2 3016
State "TT"	3 L	2-13S-31E	10-21-59	P 5 B0	4431	3029	Natural OH 3009-20	4-1/2 3009
State "UU"	1 G	2-13S-31E	9-14-59	P 52 B0	4420	3048	Sf 7,500 g OH 3028-48	5-1/2 3028
State "VV"	1 H	2-13S-31E	7-23-59	P 80 B0	4417	3052	Sf 7,500 g OH 3030-52	4-1/2 3030

PETROLEUM DEVELOPMENTS, 1959

State "W"	1 K	2-13S-31E	7-13-59	P 28 B0	4424	3041	Sf 7,500 g M/A 500 OH 3021-41	5-1/2 3021
Greridge	8 C	11-13S-31E	11-17-59	P 48 B0	4417	3033	Sf 10,000 g OH 3026-33	5-1/2 3026
Ohio State	9 F	11-13S-31E	11-18-59	P 37 B0	4425	3052	Sf 10,500 g OH 3030-52	5-1/2 3030
Ohio State	10 L	11-13S-31E	12-6-59	P 57 B0	4422	3043	Sf 7,000 g OH 3028-43	5-1/2 3028
Ohio State	11 E	11-13S-31E	12-7-59	P 59 B0	4430	3039	Sf 7,000 g OH 3019-39	5-1/2 3019
Fuller & Bogle Farms	1 D	2-14S-26E	3-26-59	P & A	3402	1400		
Caito Oil	1 A	19-14S-29E	9-21-59	P & A	3723	2176		
Steinberger Drilling	1 K	26-14S-29E	2-17-59	P & A	3847	1858		
British American Oil Products	1 B	27-14S-29E	7-23-59	F 312 B0	3826	10360	M/A 500 g 10222-242	5-1/2 10359
Kelly, John M.	1 N	35-14S-29E	3-27-59	P & A	3870	1894		
Federal "H"	21 N	4-14S-31E	11-4-59	P 9 B0	4171	2788	WF 13,750 g + M/A 250 2762-74	4-1/2 2788
Trigg, John H.	30 L	4-14S-31E	6-8-59	F 16 B0	4137	2760	Sf 12,000 g 2730-35	4-1/2 2760
Trigg Federal "4"	31 E	4-14S-31E	3-31-59	F 26 B0	4141	2770	Sf 13,000 g 2735-46	4-1/2 2768
Trigg Federal "5"	35 H	5-14S-31E	6-17-59	F 1600 MCF	4111	2730	M/A 250 g 2694-98	4-1/2 2730
Trigg Federal "9"	20 C	9-14S-31E	3-27-59	F 12 B0	4155	2764	Sf 7,000 g 2747-52	4-1/2 2763
Trigg Federal "9"	28 D	9-14S-31E	5-27-59	F 18 B0	4134	2760	Sf 15,700 g 2733-36	4-1/2 2760
Gulf Oil	Zimmerman, Stella	20-14S-31E	9-15-59	P 55 B0	4168	2880	Sf 10,000 g + M/A 250 2821-23	4-1/2 2880
Zimmerman, Stella	6 E	21-14S-31E	6-3-59	P 36 B0	4187	2876	Sf 10,000 g + M/A 250 2841-43	4-1/2 2875
O'Neill, Joseph I., Jr.	4 I	22-14S-31E	1-1-59	P 3 B0	4417	3102	Sf 5,000 g M/A 500 3095-98	5-1/2 3101
Medlin, M. H.	2 A	29-14S-31E	1-17-59	P 54 B0	4243	2928	Sf 20,000 g 2910-18	5-1/2 2928
Antweil, Morris R.								
Yates "B"								

COMPANY LEASE	WELL UNIT	SEC.-T.-R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TREATMENT INTERVAL	OIL STRING SIZE DEPTH
Antwell, Morris R.	3 G	29-14S-31E	5-23-59	P 46 BO	4207	2891	Sf 20,000 g 2858-62	5-1/2 2891
Yates "B"	4 B	29-14S-31E	7- 3-59	P & A	4207	2875		
Yates Federal "B"								
Bennett, Byard	1 N	29-14S-31E	2-19-59	P & A	?	2834		
Ross, W. G., et al.								
Union Oil of California	1 I	29-14S-31E	1-23-59	F 144 BO	4233	2913	Natural OH 2878-93	5-1/2 2913
Lindley, H. A. "B 29"	2 P	29-14S-31E	11-21-59	P & A	4198	2880		
Lindley, H. A. "B 29"								
Gulf Oil	1 C	34-14S-31E	4- 9-59	P & A	4429	13230		
Caprock Unit								
Yates, John A.	1 L	24-15S-23E	6-30-59	P & A	3766	1421		
Coontail								
Magnolia Petroleum	1 B	23-15S-25E	6-13-59	P & A	3440	7722		
Pearson, Ralph O.								
George W. Riley, Inc.	1 P	9-15S-28E	2- 5-59	P 14 BO	3584	2750	Sf 11,000 g + R/A 500 2514-50	5-1/2 2616
State "9"								
Castle, Wigzell, & Cozzens	1 I	34-15S-28E	11-12-59	P & A	3610	2735		
Hondo								
General American Oil of Texas	1 O	20-15S-29E	12-23-59	T A	?	2451		
McCurdy et al.								
Texaco, Inc.	2 O	29-15S-30E	6-27-59	F 243 MCF	3972	12313	R/A 30,500 g 12070-122	7 12312
Peery Federal								
Dual								
Peery Federal	3 K	29-15S-30E	6- 6-59	F 469 BO			R/A 500 g 11140-190	
Elliott Federal Shell	1 I	30-15S-30E	9-12-59	F 780 BO	3965	11250	R/A 500 g 11056-136	5-1/2 11250
Shell State "LLA"	1 C	32-15S-30E	5-29-59	P & A	3945	12237		
Union Oil of California								
Medlin Federal "17"	12 O	17-15S-31E	10- 6-59	F 43 BO	3950	11250	R/A 12,500 g 10252-278	5-1/2 10390
Medlin Federal "17"	13 A	17-15S-31E	12- 2-59	P 20 BO	4444	3203	Sf 11,000 g 3162-66	4-1/2 3202
Medlin Federal "17"	15 H	17-15S-31E	11-20-59	P 47 BO	4423	3177	Sf 12,000 g 3136-40	4-1/2 3177
Medlin Federal "17"			12- 2-59	P 35 BO	4431	3190	Sf 12,000 g 3147-51	4-1/2 3185

PETROLEUM DEVELOPMENTS, 1959

Neville G. Penrose, Inc. Estate, A. L., "A"	2 K	20-15S-31E	9-16-59	P 45 B0	4428	3168	Sf 4,000 g + M/A 250 3130-35	5-1/2 3168	
Cowell	3 F	20-15S-31E	8-31-59	P 50 B0	4415	3140	Sf 4,000 g + M/A 250 3118-33	5-1/2 3140	
Union Oil of California State "30"	7 D	30-15S-31E	11-23-59	P 47 B0	4449	3135	Sf 11,500 g 3101-05	4-1/2 3133	
<u>DE BACA COUNTY</u>									
Pair Oil	1 C	20- 3N-22E	4-27-59	P & A	4887	5427			
Overton Federal General Crude Oil	1 B	25- 3N-23E	11-23-59	P & A	4588	1547			
Federal "055571 B"	1 F	6- 3N-24E	11-14-59	P & A	4577	1536			
Federal "055570 A"	1 M	20- 3N-24E	12- 3-59	P & A	4538	1585			
Henry, Olive									
<u>EDDY COUNTY</u>									
Monterey Oil Federal "29"	22 F	29-16S-27E	7-19-59	P & A	3492	8865			
Kincaid & Watson Gibson Federal	1 E	13-16S-28E	7-22-59	P & A	3584	2120			
Simms & Reese Oil Cole	1 N	29-16S-28E	1-29-59	P & A	?	2808			
Kincaid & Watson Humble State "33"	1 I	33-16S-28E	9- 7-59	F 940 MCF	3538	1886	WF 29,400 g 1348-58	4-1/2 1395	
Southern Union	5 B	34-16S-28E	4- 6-59	F 46 B0	3607	2087	Sf 25,000 g + M/A 100 1474-1510	5-1/2 1533	
Southern Union Gas Federal "34"	1 F	34-16S-28E	5-12-59	F 71 B0	3583	1532	Sf 33,600 g 1428-72	5-1/2 1532	
Federal "34"	2 C	34-16S-28E	8-19-59	P & A	3586	1539			
Kincaid & Watson Kincaid State	1 P	35-16S-28E	10-31-59	F 45 B0	3596	1666	Sf 40,000 g 1598-1629	5-1/2 1658	
US Smelting State	1 H	35-16S-28E	10-10-59	F 15 B0	3596	1674	Sf 36,000 g 1580-1637	5-1/2 1663	

NEW MEXICO BUREAU OF MINES & MINERAL RESOURCES

COMPANY LEASE	WELL UNIT	SEC.-T.-R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TREATMENT INTERVAL	OIL STRING SIZE DEPTH
Utex Exploration, Inc. State "36" State "36" Hollis, T. J. Armstein	1 M	36-168-28E	10-24-59	F 100 B0	3603	1670	Sf 43,720 g 1625-36	5-1/2 1668
	2 L	36-168-28E	11-2-59	F 110 B0	3611	1680	Sf 35,700 g 1631-43	4-1/2 1679
Utex Exploration, Inc. Davis Federal "A" General American Oil of Texas Brewer	1 E	1-168-29E	10-5-59	P & A	3760	2612		
	1 O	8-168-29E	12-22-59	T A	3683	3129		
Brewer	8 P	11-168-29E	4-28-59	F 120 B0	3728	2086	Sf 61,000 g + M/A 500 OH 2055-86	7 2055
	15 N	12-168-29E	8-11-59	P 312 B0	3735	2090	Sf 64,000 g + R/A 500 OH 2060-90	7 2060
Brewer	19 O	12-168-29E	9-13-59	P 433 B0	3739	2106	Sf 61,800 g OH 2077-2106	7 2077
	22 J	12-168-29E	11-1-59	F 5100 MCF	3792	2622	Natural OH 2548-2692	5-1/2 2548
Brewer	26 F	12-168-29E	12-28-59	F 568 B0	3745	2116	Sf 60,000 g + M/A 500 2098-116	7 2098
Brewer	6 D	13-168-29E	3-20-59	F 720 B0	3721	2078	Natural OH 2045-78	7 2045
	7 E	13-168-29E	4-4-59	F 296 B0	?	2119	Natural OH 2084-2119	7 2084
	9 C	13-168-29E	5-8-59	F 1848 B0	3732	2095	Natural	7 2068
Brewer	10 F	13-168-29E	6-21-59	F 508 B0	3741	2140	Sf 54,306 g OH 2103-40	7 2103
	11 B	13-168-29E	7-1-59	F 252 B0	3746	2129	Sf 47,000 g + M/A 500 OH 2105-25	7 2105
Brewer	12 L	13-168-29E	4-7-59	F 96 B0	3727	2134	Sf 59,000 g OH 2105-34	7 2105
	14 G	13-168-29E	8-6-59	F 274 B0	3742	2637	Sf 52,710 g + R/A 500 OH 2124-2150	7 2124
Brewer	24 K	13-168-29E	12-9-59	F 47 B0	3731	2147	Sf 80,596 g + M/A 500 OH 2122-47	7 2122
Brewer	25 A	13-168-29E	11-27-59	F 528 B0	3749	2133	Sf 58,842 g + R/A 500 OH 2115-33	7 2115

PETROLEUM DEVELOPMENTS, 1959

Bosworth	1 I	14-16S-29E	5-31-59	F 264 B0	3718	2101	Sf 48,720 g + M/A 500 OH 2067-2101	7	2067
Bosworth	2 J	14-16S-29E	9-15-59	F 307 B0	3716	2070	Sf 65,800 g OH 2041-70	5-1/2	2041
Bosworth	3 O	14-16S-29E	12-28-59	F 168 B0	3705	2059	Sf 61,500 g + M/A 500 OH 2029-59	7	2029
Brewer	4 H	14-16S-29E	1- 5-59	F 768 B0	3724	2092	Sf 46,284 g + M/A 500 OH 2074-92	7	2074
Brewer	5 G	14-16S-29E	2-13-59	P 257 B0	3722	2078	Sf 61,556 g + M/A 500 OH 2052-78	5-1/2	2052
Brewer	13 E	14-16S-29E	7-13-59	F 440 B0	3708	2023	Sf 62,000 g OH 1993-2023	8-5/8	1831
Brewer	16 L	14-16S-29E	8- 2-59	F 426 B0	3704	2022	Sf 48,000 g OH 2000-22	7	2000
Brewer	17 F	14-16S-29E	8-14-59	F 306 B0	3721	2067	Sf 62,000 g + R/A 500 OH 2039-67	5-1/2	2039
Brewer	18 K	14-16S-29E	8-19-59	F 562 B0	3712	2047	Sf 61,500 g + M/A 500 OH 2019-43	5-1/2	2019
Brewer	20 C	14-16S-29E	10-12-59	P 64 B0	3720	2052	Sf 83,000 g OH 2023-52	5-1/2	2023
Brewer	21 D	14-16S-29E	10-25-59	P 61 B0	3713	2022	Sf 80,262 g OH 1991-2022	5-1/2	1991
Brewer	23 N	14-16S-29E	12-10-59	F 40 B0	3703	2046	Sf 69,258 g + M/A 500 OH 2024-46	7	2024
Western Development of Delaware									
McCallister Federal	1 I	15-16S-29E	6-16-59	F 648 B0	3701	1997	Sf 40,500 g OH 1969-97	5-1/2	1969
McCallister Federal	2 G	15-16S-29E	7-10-59	F 422 B0	3706	1980	Sf 35,070 g OH 1947-80	5-1/2	1947
McCallister Federal	3 A	15-16S-29E	10- 1-59	P 136 B0	3707	1996	Sf 39,060 g + M/A 500 OH 1962-96	5-1/2	1962
Southern Union State	1 H	15-16S-29E	5-18-59	F 186 B0	3704	1995	Sf 36,750 g OH 1958-95	5-1/2	1958
Steen, Charles A. (Utah Unit)	2 K	16-16S-29E	5-12-59	P 15 B0	3675	3120	Sf 16,000 g + M/A 250 1849-59	4-1/2	1957
Atkins State									
Smith, Raymond									
Hondo	1 L	20-16S-29E	9-26-59	P & A	3631	2335			
Kelly, John M.									
Simmons	2 D	24-16S-29E	9- 2-59	P & A	3719	3470			
Simmons	1 M	25-16S-29E	5-18-59	P & A	?	2781			
Highland									
Levers "X"	3 N	33-16S-29E	1-25-59	F 200 B0	3585	2503	Sf 30,000 g OH 2366-76	5-1/2	2503
Levers "A"	4 M	33-16S-29E	3-17-59	T A	?	2500			

COMPANY LEASE	WELL UNIT	SEC.-T.-R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TREATMENT INTERVAL	OIL STRING SIZE DEPTH
McCurdy-Tremmell Joint Account								
Heard	7 O	35-16S-29E	12-29-59	P 21 B0	3650	2732	Sf 76,620 g + 2568-685	5-1/2 2732
Salsich, Neil E.								
Leonard State	6 P	36-16S-29E	2-16-59	F 65 B0	3697	2760	Sf 24,000 g + R/A 750 2606-2740	5-1/2 2760
Leonard State	7 G	36-16S-29E	2-17-59	F 71 B0	3701	2740	Sf 25,000 g + M/A 500 2512-2720	5-1/2 2740
Leonard State	8 H	36-16S-29E	3-28-59	F 64 B0	3708	2765	Sf 20,000 g + M/A 500 2591-2740	5-1/2 2764
Leonard State	9 C	36-16S-29E	11-30-59	F 39 B0	3691	2710	Sf 20,000 g + R/A 500 2484-2682	2-7/8 2710
Humble Oil & Refining								
New Mexico State "BC"	1 T	2-16S-30E	11-18-59	F 198 B0	3900	2966	Sf 15,000 g + 2919-33	2-7/8 2965
New Mexico State "BC"	2 U	2-16S-30E	12-30-59	F 252 B0	3893	2984	Sf 15,000 g + 2928-36	2-7/8 2983
Texaco, Inc.								
Shell State "HA"	1 L	2-16S-30E	6-22-59	P 35 B0	3909	2925	Sf 17,000 g + M/A 250 2870-76	5-1/2 2922
New Mexico State "CJ"	1 M	2-16S-30E	5-26-59	F 120 B0	3916	2965	Sf 10,000 g + R/A 1000 2912-21	4-1/2 2965
New Mexico State "CJ"	2 N	2-16S-30E	9-21-59	P & A	3916	2980		
New Mexico State "CJ"	3 K	2-16S-30E	7-15-59	P 10 B0	3918	2952	Sf 10,000 g + R/A 500 2904-10	4-1/2 2952
Shell Oil								
Little Lucky Lake Unit	3 J	3-16S-30E	1-25-59	F 280 B0	3881	2934	Sf 20,500 g + M/A 250 2832-41	5-1/2 2934
Williamson Federal "B"	1 P	3-16S-30E	4- 5-59	F 800 B0	3890	2958	Sf 20,000 g + M/A 250 2864-82	5-1/2 2944
Texaco, Inc.								
Little Lucky Lake Shell	1 I	3-16S-30E	6- 3-59	F 521 B0	3901	2960	Sf 20,000 g + M/A 250 2841-57	5-1/2 2958
Little Lucky Lake Unit (Richardson & Bass)	1 H	3-16S-30E	7- 7-59	F 30 B0	3906	2898	Sf 20,000 g + M/A 500 2830-40	5-1/2 2891

NEW MEXICO BUREAU OF MINES & MINERAL RESOURCES

COMPANY LEASE	WELL UNIT	SEC.-T.-R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TREATMENT INTERVAL	OIL STRING SIZE DEPTH
Texaco, Inc. Etz "NCT-1"	2 M	31-168-30E	2-22-59	F 320 B0	3705	2785	Sf 20,000 g + R/A 1000 2685-2740	4-1/2 2785
	1 G	31-168-30E	1-19-59	F 240 B0	3715	2835	Sf 20,000 g + R/A 1000 2758-96	4-1/2 2835
	4 H	31-168-30E	3-3-59	F 352 B0	3718	2850	Sf 10,000 g + R/A 1000 2788-2816	4-1/2 2850
Triggs, John H. Federal "E 31" Federal "E 31" Federal "E 31" Kelly, John M. State "M"	2 M	31-168-30E	2-18-59	F 39 B0	3700	2761	Sf 20,000 g 2728-36	5-1/2 2761
	3 F	31-168-30E	3-30-59	F 49 B0	3709	2753	Sf 29,000 g OH 2722-53	5-1/2 2722
	4 C	31-168-30E	8-1-59	P & A	3714	2866		
	1 M	32-168-30E	1-18-59	F 46 B0	3702	2874	Sf 40,000 g + R/A 500 2660-2823	5-1/2 2873
Southwestern, Inc. Humble State "A"	2 F	32-168-30E	1-12-59	F 38 B0	3722	2969	Sf 10,000 g + M/A 500 2666-72	4-1/2 2860
	1 J	33-168-30E	8-15-59	P & A	3739	12420		
Tennessee Gas Transmission Square Lake Deep Unit Standard Oil of Texas Coll, Lillian "10"	1 D	10-168-31E	11-22-59	F 102 B0	4177	13400	Sf 40,000 g + R/A 2500 3633-66 and Sf 5,000 g + M/A 500 g 3678-85	9-5/8 3712
	1 L	19-168-31E	9-27-59	F 1069 MCF	3870	3264	Sf 29,400 g 3035-3128	5-1/2 3263
Allison, Fred M. Carper Federal Carper Federal Aztec Oil & Gas State "RC"	2 K	19-168-31E	9-22-59	P & A	?	620		
	2 I	36-168-31E	10-30-59	F 66 B0	4112	4024	Sf 36,000 g + R/A 1000 3776-3858 and Sf 11,000 g + R/A 1000 g 3967-83	4-1/2 4023

State "RC"	3 P	36-16S-31E	11- 1-59	F 54 B0	4038	3991	Sf 42,500 g + R/A 1000 3752-3960	4-1/2 3991
Miller Brothers Oil Jackson	1 O	14-17S-25E	5-23-59	F 120 B0	3479	1326	Sf 15,120 g + M/A 200 OH 1282-1301	7 1284
Baker, George W. Brooks	1 I	14-17S-25E	12- 2-59	P 17 B0	3475	1348	Sf 10,900 g + R/A 500 OH 1280-348	5-1/2 1280
Miller Brothers Oil Behrendt-Gissler	1 B	23-17S-25E	7-31-59	P 72 B0	3486	1288	Sf 36,200 g + M/A 250 OH 1260-88	5-1/2 1260
Johnson, Bob Federal	1 M	14-17S-27E	6- 6-59	P & A	?	437		
Jeffers, E. Federal	1 F	15-17S-27E	5-14-59	P & A	3449	524		
Collier, R. D. Gulf Kepple	1 J	19-17S-27E	7- 5-59	P 36 B0	3311	1833	WF 25,200 g OH 1717-30	7 1300
Beddingfield, J. E. Acrey State "A"	3 F	36-17S-27E	6-12-59	P 30 B0	?	480	M/A 500 and R/A 3500 459-66	7 475
Gulf Oil Eddy State "I NCT-C"	1 O	36-17S-27E	9-18-59	F 124 B0	3661	6200	R/A 1000 g 5648-5800	5-1/2 5948
Kincaid & Watson Atlantic State "A"	1 D	1-17S-28E	7- 6-59	F 42 B0	3597	2174	Sf 25,000 g 1612-26	5-1/2 1680
Atlantic State "A"	2 C	1-17S-28E	12-10-59	F 20 B0	3624	2247	Sf 38,430 g 1678-88	5-1/2 1735
Resler & Sheldon State	1 H	2-17S-28E	3- 2-59	F 20 B0	3566	2230	Sf 10,000 g 1567-74	4-1/2 1635
Resler & Sheldon State	2 A	2-17S-28E	9-18-59	F 60 B0	3590	1639	Sf 36,000 g 1588-1604	5-1/2 1636
Castle & Wigzell Superior State	1 G	11-17S-28E	3-14-59	F 20 B0	3618	2230	Sf 22,000 g + M/A 250 1610-70	4-1/2 1703
Campbell, E. P. Superior State	1 P	12-17S-28E	3-31-59	P 10 B0	3710	2480	Sf 10,000 g + R/A 750 2304-2424	4-1/2 2455
Kincaid & Watson Superior State	1 J	13-17S-28E	9-15-59	P & A	3711	2483		
Phillips, N. Gordon State	3 K	15-17S-28E	3-19-59	F 360 B0	3548	2015	Sf 14,700 g 1669-2001	5-1/2 2015

COMPANY LEASE	WELL UNIT	SEC.-T.-R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TREATMENT INTERVAL	OIL STRING SIZE DEPTH
Phillips, N. Gordon								
Phillips Balding State	5 N	15-17S-28E	4-29-59	F 96 B0	3545	2015	Sf 30,660 g 1968-81	5-1/2 2015
Phillips Balding State	6 M	15-17S-28E	7-31-59	P & A	3535	1979		
Kincaid & Watson								
Aztec Federal	2 B	15-17S-28E	5- 8-59	F 60 B0	3555	2052	Sf 27,000 g OH 2025-52	5-1/2 2025
Yates, S. P. State "H"	3 E	15-17S-28E	5-24-59	F 41 B0	3526	2703	Sf 10,000 g + M/A 500 1434-1926	5-1/2 2300
State "F"	4 C	15-17S-28E	7-31-59	F 40 B0	3540	2078	Sf 37,926 g 1994-2010	5-1/2 2074
Kincaid & Watson								
Larsen State	1 H	16-17S-28E	2-22-59	F 2300 MCF	3523	2022	WF 26,000 g 1899-1907	5-1/2 1945
Red Lake Premier Sand Unit								
Welch Reid	3 G	20-17S-28E	4-15-59	P 12 B0	3634	1950	Sf 22,000 g 1904-48	5-1/2 1950
Castle & Wigzell								
Gulf State	1 B	22-17S-28E	3-15-59	P 38 B0	3564	2017	Sf 20,000 g OH 1970-2017	5-1/2 1970
Gulf State	2 C	22-17S-28E	10-12-59	P 42 B0	3555	2015	Sf 22,000 g 1962-2000	4-1/2 2015
Phillips, N. G. State	1 G	27-17S-28E	7-30-59	F 38 B0	3619	1970	Sf 25,000 g + M/A 200 1896-1942	5-1/2 1961
Phillips, N. G. State	2 H	27-17S-28E	8- 8-59	F 34 B0	3601	1975	Sf 21,000 g + M/A 250 1502-1944	5-1/2 1967
Chambers & Kennedy								
Delhi-Taylor State	1 N	35-17S-28E	11-27-59	P & A	3677	7002		
Allison, Fred M.								
Beddingfield	1 J	1-17S-29E	4-27-59	F 65 B0	3675	2835	Sf 35,500 g + M/A 250 2689-2818	5-1/2 2835
Beddingfield	2 N	1-17S-29E	6-15-59	P 40 B0	3664	2823	Sf 30,000 g 2662-2783	5-1/2 2823
Beddingfield								
Randel, O. H.								
Root Federal "1"	4 G	1-17S-29E	1-30-59	F 75 B0	3682	2713	Sf 20,000 g OH 2674-2713	5-1/2 2674
Root Federal "1"	5 K	1-17S-29E	4- 8-59	F 65 B0	3672	2697	Sf 30,000 g + M/A 250 2662-84	5-1/2 2697

COMPANY LEASE	WELL UNIT	SEC.-T.-R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TREATMENT INTERVAL	OIL STRING SIZE DEPTH
Southwestern, Inc. DeKalb Federal	5 D	5-17S-30E	4-30-59	F 26 B0	3698	2838	Sf 15,000 g + R/A 1000 2656-2826	5-1/2 2838
Nearburg & Ingram Drewery "A"	1 K	6-17S-30E	11-27-59	F 155 B0	3680	2890	Sf 20,000 g + M/A 1500 2598-774	5-1/2 2888
Drewery "A"	2 F	6-17S-30E	5- 5-59	F 312 B0	3687	2894	Sf 20,000 g + M/A 750 2590-2750	5-1/2 2897
Welch, Thomas F. Gulf Tidewater Oil State "I"	1 M 1 B	9-17S-30E 16-17S-30E	7-13-59 8-19-59	P & A T A	3672 3685	3475 2103		
Resler & Sheldon Digneo State X General American Oil of Texas Arnold "F"	1 H 1 C	32-17S-30E 35-17S-30E	1-24-59 6- 1-59	P & A P & A	3607 3592	3318 3474		
Beal, Trobaugh & Association Featherstone Featherstone	2 F 3 B	2-17S-31E 2-17S-31E	10-26-59 11-24-59	F 76 B0 F 79 B0	3997 4020	3660 3825	Sf 60,000 g 3520-3646 Sf 44,000 g + R/A 750 3555-3808	5-1/2 3660 5-1/2 3825
Featherstone Jones	4 D 1 G	2-17S-31E 2-17S-31E	12-16-59 9-30-59	F 83 B0 F 71 B0	4005 4006	3655 3675	Sf 60,000 g 3514-647 Sf 40,000 g 3538-78 and Sf 20,000 g 3596-640	5-1/2 3655 5-1/2 3675
Wilson Wilson Featherstone, Olen F.	1 O 2 J 9 N	2-17S-31E 2-17S-31E 2-17S-31E	7-28-59 9- 4-59 1- 8-59	F 65 B0 F 72 B0 F 72 B0	3984 3990 3976	3824 3810 3998	Sf 38,000 g 3534-3803 Sf 60,000 g 3491-3625 Sf 60,000 g 3494-3782	5-1/2 3824 5-1/2 3810 5-1/2 3846
Sinclair Oil & Gas West "A" West "B" West "B" X	11 G 23 G 22 O	3-17S-31E 3-17S-31E 9-17S-31E	11-27-59 9-10-59 8-31-59	F 91 B0 F 168 B0 F 14 B0	3975 3951 3874	3500 3456 3731	Sf 20,000 g 3445-52 Sf 20,000 g 3413-35 Sf 20,000 g 3260-70 and Sf 5,500 g + R/A 3000 3672-78	5-1/2 3500 5-1/2 3456 5-1/2 3731

West "B"	19 C	10-17S-31E	2- 8-59	F	192 B0	3934	3501	Sf 20,000 g	3422-30	5-1/2 3501
West "B"	20 O	10-17S-31E	4- 3-59	F	156 B0	3906	3635	Sf 20,000 g	3398-3410	5-1/2 3635
West "B"	21 M	10-17S-31E	5-21-59	F	212 B0	3889	3802	Sf 20,000 g	3362-70	5-1/2 3802
Skelly Oil										
Lea "C"	1 C	11-17S-31E	7-23-59	F	65 B0	3962	3735	Sf 82,600 g	3452-3633	5-1/2 3666
Lea "C"	2 B	11-17S-31E	10-29-59	F	257 B0	3968	3752	Sf 81,000 g + A 500 3463-3635		5-1/2 3664
Lea "B"	5 B	14-17S-31E	6-20-59	F	151 B0	3929	3733	Sf 36,000 g + M/A 250 3596-3649 and Sf 29,400 OH 3679-3733		5-1/2 3679
Dow "A"	4 B	15-17S-31E	8- 8-59	F	130 B0	3902	3666	Sf 44,000 g + M/A 250 3350-3402		5-1/2 3555
Dow "A"	5 D	15-17S-31E	9-16-59	F	129 B0	3886	3611	Sf 90,000 g + A 250 3302-3460		5-1/2 3510
Lynch "A"	12 O	22-17S-31E	2-16-59	F	53 B0	3830	3710	Sf 55,500 g + M/A 350 OH 3618-3710		5-1/2 3618
Lynch "A"	13 F	22-17S-31E	3-27-59	F	79 B0	3846	3571	Sf 38,000 g + M/A 1000 OH 3472-3571		5-1/2 3472
Lynch "A"	14 P	22-17S-31E	9- 2-59	F	66 B0	3839	3700	Sf 80,000 g + A 800 3502-40		5-1/2 3589
Lea "B"	6 C	26-17S-31E	7- 7-59	F	552 B0	3846	3738	Sf 48,000 g	3555-3642	5-1/2 3681
Lynch "B"	4 B	27-17S-31E	5- 3-59	F	127 B0	3824	3754	Sf 18,060 g	OH 3705-54	5-1/2 3705
Dow "B"	32 L	28-17S-31E	12- 9-59	F	866 B0	3764	3734	Sf 60,000 g + M/A 250 3522-91		5-1/2 3632
Dow "B"	33 F	28-17S-31E	12-28-59	F	614 B0	3771	3700	Sf 47,000 g	3609-700	5-1/2 3609
Sinclair Oil & Gas										
Turner "B"	61 J	29-17S-31E	6- 8-59	F	288 B0	3743	3661	Sf 20,000 g	2616-46	5-1/2 3661
Turner "B"	62 I	29-17S-31E	8- 7-59	F	288 B0	3752	3690	Sf 40,000 g	3500-3674	5-1/2 3690
Turner "B"	63 O	29-17S-31E	9-18-59	F	216 B0	3740	3670	Sf 20,000 g	3510-30	5-1/2 3670
Turner "B"	64 L	29-17S-31E	10-31-59	F	240 B0	3674	3576	Sf 20,000 g	3388-3405	5-1/2 3576
Turner "B Sp"	59 A	29-17S-31E	3- 2-59	F	288 B0	3747	3486	Sf 20,000 g	3290-3314	5-1/2 3486
Turner "B Sp"	60 K	29-17S-31E	4-20-59	F	240 B0	3739	3626	Sf 20,000 g	3470-88	5-1/2 3626
Turner "B Sp"	57 K	30-17S-31E	1-12-59	T	A	3607	3496			
Gulf Oil										
Eddy State "AC"	1 L	36-18S-25E	6-11-59	F	1100	3514	9283	Sf 10,000 g + R/A 2960 8998-9110		5-1/2 9282

Empire Abo Federal	2 I	1-188-27E	10- 2-59	F 162 B0	3640	6185	Natural	6159-75	4-1/2	6185
Empire Abo Federal	3 O	1-188-27E	11- 8-59	P & A	3640	6365				
Pan American Petroleum										
USA Malco Refining "F"	1 L	1-188-27E	4-21-59	F 82 B0	3580	6137	R/A 500 g	6040-80	5-1/2	6137
USA Malco Refining "F"	2 M	1-188-27E	4-22-59	F 108 B0	3614	5960	R/A 500 g	5875-5910	5-1/2	5960
USA Malco Refining "F"	3 M	1-188-27E	7-20-59	F 110 B0	3601	6150	R/A 1000 g	6110-35	4-1/2	6150
USA Malco Refining "F"	4 F	1-188-27E	5-31-59	F 68 B0	3610	6087	R/A 1000 g	5990-6030	4-1/2	6087
USA Malco Refining "F"	5 F	1-188-27E	5-23-59	F 83 B0	3612	6163	R/A 500 g	6040-80	4-1/2	6163
USA Malco Refining "F"	6 B	1-188-27E	7- 7-59	F 78 B0	3650	6078	R/A 2500 g	5954-6028	4-1/2	6078
USA Malco Refining "F"	7 G	1-188-27E	8- 5-59	F 100 B0	3660	6205	R/A 2000 g	6100-36	4-1/2	6205
USA Malco Refining "F"	8 H	1-188-27E	9- 9-59	F 69 B0	3622	6173	R/A 2000 g	5900-50	4-1/2	6173
USA Malco Refining "F"	9 C	1-188-27E	10-17-59	F 114 B0	3664	6218	A 4000 g	6104-6158	4-1/2	6218
USA Malco Refining "F"	10 D	1-188-27E	10-30-59	F 87 B0	3658	5900	A 5000 g	5792-5848	8-5/8	1475
USA Malco Refining "F"	11 A	1-188-27E	11- 5-59	F 120 B0	3673	6118	R/A 4000 g	6026-64	4-1/2	6118
USA Malco Refining "F"	12 N	1-188-27E	12- 8-59	F 97 B0	3619	6174	R/A 1000 g	6140-58	4-1/2	6174
Atlantic Refining										
State "AO"	1 J	2-188-27E	3-31-59	F 168 B0	3560	6100	Natural	5452-94	5-1/2	6100
State "AO"	2 I	2-188-27E	5- 7-59	F 96 B0	3572	6100	M/A 1000 g	5688-5742	5-1/2	6100
Carper Sivley Empire Joint Account										
Wright State	4 B	2-188-27E	10-23-59	F 80 B0	3602	5881	R/A 2000 g	5672-5742	5-1/2	5880
Carper Drilling, Inc. & Sivley, T. J.										
State "AB"	5 C	2-188-27E	8- 3-59	F 212 B0	3597	5765	R/A 2000 g	5627-5731	5-1/2	5764
Gulf Oil										
Eddy State "NCT-B"	1 P	2-188-27E	1-30-59	F 235 B0	3585	6115	R/A 1500 g	5980-6020	5-1/2	6114
Hudson, William										
Hudson Abo State	1 A	2-188-27E	9- 3-59	F 80 B0	3630	5920	R/A 2000 g	5773-5875	5-1/2	5917
Pan American Petroleum										
State "BA"	1 D	2-188-27E	10- 2-59	F 106 B0	3601	5695	A 3000 g	5610-5654	4-1/2	5695
State "AT"	3 F	2-188-27E	2-23-59	F 77 B0	3572	6133	R/A 500 g	5620-40	5-1/2	6133
State "AU"	1 K	2-188-27E	1-22-59	F 75 B0	3541	6676	R/A 5500 g	5540-55	5-1/2	6176
Rutter & Wilbanks										
Rutter, et al. State	1 G	2-188-27E	6-19-59	F 72 B0	3576	5884	R/A 500 g	5762-88	5-1/2	5884
Turner, Fred, Jr. State	1 H	2-188-27E	3-13-59	F 356 B0	3602	5865	Natural	5586-5642	7	5865
Carper Drilling, Inc.										
Carper Hudson	1 F	3-188-27E	7- 9-59	F 231 B0	3588	5705	R/A 2000 g	5564-5630	5-1/2	5704

COMPANY LEASE	WELL UNIT	SEC.-T.-R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TREATMENT INTERVAL	OIL STRING SIZE DEPTH
Pan American Petroleum								
USA Mann Federal	1 M	3-18S-27E	2-20-59	F 123 B0	3556	6438	R/A 1000 £ 5560-90	5-1/2 6431
USA Mann Federal	2 L	3-18S-27E	8- 9-59	F 76 B0	?	5711	R/A 2000 £ 5620-60	4-1/2 5711
USA Malco Refining "E"	2 O	3-18S-27E	1-11-59	F 88 B0	3524	6045	R/A 1000 £ 5345-80	5-1/2 6043
USA Malco Refining "H"	1 I	3-18S-27E	2- 1-59	F 69 B0	3552	6105	R/A 1000 £ 5314-32	5-1/2 6103
USA Malco Refining "H"	2 H	3-18S-27E	2-23-59	F 82 B0	3573	6123	R/A 500 £ 5650-70	5-1/2 6123
USA Malco Refining "H"	3 N	3-18S-27E	4- 7-59	F 132 B0	3548	5834	R/A 500 £ 5718-40	5-1/2 5834
USA Malco Refining "H"	4 J	3-18S-27E	3-26-59	F 79 B0	3537	5881	Natural 5650-70	5-1/2 5881
USA Malco Refining "H"	5 L	3-18S-27E	6-15-59	F 66 B0	3556	5760	R/A 1000 £ 5660-5700	4-1/2 5760
USA Malco Refining "H"	6 G	3-18S-27E	8-27-59	F 96 B0	3565	5720	R/A 2000 £ 5620-64	4-1/2 5720
USA Malco Refining "H"	7 A	3-18S-27E	10-27-59	F 105 B0	3594	5661	R/A 3000 £ 5610-30	4-1/2 5661
USA Malco Refining "H"	8 B	3-18S-27E	11-22-59	F 97 B0	3596	5719	R/A 5000 £ 554-98	4-1/2 5719
USA Malco Refining "H"	9 C	3-18S-27E	12-26-59	F 108 B0	3604	5711	R/A 3000 £ 5456-82 and R/A 4000 £ 5498-546	4-1/2 5710
Windfohr Federal	1 P	4-18S-27E	3-26-59	F 103 B0	3568	5800	R/A 3000 £ 5540-70	5-1/2 5800
Windfohr, R. F.	2 I	4-18S-27E	9-13-59	F 79 B0	3578	5602	R/A 2500 £ 5592-5618	4-1/2 5602
Windfohr	3 O	4-18S-27E	10- 8-59	F 174 B0	3565	5666	R/A 5000 £ 5540-5620	4-1/2 5666
Windfohr, R. H.	4 J	4-18S-27E	11-11-59	F 180 B0	3596	5630	R/A 5000 £ 5510-78	4-1/2 5615
Ibex								
Fred	2 E	6-18S-27E	1-12-59	P 25 B0	3371	1855	Sf 10,000 £ + M/A 250 1742-60	5-1/2 1855
Pan American Petroleum								
USA Malco Refining "G"	3 A	9-18S-27E	4-28-59	F 95 B0	3537	5797	R/A 2500 £ 5652-88	5-1/2 5797
USA Malco Refining "G"	5 H	9-18S-27E	6-15-59	F 76 B0	3511	5700	R/A 1000 £ 5600-32	4-1/2 5700
USA Malco Refining "G"	6 I	9-18S-27E	7-16-59	F 108 B0	3509	5817	R/A 2000 £ 5722-56	4-1/2 5817
USA Malco Refining "G"	8 J	9-18S-27E	8-14-59	F 72 B0	3551	5800	R/A 2000 £ 5710-50	4-1/2 5800
USA Malco Refining "G"	10 G	9-18S-27E	9-10-59	F 86 B0	3541	5700	R/A 15000 £ 5500-94	4-1/2 5700
USA Malco Refining "G"	11 B	9-18S-27E	10- 3-59	F 82 B0	?	5670	A 3000 £ 5504-602	4-1/2 5670
USA Malco Refining "K"	1 P	9-18S-27E	11-13-59	F 116 B0	3491	6024	R/A 5000 £ 5816-67	4-1/2 6024
USA Malco Refining "K"	2 O	9-18S-27E	11-25-59	F 81 B0	3513	5835	R/A 3000 £ 5610-40	4-1/2 5835

USA Malco Refining "D"	3 G	10-18S-27E	5-15-59	T A	3497	6071	R/A 500 g 5700-20	5-1/2 5870
USA Malco Refining "G"	2 D	10-18S-27E	3-28-59	F 107 BO	3526	5878	R/A 5000 g 5900-50	5-1/2 6000
USA Malco Refining "G"	4 E	10-18S-27E	5-10-59	F 67 BO	3513	6000	A 1000 g 5930-70	4-1/2 6051
USA Malco Refining "G"	7 F	10-18S-27E	7- 3-59	F 67 BO	3500	6051	Sf 10,000 g 5815-37	4-1/2 6024
USA Malco Refining "G"	9 L	10-18S-27E	11-14-59	F 44 BO	3472	6032	R/A 500 g 6161-66	4-1/2 6211
USA Malco Refining "J"	1 A	11-18S-27E	8- 4-59	F 84 BO	3615	6211		
Aztec Oil & Gas et al. Federal "EA"	1 D	12-18S-27E	6- 7-59	F 120 BO	3618	6210	A 1000 g 6128-50	5-1/2 6210
Humble Oil & Refining Chalk Bluff Draw Unit "C"	1 G	17-18S-27E	7-23-59	F 14800 MCF	3436	9850	Natural 9446-88	5-1/2 9622
Hurley, Harvey L. Hurley Gulf Jackson	1 D	18-18S-27E	5-10-59	F 44 BO	3296	1780	Sf 7,000 g 1028-34 and Sf 20,000 g 1584-1774	4-1/2 1780
Donnelly Drilling State "A"	3 E	2-18S-28E	3- 3-59	P 27 BO	3640	2662	Sf 23,000 g 2225-2636	5-1/2 2662
Pan American Petroleum State "BC"	1 D	4-18S-28E	12-30-59	F 138 BO	3671	6367	R/A 2000 g 6124-52	4-1/2 6367
Kincaid & Watson Smith State Leonard Oil	1 A	4-18S-28E	8-21-59	T A	3661	2307		
State "E 2715"	2 F	5-18S-28E	12-30-59	F 264 BO	3666	6265	M/A 150 g 6220-45	5-1/2 6265
State "BB"	1 E	6-18S-28E	11- 1-59	F 133 BO	3650	6202	R/A 3000 g 6102-68	5-1/2 6202
State "BB"	2 F	6-18S-28E	11-26-59	F 98 BO	3657	6206	R/A 5000 g 6062-110	5-1/2 6200
Resler & Sheldon State Gulf Oil	1 B	6-18S-28E	12-26-59	F 456 BO	3668	6194	R/A 500 g 6070-120	5-1/2 6194
Eddy State "BO NCT-A"	1 P	8-18S-28E	2- 4-59	P 51 BO	3627	2409	Sf 30,000 g + R/A 500 2173-2318	4-1/2 2402
Nichols, Leonard Humble State Welch, V. S. Welch Western	1 L 1 P	9-18S-28E 9-18S-28E	8-14-59 11- 1-59	P & A P 60 BO	3635 3631	2555 2794	Sf 98,700 g + M/A 500 2208-2648	5-1/2 2685
Allison, Fred M. Adkins State	1 F	17-18S-28E	6-11-59	P 100 BO	3615	2495	Sf 10,000 g + R/A 10000 2446-56	5-1/2 2495

COMPANY LEASE	WELL UNIT	SEC.-T.-R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TREATMENT INTERVAL	OIL STRING SIZE DEPTH
Allison, Fred M. Gilmore State	1 N	17-188-28E	4- 1-59	F 112 BO	3609	2438	Sf 25,000 g + M/A 250 2250-2420	5-1/2 2438
Castle & Wigzell Gulf State "19" Kelly, John M.	1 L	19-188-28E	7-22-59	P & A	3571	2324		
Kelly State "A" McKee General Contractor, Inc.	4 P	19-188-28E	8-17-59	T A	3590	2495		
McKee State Southwestern, Inc.	19 J	19-188-28E	9-15-59	P 15 BO	3578	2335	Sf 19,000 g 2025-94	5-1/2 2143
Humble State	2 D	20-188-28E	1-10-59	P 38 BO	3603	2433	Sf 10,000 g 2080-95 and Sf 10,000 g 2373-98	5-1/2 2420
Graridge McNutt State	9 M	21-188-28E	6- 1-59	P 24 BO	3572	2082	R/A 750 g 2030-60	5-1/2 2082
McNutt State	10 K	21-188-28E	6- 1-59	P 36 BO	3572	2091	R/A 750 g 2039-70	5-1/2 2091
Resler Yates State	302 P	21-188-28E	9-16-59	P 2 BO	3576	2190	R/A 750 g 2136-66	5-1/2 2190
Resler Yates State	26 G	28-188-28E	9-29-59	P & A	3550	2225		
Resler Yates State	307 H	28-188-28E	9-18-59	P 1 BO	3558	2155	R/A 250 g 2102-22	5-1/2 2155
Ventures State	306 A	28-188-28E	8-18-59	P 8 BO	3558	2165	R/A 250 g 2108-30	5-1/2 2153
Welch Duke State	18 F	28-188-28E	5- 1-59	P 72 BO	3545	2048	Natural 2011-28	5-1/2 2048
Resler Yates State Welch, V. S.	348-N	29-188-28E	7-31-59	P 40 BO	3569	2040	R/A 250 g 1986-99	5-1/2 2040
Brookover	1 J	4-188-29E	4- 8-59	F 45 BO	3530	3295	Sf 42,000 g + M/A 50 2504-30 and Sf 39,900 3102-22	5-1/2 3295
Brookover Trigg, John H.	2 O	4-188-29E	9-15-59	P 17 BO	3516	3166	Sf 73,100 g 2484-2632	5-1/2 3157
Sivley Wright "20" Hanson & Alamo	1 F	20-188-29E	11- 3-59	T A	3569	8308		
Nix McKee General Contractor, Inc.	1 B	33-188-29E	12- 3-59	P & A	3421	2882		
McKee Wilson	4 H	33-188-29E	8-17-59	T A	3430	2750		

McKee & Bassett														
Brainard	6 J	34-188-29E	1- 5-59	P 33 B0	3406	2110	Sf 21,000 g	OH 2099-110	5-1/2 2099					
McKee General Contractor, Inc.														
McKee Taylor	1 A	34-188-29E	3-19-59	F & A	3609	2895								
McKee Wilson	5 F	34-188-29E	4-10-59	P 15 B0	3420	2101	Sf 21,000 g	OH 2088-2101	4-1/2 2088					
Franklin, Aston & Fair														
Coppedge "C"	1 H	5-188-30E	5-15-59	T A	3580	3594								
Sergeant	1 D	9-188-30E	1-25-59	T A	3531	3787								
Masteller "B"	2 G	17-188-30E	6-17-59	F & A	3477	2909								
Moran Oil Products & Drilling														
Keinath	1 N	25-188-30E	12-23-59	F & A	3557	3200								
Malco Refining, Inc.														
State "RD"	1 P	36-188-30E	4-11-59	F 52 B0	3522	3115	Sf 30,000 g	OH 3071-3115	4-1/2 3071					
State "RD"	2 O	36-188-30E	5-21-59	F 58 B0	3522	3192	Sf 30,000 g	3090-3108	4-1/2 3146					
State "RD"	3 I	36-188-30E	7- 1-59	F 62 B0	3536	3169	Sf 41,118 g	3105-50	4-1/2 3168					
Hondo Oil & Gas														
State "RD"	4 J	36-188-30E	9-15-59	F 45 B0	3536	3145	Sf 10,000 g	3117-30	4-1/2 3143					
Haskins, Paul E.														
Edwards	1 O	9-188-31E	12- 1-59	F 39 B0	3698	4017	Sf 10,000 g + R/A	1000	5-1/2 4017					
								3916-74						
Maxwell Oil														
Taylor "B"	4 L	13-188-31E	8-31-59	F & A	3720	3604								
Johnson, Bob														
Swearingen "B"	4 P	14-188-31E	9-22-59	F 100 B0	3706	3548	Sf 46,200 g	3490-504	7 3548					
Gulf Oil														
Keohane et al. "C"	1 P	21-188-31E	2-17-59	F 37 B0	3652	5300	Sf 16,000 g + R/A	500	4-1/2 3979					
								3616-67						
Little Field Federal "AB"	2 N	22-188-31E	2-25-59	F 75 B0	3650	5300	Sf 16,000 g	3626-75	4-1/2 5300					
Pan American Petroleum														
Greenwood Unit	4 D	27-188-31E	2- 1-59	F 63 B0	3653	5250	Sf 5,000 g + R/A	500	4-1/2 5250					
								4992-5010						
Greenwood Unit														
Pure Oil	5 F	27-188-31E	8-19-59	T A	3637	5188								
Federal "E"	1 L	31-188-31E	11-14-59	F 11 B0	3535	3480	Sf 20,000 g + R/A	1000	5-1/2 3479					
								3315-432						
Trigg, John H.														
Federal "TR-31"	1 M	31-188-31E	9- 5-59	F 46 B0	?	3144	Sf 32,000 g	OH 3092-3144	4-1/2 3092					

COMPANY LEASE	WELL UNIT	SEC.-T.-R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TREATMENT INTERVAL	OIL STRING SIZE DEPTH
Chambers & Kennedy Monterey State	1 N	32-188-31E	1-27-59	F 62 B0	3574	3552	Sf 20,000 g + R/A 375 3265-3500	4-1/2 3550
Monterey State	2 D	32-188-31E	10-25-59	P 62 B0	3567	3501	Sf 20,000 g 3448-62	5-1/2 3498
Keokane, Saunders et al. Hinkle "A"	14 B	34-188-31E	8-14-59	P 200 B0	3643	4500	Sf 37,800 g + R/A 500 3758-3871	5-1/2 4253
Hinkle "B"	5 F	34-188-31E	6-14-59	P 60 B0	3630	4494	Sf 36,800 g + M/A 300 3818-32	4-1/2 4460
Hinkle "B"	6 L	34-188-31E	10-14-59	F 50 B0	3613	3885	Sf 50,400 g 2634-2779	5-1/2 2902
Hinkle "B"	4 J	35-188-31E	2-13-59	P 100 B0	3640	3945	Sf 22,500 g + M/A 250 2772-90 and Sf 22,500 + M/A 250 g 3698-3720 and Sf 22,500 g + M/A 700 g 3834-42	7 3940
Welch, J. M. Hinkle "B 35"	3 A	35-188-31E	1-31-59	P 200 B0	3650	3935	Sf 20,000 g 3889-3901	7 3928
Hinkle "B 35"	4 H	35-188-31E	5-6-59	F 30 B0	3649	3908	Sf 10,000 g 3588-3600	5-1/2 3906
Texaco, Inc. State "CK NCT-1"	1 E	36-188-31E	12-7-59	P 40 B0	3660	4000	Sf 40,000 g + M/A 1000 3622-936	5-1/2 4000
Cone, Gordon N. Gorman State	1 C	36-198-24E	7-17-59	F 54 B0	3603	6100	M/A 250 g 5741-53	4-1/2 5814
Pan American Petroleum Matlock, B. H.	1 N	1-198-25E	4-24-59	P & A	3420	9400		
McKee, Taft Schenck	1 A	15-198-26E	9-28-59	P 8 B0	3343	1196	Sf 21,000 g + A 500 OH 1117-47	4-1/2 1117
Campbell, E. P. Moutray	1 I	32-198-26E	11-1-59	P & A	3277	1835		

Yates, John A. State	5 O	5-198-28E	3- 1-59	F 38 B0	3540	2260	Sf 21,000 g + M/A 500 1880-1961	4-1/2 2065
State	6 P	5-198-28E	6- 1-59	F 36 B0	3545	2050	Sf 36,000 g + M/A 750 1940-2016	4-1/2 2050
Gulf State	1 B	8-198-28E	6-30-59	P 25 B0	3549	2103	Sf 31,500 g + M/A 500 1894-1947	4-1/2 2057
Gulf Oil								
Eddy State "EN NCT-A"	1 P	11-198-28E	5-26-59	F 79 B0	3418	2246	Sf 30,384 g + M/A 500 1813-2204	4-1/2 2246
Eddy State "EN NCT-A"	2 O	11-198-28E	7-15-59	F 108 B0	3435	2225	Sf 36,000 g + R/A 500 1815-2200	4-1/2 2225
Eddy State "EN NCT-A"	3 I	11-198-28E	8-11-59	F 100 B0	3424	2235	Sf 30,000 g + M/A 500 1806-2164	4-1/2 2234
Eddy State "EN NCT-A"	4 J	11-198-28E	9-11-59	F 276 B0	3446	2230	Sf 30,000 g + A 500 1816-2199	4-1/2 2230
Western Yates								
State "648 Tr. 15"	155 N	11-198-28E	12- 7-59	F 400 B0	3441	2260	Sf 26,980 g 1790-98 Sf 18,564 g 1808-28 Sf 5,750 g 2066-82 Sf 11,500 g 2180-96	4-1/2 2248
Lowe, Ralph								
State "OG 272"	1 N	12-198-28E	4-22-59	F 170 B0	3406	2250	Sf 30,000 g 1776-2234	5-1/2 2250
State "OG 272"	2 M	12-198-28E	4-30-59	F 170 B0	3410	2232	Sf 30,000 g 1758-2212	5-1/2 2229
State "OG 272"	3 K	12-198-28E	9-23-59	F 169 B0	3402	2300	Sf 30,000 g 1778-2230	5-1/2 2300
State "OG 272"	4 L	12-198-28E	9-16-59	F 155 B0	3422	2565	Sf 30,000 g 1837-2262	5-1/2 2565
Sunray Mid-Continent Oil								
State "O"	3 O	12-198-28E	3-29-59	F 346 B0	3381	2232	Sf 30,000 g 1763-2178	5-1/2 2231
Gates, John W. Elliott-Parcell	4 A	13-198-28E	3-16-59	F 47 B0	3368	2285	Sf 40,000 g + M/A 666 1742-2173	5-1/2 2285
Gulf Oil								
Eddy State "AN"	2 E	13-198-28E	1-23-59	F 207 B0	3397	2200	Sf 35,000 g 1733-2185	4-1/2 2197
Eddy State "AN"	3 K	13-198-28E	3-24-59	F 97 B0	3379	2200	Sf 24,000 g + R/A 500 1751-2144	4-1/2 2200
Sunray Mid-Continent Oil								
State "O"	2 D	13-198-28E	2- 8-59	F 270 B0	3399	2220	Sf 30,000 g 1740-2148	5-1/2 2218

COMPANY LEASE	WELL UNIT	SEC.-T.-R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TREATMENT INTERVAL	OIL STRING SIZE DEPTH
Sunray Mid-Continent Oil State "0"	4 M	13-198-28E	4-16-59	P & A	3376	2250		
Western-Yates State "648"	145 M	14-198-28E	1-29-59	F	220 BO 3458	2500	Sf 11,000 g 1830-45 and Sf 7,500 g 1863-78 and Sf 19,500 g 2032-80	4-1/2 2500
State "648"	146 F	14-198-28E	1-13-59	F	250 BO 3447	2043	Sf 15,000 g 1784-94 and Sf 10,000 g 1834-44	4-1/2 1913
State "648"	147 E	14-198-28E	3- 4-59	F	286 BO 3463	2255	Sf 39,144 g 1808-44 and Sf 16,750 g 1916-28 and Sf 39,398 g 2076-2116	4-1/2 2255
State "648"	148 A	14-198-28E	3-23-59	F	300 BO 3408	2175	Sf 58,500 g + M/A 500 1740-2096	4-1/2 2175
State "648 Tr. 15"	149 B	14-198-28E	6-11-59	F	160 BO 3399	2288	Sf 11,500 g 1818-34 and Sf 15,000 g 1853-59 and Sf 23,000 g 2100-12	4-1/2 2287
State "648 Tr. 15" Western State	153 C 5 H	14-198-28E	10- 2-59	F	384 BO 3432	2297	Sf 45,990 g 1816-2140	4-1/2 2297
		14-198-28E	2-10-59	F	240 BO 3403	2201	Sf 11,500 g 1738-48 and Sf 9,000 g 1796-1808 and Sf 21,500 g 2052-88 and Sf 10,500 g 2124-36	4-1/2 2201
State "648 Tr. 15"	150 P	15-198-28E	6-11-59	F	150 BO 3448	2271	Sf 19,030 g 1790-1806 and Sf 20,000 g 2030-58	4-1/2 2267
State "648 Tr. 15"	151 I	15-198-28E	7- 8-59	F	225 BO ?	2141	Sf 31,580 g 1830-48	4-1/2 2118
State "648 Tr. 15"	156 O	15-198-28E	11-27-59	F	150 BO 3436	2273	Sf 47,500 g 1788-2063	4-1/2 2270
Featherstone, Olen F. Fryman State	1 F	21-198-28E	9-30-59	P	40 BO 3453	2538	Sf 28,000 g + R/A 250 1038-97	5-1/2 2538
Welch, W. C. Featherstone-Welch	1 E	22-198-28E	12-12-59	F	65 BO 3415	2593	Sf 25,200 g 1113-33	7 1760
Hanson Federal	1 C	22-198-28E	1-13-59	F	150 BO 3426	2005	Sf 27,300 g 1768-84	5-1/2 2005

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Hanson	2 F	22-198-28E	7-28-59	F 110 B0	3407	2200	Sf 42,000 g + M/A 500 1994-2178	7	2194
Western-Yates	154 B	22-198-28E	11-1-59	F 274 B0	3416	2571	Sf 49,900 g 1738-2174	4-1/2	2220
State "648 Tr. 15"	152 A	22-198-28E	7-29-59	F 1512 B0	3420	2663	R/A 1,000 g 2413-30	4-1/2	2542
Malco State	1 D	23-198-28E	3-1-59	F 150 B0	3428	2533	Sf 51,000 g 1753-1844	8-5/8	1207
Malco State	2 C	23-198-28E	5-8-59	F 105 B0	3418	2566	Sf 22,000 g 2126-2286	4-1/2	2362
Schuster & Schuster Anderson	2 F	31-198-28E	12-5-59	F & A	3393	1949			
Western Oil Field, Inc.	1 I	15-198-29E	10-15-59	F & A	3319	2625			
State "A"	1 L	18-198-29E	2-23-59	F & A	3386	3010			
Kinney, Edward E.	1 D	18-198-29E	11-24-59	F 37 B0	3386	2314	Sf 48,888 g + R/A 800 1810-2194	4-1/2	2314
Yates, John A.	1 A	35-198-29E	12-10-59	F & A	3329	1688			
Campbell-Gwaltney	1 A	1-198-30E	1-18-59	F 49 B0	3516	3339	Sf 10,000 g + R/A 750 3092-3126	5-1/2	3175
White, Emmett D.	2 J	1-198-30E	5-14-59	P 41 B0	3515	3340	Sf 10,000 g 3080-3112	5	3256
Hargrave	3 H	1-198-30E	7-28-59	F 47 B0 ?		3141	Sf 10,000 g + R/A 500 3090-118	7	3141
O'Neill, Joseph I.	2 B	2-198-31E	11-28-59	F 90 B0	3629	3587	Sf 42,000 g + M/A 250 3443-83	7	3585
Federal "E"	1 K	3-198-31E	12-20-59	F 93 B0	3604	3925	Sf 10,000 g + R/A 500 3392-426	5-1/2	3925
Federal "E"	1 B	4-198-31E	11-12-59	F 232 B0	3599	4500	Sf 9,954 g 3360-94	5-1/2	4499
Federal "E"	1 J	4-198-31E	12-14-59	F 210 B0	3575	3471	Sf 14,000 g + M/A 500 3353-71	5-1/2	3462
Dual									
Mask et al.									
State									
Texaco, Seaboard, Inc.									
Hanson, B. I.									
Carper Drilling, Inc.									
Welch									
Cherry Brothers									
Featherstone Federal									

COMPANY LEASE	WELL UNIT	SEC.-T.-R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TREATMENT INTERVAL	OIL STRING SIZE DEPTH
Texaco, Inc. USA Federal	1 C	6-198-31E	12-19-59	P 27 BO	3528	3495	Sf 20,000 g + M/A 500 3150-84	5-1/2 3484
Kersey & Company Ruby	1 C	7-198-31E	7-21-59	P & A	3467	3338		
Sun Oil English, Lucy	1 F	20-198-31E	11-23-59	P 53 BO	3432	3581	Sf 10,000 g + M/A 250 2123-85	4-1/2 2299
Reed Collier, R. D.	1 K	20-198-31E	12-27-59	P 53 BO	3443	2229	Sf 20,000 g 2099-146	5-1/2 2229
Gulf Kersey & Company	1 D	23-198-31E	10-21-59	P & A	3543	2468		
Donohue Spears & Aubrey, Partnership	1 F	13-208-27E	4-25-59	P & A	?	1003		
Zachary Wills, Neil H.	1 P	20-208-28E	3-18-59	P & A	?	765		
Harrell et al. Wright	2 A	27-208-28E	5-10-59	P & A	?	833		
Wright	1 N	27-208-28E	3-16-59	T A	3222	989		
Wright	2 J	27-208-28E	2-21-59	P & A	3223	901		
Campbell, E. P. Gulf "Bq"	1 D	32-208-29E	12-19-59	P & A	3240	1108		
Soto Oil Zachary	1 L	36-208-29E	5-28-59	P & A	3350	1734		
Shell Oil & Texas Crude Oil Big Eddy Unit "25"	1 E	25-208-31E	4- 8-59	P 38 BO	3534	7605	R/A 250 g 2181-84	7 2714
Big Eddy Unit "30"	1 P	30-208-31E	5-16-59	P 110 BO	3586	7356	Sf 20,000 g + R/A 1000 6786-6836	5-1/2 7356
Dual			6- 1-59	P 44 BO			R/A 1,000 g 2179-2244	
Phillips Petroleum Seven Rivers Hills	1 H	5-21S-25E	9- 9-59	P & A	3368	10663		

Sun Oil												
Weaver Federal	1 B	6-22S-23E	11- 2-59	T A	4130	6737						
Hudson & Hudson	1 P	6-22S-29E	1- 2-59	P & A	3303	6770						
Eddy Federal	1 O	13-23S-23E	10- 5-59	F 1800 MCF	4026	12262						Wf 10,000 g + M/A 500 9782-96 5-1/2 10151
Humble Oil & Refining												
Bandana Point Unit	1 A	12-23S-28E	7-10-59	P & A	3026	2825						
Stoltz, Deane H.	3 F	22-24S-22E	4- 3-59	P & A	5624	8670						
Marks	1 K	9-24S 27E	6- 2-59	P & A	3169	12370						
Humble Oil & Refining	1 M	15-24S-27E	2-24-59	P & A	3216	2480						
Huapache Unit "1"	1 P	36-24S-27E	7-21-59	P & A	3088	2600						
Union Oil of California	1 E	27-24S-28E	5-15-59	P & A	3006	2651						
Crawford, A. J. "B 9"	1 P	7-24S-31E	9-17-59	P & A	3534	4392						
Miller, Charles P.	1 O	24-24S-31E	6-23-59	P 25 B0	3551	8545						Sf 15,000 g + R/A 3500 7184-7200 7-5/8 8545
Hamilton Dome State												
McKinney & Leonard												
Kelly State												
Hanson & Denison												
Podhunter												
Ambassador Oil												
Richardson & Bass												
Texaco, Inc.												
Heflin Federal												
Gulf Oil												
Jennings Federal "E"	1 G	11-25S-26E	6- 9-59	P & A	3353	2167						
Sutton, R. E.	1 D	16-25S-27E	9- 3-59	P & A	3217	2320						
Humble State	1 M	15-25S-29E	3- 5-59	P & A	3032	3185						
Bennett, J. Glen	1 P	26-25S-29E	1-28-59	P & A	3035	3383						
Superior Federal "15"												
Superior "26"												
Alamo												
Superior State	1 A	5-25S-30E	7-15-59	P & A	3247	3806						
Poker Lake Unit "A-6"	10 E	14-25S-30E	2-25-59	P & A	3350	4106						
Poker Lake Unit "A-7"	11 M	17-25S-30E	9-30-59	P & A	3207	3785						

COMPANY LEASE	WELL UNIT	SEC.-T.-R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TREATMENT INTERVAL	OIL STRING SIZE DEPTH
Alamo								
Poker Lake Unit "A-9"	12 O	18-25S-30E	9-13-59	P & A	3187	3710		
Bennett, J. Glen								
Superior Federal "30"	1 M	30-25S-30E	5-18-59	P & A	3101	3517		
El Paso Natural Gas								
Welch Unit	8 N	16-26S-27E	5-12-59	P & A	3265	2226		
Welch Unit	7 E	21-26S-27E	5-12-59	P & A	3244	2181		
Chambers, Kennedy, & Ritchie								
Elmer Federal	1 P	26-26S-27E	4- 5-59	P & A	3193	2400		
Sun Oil								
State "B"	1 M	15-26S-28E	4-25-59	P & A	3022	2620		
Bennett, J. Glen								
Humble State	1 M	21-26S-28E	5- 1-59	P & A	3000	2441		
Humble Fowlkes	1 L	22-26S-28E	6-10-59	P & A	2962	2535		
Ford Chapman & Association								
Sun State "27"	1 M	27-26S-28E	12- 5-59	P & A	3043	2605		
State "34"	1 D	34-26S-28E	3- 4-59	P 22 H0	3051	2514		
Sinclair	1 D	35-26S-28E	5- 4-59	P & A	3049	2652		5-1/2 2512
Bennett, J. Glen							Sf 1,000 g OH 2512-14	
Continental Federal	1 O	1-26S-29E	12- 9-59	P & A	?	3415		
Gulf Oil								
Boothe Federal "E"	1 M	23-26S-29E	10-12-59	P & A	2900	3052		
Hankamer, Curtis								
Gulf Beaty	1 D	24-26S-29E	2- 8-59	P & A	2971	3324		
Ford Chapman & Association								
Elliott Federal	1 M	28-26S-29E	5-23-59	P & A	2881	2960		
Sinclair State "2"	1 M	2-26S-30E	12- 7-59	P & A	3201	3890		
Bennett, J. Glen								
Brunson	1 M	6-26S-30E	9-21-59	P & A	3063	3485		
Loffland, T. W.								
Brunson	2 D	6-26S-30E	8-22-59	P & A	3090	3553		

Monterey Oil	44 P	12-268-30E	6-11-59	P & A	3210	3972
Blaydes "12"						
Hankamer, Curtis	1 M	18-268-30E	10-7-59	T A	3060	3450
Federal "A"						
Chambers, Kennedy, & Ritchie	1 E	20-268-30E	3-23-59	P & A	3061	3515
USA						
Fred Pool Drilling	1 F	28-268-30E	11-30-59	P & A	2987	3428
Federal "FP"						
Texaco, Inc.	4 J	26-268-31E	2-7-59	F 141 B0	3152	4128
White Federal "NCT-1"						SF 2,500 g + R/A 1000 OH 4110-28 4-1/2 4110

GUADALUPE COUNTY

Thompson, Bert	Thucumcari 1st Nat'l Bank	1 P	20-8N-22E	9-29-59	P & A	4804	6032
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LEA COUNTY

Monterey Oil	34 O	23-98-33E	8-21-59	P & A	4329	10001
Ainsworth "23"						
T. P. Coal & Oil	1 A	36-98-34E	7-31-59	P & A	4183	4892
State "Z"						
Atlantic Refining	1 J	30-98-35E	3-5-59	J & A	4175	4752
Anderson, Samantha E.	1 J	30-98-35E	5-26-59	F 192 B0	4175	10025
Anderson, Samantha E. X						R/A 1000 g 4846-66 5-1/2 5050
Cone, Gordon M.	1 H	1-98-36E	11-13-59	F 244 B0	4050	9669
King Federal						M/A 750 g 9600-23 5-1/2 9669
Magnolia Petroleum	3 E	1-98-36E	8-19-59	F 230 B0	4059	9717
Cox Federal						R/A 500 g 9640-61 5-1/2 9717
Cactus Drilling	2 H	2-98-36E	5-9-59	F 494 B0	4060	9815
Sunray State "A"						M/A 500 g 9644-54 5-1/2 9815
Trice Production	1 I	10-98-36E	9-13-59	P & A	4071	9890
Kiker, O. L.						
Cosden Petroleum	1 J	11-98-36E	6-19-59	P 124 B0	4054	9765
Mills, R. G.						M/A 500 and R/A 10,000 9702-24 5-1/2 9765
Whitehall Oil, Inc.	1 E	14-98-36E	12-10-59	P 121 B0	4057	9811
Lovejoy, O. K.						R/A 1000 g 9692-712 5-1/2 9811

COMPANY LEASE	WELL UNIT	SEC.-T.-R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TREATMENT INTERVAL	OIL STRING SIZE DEPTH
Magnolia Petroleum Santa Fe "I"	1 H	15- 98-36E	3- 8-59	P 78 BO	4060	9726	M/A 250 g 9718-23	5-1/2 9726
Pure Oil Federal "D"	1 P	31- 98-36E	11-13-59	F 1252 BO	4070	12031	R/A 836 g 12003-023	5-1/2 12030
Texaco, Inc. Sawyer, U. D. J. C. Barnes Oil	2 G	34- 98-36E	3-25-59	F 400 BO	4036	12182	R/A 500 g 12176-180	5-1/2 12182
Warren Davis Federal Alamo	1 J	19- 98-37E	9- 8-59	P 91 BO	4014	12287	R/A 4000 g OH 12242-263	5-1/2 12242
Brown Federal McCormick "A-1"	1 P 1 E	18- 98-38E 29- 98-38E	5-21-59 3- 4-59	F 175 BO F 54 BO	3974 3951	5059 5046	R/A 10000 g 4925-99 M/A 500 and R/A 9000 4968-84	4-1/2 5059 5-1/2 5046
Sohio Petroleum State Chamblin Oil & Refining	1 K 1 D	9-108-32E 8-108-37E	6-16-59 8-22-59	P & A P & A	4373 3991	12147 5045		
Southwestern Hydrocarbon Union Federal	1 C	5-108-38E	8-15-59	F 1538 MCF	3945	5000	R/A 1000 g 4936-58	4-1/2 4999
McAlester Fuel & Texas Crude Oil State "HN"	1 N	16-118-33E	6- 7-59	F 300 BO	4297	11607	Natural 10744-770	7 11204
Amerada Petroleum State "B.F. P"	1 E	34-118-33E	2-25-59	F 439 BO	4272	9929	R/A 500 g 9880-97	5-1/2 9928
Cameron, A. A. Bogle Farms "14"	1 J 1 P	14-118-34E 15-118-34E	1- 9-59 1- 8-59	P & A P & A	? 4169	310 13250		
Hall, G. E. Shell State Ne-O-Tex	1 A 1 N	24-118-37E 29-118-38E	3- 2-59 8-10-59	P & A P & A	3943 3904	12430 12070		
Nelson, Anna M. Texaco, Inc. State "BA NCI-8"	3 H	22-128-32E	1-28-59	P 17 BO	4354	3050	SF 1,000 g + R/A 500 3006-31	4-1/2 3050

COMPANY LEASE	WELL UNIT	SEC.-T.-R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TREATMENT INTERVAL	OIL STRING SIZE DEPTH
Monterey Oil Selman, G. C.	1 O	22-12S-37E	4-28-59	F & A	3908	12584		
Great Western Drilling State "R"	4 F	5-13S-32E	8- 6-59	F 55 B0	4372	3052	Natural OH 3033-52	5-1/2 3033
	2 M	5-13S-32E	6-20-59	F 70 B0	4384	3069	Sf 7,500 g + M/A 500 OH 3049-69	7 3049
State "S"	3 K	5-13S-32E	8-25-59	P 51 B0	4375	3064	Natural OH 3044-64	5-1/2 3044
	4 N	5-13S-32E	8-30-59	P 35 B0	4379	3071	Sf 7,500 g + A 500 3051-71	4-1/2 3051
Graridge N. Caprock Q. Ut. "1-6"	5 E	6-13S-32E	5-23-59	F 34 B0	4388	3048	Sf 7,000 g 3012-22	5-1/2 3022
	11 K	7-13S-32E	10- 7-59	P 1 B0	4399	3065	Natural OH 3051-65	5-1/2 3051
Great Western Drilling N. Caprock Q. Ut. "Tr. 2-18"	7 G	18-13S-32E	10-22-59	P 51 B0	?	3070	Sf 7,500 g OH 3051-70	5-1/2 3051
Union Oil of California Duncan, R. W., "B 6"	2 B	6-13S-36E	12-14-59	F & A	4027	10532		
Cosden Petroleum Maxwell, A. L.	1 D	6-13S-38E	9-30-59	F & A	3874	12346		
Lone Star Products Lowe, Brady M., "A"	1 F	20-13S-38E	8- 8-59	F & A	3841	12635		
British American Oil Products New Mexico "D"	1 F	34-13S-38E	7-26-59	F & A	3819	12555		
Eastland Drilling Phillips State	1 D	23-14S-32E	1-16-59	P & A	4308	3600		
Texaco, Inc. State "BG"	2 M	14-14S-33E	3-30-59	F 240 B0	4206	10000	R/A 500 g 9837-9920	5-1/2 9999
State "AT"	3 P	15-14S-33E	5-28-59	F 174 B0	4213	10000	R/A 500 g 9748-910	5-1/2 9999
State "AT"	4 I	15-14S-33E	9-19-59	F 540 B0	4210	10000	R/A 500 g 9927-74	4-1/2 1000
State "AN"	7 A	22-14S-33E	2- 8-59	F 185 B0	4213	10000	R/A 500 g 9858-84	5-1/2 10000
State "AN"	8 H	22-14S-33E	7- 7-59	F 569 B0	4210	10000	M/A 1000 g 9866-9930	7-5/8 4122
Amerada Petroleum State "S-J"	6 K	23-14S-33E	4-13-59	P 55 B0	4200	9922	R/A 2500 g 9892-9902	5-1/2 9918
	7 C	23-14S-33E	5- 3-59	P 25 B0	4201	9946	R/A 1000 g 9780-9932	5-1/2 9943

Atlantic Refining State "R"	3 B	27-14S-33E	3-31-59	F 192 B0	4214	10000	M/A 500 g 9910-26	5-1/2 10000
Hurley, Harvey L.								
Atlantic State	2 M	27-14S-33E	1-20-59	F 243 B0	4214	10003	M/A 1000 g 9911-37	5-1/2 10002
Atlantic State	3 O	27-14S-33E	2-28-59	F 388 B0	4207	9996	M/A 500 g 9822-64	5-1/2 9982
Atlantic State "A"	3 L	27-14S-33E	7-25-59	F 260 B0	4212	10010	R/A 1000 g 9905-26	5-1/2 10010
Atlantic State "Ac 3"	5 J	27-14S-33E	10-6-59	F 336 B0	4206	10020	A 1500 g 9822-9934	5-1/2 10020
Amerada Petroleum								
State "S-H"	4 O	28-14S-33E	4-5-59	F 143 B0	4219	9988	R/A 500 g 4939-72	5-1/2 9984
State "S-H"	5 N	28-14S-33E	5-24-59	F 163 B0	4223	10030	R/A 500 g 9965-85	5-1/2 10030
State "S-K"	1 P	29-14S-33E	2-21-59	F 58 B0	4234	10200	R/A 500 g 9944-76	5-1/2 10195
Stevens, J. E.	7 G	33-14S-33E	7-16-59	F 226 B0	4216	10015	R/A 500 g 9956-80	5-1/2 10011
Stevens, J. E.	8 J	33-14S-33E	8-28-59	F 255 B0	4215	10010	R/A 500 g 9934-56	5-1/2 10008
Cosden Petroleum								
State "B"	1 F	33-14S-33E	5-20-59	F 260 B0	4223	10053	M/A 500 g 9974-80	5-1/2 10053
Shell Oil								
State "SC"	1 C	33-14S-33E	8-9-59	P 120 B0	4221	10112	M/A 500 and R/A 15000 9654-82	5-1/2 10110
Pan American Petroleum								
East Saunders Unit	1 F	12-14S-34E	6-9-59	P & A	4104	14975		
T. F. Coal & Oil								
Simmons-Schenck	1 L	12-14S-37E	12-19-59	P & A	3837	13110		
Eastland Drilling								
Phillips State "A"	1 H	4-15S-32E	1-18-59	P & A	4322	3600		
Trainer, C. W.								
Ethcevery State "C"	1 A	5-15S-34E	8-6-59	P & A	?	14842		
Cosden Petroleum								
Snyder, W. M.	1 G	35-15S-35E	7-31-59	F 147 B0	3964	10735	R/A 4500 g 10590-685	5-1/2 10735
Trice Production								
Fisher, George A.	1 H	29-15S-36E	7-2-59	P & A	3912	11871		
Lee Drilling								
Sinclair State	1 D	28-16S-32E	12-13-59	P & A	4341	4817		
Aztec Oil & Gas								
State "R-A"	1 O	30-16S-32E	9-2-59	F 60 B0	4166	4090	Sf 40,000 g + R/A 1000 3824-4047	4-1/2 4090

COMPANY LEASE	WELL UNIT	SEC.-T.-R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TREATMENT INTERVAL	OIL STRING SIZE DEPTH
Aztec Oil & Gas Federal "R"	1 E	31-16S-32E	7-27-59	F 60 B0	4140	4098	Sr 42,000 g + R/A 1000 3796-3996	4-1/2 4098
	2 D	31-16S-32E	8-13-59	F 60 B0	4156	4074	Sr 40,000 g 3814-4010	4-1/2 4074
	3 C	31-16S-32E	8-31-59	F 60 B0	4138	4080	Sr 60,000 g + R/A 1000 3814-4010	4-1/2 4080
State "R"	1 M	31-16S-32E	10- 2-59	F 51 B0	4093	4019	Sr 40,000 g + A 1000 3802-3997	4-1/2 4019
State "R"	2 K	31-16S-32E	11-29-59	F 43 B0	4100	4020	Sr 36,000 g + R/A 1000 3870-3954	4-1/2 4020
State "R"	3 N	31-16S-32E	10-30-59	F 44 B0	4089	4216	Sr 26,000 g + A 2000 3806-4204	4-1/2 4216
State "RC"	1 L	31-16S-32E	11-14-59	F 41 B0	4111	4020	Sr 31,000 g + R/A 1000 3776-3978	4-1/2 4020
McGrath & Smith Humble State "A"	1 P	31-16S-32E	7- 8-59	F 50 B0	4119	4075	Sr 40,000 g 3594-4053	5-1/2 4075
Shell Oil State "WP"	1 C	35-16S-33E	10-28-59	P & A	4188	11706		
Pure Oil Lea State "G"	1 I	7-16S-34E	10-31-59	P 163 B0	4158	4000	Sr 2,000 g + R/A 500 3934-54	5-1/2 3999
Lea State "G"	2 J	7-16S-34E	12-24-59	P 183 B0	4161	3984	Sr 20,000 g + R/A 500 3924-44	5-1/2 3983
Shell Oil State "W0"	2 L	8-16S-34E	1-11-59	P 206 B0	4150	4002	Sr 20,000 g + M/A 100 3940-56	5-1/2 4000
State "WL"	2 L	9-16S-34E	3-11-59	T A	4138	4050		
Pure Oil Lea State "E"	3 I	21-16S-34E	4-18-59	F 297 B0	4111	10765	M/A 500 g 10712-726	5-1/2 10764
Tennessee Gas Transmission State "D"	1 E	28-16S-34E	2-28-59	F 256 B0	4119	10955	R/A 1000 g 10764-780	5-1/2 10947
Kemnitz State "A"	6 I	30-16S-34E	2- 2-59	P 68 B0	4139	10970	M/A 750 g 10288-295	5-1/2 10536

PETROLEUM DEVELOPMENTS, 1959

Ashman & Hilliard #3 Ltd. Henderson, J. E. Santiago Oil & Gas Atlantic Federal	1 T 1 H	1-168-36E 3-178-32E	6-19-59 11-29-59	P & A F 53 B0	3889 4283	13790 4449	Sf 24,000 g + R/A 2500 4091-4278 and Sf 8,000 + R/A 600 E 4356-63	5-1/2 4440
Boller & Nichols Iles Iles Federal Santiago Oil Phillips Sprague	4 O 5 P 3 P	9-178-32E 9-178-32E 12-178-32E	11- 4-59 12-11-59 7-11-59	F 704 B0 F 320 B0 F 64 B0	4083 4094 4186	4125 4144 4729	Sf 25,000 g 3810-4094 Sf 25,000 g 3830-4110 Sf 22,000 g + R/A 2000 4129-4433 and Af 30,000 4573-4679	5-1/2 4125 5-1/2 4144 5-1/2 4715
Phillips Sprague	4 B	12-178-32E	7-22-59	F 64 B0	4186	4729	Sf 28,000 g + R/A 2000 4189-4488	5-1/2 4755
Baxter, Murphy H. State "18-13"	3 I	13-178-32E	5- 5-59	F 60 B0	4123	4418	Sf 40,000 g + R/A 4000 4068-4229	5-1/2 4418
State "18-13"	4 J	13-178-32E	3-17-59	F 50 B0	4109	4432	Sf 75,000 g + R/A 8000 4029-4362	5-1/2 4431
State "18-13"	5 O	13-178-32E	5-22-59	F 52 B0	4098	4352	Sf 50,000 g + R/A 4000 4045-4234	5-1/2 4349
State "18-13"	6 P	13-178-32E	3- 5-59	F 54 B0	4118	4485	Sf 15,000 g + R/A 1000 4017-27 and Sf 15,000 g + R/A 1000 E 4072-52 and Sf 20,000 g + R/A 2000 g 4100-24	5-1/2 4485
Santiago Oil & Gas Darlington State	4 F	13-178-32E	12-21-59	F 51 B0	4137	4413	Sf 40,000 g + R/A 4500 4118-388	5-1/2 4408
Darlington State	5 E	13-178-32E	12-13-59	F 49 B0	4121	4400	Sf 36,000 g + R/A 4000 4031-290	5-1/2 4392
Fielder Trust State Fielder Trust State	4 H 5 G	13-178-32E 13-178-32E	9-23-59 9-10-59	F 47 B0 F 52 B0	4136 ?	4460 4435	Sf 28,000 g 4133-72 Sf 40,000 g + A 5000 4117-4371	5-1/2 4454 5-1/2 4433
Fielder Trust State Fielder Trust State	6 K 7 N	13-178-32E 13-178-32E	8-28-59 8- 5-59	F 56 B0 F 82 B0	4112 4094	4410 5025	Sf 45,000 g 4018-4360 Sf 40,000 g + R/A 3600 3989-4330	5-1/2 4388 5-1/2 5023

COMPANY LEASE	WELL UNIT	SEC.-T.-R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TREATMENT INTERVAL	OIL STRING SIZE DEPTH
Santiago Oil & Gas Fielder Trust State	8 M	13-17S-32E	12- 2-59	F 47 BO	4105	4371	Sf 27,000 g + R/A 3500 4063-4181	5-1/2 4361
Fielder Trust State	9 L	13-17S-32E	12- 8-59	F 61 BO	4105	4370	Sf 50,000 g + R/A 4000 4016-186	5-1/2 4364
Fielder Trust State	10 B	13-17S-32E	12- 1-59	F 49 BO	4173	4470	Sf 50,000 g + R/A 6000 4161-4436	5-1/2 4466
Fielder Trust State	11 A	13-17S-32E	10-27-59	F 50 BO	4160	4455	Sf 41,000 g + A 2700 4180-423	5-1/2 4451
Continental Oil State "B"	3 J	16-17S-32E	4- 3-59	F 104 BO	4037	4318	Sf 18,000 g + R/A 750 3754-3812	5-1/2 4318
State "B"	4 G	16-17S-32E	4-15-59	F 56 BO	4062	4293	Sf 24,000 g + R/A 1000 3764-4047	5-1/2 4293
State "B"	5 I	16-17S-32E	6-24-59	F 50 BO	4044	4224	Sf 5,000 g 3784-3862	5-1/2 4224
State "B"	6 B	16-17S-32E	7-26-59	F 66 BO	4084	4196	Sf 8,000 g 3888-94 and Sf 3,000 g + R/A 250 4063-71	5-1/2 4196
State "B"	7 H	16-17S-32E	9-16-59	J & A	?	254		
State "B" X	7 H	16-17S-32E	11-10-59	F 933 BO	4063	4147	Sf 91,928 g + R/A 1000 3869-3946	5-1/2 4147
Roy H. Smith Drilling Gulf State	3 L	16-17S-32E	8-29-59	F 147 BO	4057	4169	Sf 21,000 g + R/A 1000 3778-3860	5-1/2 4168
Smith State "E-611"	1 K	16-17S-32E	7- 1-59	F 151 BO	4039	4350	Sf 3,300 g 3772-78 and Sf 6,660 g 3798-3804	5-1/2 4153
Continental Oil Mitchell "B"	29 L	17-17S-32E	3- 1-59	F 333 BO	4006	4336	Sf 20,000 g + M/A 750 3784-3829 and 4071-164 and R/A 1000 g 3862-68	5-1/2 4335

Mitchell "B"	32 O	17-17S-32E	8- 5-59	F 18 B0	4021	4180	Sf 26,000 g + R/A 1000 3678-3952 and Af 6,000 4101-07	5-1/2 4180
Mitchell "B"	35 J	17-17S-32E	6-24-59	F 192 B0	4017	4200	Sf 25,000 g 3758-3838	5-1/2 4200
Mitchell "B"	39 G	17-17S-32E	8-31-59	F 47 B0	?	4208	Sf 50,000 g + R/A 3900 3995-4003	5-1/2 4208
Mitchell "B"	30 H	18-17S-32E	5-14-59	F 36 B0	4001	4400	Af 22,000 g and R/A 1500 Sf 46,000 g 3729-4188	5-1/2 4400
Mitchell "B"	31 B	18-17S-32E	5-22-59	F 49 B0	3993	4244	Sf 34,000 g + R/A 1500 3709-4128	5-1/2 4242
Mitchell "B"	34 P	18-17S-32E	7-23-59	F 21 B0	3986	4200	Sf 20,000 g + R/A 250 3714-74 and Sf 3,000 g 3928-34	5-1/2 4200
Mitchell "B"	37 J	18-17S-32E	6-30-59	F 45 B0	3980	4200	Sf 3,000 g + M/A 200 3710-3943	5-1/2 4200
Mitchell "B"	38 N	18-17S-32E	8-10-59	F 16 B0	3964	4160	Sf 8,000 g 3759-66 M/A 500 g R/A 4000 4089-4110	5-1/2 4160
Mitchell "B"	28 J	20-17S-32E	7-27-59	T A	4017	13965	R/A 5000 g 10726-786	7 13642
Baish "A"	27 I	21-17S 32E	7-10-59	P 45 B0	4052	13670	A 5000 g 9850-62	
Triple				P 183 B0			A 1500 g 8977-87	
Baish "B"	13 B	22-17S-32E	8-24-59	F 470 B0		4160	Sf 40,000 g + M/A 250 3946-4033	5-1/2 4160
Baish "B"				F 133 B0	4018			
Drilling & Exploration, Inc.								
Johns "B"	9 G	24-17S-32E	1-20-59	F 174 B0	4093	4393	Sf 30,000 g + R/A 500 4176-4200	5-1/2 4392
Johns "B"	10 J	24-17S-32E	2-21-59	F 199 B0	4077	4391	Sf 30,000 g + M/A 800 4150-70	5-1/2 4390
Johns "B"	11 C	24-17S-32E	9-25-59	F 281 B0	4075	4396	Sf 30,000 g + A 1000 4120-4150	4-1/2 4395
Johns "B"	12 D	24-17S-32E	10-21-59	F 223 B0	?	4403	Sf 30,000 g + R/A 1000 4112-4178	4-1/2 4402
Kewanee Oil								
Pearsall "A-R"	16 O	33-17S-32E	1-30-59	P & A	3905	3650		

COMPANY LEASE	WELL UNIT	SEC.-T.-R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TREATMENT INTERVAL	OIL STRING SIZE DEPTH
Santiago Oil & Gas Phillips Sprague	1 K	7-17S-33E	5-16-59	F 122 B0	4237	5010	Sf 31,000 g + R/A 2300 4226-4474 and Sf 6,000 + R/A 1000 g 4707-17	5-1/2 4864
Phillips Sprague	2 L	7-17S-33E	6-28-59	P 85 B0	4242	4751	Sf 56,500 g + R/A 3000 4195-4730	5-1/2 4735
Tidewater Oil Getty State "J"	1 H	7-17S-33E	7-21-59	P 22 B0	4224	4470	Sf 35,000 g + R/A 4000 4213-4362	5-1/2 4468
Pittman, W. E. Shell State	1 H	8-17S-33E	2-12-59	F 22 B0	4212	4465	Sf 25,000 g + M/A 500 4290-4426	5-1/2 4465
Maguire, Russell Phillips State "9"	4 K	9-17S-33E	7- 4-59	P 45 B0	4201	4451	Sf 20,000 g + R/A 3000 4344-4444	5-1/2 4449
Cabeen Exploration State "D"	1 D	13-17S-33E	12-30-59	P & A	4144	4830		
Pair Oil State	1 E	16-17S-33E	7-23-59	F 62 B0	4206	4490	R/A 5000 g 4240-4396	5-1/2 4480
State	2 D	16-17S-33E	6-29-59	F 46 B0	4210	4489	Sf 30,000 g + R/A 1000 4271-4412	5-1/2 4472
State	3 F	16-17S-33E	8-31-59	P 42 B0	4199	4461	Sf 35,000 g + R/A 1500 4250-4411	5-1/2 4461
State	4 C	16-17S-33E	9-12-59	P 52 B0	4201	4439	Sf 35,000 g + R/A 1000 4270-4338	5-1/2 4437
Baxter, Murphy H. State "18-13"	1 K	18-17S-33E	4- 7-59	F 62 B0	4233	4561	Sf 30,000 g + R/A 2000 4203-4446	5-1/2 4559
State "18-13"	2 L	18-17S-33E	4-28-59	F 61 B0	4182	4479	Sf 61,000 g + R/A 2000 4124-4380	5-1/2 4479
Santiago Oil & Gas Fielder Trust State	1 C	18-17S-33E	10-25-59	F 48 B0	4240	4588	Sf 30,000 g + R/A 2000 4186-4535	5-1/2 4581

Fielder Trust State	2 F	18-17S-33E	10- 7-59	F 49 B0	4234	4571	Sf 40,000 g + R/A 4000 4211-4455	5-1/2 4552
Fielder Trust State	3 E	18-17S-33E	11-11-59	F 51 B0	4192	4525	Sf 35,000 g + R/A 3000 4218-376	5-1/2 4520
Fielder Trust State	12 D	18-17S-33E	11- 2-59	F 57 B0	4167	4470	Sf 40,000 g + R/A 4000 4191-4367	5-1-1/2 4466
Phillips Petroleum Leamex	7 F	23-17S-33E	3- 2-59	F 843 B0	4148	11417	R/A 500 g 11287-307	5-1-1/2 11416
Carl J. Westlund, Inc. Philmix State	5 H	29-17S-33E	2- 9-59	F 145 B0	4130	4490	Sf 51,000 g + R/A 6040 4137-4472	5-1-1/2 4490
Philmix State	6 B	29-17S-33E	6-29-59	P 42 B0	4125	4500	Sf 45,000 g + R/A 4300 4110-4440	5-1-1/2 4497
Carper Drilling, Inc. Federal "MA-A"	1 C	31-17S-33E	12-26-59	F 432 B0	4008	10015	M/A 250 and R/A 5000 8582-652	5-1-1/2 8998
Texaco, Inc. New Mexico State "V"	8 D	34-17S-34E	8-29-59	P 19 B0	4052	4750	Sf 20,000 g + R/A 1000 4505-4660	4-1-1/2 4749
Westlund, Carl J. Shell State	2 I	19-17S-35E	7- 8-59	P 48 B0	3980	4816	Sf 30,000 g + R/A 4000 4474-4794	5-1-1/2 4816
Shell State	1 D	20-17S-35E	5-15-59	P 50 B0	3990	4945	Sf 50,000 g 4547-4729	5-1-1/2 4945
Texaco, Inc. State "CG"	1 H	30-17S-35E	3- 2-59	F 252 B0	3985	4700	Sf 30,000 g + R/A 2000 4284-4624	4-1-1/2 4700
Amerada Petroleum State "LC"	1 I	1-17S-36E	12- 2-59	P & A	3828	12704		
Inca Drilling Hardin, Valliye M. et al.	1 P	31-17S-39E	2-12-59	P & A	?	5497		
Ochiltree, C. N. Walker Federal "A"	2 N	5-18S-32E	6-28-59	T A	?	3741		
Roy H. Smith Drilling Walker Federal "A"	3 G	5-18S-32E	6-19-59	P 6 B0	3860	2714	Sf 46,600 g 2672-80	5-1-1/2 2713
Gulf Oil McCurdy Federal	1 A	25-18S-32E	11-20-59	P & A	3787	7200		

<u>COMPANY</u> <u>LEASE</u>	<u>WELL</u> <u>UNIT</u>	<u>SEC.-T.-R.</u> <u>DATE</u>	<u>COMP.</u> <u>TEST</u>	<u>INIT.</u> <u>PROD.</u> <u>TEST</u>	<u>ELEV.</u>	<u>TOTAL</u> <u>DEPTH</u>	<u>TREATMENT</u> <u>INTERVAL</u>	<u>OIL STRING</u> <u>SIZE</u> <u>DEPTH</u>
Texaco, Inc. State "R NCT-3" Continental Oil	14 M	1-188-34E	8-12-59	P & A	4008	3902		
Tonto Deep Unit Ambassador Oil	1 N	22-188-34E	6- 2-59	F 121 B0	4009	14925	R/A 5500 g 11394-423	7 14492
State X	1 L	26-188-34E	3- 2-59	P & A	4003	4904		
Standard Oil of Texas Vac Edge Unit	1 O	4-188-35E	11-11-59	P & A	3947	12630		
Pure Oil Reeves "26"	2 N	26-188-35E	7-30-59	F 894 B0	3873	11750	Natural 11503-528	7 11750
Vacuum Unit "26" Magnolia Petroleum	1 M	26-188-35E	4-11-59	F 940 B0	3890	11756	Natural 11611-639	5-1/2 11755
State "27"	2 H	27-188-35E	9- 7-59	F 257 B0	3897	13813	R/A 500 g 11570-600	7 11950
Pure Oil South Vacuum Unit "27"	1 I	27-188-35E	10-12-59	F 414 B0	3899	11755	A 500 g 11652-713	5-1/2 11754
South Vacuum Unit	3 C	35-188-35E	1-27-59	F 522 B0	3883	11725	Natural 11588-612	5-1/2 11725
Tidewater Oil State "B"	2 G	14-188-37E	12-10-59	F 37 B0	3697	4275	Sf 10,000 g + R/A 1000 4208-32	5-1/2 4274
Cities Service Products Shipp	1 E	23-188-37E	12-17-59	F 14 B0	3691	4250	Sf 5,000 g + R/A 500 4065-128 and Sf 10,000 + R/A 5500 g 4168-230	5-1/2 4248
T. P. Coal & Oil State "V" Account 2	3 C	23-188-37E	2-21-59	F 166 B0	3691	4297	Sf 25,000 g 4088-4212	5-1/2 4296
State "V" Account 2	4 F	23-188-37E	3-21-59	F 153 B0	3690	4299	Sf 30,000 g + M/A 1000 4092-4236	5-1/2 4299
State "V" Account 2	5 K	23-188-37E	6-12-59	F 283 B0	3689	4330	Sf 20,000 g + M/A 1000 4146-4256	5-1/2 4330
State "V" Account 2	6 N	23-188-37E	8- 1-59	P 126 B0	3685	4390	Sf 35,000 g + R/A 1000 4174-4262	5-1/2 4389

Bennett, Byard Gulf State	1 B	26-18S-37E	12- 7-59	P 45 B0	3680	4268	Sf 18,900 g + R/A 1000 4200-56	4-1/2 4263
Bishop Canyon Uranium								
Keohane, B. M.	1 I	2-18S-38E	3- 7-59	P & A	3664	5296		
Fugue, H. B.	1 P	4-18S-38E	5-15-59	P & A	3665	5005		
Houston, Opal	1 A	9-18S-38E	5- 7-59	P 10 B0	3666	4940	M/A 1500 and R/A 3000 4790-4805	5-1/2 4940
Griffin, C. M.	1 E	10-18S-38E	2-20-59	P 63 B0	3661	4995	R/A 2500 g 4800-07	5-1/2 4983
Forest "A"	1 A	11-18S-38E	1- 7-59	P 30 B0	3663	5112	M/A 500 and R/A 2000 4884-90	5-1/2 5060
Amerasa Petroleum								
Hardin, B.	5 K	18-18S-38E	5-11-59	P 88 B0	3676	4290	R/A 500 g 4024-62	4-1/2 4289
Gulf Oil								
Hardin, Dan W.	4 G	18-18S-38E	3-16-59	F 227 B0	3674	4170	Sf 20,000 g + R/A 500 4064-4112	4-1/2 4168
Hardin, Dan W.	5 J	18-18S-38E	5-20-59	F 58 B0	3674	4170	Sf 20,000 g + R/A 500 4052-4107	4-1/2 4170
Hardin, Dan W.	6 H	18-18S-38E	9-16-59	P 1442 B0	3672	4177	Sf 20,000 g + A 500 4139-4168	4-1/2 4177
Moran, R. M.								
Hardin "B"	3 D	18-18S-38E	6- 7-59	F 50 B0	?	4170	Sf 20,000 g + R/A 1000 4066-4166	4-1/2 4170
Sinclair Oil & Gas								
Grimes, W. D. "A"	2 F	28-18S-38E	2-20-59	F 218 B0	3657	4240	M/A 500 g 4133-53	7 4240
Danglade, F. J.								
Fee	1 O	6-18S-39E	2- 1-59	P 26 B0	3666	5199	R/A 7000 g OH 5121-99	5-1/2 5121
Simms & Reese Oil								
Gulf	1 L	19-19S-32E	12-30-59	P & A	3547	2640		
Kersey								
Atlantic	1 L	21-19S-32E	9-18-59	P & A	?	2710		
Kirklín Drilling, Inc.								
Littlefield Federal "BJ"	1 D	5-19S-34E	10-12-59	P & A	?	4853		
Diamond Drilling								
State	1 O	10-19S-34E	6- 9-59	P & A	3905	5098		
Drilling & Exploration								
Brainard Federal	1 J	19-19S-34E	11-19-59	P & A	3698	5713		

COMPANY LEASE	WELL UNIT	SEC.-T.-R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TREATMENT INTERVAL	OIL STRING SIZE DEPTH
Shell Oil	1 A	24-198-34E	9-16-59	P & A	3862	6200		
Matlock Federal								
Cactus Drilling	1 K	25-198-34E	10-15-59	P 33 B0	3755	5112	Sf 7,500 g 4796-806	4-1/2 5056
Superior Federal								
Drilling & Exploration	1 N	28-198-34E	12-17-59	P & A	3699	5805		
Federal								
Hudson & Hudson	1 O	33-198-34E	11-17-59	P & A	3657	3899		
Signal Federal								
Shell Oil	3 O	21-198-35E	11-6-59	P 55 B0	3761	4950	Sf 25,000 g + M/A 250 4694-4872	5-1/2 4949
McIntosh "D"								
Skelly Oil	3 M	21-198-35E	8-1-59	T A	3764	4990		
Hobbs "J"								
Shell Oil	4 J	22-198-35E	10-23-59	P 22 B0	3749	4910	Sf 20,000 g + M/A 250 4772-4846	5-1/2 4900
Kimberlin								
Trainer, C. W.	1 F	22-198-35E	10-21-59	P 182 B0	3752	4923	M/A 500 g 4835-44	4-1/2 4920
Signal State	2 C	22-198-35E	12-11-59	P 96 B0	3757	4930	M/A 500 g 4846-56	4-1/2 4929
Signal State								
Penrose, Neville G.	1 G	22-198-35E	4-18-59	P & A	3749	4875		
Rushing								
Shell Oil	1 F	25-198-35E	7-13-59	P & A	3686	4975		
Record "B"	3 G	26-198-35E	6-29-59	P & A	3708	4965		
Record								
Cabot Carbon	8 M	27-198-35E	3-19-59	P 110 B0	3723	4862	Sf 20,000 g + M/A 500 OH 4848-62	4-1/2 4848
State "G"								
Shell Oil	3 P	27-198-35E	5-13-59	P & A	3713	5015		
Allen Estate	3 L	27-198-35E	3-28-59	F 349 B0	3728	5070	Sf 13,776 g + M/A 250 4708-16	5-1/2 5065
McIntosh								
State "PA"	2 N	27-198-35E	5-24-59	P 33 B0	3721	5032	Sf 15,000 g + M/A 200 4738-46	5-1/2 5024

Cabot Carbon State "G"	7 P	28-198-35E	2- 7-59	F 464 B0	3718	4932	Sf 20,000 g 4842-51	4-1/2	4932
Shell Oil									
McIntosh "C"	4 H	28-198-35E	1-11-59	F 360 B0	3735	4960	Sf 33,650 g 4691-4870	5-1/2	4960
McIntosh "C"	5 I	28-198-35E	3-19-59	P 161 B0	3724	5075	Sf 11,000 g + M/A 250 4711-15	5-1/2	5067
Cactus Drilling Gulf State "A"	4 N	29-198-35E	3-18-59	P 73 B0	3747	4996	Sf 10,000 g OH 4967-96	5-1/2	4967
Gulf Oil									
Lea State "IH"	2 O	29-198-35E	4-24-59	P 72 B0	3754	4989	Sf 24,000 g + R/A 500 4764-4974	4-1/2	4989
Lea State "IH"	3 M	29-198-35E	12- 4-59	P 99 B0	3753	4950	Sf 10,000 g + R/A 600 4794-4939	4-1/2	4949
Shell Oil									
State "PK"	1 E	29-198-35E	12-23-59	P 133 B0	3774	5126	Sf 20,000 g + M/A 250 4966-5030	5-1/2	5125
Skelly Oil									
Hobbs "J"	2 A	29-198-35E	1- 1-59	P 52 B0	3755	5117	Sf 30,000 g + M/A 500 4966-72	5-1/2	5082
Cactus Drilling Gulf State "B"	1 M	30-198-35E	8-26-59	P & A	3790	3740			
Gulf Oil									
Lea State "AP"	1 P	30-198-35E	12-20-59	P 64 B0	3751	4985	Sf 10,000 g + R/A 600 4803-949	4-1/2	4981
Cactus Drilling									
Aztec State	2 B	31-198-35E	3-28-59	P 68 B0	3735	4927	Natural OH 4835-4927	7	4835
Aztec State	3 C	31-198-35E	9-29-59	T A	3735	5043			
Phillips State "C"	1 K	32-198-35E	2- 9-59	P 59 B0	3709	5020	Sf 20,000 g + M/A 500 4172-80	4-1/2	4565
Phillips State "C"	2 L	32-198-35E	7-24-59	F 2000 MCF	3712	5075	Sf 20,000 g + M/A 500 4046-56	7	4710
Gulf Oil									
Lea State "AQ"	1 A	32-198-35E	1-26-59	P 97 B0	3746	4970	Sf 10,000 g + R/A 500 4772-4932	4-1/2	4968
Lea State "AQ"	2 B	32-198-35E	7-13-59	F 137 B0	3742	4962	Sf 10,000 g + A 250 4774-4926	4-1/2	4950

COMPANY LEASE	WELL UNIT	SEC.-T.-R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TREATMENT INTERVAL	OIL STRING SIZE DEPTH
Gulf Oil								
Lea State "AQ"	3 C	32-198-35E	8-14-59	F 158 B0	3740	4985	Sf 12,604 g + R/A 500 4785-4932	4-1/2 4985
Lea State "AQ"	4 D	32-198-35E	9-29-59	F 60 B0	3742	4950	Sf 10,000 g + A 300 4729-87	4-1/2 4948
Lea State "AQ"	5 F	32-198-35E	11-20-59	F 310 B0	3729	4940	Sf 11,300 g + R/A 1500 4786-930	4-1/2 4936
Lea State "BG"	3 B	33-198-35E	2-25-59	F 143 B0	3713	4933	Sf 20,000 g + R/A 500 4737-4885	4-1/2 4933
Lea State "BG"	4 A	33-198-35E	4-28-59	F 127 B0	3705	4905	Sf 20,000 g + M/A 500 4735-4870	4-1/2 4905
Shell Oil								
State "PD"	2 C	34-198-35E	10-13-59	F 357 B0	3713	5000	Sf 30,000 g + M/A 250 4757-954	5-1/2 4992
State "PD"	3 F	34-198-35E	11-30-59	F 246 B0	3704	5050	Sf 36,000 g + M/A 400 4722-964	5-1/2 5046
Record	2 G	35-198-35E	12- 1-59	F 125 B0	?	14100	A 2000 g 12642-66	7 13698
Record	4 F	35-198-35E	9-25-59	P & A	3700	5600		
State "PJ"	1 F	36-198-35E	8- 4-59	P & A	3679	5500		
Bennett, Byard								
Lea State	1 J	1-198-36E	11-13-59	P & A	3739	4028		
Continental Oil								
State "A-26"	4 D	26-198-36E	6- 9-59	F 41 B0	3715	4062	Sf 15,000 g + R/A 1000 3844-3976	5-1/2 4062
Sinclair Oil & Gas								
Selby Maveety "A"	1 N	35-198-36E	10-30-59	J A	?	2310		
Selby Maveety "A" X	1 N	35-198-36E	11-19-59	F 264 B0	3613	3950	Sf 4,000 g + R/A 1500 3873-85	2-7/8 3948
Shell Oil								
State "B"	5 F	36-198-36E	3- 5-59	P & A	3607	10305		
Diamond Drilling, Inc.								
Shipp, Elbert	1 I	21-198-37E	4-29-59	F 50 B0	3625	4140	Sf 15,000 g + M/A 500 3829-3839	5-1/2 4104

PETROLEUM DEVELOPMENTS, 1959

Shipp, Elbert	2 H	21-198-37E	6-25-59	F 39 B0	3644	3960	Sf 30,000 g + R/A 500 3894-3905	5-1-2 3959
Long, C. E. Huston	1 K	21-198-37E	10- 7-59	F 40 B0	3651	4003	Sf 30,000 g + R/A 2500 3861-71	4-1-2 4003
Sinclair Federal	2 N	21-198-37E	5-11-59	F 44 B0	3633	3909	Sf 5,000 g + R/A 1000 3860-70	4-1-2 3908
Texas Crude Oil McNeill "25"	1 G	25-198-37E	8-14-59	F & A	3617	4304		
Long, C. E. Sinclair Federal	1 C	28-198-37E	5- 7-59	F 64 B0	3633	3934	Sf 6,000 g + R/A 1000 3875-93	4-1-2 3934
Sinclair Oil & Gas Phillips, J. R. "A"	8 M	31-198-37E	3-16-59	F 4963 MCF	3572	9900	Natural 9528-9614	5-1-2 9899
Kelly, John M. Cruthchfield	1 I	32-198-37E	3-27-59	P 50 B0	3572	3950	Sf 21,000 g + R/A 1750 3869-90	5-1-2 3946
Byrom, W. K. Williams "B"	3 I	33-198-37E	3- 4-59	F 55 B0	3571	3888	Sf 20,000 g + R/A 500 OH 3862-88	5-1-2 3862
Cities Service Oil Fowler "B"	1 K	6-198-38E	3-12-59	P 12 B0	3628	4250	Sf 10,000 g 4146-4214 R/A 6000 g 4146-88 and R/A 2000 g 4202-14	5-1-2 4250
Pan American Petroleum State "H"	3 D	6-198-38E	1-29-59	F 38 B0	3654	4272	Sf 10,000 g + R/A 10000 4154-4220	5-1-2 4272
Amerada Petroleum State "WH-C"	1 I	8-198-38E	6-26-59	F 1 B0	3612	4180	Sf 22,274 g + A 750 4132-70	4-1-2 4179
Gulf Oil Orcutt, H. T.	1 F	8-198-38E	9-29-59	F 15 B0	3616	4195	Sf 10,680 g + A 13500 4152-62 and A 2000 g OH 4175-95	4-1-2 4175
Skelly Oil Mexico "U"	2 G	8-198-38E	3- 4-59	F 194 B0	3610	4164	Sf 5,000 g OH 4111-64	5-1-2 4111

COMPANY LEASE	WELL UNIT	SEC.-T.-R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TREATMENT INTERVAL	OIL STRING SIZE DEPTH
Salsich, Neil E. Terry, Ora B. "A"	1 L	9-19S-38E	2-18-59	P 50 B0	3607	4163	Sf 32,000 g + M/A 1500 4110-51	5-1/2 4163
Texaco, Inc. Etz, A. M., et al.	1 P	26-19S-38E	2-19-59	P & A	3599	8586		
Trigg, John H. Lea Federal "3"	2 A	3-20S-33E	5- 1-59	P & A	3579	3440		
Sinclair Oil & Gas Lea State "886"	1 F	16-20S-33E	12- 5-59	P 586 B0	3549	3325	M/A 500 g 3220-32	5-1/2 3325
Tennessee Gas Transmission Loomis Federal "A"	1 F	23-20S-33E	6-21-59	P 48 B0	3625	3416	Natural OH 3390-3416	5-1/2 3390
Loomis Federal "A"	2 K	23-20S-33E	8-25-59	P 50 B0	3625	3389	Natural OH 3371-89	4-1/2 3371
Tennessee Gas Transmission Dinnin, Bernice, USA "A"	1 G	23-20S-33E	9- 9-59	P & A	3627	3433		
Dinnin, Bernice, USA "A"	2 J	23-20S-33E	10-19-59	P 29 B0	3628	3429	Natural OH 3418-29	4-1/2 3418
Cactus Drilling Texaco Federal	1 D	1-20S-34E	11-10-59	P & A	3697	5003		
Hudson & Hudson Matlock	1 B	4-20S-34E	8-17-59	P 60 B0	?	3630	Natural OH 3615-30	7 3615
Matlock Federal	2 F	4-20S-34E	10- 7-59	P & A	3639	3755		
Matlock Federal	3 C	4-20S-34E	12-23-59	P & A	3651	3709		
Pure Oil Federal "C"	1 B	4-20S-34E	8-12-59	P & A	3662	14985		
Trigg, John H. Lea Federal "6"	1 D	6-20S-34E	4-14-59	P & A	3610	3581		
Hudson & Hudson Hodges Federal	3 D	9-20S-34E	12-27-59	P & A	3627	3727		
Burk Royalty Hanson Federal "A"	1 M	25-20S-34E	10-28-59	P & A	3725	3863		
Phillips Petroleum Cruces Federal	4 O	26-20S-34E	8-10-59	F 166 B0	3743	3750	Sf 15,000 g 3632-56	4-1/2 3750
Cruces Federal	5 P	26-20S-34E	12- 3-59	P & A	3733	3760		

<u>COMPANY</u> <u>LEASE</u>	<u>WELL</u> <u>UNIT</u>	<u>SEC.-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>TREATMENT</u> <u>INTERVAL</u>	<u>OIL STRING</u> <u>SIZE</u> <u>DEPTH</u>
Continental Oil SEMU Eumont	69 F	24-20S-37E	6-11-59	F 1120 MCF	3547	3950	Sf 20,000 g + A 1000 3620-3747	5-1/2 3950
Wilson Oil Wilson State	1MWW	4-21S-34E	12-10-59	P 5 BO	3722	4111	Sf 10,000 and Wf 45,738 + A 10000 g 3708-18	5-1/2 4110
Carthay Land State	1 N	16-21S-34E	3-23-59	P 77 BO	3734	3925	R/A 3000 g OH 3875-3920	5-1/2 3875
State	2 K	16-21S-34E	8-18-59	P 50 BO	3749	3951	Natural OH 3875-3951	5-1/2 3874
Resler & Sheldon Amerada State	1 Q	3-21S-35E	4-13-59	P & A	3588	3880		5-1/2 3870
Atlantic State	1 K	3-21S-35E	1-15-59	F 100 BO	3606	3870	Wf 24,000 g 3798-3810	5-1/2 3891
Wilson Oil State "P"	1 P	19-21S-35E	11-9-59	P 9 BO	3659	4015	Wf 58,000 g + R/A 250 3790-3815	5-1/2 3916
State "C"	1 M	20-21S-35E	3-13-59	F 48 BO	3671	3921	3798-3840	
State "C"	2 N	20-21S-35E	12-20-59	P & A	3656	3827		
British American Oil Products New Mexico "E"	1 D	27-21S-35E	7-16-59	P & A	3592	5003		
Texaco, Inc. State "BZ-NCT-5"	1 D	29-21S-35E	7- 3-59	F 400 BO	3644	3899	Wf 30,000 g + A 500 3774-3832	4-1/2 3899
State "BZ-NCT-5"	2 C	29-21S-35E	10-12-59	F 50 BO	3657	3900	Wf 11,300 g + R/A 500 3794-843	2-7/8 3900
State "BZ-NCT-5"	3 E	29-21S-35E	12-10-59	F 3 BO	3668	3951	Wf 60,000 g 3886-930	2-7/8 3949
State "BZ-NCT-5"	4 F	29-21S-35E	11-12-59	F 10 BO	3661	3941	Wf 40,000 g + R/A 500 3880-917	2-1/2 3941
Gulf Oil Ramsay, Arnott "NCT-C"	15 P	21-21S-36E	11-14-59	P 15 BO	3582	3885	Sf 20,000 g + R/A 500 3797-876	4-1/2 3885
Humble Oil & Refining State "G"	19 O	23-21S-36E	6-18-59	F 81 BO	3563	3875	Sf 15,000 g 3802-26	2-7/8 3873

PETROLEUM DEVELOPMENTS, 1959

Western Oil Fields, Inc. Bunin Estate X	1 A	13-21S-37E	6-17-59	P 90 B0	3469	7390	Sf 3,150 g + R/A 5600 7232-7358	5-1/2 7400
Ferry, J. W. Hardy Federal Continental Oil	4 P	19-21S-37E	11-25-59	F 56 B0	3504	5210	R/A 500 g 6150-70	5-1/2 5210
Wantz, Mary E. Texaco, Inc.	5 K	21-21S-37E	9-18-59	F 163 B0	3480	7350	R/A 5000 g 7108-7175	5-1/2 7350
Henderson, V. M. Dual	5 B	30-21S-37E	1- 8-59	F 199 B0 F 384 B0	3506	5210	R/A 500 g 5172-88 Sf 10,000 g + R/A 1000 3686-3874	7 5210
Carper Drilling Randel "A"	5 N	2-22S-35E	3-27-59	F 181 B0	3611	4011	Sf 18,000 g 3849-3948	5-1/2 4010
Western Drilling Donegan (Humble) State Ashmund & Hillard No. 3 LTD	1 D	3-22S-35E	12- 4-59	P 36 B0	3611	4105	Sf 15,000 g 3921-39	4-1/2 4105
Skelly State "U" Amerada Petroleum State "WE-J"	1 P 2 D	4-22S-35E 11-22S-35E	1-14-59 2- 1-59	P & A P 108 B0	? 3623	4200 4025	Sf 20,000 g + R/A 750 3877-4008	5-1/2 4024
Campbell, E. P. State (Schermerhorn) Gulf Oil	1 P	36-22S-35E	7-20-59	P 30 B0	3524	3810	Sf 20,000 g 3718-88	5-1/2 3810
Leonard, Harry "NCT-D"	11 J	3-22S-36E	8- 6-59	F 60 B0	3568	3818	Sf 20,000 g + R/A 500 3752-3807	4-1/2 3817
Leonard, Harry "NCT-D"	12 C	3-22S-36E	10-13-59	F 109 B0	3074	3830	Sf 30,000 g + A 500 3730-816	4-1/2 3830
Leonard, Harry "NCT-D"	13 G	3-22S-36E	11- 6-59	F 114 B0	3554	3815	Sf 25,000 g + R/A 500 3750-3802	5-1/2 3815
Leonard, Harry "NCT-D"	14 N	3-22S-36E	11-17-59	F 182 B0	3577	3850	Sf 15,000 g + M/A 500 3768-827	5-1/2 3850
Leonard, Harry "NCT-D"	15 P	3-22S-36E	12-15-59	F 61 B0	3574	3840	Sf 18,360 g + R/A 500 3776-825	5-1/2 3840
Leonard, Harry "NCT-D"	16 O	3-22S-36E	12-21-59	F 40 B0	3581	3835	Sf 24,000 g + R/A 500 3784-826	5-1/2 3835
Janda, J. F. "F"	16 H	4-22S-36E	1-15-59	F 14 B0	3584	3875	Sf 49,000 g + R/A 1000 3748-3845	5-1/2 3875

COMPANY LEASE	WELL UNIT	SEC.-T.-R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TREATMENT INTERVAL	OIL STRING SIZE DEPTH
McGreath & Smith Day, J. H.	1 L	6-22S-36E	8-18-59	F 48 B0	3602	3875	R/A 1500 g 3776-3830	5-1/2 3875
	2 M	6-22S-36E	12- 4-59	P 39 B0	3594	3870	R/A 4000 g 3793-3821	4-1/2 3870
Gulf Oil								
Mattern, H. T. "NCT-E"	13 H	12-22S-36E	6- 3-59	T A	6380	9700		
Continental Oil State "E-17"	7 J	17-22S-36E	7- 8-59	F 54 B0	3560	3925	R/A 1750 g 3719-852	5-1-1/2 3925
Jal Oil								
Christmas, B. A. Atlantic Refining	9 N	28-22S-36E	2- 3-59	F 172 B0	3497	3907	Sf 20,000 g 3731-3829	5-1-1/2 3888
Selby, J. L.	4 D	33-22S-36E	3- 8-59	F 192 B0	3492	3811	Sf 25,000 g 3642-3762	4-1-1/2 3810
Selby, J. L. Continental Oil	5 E	33-22S-36E	4-25-59	F 199 B0	3495	3800	Sf 14,000 g 3629-3718	4-1-1/2 3800
Meyer Federal "B-33" Gackle, Albert (Operator)	9-L	33-22S-36E	11-25-59	F 135 B0	3485	3825		5-1-1/2 3814
Esmond, H. E.	5 B	33-22S-36E	10-17-59	F 85 B0	3481	3920	Sf 20,000 g + R/A 1000 3630-3798	4-1-1/2 3920
Jones, Rodman	5 N	35-22S-36E	9-22-59	F 240 B0	3489	3860	Sf 30,000 g + A 4000 3660-3740	4-1-1/2 3860
Western Development of Delaware								
Gulf State	1 C	16-22S-37E	6- 6-59	F 7405 MCF	3413	6602	Sf 20,000 g + R/A 500 592-5522	5-1-1/2 6601
Neville G. Penrose, Inc. Clower	1 P	20-22S-37E	12-26-59	F 80 B0	3374	3746	Sf 20,000 g + R/A 1000 3508-589	5-1-1/2 3746
Carl J. Westlund, Inc. Danglade Dual	1 B	24-22S-37E	3-14-59	F 4953 MCF F 632 MCF	3323	6940	Sf 40,000 g + M/A 1000 6032-6228 Sf 15,000 g + M/A 1000 5470-5594	7 6359
Humble Oil & Refining State "M"	15 N	29-22S-37E	9-23-59	F 202 B0	3377	3718	Sf 15,000 g 3624-66	2-7/8 3717
State "M"	16 J	29-22S-37E	10-12-59	F 50 B0	3368	3690	Sf 15,000 g 3570-3610	2-7/8 3689

PETROLEUM DEVELOPMENTS, 1959

State "M"	17 M	29-228-37E	10-29-59	F 376 B0	3389	3725	Sf 15,000 g	3670-712	2-7/8	3725
State "M"	18 K	29-228-37E	10-20-59	F 210 B0	3376	3715	Sf 15,000 g	3636-3666	2-7/8	3714
T. P. Coal & Oil	2 O	29-228-37E	8- 8-59	F 323 B0	3367	3650	Sf 25,000 g	OH 3534-3650	7	3534
Elliott, E. M. "B-29"	2 I	31-228-37E	1-31-59	F 56 B0	3399	3824	Sf 20,000 g + M/A	200	5-1/2	3824
Dalport Oil							3666-3811			
King, E. F. "A-1"										
Humble Oil & Refining										
State "M"	14 H	31-228-37E	7-19-59	F 17 B0	3399	3850	Sf 45,000 g	3665-3756	2-7/8	3848
State "M"	19 A	31-228-37E	12-30-59	F 52 B0	3395	3784	Sf 10,000 g	3694-714	2-7/8	3780
Compass Exploration Inc.										
State "32"	1 F	32-228-37E	7-20-59	F 240 B0	3377	3807	Sf 2,500 g + A	500	5-1/2	3807
							3588-3726			
State "32"	2 C	32-228-37E	8-15-59	F 250 B0	3381	3805	Sf 25,000 g	3570-3716	5-1/2	3805
State "32"	3 E	32-228-37E	11-15-59	F 245 B0	3388	3820	Sf 25,000 g + M/A	500	5-1/2	3820
							3608-86			
State "32"	4 D	32-228-37E	12-23-59	F 240 B0	3389	3800	Sf 25,000 g	3594-709	5-1/2	3800
Operators Service										
Cole State	1 B	32-228-37E	4-14-59	F 265 B0	3366	3727	Sf 15,000 g + M/A	500	4-1/2	3727
							2560-3678			
Moran, R. M.										
State "36"	1 K	36-228-37E	2- 2-59	F 48 B0	3313	6187	Sf 10,000 g + M/A	500	7	6005
							5562-82			
Texaco, Inc.										
Dollier Ballenger	1 M	17-228-38E	2-25-59	F 432 B0	3376	7200	R/A 1000 g	6952-7158	5-1/2	7200
Lockhart Federal "NCT-1"	8 P	18-228-38E	6-15-59	F 96 B0	3381	7200	R/A 15000 g	6846-7158	5-1/2	7200
Blinebry Federal "NCT-1"	9 A	19-228-38E	5-21-59	F 132 B0	3384	7200	R/A 500 g	6888-7138	5-1/2	7200
Blinebry Federal "NCT-1"	10 D	20-228-38E	7-19-59	F 64 B0	3389	7200	Sf 15,000 g + R/A	6000	5-1/2	7200
							6939-7120			
Nix, Wm. L.	1 C	20-228-38E	4-11-59	F 108 B0	3377	7250	Af 10,000 g + R/A	6000	5-1/2	7250
							6960-7160			

COMPANY LEASE	WELL UNIT	SEC.-T.-R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TREATMENT INTERVAL	OIL STRING SIZE DEPTH
Blinebry Federal "NCT-4" Triple	1 P	31-22S-38E	6-13-59	F 312 B0	3354	7105	Sf 20,000 g + R/A 3000	7 7105
			7-28-59	F 3450		5556-5730		
			6-15-59	F 40 B0		6100-6220		
Blinebry Federal "NCT-1" 8 E	8 E	33-22S-38E	4-13-59	F 2493	3387	6299	Sf 20,000 g + R/A 1000	7 6299
			3-31-59	MCF P 30 B0		6770-6974 6150-6230		
Kirklin Drilling, Inc. Estill Federal "AE" State Davis, Fred A. Davis, Ann Olson Oils, Inc. King, Emery "NW" King, Emery "NW" King, Emery "NW" King, Emery "SE" King, Emery "SE" King, Emery "SE" King, Emery "SE" Skelly Oil King "C" King "C" Tidewater Oil King, E. F. King, E. F.	1 O	20-23S-32E	11- 8-59	P & A	3692	4947		
	1 A	31-23S-33E	10- 2-59	P & A	?	5236		
	1 B	14-23S-35E	9-25-59	P & A	3517	4203		
	3 C	1-23S-36E	4-14-59	F 216 B0	3437	3792	Sf 40,000 g 3676-3739	5-1/2 3790
	4 F	1-23S-36E	5-27-59	F 38 B0	3431	3806	Sf 40,000 g 3690-3758	5-1/2 3797
	5 E	1-23S-36E	5-18-59	F 99 B0	3444	3800	Sf 15,000 g 3673-3725	5-1/2 3797
	2 I	1-23S-36E	8-10-59	F 269 B0	3409	3757	Sf 24,000 g 3626-3712	5-1/2 3757
	3 J	1-23S-36E	9-14-59	F 439 B0	3417	3758	Sf 1,000 g 3638-3732	5-1/2 3757
	4 O	1-23S-36E	10-11-59	F 511 B0	3406	3757	Sf 21,000 g 3642-726	5-1/2 3756
	5 P	1-23S-36E	11- 9-59	F 216 B0	3402	3745	Sf 23,000 g 3620-728	5-1/2 3744
4 H	1-23S-36E	2- 4-59	F 273 B0	3413	3710	Sf 60,000 g 3610-3671	5-1/2 3710	
5 A	1-23S-36E	7- 2-59	P 10 B0	3412	3700	Sf 104,000 g 3622-3676	5-1/2 3700	
2 L	1-23S-36E	8-28-59	F 174 B0	3435	3800	Sf 20,000 g + R/A 500	5-1/2 3797	
3 K	1-23S-36E	11-15-59	F 232 B0	3424	3800	3658-3726 3717-32	5-1/2 3799	

COMPANY LEASE	WELL UNIT	SEC.-T.-R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TREATMENT INTERVAL	OIL STRING SIZE DEPTH
T. P. Coal & Oil								
State "A" Account 1	45 H	4-23S-36E	2-20-59	F 148 BO	3473	3800	Sf 25,000 g 3706-50	7 3799
State "A" Account 3	3 I	10-23S-36E	8-25-59	F 12 BO	3465	8500	Sf 10,000 g 3652-77	8-5/8 3846
State "A" Account 1	49 D	10-23S-36E	3-30-59	F 310 BO	3492	3800	Sf 25,000 g 3690-3766	5-1/2 3799
State "A" Account 1	55 E	10-23S-36E	5-15-59	F 94 BO	3482	3800	Sf 25,000 g 3678-3740	5-1/2 3799
State "A" Account 1	56 L	10-23S-36E	5-26-59	F 75 BO	3447	3765	Sf 10,000 g 3638-82	5-1/2 3764
State "A" Account 1	58 G	11-23S-36E	10-1-59	F 135 BO	3430	3650	Sf 10,000 g OH 3609-50	7 3609
State "A" Account 1	62 B	11-23S-36E	8-4-59	F 200 BO	3436	3656	Sf 25,000 g OH 3612-56	7 3612
State "A" Account 1	67 H	11-23S-36E	10-8-59	F 320 BO	3418	3618	Sf 10,000 g OH 3611-18	7 3611
State "A" Account 1	68 A	11-23S-36E	10-16-59	F 240 BO	3438	3666	Sf 10,000 g OH 3633-66	7 3633
Continental Oil								
Stevens Federal "B-12"	3 D	12-23S-36E	12-4-59	F 42 BO	3436	3885	Sf 12,000 g + R/A 750 3648-708	5-1/2 3885
Stevens Federal "B-12"	4 M	12-23S-36E	12-30-59	F 288 BO	3401	3850	Sf 10,000 g + R/A 1500 3597-648	5-1/2 3850
Shell Oil								
State "JJ"	1 I	13-23S-36E	9-12-59	F 86 BO	3371	3715	Sf 30,000 g + R/A 250 3566-3675	5-1/2 3711
State "JJ"	2 J	13-23S-36E	11-16-59	F 44 BO	3381	3700	Sf 21,000 g 3572-3677	5-1/2 3698
T. P. Coal & Oil								
State "A" Account 1	57 B	13-23S-36E	8-1-59	F 60 BO	3382	3640	Sf 25,000 g OH 3573-3640	7 3573
State "A" Account 1	60 G	13-23S-36E	5-26-59	F 668 BO	3392	3700	Sf 25,000 g + M/A 1000 3593-3628	5-1/2 3700
State "A" Account 1	66 D	13-23S-36E	9-16-59	F 388 BO	3403	3619	Sf 10,000 g OH 3586-3619	7 3586
State "A" Account 1	71 M	13-23S-36E	11-15-59	F 45 BO	3374	3596	Sf 10,000 g OH 3574-96	7 3574
State "A" Account 1	74 E	13-23S-36E	12-5-59	F 450 BO	3403	3626	Sf 10,000 g OH 3596-3626	7 3596
State "A" Account 1	75 F	13-23S-36E	12-10-59	F 490 BO	3396	3618	Sf 10,000 g OH 3602-18	7 3602
Skelly Oil								
Matkins, J. M.	1 M	14-23S-36E	12-29-59	F 422 BO	3380	3725	Sf 30,000 g 3625-670	5-1/2 3725
T. P. Coal & Oil								
State "A" Account 1	76 A	14-23S-36E	12-29-59	F 33 BO	3415	3624	Sf 10,000 g OH 3585-624	7 3585
State "A" Account 1	59 E	15-23S-36E	5-16-59	F 25 BO	3429	3750	Sf 30,000 g 3640-3690	5-1/2 3749
State "A" Account 1	70 H	15-23S-36E	11-4-59	F 293 BO	3392	3612	Sf 10,000 g OH 3559-3612	7 3559

COMPANY LEASE	WELL UNIT	SEC.-T.-R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TREATMENT INTERVAL	OIL STRING SIZE DEPTH
Hill, John H. Las Cruces	1 N	15-23S-37E	4- 1-59	F 79 B0	3300	3737	Sf 10,000 g + M/A 500 3574-98	5-1/2 3727
Texaco, Inc. State "EZ NCT-8"	5 C	16-23S-37E	4- 5-59	F 113 B0	3327	3722	Sf 15,000 g + R/A 500 3530-3682	4-1/2 3722
	6 B	16-23S-37E	4-19-59	F 148 B0	3319	3660	Sf 15,000 g + R/A 1000 3490-3608	4-1/2 3660
State "EZ NCT-8"	7 H	16-23S-37E	5- 2-59	F 160 B0	3307	3700	Sf 15,000 g + R/A 1000 3482-3606	4-1/2 3697
State "EZ NCT-8"	8 D	16-23S-37E	5-15-59	F 240 B0	3330	3700	Sf 15,000 g + R/A 1000 3492-3611	4-1/2 3700
State "EZ NCT-8"	9 A	16-23S-37E	5-30-59	F 384 B0	3304	3703	Sf 15,000 g + R/A 1000 3498-3616	4-1/2 3703
State "EZ"	10 P	16-23S-37E	10-27-59	F 140 B0	3312	3655	Sf 12,000 g + R/A 800 3502-66	4-1/2 3655
State "EZ"	11 I	16-23S-37E	9-12-59	F 116 B0	3305	3670	Sf 15,000 g + A 100 3458-3583	4-1/2 3670
Burk Royalty La Muryon Federal	2 E	21-23S-37E	4-24-59	F 463 MCF	3316	3618	Sf 10,000 and Wf 53,000 + M/A 750 g 3382-3528	5-1/2 3618
	3 F	21-23S-37E	4-24-59	F 1299 MCF	3317	3610	Sf 20,000 g + R/A 15000 3482-3530	5-1/2 3570
La Muryon Federal	4 C	21-23S-37E	4-24-59	F 1897 MCF	3317	3620	Sf 20,000 g + R/A 1500 3491-3541	5-1/2 3619
Man & Hill La Muryon Federal	1 A	21-23S-37E	1- 4-59	F 11158 MCF	3305	3820	Sf 30,000 g 3464-3530	5-1/2 3660
	4 H	21-23S-37E	8-24-59	F 37 B0	3300	3602	Sf 15,000 g 3488-3530	5-1/2 3602
Hill, John H. La Muryon Federal "A"	1 C	22-23S-37E	6- 1-59	F 87 B0	3305	3757	Sf 20,000 g + M/A 250 3582-96	5-1/2 3750
	2 F	22-23S-37E	5- 3-59	F 43 B0	3295	3705	Sf 20,000 g 3540-83	5-1/2 3697

La Munyon Federal "B"	1 K	22-23S-37E	7-18-59	F 49 B0	3293	3734	Sf 10,000 g + M/A 250	5-1/2 3728
La Munyon Federal "B"	2 J	22-23S-37E	8- 9-59	F 39 B0	3272	3700	Sf 10,000 g 3609-34	5-1/2 3690
La Munyon Federal "B"	3 O	22-23S-37E	9-11-59	F 39 B0	3284	3678	Sf 10,000 g 3595-3619	5-1/2 3677
Las Cruces "A"	1 G	22-23S-37E	5-15-59	F 44 B0	3297	3710	Sf 10,000 g 3615-24	5-1/2 3710
Man & Hill								
La Munyon Federal	2 D	22-23S-37E	6- 4-59	F 51 B0	3307	3665	Sf 10,000 g + M/A 250	5-1/2 3665
La Munyon Federal	3 E	22-23S-37E	6-14-59	F 44 B0	3295	3635	Sf 10,000 g + M/A 250	5-1/2 3634
Hill, John H.								
La Munyon Federal "C"	1 B	27-23S-37E	10-13-59	F 39 B0	3277	3675	Sf 15,000 g 3518-54	5-1/2 3675
La Munyon Federal "C"	2 A	27-23S-37E	11-18-59	F 40 B0	3272	3678	Sf 10,000 g + M/A 250	5-1/2 3679
Kelly, John M.								
Stewart "28"	2 K	28-23S-37E	3-26-59	F 5 B0	3330	3923	Sf 40,000 g + R/A 1000	5-1/2 3762
							3391-3644	
Baxter, Murphy H.								
Gibson Federal	1 P	7-23S-38E	10- 7-59	P & A	3388	5921		
Kirklin Drilling, Inc.								
Lea State "GX"	1 A	36-24S-33E	10-24-59	P & A	?	5345		
El Paso Natural Gas Products								
Thomas, J. J.	1 B	19-24S-37E	11-27-59	F 5 B0	3311	3676	Sf 30,000 g 3186-3484	5-1/2 3676
Sun Oil								
Elliott Federal	1 M	22-25S-35E	8-29-59	P & A	3217	5383		
Campbell, E. P.								
McKee Federal	2 N	3-25S-36E	2- 9-59	P & A	3212	3900		
Trigg, John H.								
Ohio Byers Federal "6"	1 N	6-25S-36E	4- 5-59	P & A	3242	3750	Sf 10,000 g + M/A 500	5-1/2 3592
Pan American-	1 C	7-25S-36E	1-23-59	F 47 B0	3216	4050	3508-26	
Kelly Federal "7"								
Pan American-	2 F	7-25S-36E	6-19-59	F 41 B0	3205	3540	Sf 25,000 g 3448-98	5-1/2 3540
Kelly Federal "7"								
Donohue, Edward C.								
Federal	1 A	19-25S-36E	6-15-59	P & A	3123	3891		
Campbell, E. P.								
McKee Federal	1 A	22-25S-36E	5-12-59	P & A	3090	3610		

PETROLEUM DEVELOPMENTS, 1959

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Federal "B" Jal Oil, Inc. Harner	2 H	14-25S-37E	1-29-59	F 7 B0	3114	3450	Sf 10,000 € 3200-16	5-1/2	3437
	2 J	20-25S-37E	6-24-59	F 720 B0	3051	3440	Sf 41,000 € + A 1000 3170-3402	7	3440
Anderson Prichard Oil Carlson "B" Dual	1 P	23-25S-37E	10- 3-59 9-16-59	F 1207 B0 ? F 98 B0		5965	A 1750 € 5780-800 A 2500 € 5410-47	7	5965
Amerada Petroleum Wimberley, Ida	11 L	24-25S-37E	6- 7-59	F 979 B0	3086	5472	Sf 10,000 € + R/A 1000 5325-5472	4-1/2	5325
Tidewater Oil Coates, A. B. "C" Dual	19 P	24-25S-37E	3-12-59 3-14-59	F 481 B0 F 218 B0	3069	7940	Natural OH 7847-7940 Sf 10,000 € + R/A 500 7326-7375	7	7847
Coates Federal "C" Dual	20 A	24-25S-37E	6-14-59	F 351 B0	3079	7750	Natural OH 7626-7750 R/A 2900 € 7152-70	7	7626
Coates, A. B. "C" Dual	22 B	24-25S-37E	3- 8-59	F 450 B0 F 102 B0	3080	6881	Natural OH 6795-6881 Sf 15,000 € + R/A 500 5314-5443	7	6795
Coates, A. B. "D" Dual	3 N	24-25S-37E	5-29-59	F 147 B0 F 204 B0	3085	8260	Natural OH 8243-60 Sf 20,000 € + R/A 5000 5300-5430	7	8243
Western Natural Gas Wimberley	6 D	24-25S-37E	1-24-59	F 220 B0	3093	7090	M/A 500 and R/A 10,000 5411-78	7	7090
Amerada Petroleum Wimberley, Ida Dual	8 G	25-25S-37E	2- 1-59	F 702 B0 F 828 B0	3073	7002	Natural OH 6906-7002 R/A ? 5874-5924	7	6906
Wimberley, Ida Dual	9 E	25-25S-37E	3-19-59	F 252 B0 F 421 B0	3071	7105	R/A 2000 € 5861-5942 Sf 10,000 € + R/A 1000 5276-5444	7	6050
Anderson & Prichard Oil Carlson Federal "A" Dual	1 J	25-25S-37E	5-15-59	F 88 B0	3067	6954	M/A 500 and R/A 1000 5848-5906	7	6953
Carlson Federal "A" Dual	2 I	25-25S-37E	6-15-59	F 11 B0 F 190 B0 F 95 B0	3071	7385	Natural 6896-6901 Natural 6900-60 M/A 500 and R/A 2000 5878-5928	7	7208

COMPANY LEASE	WELL UNIT	SEC.-T.-R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TREATMENT INTERVAL	OIL STRING SIZE DEPTH
Carlson "A" Dual	3 N	25-25S-37E	10- 4-59	F 53 B0	3066	7050	A 7000 g 5380-5500	7 7049
			9-24-59	F 70 B0			A 3500 g 5826-5906	
			12-18-59	F 180 B0	3066	5909	Sf 10,000 g + R/A 8500 5420-516	7 5908
Carlson Federal "A" Dual	4 M	25-25S-37E						
				F 64 B0		5950	R/A 8500 g 5800-24	7 5949
Carlson "A"	5 I	25-25S-37E	12-20-59	F 58 B0	3068		Af 10,000 g + R/A 8500 5040-90	
				F 250 B0			M/A 500 g 5790-836	
Atlantic Refining Carlson Federal Dual	1 K	25-25S-37E	1-27-59	F 106 B0	3074	6960	M/A 1000 g 6923-55	7 6960
				F 113 B0			M/A 1000 g 5873-5919	
			7-22-59	F 120 B0	3071	6000	M/A 500 and R/A 4000 5906-32	7 6000
Carlson Federal Dual	2 L	25-25S-37E						
			3- 1-59	F 324 B0		8165	R/A 1000 g 5324-5452	7 8164
State "Y" Dual	4 A	25-25S-37E		F 520 B0	3073		M/A 1000 g 8120-60	
				F 151 B0			M/A 1000 and R/A 5000 7636-68	
State "Y" Dual	5 B	25-25S-37E	3- 2-59	F 367 B0	3075	6872	M/A 1000 g 6798-6838	7 6872
				F 183 B0			M/A 1000 g 5870-96	
State "Y" Dual	6 H	25-25S-37E	4-25-59	F 222 B0	3077	8280	A 500	7 8280
				F 221 B0			R/A 21000 g 6215-71	
State "Y" Dual	7 A	25-25S-37E	5-20-59	F 363 B0	3073	7000	Natural 6930-60	7 6999
				F 418 B0			R/A 6000 g 5366-5422	
State "Y" Dual	8 H	25-25S-37E	7- 6-59	F 106 B0	3075	6880	Natural 6800-30	7 6880
				F 93 B0			M/A 250 and R/A 2500 5894-5917	
Hamilton Dome Oil, Ltd. Carlson Federal "B" Dual	2 P	25-25S-37E	10-29-59	F 672 B0	3066	7715	R/A 6000 g 5722-824	7 5930
			11- 4-59	F 228 B0			M/A 1000 and R/A 6000 5004-58	
Amerada Petroleum Wimberley, Ida Dual	10 A	26-25S-37E	4-28-59	F 119 B0	3080	5954	R/A 1000 g 5874-5945	7 5953
			4-30-59	F 337 B0			Sf 10,000 g R/A 1000 5322-5453	

NEW MEXICO BUREAU OF MINES & MINERAL RESOURCES

COMPANY LEASE	WELL UNIT	SEC.-T.-R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TREATMENT INTERVAL	OIL STRING	
								SIZE	DEPTH
Continental Oil	1 M	25-26S-32E	5- 3-59	F 196 B0	3113	4636	Sf 1,500 g	4580-4620	4-1/2 4636
Wilder Federal "25"	2 N	25-26S-32E	6- 6-59	F 232 B0	3117	4656	Sf 2,000 g	4609-43	4-1/2 4656
Wilder Federal "25"	3 L	25-26S-32E	6-23-59	F 141 B0	3121	4644	Sf 2,000 g	4603-13	4-1/2 4644
Wilder "25"	4 K	25-26S-32E	6-30-59	F 732 B0	3123	4645	Sf 5,000 g	4598-4638	4-1/2 4645
Wilder Federal	6 F	25-26S-32E	7-11-59	F 220 B0	3133	4665	Sf 2,000 g	4623-53	4-1/2 4665
Wilder, W. W.	7 J	25-26S-32E	7-26-59	F 232 B0	3125	4719	Sf 2,000 g	4625-49	4-1/2 4719
Wilder, W. W.	8 G	25-26S-32E	8- 5-59	F 607 B0	3132	4677	Sf 2,000 g + M/A 100	4627-65	4-1/2 4677
Wilder Federal	9 B	25-26S-32E	8-19-59	F 242 B0	3141	4696	Sf 2,000 g + R/A 100	4651-90	4-1/2 4696
Wilder Federal	10 H	25-26S-32E	8-28-59	F 819 B0	3132	4697	Sf 2,000 g + M/A 100	4657-77	4-1/2 4697
Wilder Federal	11 O	25-26S-32E	10-11-59	F 624 B0	3118	4679	Sf 3,000 g + A 500	4627-64	4-1/2 4679
Wilder Federal	12 P	25-26S-32E	9-30-59	F 652 B0	3117	4683	Sf 1,000 g + A 100	4638-44	5-1/2 4683
Wilder Federal	13 I	25-26S-32E	10-29-59	F 210 B0	3125	4690	Sf 3,000 g + M/A 500	4638-61	4-1/2 4690
Wilder Federal	14 E	25-26S-32E	11-19-59	F 778 B0	3126	4654	Sf 3,000 g + R/A 500	4613-45	4-1/2 4654
Wilder Federal	15 N	25-26S-32E	12-13-59	F 139 B0	3138	4675	Sf 2,000 g	4630-44	4-1/2 4675
Wilder Federal "26"	1 P	26-26S-32E	5-18-59	F 39 B0	3113	4640	Sf 1,500 g	4595-4611	4-1/2 4640
Buckles, George L. (company)	3 P	27-26S-32E	12-21-59	F 121 B0	3107	4550	Sf 1,000 g + R/A 400	4456-74	4-1/2 4549
Elliott	1 P	34-26S-32E	7-13-59	F 52 B0	3099	4550	R/A 350 g	4450-66	4-1/2 4550
Elliott Federal	2 A	34-26S-32E	10-20-59	F 65 B0	3100	4550	Sf 1,000 g + R/A 350	4458-80	4-1/2 4550
Elliott, Frank O.	1 B	34-26S-32E	11-10-59	P & A	3107	4478			
Elliott Federal "U"	1 A	35-26S-32E	5-27-59	F 150 B0	3105	4633	Sf 2,000 g + M/A 250	4587-4630	4-1/2 4633
Continental Oil									
Bradley Federal "35"	1 A	35-26S-32E	5-27-59	F 150 B0	3105	4633	Sf 2,000 g + M/A 250	4587-4630	4-1/2 4633

Bradley "35"	2 D	35-268-32E	11-27-59	F 141 B0	3101	4523	Sf 4,000 g + R/A 600 4485-4516	4-1/2 4522
Bradley Federal "35"	3 C	35-268-32E	12-29-59	F 84 B0	3102	4544	Sf 3,000 g + M/A 500 4495-515	4-1/2 4544
Payne Federal "35"	1 P	35-268-32E	9- 8-59	F 729 B0	3099	4620	Sf 2,000 g + M/A 250 4569-4606	4-1/2 4620
Payne Federal	6 F	35-268-32E	12-24-59	F 744 B0	3097	4559	Sf 3,000 g + M/A 150 4515-36	4-1/2 4559
Hill & Meeker State "36"	1 D	36-268-32E	3-10-59	F 192 B0	3110	4689	Sf 1,000 g + R/A 250 4609-19	4-1/2 4689
State "36"	2 C	36-268-32E	6-24-59	F 199 B0	3110	4703	Sf 1,000 g + A 250 4592-4610	4-1/2 4703
State "36"	3 B	36-268-32E	10-18-59	F 85 B0	?	4721	Natural 4617-4627	4-1/2 4771
State "36"	4 M	36-268-32E	8-10-59	F 363 B0	?	4707	Sf 1,000 g + M/A 250 4589-95	4-1/2 4707
State "36"	5 N	36-268-32E	9-10-59	F 66 B0	3102	4750	Sf 1,000 g + A 150 4609-16	4-1/2 4750
State "36"	6 O	36-268-32E	12-16-59	F 60 B0	3101	4716	Natural 4602-09	4-1/2 4716
Hall Federal	1 D	13-268-33E	5-18-59	P & A	3346	5281		
Elliott Federal "25"	1 C	25-268-33E	9- 8-59	P & A	3358	5319		
Continental Oil Payne	2 E	30-268-33E	9-29-59	P 69 B0	3139	4742	Sf 2,000 g + R/A 100 4695-4708	4-1/2 4742
Payne Federal	4 K	30-268-33E	11-10-59	P 42 B0	3132	4749	Sf 2,000 g + M/A 500 4705-15	4-1/2 4749
Neville G. Penrose, Inc. Brown Federal	1 D	30-268-33E	10-26-59	F 286 B0	3145	4704	Sf 2,000 g + R/A 200 4682-92	5-1/2 4704
Kirklín Drilling, Inc. Lea State "JV"	1 P	2-268-34E	11-26-59	P & A	3302	5491		
Continental Oil Bradley Federal "19"	2 J	19-268-34E	4- 7-59	P & A	3390	5422		
Kirklín Drilling Boothe Federal "BD"	1 A	27-268-35E	12-13-59	P & A	3065	5276		

COMPANY LEASE	WELL UNIT	SEC.-T.-R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TREATMENT INTERVAL	OIL STRING SIZE DEPTH
Cobb, Dalton H. Gulf State	1 I	12-26S-36E	11-24-59	F 46 B0	2965	3160	Sf 3,360 \pm + R/A 600 3074-80	4-1/2 3160
Sinclair Oil & Gas Sand Hills Unit Cities Service Oil	5 M	16-26S-36E	4-17-59	P & A	2948	11492		
Sand Hills Unit Federal	7 M	17-26S-36E	12-12-59	P & A	2954	3471		
Sand Hills Unit	6 P	20-26S-36E	10-5-59	J & A	?	1257		
Sand Hills Unit A	6 P	20-26S-36E	10-25-59	P & A	2932	3349		
Olsens Oil, Inc. Farnsworth	1 F	4-26S-37E	9-7-59	F 90 B0	2997	3248	Sf 22,000 \pm 3168-96	7 3248
Farnsworth	2 J	4-26S-37E	10-11-59	F 52 B0	3006	3248	Sf 22,000 \pm 3178-221	7 3245
Farnsworth	3 C	4-26S-37E	11-6-59	F 60 B0	2999	3221	Sf 22,000 \pm 3180-3214	7 3220
Pan American Petroleum USA Farnsworth "C"	7 C	4-26S-37E	2-26-59	F 5800 MCF	3002	8985	M/A 5000 \pm 8815-40	5-1/2 8985
Jal Oil, Inc. Farnsworth Federal	6 M	4-26S-37E	2-27-59	T A	2986	3365		
Olsens Oil, Inc. Gregory Federal "B"	1 E	28-26S-37E	2-26-59	F 11 B0	3967	3365	Sf 20,000 \pm 2992-3110	7 3358
O'Neill, J. I., Jr. Federal "F"	1 O	29-26S-37E	7-15-59	F 2200 B0	2954	3308	Wf 20,000 \pm + R/A 500 3034-44	5-1/2 3132
Hodge, T. F. Wills Federal	3 D	33-26S-37E	1-9-59	F 66 B0	3960	3330	Sf 20,000 \pm 3178-3287	4-1/2 3330
Wills Federal	4 G	33-26S-37E	4-6-59	F 66 B0	?	3472	Sf 10,000 \pm 3262-92	4-1/2 3472
Wills Federal	5 P	33-26S-37E	4-15-59	P & A	2969	3382		
Wills Federal	6 B	33-26S-37E	6-15-59	F 82 B0	?	3299	Sf 10,000 \pm + M/A 250 3236-56	4-1/2 3299
Wills Federal	7 C	33-26S-37E	7-29-59	F 66 B0	2965	3245	Sf 20,000 \pm + M/A 700 3056-3220	4-1/2 3245
Plymouth Oil Love Federal	1 I	7-26S-38E	4-28-59	T A	?	11137		

LINCOLN COUNTY

Vaughan, Mark	1 A	21- 68-13E	8- 5-59	P & A	?	400
Chrenshaw						
Western Ranchers Oil	1 H	19- 88-14E	8- 5-59	T A	6960	1342
Beecher						
Capoco	1 P	36- 88-14E	8- 8-59	T A	6275	2181
Spencer						
Cone, J. D.	1 K	12- 98-14E	8- 5-59	T A	?	1005
Pearson, Ralph C.						

McKINLEY COUNTY

Dysart, Stella	2 M	11-14N-10W	5-17-59	P & A	7178	2968
Community Lease						
Federal "14"	1 D	14-14N-10W	6-18-59	P & A	7221	4786
Sinclair Oil & Gas						
Buck "S.F. 87"	1 O	11-18N- 9W	10- 7-59	P & A	6800	3227
Mesa Retailers, Inc.						
NayaJo	1 D	20-18N-10W	8- 3-59	P & A	6493	2857
Sinclair Oil & Gas						
Santa Fe Star Lake "181"	1 A	13-19N- 6W	1-27-59	T A	6693	4437
Sargent "S.F. 205"	1 G	26-20N-11W	6- 1-59	P & A	6378	6400

MORA COUNTY

Filkey, R. W. (Partnership)	1 M	21-23N-22E	8-18-59	P & A	?	1080
Jeffroy						
Trio Oil						
Rinehart	1 M	29-23N-22E	7-29-59	P & A	?	1090
Rinehart	2 M	29-23N-22E	8-17-59	P & A	?	1075

COMPANY LEASE	WELL UNIT	SEC.-T.-R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TREATMENT INTERVAL	OIL STRING SIZE DEPTH
<u>QUAY COUNTY</u>								
Miami Petroleum, Inc. Hoover Ranch "A" Sunray Mid-Continent Oil Briscoe, Ira J.	1 C 1 P	2-10N-27E 31-10N-30E	6-16-59 1- 4-59	P & A P & A	4259 4243	6415 9069		
<u>RIO ARRIBA COUNTY</u>								
Socony Mobil Oil Douthit Federal Morelock Unit Magnolia Petroleum Evans Federal Millenbaugh Williams Petroleum Jicarilla-Apache Wagenseller, Sherman Jicarilla-Apache "P" Arizona Explorations Jicarilla-Apache "C" Jicarilla "C" Jicarilla "C" Arizona-Jicarilla "C" Jicarilla-Apache "H" Jicarilla-Apache "H" Jicarilla-Apache "A" Wagenseller, Sherman Jicarilla-Apache "F" El Paso Natural Gas Bolack "E"	1 A 1 L 1 M 1 B 1 G 2 D 6 D 8 M 9 A 7 A 8 M 7 M 5 A 3 F 4 I	5-23N-1W 7-23N-1W 18-23N-1W 18-23N-1W 11-23N-4W 18-23N-4W 3-23N-5W 3-23N-5W 3-23N-5W 4-23N-5W 5-23N-5W 6-23N-5W 9-23N-5W 13-23N-5W 1-23N-6W	9-18-59 9- 2-59 6-24-59 8-18-59 11-10-59 10-10-59 9-29-59 12- 4-59 12- 2-59 11-19-59 9-20-59 9-24-59 10- 3-59 10- 3-59 6- 3-59	2968 MCF 556 MCF 778 MCF 314 MCF 763 MCF P & A 1038 MCF 2099 MCF 170 MCF 2853 MCF 583 MCF 83 MCF 1034 MCF P & A 204 MCF	7381 7378 7345 7383 7339 6830 6697 6665 6707 6744 6610 6658 6696 6767 6769	3145 3165 3074 3130 3158 2450 2373 2310 2378 2387 2161 2160 2258 103 2247	SWF 3067-86 SWF 3075-85 SWF 3046-56 SWF 3056-3120 SWF 2265-79 SWF 2204-35 SWF 2288-2311 SWF 2318-40 SWF 2030-54 SWF 2050-68 SWF 2146-62 SWF 2156-84	4-1/2 3145 4-1/2 3151 4-1/2 3074 4-1/2 3130 4-1/2 3146 5-1/2 2362 5-1/2 2302 5-1/2 2377 5-1/2 2388 5-1/2 2152 5-1/2 2160 5-1/2 2261 5-1/2 2246

COMPANY LEASE	WELL UNIT	SEC.-T.-R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TREATMENT INTERVAL	OIL STRING SIZE DEPTH
El Paso Natural Gas Jicarilla-Apache "A" Blackford, Ken	3 A	22-24N- 5W	8-21-59	1012 MCF	6694	2523	SWF 2410-82	5-1/2 2523
	2 P	23-24N- 5W	6-25-59	1860 MCF	6699	2534	SWF 2414-86	4-1/2 2464
Jicarilla "23" Jicarilla Tribal "23" Arizona Explorations, Inc.	3 K	23-24N- 5W	11-12-59	2200 MCF	6672	2511	SWF 2406-54, 2384-96	5-1/2 2503
	9 M	32-24N- 5W	12- 8-59	4501 MCF	6571	2203	SWF 2068-92	5-1/2 2203
El Paso Natural Gas Canyon Largo Unit Central Production	87 G	1-24N- 6W	9-24-59	1661 MCF	6591	2509	SWF 2434-64	5-1/2 2504
	1 H	2-24N- 6W	3- 3-59	747 MCF	6666	2525	SWF 2456-76	5-1/2 2515
State "Cp" "Cp"	4 P	2-24N- 6W	4-28-59	908 MCF	6466	2341	SF 2180-95	
	2 B	2-24N- 6W	1- 6-59	91 BO	6503	5890	SOF 5600-96	5-1/2 5889
El Paso Natural Gas Canyon Largo Unit	64 B	4-24N- 6W	4- 8-59	807 MCF	6450	2280	SWF 2150-2230	5-1/2 2279
	77 F	9-24N- 6W	3-11-59	4250 MCF	6493	2200	SWF 2110-60	5-1/2 2199
Skelly Oil Mexico Federal "A" Dual	1 I	10-24N- 6W	6- 6-59	95 BO	6474	6750	SOF 5566-87, 5388-5453 SOF 6475-6699	7 6749
	71 O	11-24N- 6W	3-14-59	781 MCF	6434	2200	SWF 2090-2168	5-1/2 2400
Canyon Largo Unit	72 M	11-24N- 6W	3- 8-59	P & A	6439	2394		
	73 C	12-24N- 6W	3-19-59	1058 MCF	6599	2445	SWF 2292-2400	5-1/2 2439
Canyon Largo Unit Canyon Largo Unit Redfern & Herd	76 H	17-24N- 6W	5-23-59	1090 MCF	6562	2178	SWF 2062-2140	5-1/2 2177
	1 J	18-24N- 6W	7-25-59	6517 MCF	6549	6650	SWF 5470-94	5-1/2 6650
Val R. Reese, Association Lybrook "19" Dual	1 C	19-24N- 6W	12-16-59	3476 MCF	6631	6635	SWF 5502-5490 SWF 6422, 6444, 6448, 6452, 6454, and 6460	7 6635
				1331 MCF				

COMPANY LEASE	WELL UNIT	SEC.-T.-R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TREATMENT INTERVAL	OIL STRING SIZE DEPTH
El Paso Natural Gas Federal "C 24" Federal "C 26" Fee "C"	1 G	24-25N-2W	10-30-59	1396 MCF	7470	3641	SMF 3546-86	5-1/2 3540
	1 B	26-25N-2W	8-20-59	524 MCF	7436	3599	SMF 3527-48	5-1/2 3596
	29 C	29-25N-2W	2-15-59	P & A	7109	3520		
Southern Union Gas McCroden "B" Clark & Cowden	2 I	4-25N-3W	5-9-59	5121 MCF	7303	3938	SMF 3826-76	5-1/2 3928
	2 O	11-25N-3W	8-22-59	2945 MCF	7445	4000	SMF 3936-68	4-1/2 3988
McMillan, Hugh Wolfe-Braun	1 P	12-25N-3W	9-15-59	D & A	7343	3900		
	12 M	13-25N-3W	10-16-59	P & A	7248	3820		
Schultz, Frank A. Schultz-Hill Skelly Oil	3 B	14-25N-3W	6-10-59	10957 MCF	7434	3996	SMF 3904-34	5-1/2 3989
	4 J	14-25N-3W	6-27-59	13343 MCF (AOF)	7362	3894	SMF 3818-39	5-1/2 3891
Hurt McLane, A. E. McLane-Hall	5 K	15-25N-3W	4-21-59	798 MCF	7372	3904	SMF 3806-12	5-1/2 3896
	10 A	22-25N-3W	5-23-59	8102 MCF	7242	3865	SOF 3794-3810	5-1/2 3862
Benson, et al. Clark & Cowden Products Federal "22 1"	1 I	22-25N-3W	8-6-59	P & A	7235	3750		
	2 C	22-25N-3W	4-17-59	P & A	7436	3938		
Gardner Schultz, Frank A. Benson, et al.	8 J	23-25N-3W	3-21-59	P & A	7216	3734		
	1 E	24-25N-3W	10-22-59	T A	7203	3718		
El Paso Natural Gas Gardner Petro-Atlas, Inc. Bishop Bishop	1 D	26-25N-3W	9-8-59	1119 MCF	7166	3680	SMF 3557-3635	5-1/2 3669
	2 L	26-25N-3W	9-17-59	3944 MCF	7218	3685	SMF 3568-3646	5-1/2 3669

Skelly Oil	2 A	26-25N-3W	5-27-59	701 MCF	7195	3682	SWF 3565-3612	5-1/2 3682
Anderson Schultz, Frank A.	3 O	27-25N-3W	6-23-59	850 MCF	7337	3788	SWF 3680-3737	5-1/2 3785
Gardner McMillan, Hugh	3 D	27-25N-3W	1- 4-59	1949 MCF	7333	3805	SWF 3718-52	5-1/2 3805
Gilcrease Skelly Oil	1 M	33-25N-3W	1-28-59	1122 MCF	7093	3529	SWF 3400-72	5-1/2 3528
Anderson "B"								
El Paso Natural Gas								
Jicarilla "E"	12 M	17-25N-4W	5- 2-59	3871 MCF	7339	3742	SWF 3672-3700	5-1/2 3741
Jicarilla "E"	14 D	17-25N-4W	7-22-59	2786 MCF	7481	3942	SF 3856-80	
Jicarilla "E"	13 G	18-25N-4W	4-27-59	5115 MCF	7250	3667	SWF 3552-3602	5-1/2 3666
Continental Oil								
Jicarilla Apache "20"	2 M	20-25N-4W	3-29-59	67 BO	7314	7020	SOF 6860-6980	5-1/2 7020
El Paso Natural Gas								
Jicarilla "C"	6 E	21-25N-4W	4-25-59	T A	7093	3520		
Jicarilla "C"	7 L	22-25N-4W	7-23-59	3653 MCF	7006	3432	SF 3364-98	
Aztec Oil & Gas								
Arizona Jicarilla "A"	1 I	23-25N-4W	9-25-59	1411 MCF	6996	3500	SWF 3380-3464	4-1/2 3500
Arizona Jicarilla "A"	2 A	24-25N-4W	9-17-59	1404 MCF	7084	3650	SWF 3568-44	4-1/2 3642
Arizona Jicarilla	5 P	25-25N-4W	9- 3-59	1948 MCF (AOF)	7219	3705	SWF 3600-3636	4-1/2 3680
Arizona Jicarilla	8 D	25-25N-4W	9-10-59	2398 MCF (AOF)	7088	3590	SWF 3448-3524	4-1/2 3580
Arizona Jicarilla	2 D	26-25N-4W	8-24-59	3795 MCF	6980	3450	SWF 3338-80	4-1/2 3436
Arizona Jicarilla	7 J	26-25N-4W	10- 5-59	2980 MCF	7100	3495	SWF 3436-70	4-1/2 3489
El Paso Natural Gas								
Jicarilla "B"	11 G	27-25N-4W	4-24-59	2639 MCF	6941	3386	SWF 3280-3313	5-1/4 3379
Jicarilla "B"	12 E	27-25N-4W	5- 1-59	2530 MCF	6921	3323	SWF 3202-55	5-1/2 3324
Continental Oil								
Jicarilla Apache "28"	1 J	28-25N-4W	9-20-59	240 BO	6937	7650	SOF 7598-7617, 7350-7396	7 7650
El Paso Natural Gas								
Jicarilla "D"	5 K	29-25N-4W	11-14-59	706 MCF	6947	3258	SWF 3126-90	5-1/2 3258
Jicarilla "D"	6 M	32-25N-4W	11- 7-59	885 MCF	6804	3024	SWF 2918-74	5-1/2 3011
Jicarilla "B"	14 C	33-25N-4W	12-29-59	1495 MCF	6843	3117	SWF 3019-89	5-1/2 3116

COMPANY LEASE	WELL UNIT	SEC.-T.-R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TREATMENT INTERVAL	OIL STRING SIZE DEPTH
Aztec Oil & Gas								
Arizona Jicarilla	1 F	35-25N-4W	8-4-59	1271 MCF	7342	3700	SWF 3636-3714	4-1/2 3749
Arizona Jicarilla	3 I	35-25N-4W	9-9-59	1963 MCF	7270	3685	SWF 3564-3618	4-1/2 3660
Arizona Jicarilla	4 D	36-25N-4W	9-26-59	1489 MCF	7291	3753	SWF 3614-65	4-1/2 3753
Arizona Jicarilla	6 P	36-25N-4W	9-19-59	5229 MCF	7213	3645	SWF 3516-46	4-1/2 3582
Pan American Petroleum								
Jicarilla "148"	11 H	13-25N-5W	1-12-59	7790 MCF	7323	3710	SWF 3634-64	4-1/2 3707
Amerada Petroleum								
Jicarilla Apache "F"	8 D	16-25N-5W	12-19-59	2746 MCF	6668	3850	SOF 3678-3724	5-1/2 3848
El Paso Natural Gas								
Jicarilla "67"	6 H	19-25N-5W	7-15-59	1805 MCF	6544	3909	SF 3426-3530	
Dual				984 MCF			SF 2572-2606	
Jicarilla "67"	7 G	20-25N-5W	4-13-59	534 MCF	6626	3727	SWF 2694-2704	
Dual				3133 MCF			SWF 3558-78	7-5/8 3726
Pan American Petroleum								
Jicarilla "148"	12 A	24-25N-5W	1-18-59	7790 MCF	6895	3209	SWF 3134-62	4-1/2 3209
Skelly Oil								
Jicarilla "C"	23 N	27-25N-5W	2-6-59	60 BO	6693	6280	SOF 6100-6204	5-1/2 6279
Jicarilla "C"	24 F	27-25N-5W	3-13-59	51 BO	6679	6300	SOF 6111-6219	5-1/2 6295
Jicarilla "C"	25 L	27-25N-5W	4-22-59	78 BO	6674	6205	SOF 6078-6184	5-1/2 6304
El Paso Natural Gas								
Jicarilla "67"	8 A	29-25N-5W	4-4-59	4472 MCF	6585	2681	SWF 2586-2624	5-1/2 2580
Jicarilla "67"	9 I	29-25N-5W	3-29-59	3284 MCF	6643	3633	SWF 2622-50	7-5/8 3618
Dual				1718 MCF			SWF 3486-3594	
Jicarilla "67"	10 M	30-25N-5W	12-29-59	3570 MCF	6654	7181	SOF 6846-56, 6862-70, 6876-86, 6934-44, 6953-59, 6966-74, 6978-86, and 6996-7009	5-1/2 7177
Skelly Oil								
Jicarilla "B"	19 N	31-25N-5W	1-16-59	163 BO	6753	6150	SOF 5982-6080	5-1/2 6149
Jicarilla "B"	20 D	31-25N-5W	5-25-59	153 BO	6736	7215	SOF 6012-16, 6044-60, 6074-91	7 7211
Dual				5045 MCF			SOF 7040-50, 7063-70	

S. J. Drilling	1 M	33-25N-5W	1-16-59	105 BO	6758	6350	SOF 6045-6241	5-1/2 6349
Jicarilla	22 H	33-25N-5W	1-17-59	87 BO	6793	6291	SOF 6142-6252	5-1/2 6290
Skelly Oil	67 C	1-25N-6W	2-28-59	1758 MCF	6672	2948	SWF 2836-76	5-1/2 2946
Jicarilla "C"	65 B	3-25N-6W	2-23-59	1051 MCF	6738	2965	SWF 2876-2930	5-1/2 2963
El Paso Natural Gas	69 I	15-25N-6W	3-26-59	2238 MCF	6565	3586	SWF 3400-3510	7-5/8 3584
Canyon Largo Unit	1 M	25-25N-6W	5-14-59	111 BO	6675	7140	SOF 5954-6960	5-1/2 7140
Canyon Largo Unit	34 O	25-25N-6W	6-3-59	180 MCF		7000	SOF 6907-7008	7 7000
Canyon Largo Unit			8-10-59	142 BO	6640		SOF 5914-96	
Kern County Land				2008 MCF			SOF 6863-6934	
Mckenzie Federal	2 M	26-25N-6W	12-8-59	3303 MCF	6667	7021	SWF 6816-88, 6906-16, and 6922-30	5-1/2 7014
Dual								
Mckenzie "25"								
Dual								
Kimbell, Kay								
Warren-Salazar "26"								
El Paso Natural Gas	70 A	31-25N-6W	3-6-59	484 MCF	6830	2708	SWF 2610-66	5-1/2 2707
Canyon Largo Unit	2 O	35-25N-6W	11-5-59	6237 MCF	6682	7030	SWF 6870-80, 6905-20, 6930-40, and 6996-7008	5-1/2 7030
Kimbell, Kay								
Warren Federal "35"								
Kern County Land	1 N	36-25N-6W	7-3-59	152 BO	6775	7196	SOF 5966-6045	7 7166
Harvey State	11 D	36-25N-6W	9-10-59	9000 MCF		6175	SOF 6974-7044, 7134-60	5-1/2 6174
Dual				256 BO	6786		SOF 6025-6125	
Harvey State "36"	62 D	9-25N-7W	3-20-59	139 MCF	6342	2262	SWF 2152-2178	5-1/2 2262
La Plata Gathering System	63 O	9-25N-7W	6-29-59	154 MCF	6848	2761	SWF 2637-2731	5-1/2 2760
Canyon Largo Unit	78 E	15-25N-7W	5-24-59	747 MCF	6824	2720	SWF 2618-96	5-1/2 2720
Canyon Largo Unit	79 D	21-25N-7W	3-18-59	1767 MCF	6537	2344	SWF 2242-2304	5-1/2 2342
Canyon Largo Unit	66 C	29-25N-7W	3-16-59	286 MCF	6559	2272	SWF 2140-2228	5-1/2 2272
Canyon Largo Unit	81 K	34-25N-7W	4-5-59	3232 MCF	7029	2701	SWF 2606-58	5-1/2 2699
Canyon Largo Unit	82 I	34-25N-7W	3-31-59	5432 MCF	6926	3621	SWF 2508-80	5-1/2 2630
San Juan Unit	80 O	35-25N-7W	2-21-59	3791 MCF	6828	2550	SWF 2468-96	5-1/2 2550
Federal "E"	32 C	32-26N-2W	6-5-59	2237 MCF	7529	3967	SWF 3894-3940	5-1/2 3966
Federal "F"	32 J	32-26N-2W	10-15-59	1260 MCF	7559	3989	SWF 3906-54	5-1/2 3988

COMPANY LEASE	WELL UNIT	SEC.-T.-R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TREATMENT INTERVAL	OIL STRING SIZE DEPTH
Occidental Petroleum "E" 10"	9 K	10-26N-3W	8-19-59	P & A	7120	6085		
Southern Union Gas	4 E	19-26N-4W	7-21-59	1411 MCF	6624	3375	SF 3230-3312	
Jicarilla "H"	7 B	24-26N-4W	7-27-59	4814 MCF	7042	3754	SF 3704-54	
Jicarilla "A"	4 I	25-26N-4W	7-22-59	5666 MCF	7187	3942	SWF 3670-3842	5-1/2 3916
Jicarilla "B"	1 L	27-26N-4W	12-14-59	80 BO	?	8350	SOF 8151-8325	5 8350
Jicarilla "F"				2746 MCF			SWF 5900-6030	
Dual	3 C	1-26N-5W	8- 2-59	4370 MCF	7343	4235	SWF 4078-4173	5-1/2 4218
Jicarilla "G"								
Occidental Petroleum "W" 8"	5 J	8-26N-5W	6-15-59	1970 MCF	6940	3585	SWF 3551-3492	5-1/2 3583
Southern Union Gas	5 D	25-26N-5W	6-12-59	4125 MCF	6576	3197	SWF 3062-3122	5-1/2 3196
Jicarilla "J"	6 H	25-26N-5W	6- 8-59	2712 MCF	6627	3280	SWF 3122-3200	5-1/2 3266
Jicarilla "J"	4 B	26-26N-5W	5-20-59	7458 MCF	6583	3182	SWF 3070-3144	5-1/2 3181
Caulkins Oil								
Breach "E" MD"	58 A	3-26N-6W	11-15-59	1886 MCF	6565	7700	SWF 5206-5378, 5425-29	5-1/2 7690
Dual				3546 MCF			SWF 5372-78, 5425-29, 5206-12, 5232-36, 5296-5300, 5312-18, and 5330-88	
Breach "C" MD"	224 A	14-26N-6W	9-12-59	2261 MCF	6616	7616	SWF 7294-7520	5-1/2 1029
El Paso Natural Gas	6 O	26-26N-6W	12-12-59	1696 MCF	6626	2067	SWF 2914-48	5-1/2 2067
Vaughn	7 M	26-26N-6W	12- 4-59	889 MCF	6343	2667	SWF 2586-2638	5-1/2 2665
Vaughn	4 O	29-26N-6W	10-15-59	2343 MCF	6449	3631	SWF 2592-2654	
Dual				1682 MCF			SWF 3468-3578	7 3630
Vaughn	5 L	29-26N-6W	11- 6-59	3346 MCF	6742	2981		5-1/2 2980
Klein	7 E	33-26N-6W	12-12-59	1543 MCF	6762	3968	SWF 2942-56	7 3966
Dual				1530 MCF			SWF 3788-92	
Klein	8 A	34-26N-6W	12- 5-59	1322 MCF	6342	2654	SWF 2548-2622	5-1/2 2653
Klein	9 P	35-26N-6W	12-10-59	468 MCF	6339	2631	SWF 2536-76	5-1/2 2627

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Caulkins Oil Breach "PMD" Dual	224 A	13-26N-7W	1-20-59	1608 MCF 2123 MCF	6451	7342	SWF 2716-54 SWF 4966-5146	7	7342
Consolidated Oil & Gas Superior-Jicarilla Tribal	1 P	15-27N-2W	6-20-59	P & A	7357	8445			
El Paso Natural Gas									
San Juan Unit "27-5"	22 L	14-27N-4W	11- 1-59	3865 MCF	6884	8314	SWF 5952-6066	5	8311
San Juan Unit "27-4"	23 M	19-27N-4W	11-16-59	1270 MCF	6642	5920	SWF 3540-70 SWF 5654-5800	5-1/2	5915
Dual				2359 MCF		6199	SWF 3812-68 SWF 5608-6133	5-1/2	6198
San Juan Unit "27-4"	20 G	29-27N-4W	1-21-59	2878 MCF	6938		SWF 3820-90	5-1/2	6177
Dual				3908 MCF		6180	SWF 6000-6122	5-1/2	5746
San Juan Unit "27-4"	21 B	30-27N-4W	5-19-59	2356 MCF ?			SWF 6000-6122	5-1/2	5717
Dual				2748 MCF		5749	SWF 3362-3410	5-1/2	5717
San Juan Unit "27-5"	45 K	6-27N-5W	3- 2-59	3854 MCF	6578		SWF 5156-5646	5-1/2	5717
Dual				3305 MCF		5719	SWF 3330-98	5-1/2	5717
San Juan Unit "27-5"	46 M	7-27N-5W	3-24-59	2138 MCF	6524		SWF 5475-5631	5-1/2	5717
Dual				2725 MCF		6200	SWF 5582-6088	5-1/2	6200
Pacific Northwest									
San Juan Unit "27-5-12"	39 N	12-27N-5W	7- 2-59	3033 MCF	6938		SWF 3835-88	5-1/2	5586
Dual				1025 MCF		5591	SWF 3210-78	5-1/2	5468
El Paso Natural Gas									
San Juan Unit "27-5"	47 K	18-27N-5W	3-18-59	1447 MCF	6464		SWF 5376-5502	5-1/2	5666
Dual				2445 MCF		5471	SWF 3114-52	5-1/2	5622
San Juan Unit "27-5"	48 K	19-27N-5W	3- 1-59	1714 MCF	6363		SWF 5254-5402	5-1/2	5753
Dual				2766 MCF		5671	SWF 3290-3348	5-1/2	5619
San Juan Unit "27-5"	41 K	21-27N-5W	3- 3-59	2156 MCF	6503		SWF 5450-5546	5-1/2	5396-5522
Dual				1734 MCF		5625	SWF 5426-5540	5-1/2	3282
San Juan Unit "27-5"	42 M	22-27N-5W	6-12-59	3389 MCF	6501		SWF 3410-60	5-1/2	3282
Dual				2344 MCF		5756	SWF 5552-5630	5-1/2	3282
San Juan Unit "27-5"	43 M	24-27N-5W	2-27-59	2652 MCF	6573		SWF 3238-3304	5-1/2	3282
Dual				2480 MCF		5623	SWF 4900-5014, 5396-5522	5-1/2	3282
San Juan Unit "28-6"	92 G	2-27N-6W	6- 3-59	1241 MCF	6462		SWF 3202-60	5-1/2	3282
Dual				3185 MCF		3292			
San Juan Unit "28-6"	91 F	14-27N-6W	6-30-59	1226 MCF	6478				

COMPANY LEASE	WELL UNIT	SEC.-T.-R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TREATMENT INTERVAL	OIL STRING SIZE DEPTH
El Paso Natural Gas San Juan Unit "28-6"	85 G	25-27N-6W	9-12-59	1878 MCF	6394	5444	SWF 3066-3116	5-1/2 5441
				3736 MCF			SWF 4760-4812, 5272-5398	
				1554 MCF 3481 MCF	6632	7761	SWF 5424-5528 SOF 7613-21, 7418-7514, 7538-45, 7550-7559, 7592-7603	
Rincon Unit Dual	125 N	26-27N-6W	12-11-59				SWF 5364-5506	5 7759
				1215 MCF 3705 MCF	6635	7718	SOF 7632-38, 7416-7520, 7 7542-50, 7556-64, 7596- 7606, and 7616-26	7 7718
Rincon Unit Dual	126 N	27-27N-6W	11-14-59				SWF 5328-5500	7 7283
				1499 MCF 4717 MCF	6566	7700	SOF 7364-80, 7388-7402, 7408-22, 7492-7510, 7530- 44, 7552-64, and 7576-86	7 7283
Rincon Unit Dual	127 A	28-27N-6W	12-17-59				SWF 5347-5544	5 7787
				824 MCF 2513 MCF	6689	7789	SWF 5396-5564	5 7787
Rincon Unit Dual	128 L	28-27N-6W	11-11-59				SOF 7408-68, 7544-52, 7584-94, 7600-08, and 7614-28	5 7768
				2751 MCF 6651 MCF	6701	7771	SWF 5396-5564	5 7768
Rincon Unit Dual	129 K	29-27N-6W	12-23-59				SWF 5166-5496	5 7651
							SOF 7320-28, 7358-66, 7450-60, 7490-7500, 7506-16, and 7524-34	5 7651
Rincon Unit Dual	145 O	29-27N-6W	12-4-59	P & A	?	300		
						7653	SWF 5166-5496	
Rincon Unit Dual	149 N	30-27N-6W	10-24-59	1790 MCF 4780 MCF	6626		SOF 7320-28, 7358-66, 7450-60, 7490-7500, 7506-16, and 7524-34	5 7651
							SWF 5166-5496	5 7651
Caulkin Oil Breech "F"	4 A	33-27N-6W	7-4-59	3727 MCF	6686	7800	SOF 7632-7500	5-1/2 7800
				1150 MCF			SWF 5454-5594	
Breech "F FMD" Triple	8 A	34-27N-6W	3-21-59	1234 MCF	6603	7749	SWF 3180-3224	5-1/2 3108
				1609 MCF 3667 MCF			SWF 7392-7614 SWF 4844-5527	

COMPANY LEASE	WELL UNIT	SEC.-T.-R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TREATMENT INTERVAL	OIL STRING SIZE DEPTH
Pacific Northwest Pipeline								
	San Juan Unit "17-28-5"	33 L	17-28N-5W	6-29-59	6187 MCF 6698	8174	SF 7895-8041	
	Dual				4761 MCF		SF 5361-5892	
	San Juan Unit "18-28-5"	34 M	18-28N-5W	7-11-59	2644 MCF 6525	7981	SF 5152-5686	
	Dual				5279 MCF		SF 7708-7904	
El Paso Natural Gas								
	San Juan Unit "28-5"	35 K	19-28N-5W	11-12-59	7605 MCF 6524	7955	SWF 5138-5730	5 7952
	Dual				4247 MCF		SOF 7772-7804, and 7605-26	7702-22
	San Juan Unit "28-5"	37 L	24-28N-5W	5-14-59	2859 MCF 7310	6657	SWF 6394-6570	5-1/2 6652
	San Juan Unit "28-5"	36 G	26-28N-5W	4-19-59	2573 MCF 7236	6536	SWF 6294-6449	5-1/2 6534
	San Juan Unit "28-5"	38 M	32-28N-5W	4-9-59	4540 MCF 6600	5766	SWF 5216-5690	5-1/2 5762
	San Juan Unit "28-6"	94 B	36-28N-6W	12-7-59	2564 MCF 6553	7920	SF 7552-770	
	Dual				2300 MCF		SF 5097-5624	
Pacific Northwest								
	San Juan Unit "36-28-6"	93 M	36-28N-6W	12-7-59	3067 MCF 6341	5473	SF 3192-3244	
	Dual				3408 MCF		SF 4782-5430	
El Paso Natural Gas								
	San Juan Unit "28-7"	105 N	31-28N-7W	7-14-59	2587 MCF 6223	5107	SWF 4888-5032	5-1/2 5105
	San Juan Unit "33-29-4"	18 H	33-29N-4W	11-3-59	1287 MCF 7375	8845	SWF 6484-6624	5 8843
	San Juan Unit "8-29-5"	22 L	8-29N-5W	11-23-59	6193 MCF 6559	8068	SWF 5360-5682	7 7687
Pacific Northwest Pipeline								
	San Juan Unit "21-29-5"	46 B	21-29N-5W	12-30-59	1942 MCF 6666	6000	SWF 5492-5920	5-1/2 6000
El Paso Natural Gas								
	San Juan Unit "22-29-5"	45 A	22-29N-5W	11-18-59	2516 MCF 6785	8275	SWF 5612-5802,	5 8271
	San Juan Unit "29-29-5"	31 H	29-29N-5W	11-4-59	1969 MCF 6737	6060	SWF 5496-6026	5-1/2 6060
	San Juan Unit "29-29-5"	32 N	29-29N-5W	8-19-59	5038 MCF 6532	8023	SWF 5290-5724	5 8029
	Dual				3083 MCF		SWF 7775-7799	
	San Juan Unit "30-29-5"	13 H	30-29N-5W	11-16-59	4931 MCF 6757	8214	SWF 5644-5964	5 8194
	Dual				905 MCF		SWF 7980-8096	
	San Juan Unit "13-29-6"	33 A	13-29N-6W	8-28-59	4575 MCF 6603	8093	SWF 5355-5804	7 7676
	Dual				2934 MCF		SWF 7844-52, 7918-48	

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Pacific Northwest Pipeline										
San Juan Unit "16-29-6"	37 A	16-29N-6W	11-22-59	7267 MCF	6759	6036	SWF 5492-6006	5-1/2	6036	
San Juan Unit "28-29-6"	47 B	28-29N-6W	6- 3-59	7580 MCF	6375	7697	SWF 5034-5294, SWF 7694-7766	5452-5604	7	7442
Dual				131 MCF						
El Paso Natural Gas										
San Juan Unit "4-29-6"	62 A	4-29N-6W	8-11-59	6573 MCF	6356	7865	SWF 5134-5606		5	7862
Southern Union Gas										
San Juan Unit "30-29-6"	63 A	30-29N-6W	8-23-59	4528 MCF	6466	5733	SWF 5304-5628		5-1/2	5697
Pacific Northwest										
San Juan Unit "24-29-7"	71 A	24-29N-7W	5- 7-59	4422 MCF	6245	5480	SWF 4860-5420		5-1/2	5420
Southern Union Gas										
San Juan Unit "29-7"	73 N	24-29N-7W	9-13-59	5084 MCF	6725	6041	SWF 5740-5992,	5300-5636	5-1/2	6040
San Juan Unit "29-7"	74 M	25-29N-7W	9-30-59	5009 MCF	6374	5575	SWF 4992-5528		5-1/2	5579
Pacific Northwest										
San Juan Unit "26-29-7"	72 B	26-29N-7W	4-22-59	8672 MCF	6304	5505	SOF 4844-5456		5-1/2	5500
El Paso Natural Gas										
San Juan Unit "30-4"	30 K	20-30N-4W	6-21-59	2751 MCF	7510	4525	SWF 4186-4454		5-1/2	4524
Pacific Northwest Pipeline										
San Juan Unit "8-30-5"	26 L	8-30N-5W	9-22-59	2307 MCF	6312	5700	SWF 5680-5238		5-1/2	5700
El Paso Natural Gas										
San Juan Unit "20-30-5"	27 M	20-30N-5W	9-27-59	2358 MCF	6296	7885	SWF 5162-5648		5	7882
Dual				1309 MCF			SOF 7646-72, 7774-7820			
San Juan Unit "30-5"	28 A	23-30N-5W	7-29-59	P & A	6747	1267				
San Juan Unit "30-5"	28 A	23-30N-5W	9- 9-59	3227 MCF	6748	8530	SWF 5696-6015		7	7914
San Juan Unit "30-6"	32 H	7-30N-6W	10- 8-59	4279 MCF	6308	5725	SWF 5156-5620		5-1/2	5720
San Juan Unit "30-6"	29 B	12-30N-6W	5- 1-59	3405 MCF	6381	5618	SWF 5278-5680		5-1/2	5812
San Juan Unit "30-6"	30 G	20-30N-6W	1-31-59	4647 MCF	6387	5739	SWF 5216-43, 5558-5662		5-1/2	5735
San Juan Unit "30-6"	31 N	33-30N-6W	6-11-59	5496 MCF	6367	7870	SWF 5478-5611, SWF 7711-63, 7645-87		5	7870
Dual				964 MCF						
Carraco Oil										
Sargent Estate	1 P	19-31N-3E	12-31-59	T A	7760	1214				
Pacific Northwest Pipeline										
Rosa Unit "11"	36 H	11-31N-6W	11-19-59	1947 MCF	6437	8148	SWF 5620-24, 5690-96, 5722-44, 5760-66, 5770-88, 5802-16 and 5828-36	5634-40,	5	8148

COMPANY LEASE	WELL UNIT	SEC.-T.-R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TREATMENT INTERVAL	OIL STRING SIZE DEPTH	
El Paso Natural Gas San Juan Unit "31-6"	16 N	33-31N-6W	7-24-59	1952 MCF 1783 MCF	6500	8182	SWF 5430-5838 SWF 7901-8140	5 8178	
Dual									
Rhine Petroleum Industry									
Sargent	2 A	8-32N-3E	10-21-59	F & A	8573	3004			
Sargent	1 C	16-32N-3E	9-11-59	P & A	8296	3034			
La Plata Gathering System									
San Juan Unit "32-5"	1 N	32-32N-5W	8-6-59	3835 MCF	6454	5975	SWF 5588-5910	5-1/2 5675	
Schultz, Frank A. State "32"	14 H	32-32N-5W	10-21-59	1656 MCF	6798	6331	SWF 6100-20, 6126-6202	5-1/2 6329	
La Plata Gathering System									
San Juan Unit "32-5"	1 M	25-32N-6W	12-15-59	5041 MCF	6366	5844	SWF 5444-5588	5-1/2 5835	
San Juan Unit "32-5"	1 C	26-32N-6W	5-18-59	1272 MCF	6370	5801	SWF 5319-5772	5-1/2 5800	
Turner, J. Glenn Rosa Unit "36"	34 B	36-32N-6W	6-13-59	2955 MCF	6646	6149	SWF 5758-6070	5-1/2 6149	
<u>ROOSEVELT COUNTY</u>									
Skelly Oil									
Boone	1 O	26-4S-30E	9-27-59	P & A	4560	8895			
Cabot Carbon									
Vincent, Floyd	1 H	10-7S-32E	5-27-59	P & A	4474	9465			
Brown & George Federal	1 K	33-7S-37E	10-4-59	2552 MCF	4061	8762	M/A 500 g 8022-124	5-1/2 8150	
Lario Oil & Gas									
Heilman	2 G	14-8S-34E	3-10-59	6 BO	4272	9293	R/A 10000 g 4548-4600	7-5/8 4691	
Atlantic Refining									
Love Federal	1 N	8-8S-36E	3-29-59	12 BO	4136	10000	Af 10,000 g + R/A 5000 4858-90	5-1/2 4419	
Roden, Bill									
Selman Federal	1 P	24-8S-36E	12-3-59	216 BO,	4071	9714	Natural 9632-52	5-1/2 9713	

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Atlantic Refining									
Gulf Federal	1 P	35- 8S-36E	7- 6-59	611 B0	4065	9750	M/A 500 g 9654-70	5-1/2	9750
State "AE"	2 L	36- 8S-36E	8-30-59	356 B0	4063	9750	M/A 500 g 9662-72	5-1/2	9750
Cosden Petroleum									
State "C"	1 G	36- 8S-36E	5-12-59	P & A	4062	9775			
Ohio Oil									
McGrail Federal	1 F	20- 8S-37E	1-11-59	711 B0	4064	12125	M/A 500 g OH 9490-9510	5-1/2	9636
McGrail Federal	2 B	20- 8S-37E	3-16-59	299 B0	4059	9536	Df 30,000 g + R/A 16000 9448-70	7	9534
McGrail Federal	3 H	20- 8S-37E	6-10-59	276 B0	4047	9600	Df 30,000 g + R/A 500 9466-88	5-1/2	9598
Silver Federal "A"	1 J	20- 8S-37E	4-28-59	258 B0	4048	9555	Natural 9493-9515	7	9553
Silver Federal "B"	1 L	21- 8S-37E	8-12-59	369 B0	4042	9530	Df 30,000 g + M/A 500 9460-9486	5-1/2	9525

SANDOVAL COUNTY

Abbott Brothers									
Bennett	1 M	17-16N- 3W	11-25-59	D & A	6100	1840			
Holmes, W. W.									
Haley Federal "A"	1 F	10-18N- 3W	7- 1-59	P & A	6612	1495			
Haley	1 P	17-18N- 3W	6-20-59	D & A	6573	1510			
Harvey, J. I.									
Harvey Federal "A"	1 J	21-18N- 3W	4-20-59	41 B0	6663	918		5-1/2	891
Harvey Federal "A"	2 O	21-18N- 3W	9-26-59	P & A	6604	910			
State	4 G	21-18N- 3W	8-12-59	P & A	6779	1375			
Holmes, W. W.									
Rorex Federal	1 B	28-18N- 3W	6- 4-59	P & A	6549	1220			
Harvey, J. I.									
Federal	1 H	33-18N- 3W	10-15-59	10 B0	6603	353		5-1/2	330
Federal	2 G	33-18N- 3W	9-14-59	P & A	?	820			
Larrazolo, O. A.									
NavaJo "21"	1 A	21-18N- 4W	3- 2-59	P & A	6399	1215			
NavaJo "22"	4 C	22-18N- 4W	1-19-59	300 MCF	6402	1200			
Federal "27"	1 A	27-18N- 4W		P & A	6325	1200	SMF 1056-1109	4-1/2	1124
Brown, A. N.									
Magnolia Federal	1 L	8-20N- 2W	1-18-59	P & A	6880	6192			

Standard Oil of Texas													
Federal "11-11"	1 A	11-24N-10W	2-16-59	100 BO	6941	5575	SOF 5470-84, 5501-13	5-1/2 5575					
Federal "9-12"	3 D	12-24N-10W	7-24-59	153 BO	6920	5600	SOF 5454-92	5-1/2 5600					
Federal "9-12"	4 F	12-24N-10W	11-24-59	35 BO	6928	5580	Acid 5467-77						
Bayless, R. L.													
NavaJo	1 M	21-24N-17W	10-25-59	F & A	5518	4281							
El Paso Natural Gas	1 E	2-25N-8W	8- 5-59	2588 MCF	7127	2922	SWF 2814-90	5-1/2 2920					
White, Ted M.													
NavaJo	2 I	5-25N-8W	11- 4-59	F & A	6422	2213							
Western Natural Gas	1 G	17-25N-8W	9-18-59	260 BO	6452	6705	SWF 6334-56	5-1/2 6705					
Stephenson	1 B	20-25N-8W	11- 1-59	107 BO	6515	6681	SWF 6540-70, 6354-6366	5-1/2 6681					
Keeling Federal													
Benson-Montin-Greer	1 M	35-25N-8W	3-13-59	17 BO	7312	7268	SOF 7029-39, 7120-7125	5-1/2 7271					
Pilgrim													
Gulf Oil													
Nye Federal	1 I	24-25N-9W	12-13-59	208 BO	6539	6652	SOF 6320	5-1/2 6642					
Campbell, Alex N.													
Rudman	1 E	27-25N-9W	9-15-59	F & A	6570	6527							
Brannon, M. J., Jr.													
Federal "28"	1 A	28-25N-9W	11-20-59	1993 MCF	6588	6498	SWF 6344	5-1/2 6485					
Campbell, E. P.													
Hanson	1 A	5-25N-10W	9-18-59	2471 MCF ?		6542	SWF 6374-82, 6390-94, 6420-28, and 6436-50	5-1/2 6532					
Wellshire Development													
Ma-Ga-El	2 O	19-25N-10W	1-22-59	374 BO	6574	5205	SOF 5086-5108, 5144-64	5-1/2 5205					
Elliott & Hall													
Elliott Federal "T"	5 M	28-25N-10W	2- 5-59	75 BO	6735	5396	SOF 5288-5300, 5311-29	5-1/2 5396					
Atlantic Refining													
Francisco	2 B	30-25N-10W	11-18-59	132 BO	6578	5190	SOF 5107-36	4-1/2 5189					
Wellshire Development													
Federal	1 O	35-25N-10W	3-12-59	215 BO	6749	5440	SOF 5350-5370, 5383-5401	5-1/2 5440					
Reynolds, J. V.	1 E	15-25N-11W	2- 9-59	20 BO	6355	5005	SOF 4812-36	5-1/2 5002					
Weaver													
Shell Oil													
Carson Unit "17"	33 J	17-25N-11W	12-22-59	262 BO	6396	5035	SOF 4882-4994	4-1/2 5034					

COMPANY LEASE	WELL UNIT	SEC.-T.-R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TREATMENT INTERVAL	OIL STRING SIZE DEPTH
Shell Oil								
Carson Unit "17"	44 P	17-25N-11W	10-31-59	111 B0	6424	5075	SOF 4917-5029	4-1/2 5075
Carson Unit "17"	113 L	17-25N-11W	1-18-59	136 B0	6413	11430	SOF 4918-50	5-1/2 6084
Carson Unit "18"	24 N	18-25N-11W	5- 5-59	183 B0	6397	5010	SOF 4861-89, 4894-4902	4-1/2 5007
Carson Unit "18"	33 J	18-25N-11W	5- 7-59	238 B0	6404	5050	SOF 4877-4919, 4927-40, 4964-75, 4982-97, and 5001-18	4-1/2 5045
Carson Unit "18"	42 H	18-25N-11W	10-24-59	119 B0	6411	5085	SOF 4934-5032	4-1/2 5085
Carson Unit "19"	11 D	19-25N-11W	6-15-59	96 B0	6423	5020	SOF 4854-4970	4-1/2 5016
Carson Unit "19"	23 K	19-25N-11W	2- 5-59	17 B0	6397	4975	SOF 4842-63, 4908-55	4-1/2 4974
Carson Unit "19"	31 B	19-25N-11W	12-13-59	82 B0	6428	5030	SOF 4867-4982	4-1/2 5029
Sunrey Mid-Continent Es-Kee-Ba-Ey	2 E	25-25N-11W	7-27-59	60 B0	6551	5175	Natural 5010-14	5-1/2 5175
Shell Oil								
Carson Unit "30"	22 F	30-25N-11W	9-30-59	D & A	6434	4940		
Sunrey Mid-Continent								
Central Bisti Unit	4 C	6-25N-12W	8-17-59	216 B0	6164	5000	SOF 4818-68	4-1/2 5000
Central Bisti Unit	29 I	8-25N-12W	10-14-59	21 B0	6216	4957	SOF 4763-4859	4-1/2 4952
Central Bisti Unit	31 K	8-25N-12W	8-24-59	80 B0	6235	4950	SOF 4782-4878	4-1/2 4950
Central Bisti Unit	26 I	9-25N-12W	9-17-59	281 B0	6157	4920	Natural	4-1/2 4920
Central Bisti Unit	27 K	9-25N-12W	9- 8-59	27 B0	6205	4953	SOF 4753-4848	4-1/2 4958
Shell Oil								
Carson Unit "11"	23 K	11-25N-12W	11-22-59	208 B0	6252	4940	SOF 4800-4904	4-1/2 4938
Carson Unit "11"	24 N	11-25N-12W	10-15-59	102 B0	6265	4925	SOF 4780-4879	4-1/2 4925
Carson Unit "11"	34 O	11-25N-12W	9- 7-59	81 B0	6380	5030	SOF 4884-4997	4-1/2 5027
Carson Unit "13"	11 D	13-25N-12W	11- 8-59	77 B0	6366	5030	SOF 4896-76	4-1/2 5030
Carson Unit "13"	13 L	13-25N-12W	8-31-59	144 B0	6397	5020	SOF 4866-4975	4-1/2 5020
Carson Unit "13"	22 F	13-25N-12W	11-30-59	30 B0	6374	5035	SOF 4864-4970	4-1/2 5034
Carson Unit "13"	24 N	13-25N-12W	12- 7-59	265 B0	6409	5035	SOF 4864-4978	4-1/2 5031
Carson Unit "13"	33 J	13-25N-12W	7- 9-59	119 B0	6395	5040	SOF 4876-4982	4-1/2 5038
Carson Unit "13"	42 H	13-25N-12W	8-15-59	126 B0	6378	4903	SOF 4885-98	4-1/2 4903
Carson Unit "13"	44 P	13-25N-12W	7-29-59	137 B0	6413	5025	Sf 4869-4978	4-1/2 4903

Carson Unit "14"	13 L	14-25N-12W	10- 6-59	65 BO	6260	4893	SOF 4731-4847	4-1/2 4890
Carson Unit "14"	24 N	14-25N-12W	9-21-59	81 BO	6418	5010	SOF 4856-4977	4-1/2 5010
Carson Unit "14"	31 B	14-25N-12W	5-22-59	274 BO	6397	5040	SOF 4888-5012	4-1/2 5035
Carson Unit "14"	42 H	14-25N-12W	11-15-59	157 BO	6379	5035	SOF 4860-4964	4-1/2 5033
Government "15"	33 J	15-25N-12W	12-31-59	33 BO	6225	4865	SOF 4696-4804	4-1/2 4863
Government Phillips "2"	42 H	15-25N-12W	7-26-59	37 BO	6218	4855	SOF 4711-4813	4-1/2 4850
Carson Unit "23"	31 B	23-25N-12W	7- 1-59	151 BO	6415	4995	SOF 4844-4960	4-1/2 4990
Carson Unit "23"	32 G	23-25N-12W	9-16-59	36 BO	6391	4986	SOF 4797-4919	4-1/2 4983
Carson Unit "24"	11 D	24-25N-12W	4-19-59	71 BO	6425	5015	SOF 4874-93, 4907-89	4-1/2 5013
Carson Unit "24"	34 O	24-25N-12W	7- 8-59	187 BO	6454	5000	SOF 4826-4934	4-1/2 4995
Carson Unit "24"	42 H	24-25N-12W	9-12-59	100 BO	5455	5010	Sf 4880-4986	
Carson Unit "24"	44 P	24-25N-12W	4-28-59	728 BO	6460	5025	SOF 4846-58, 4814-4961	4-1/2 5023
Drilling & Coring Exploration								
Navajo	1 F	4-25N-19W	9-15-59	P & A	5939	1490		
Navajo	2 C	9-25N-19W	11-13-59	T A	5993	1593		
Southern Union Gas								
Newsom "B"	6 G	7-26N- 8W	6- 6-59	4184 MCF	6220	2150	SWF 1955-2070	5-1/2 2147
El Paso Natural Gas								
Huerfano Unit	111 F	20-26N- 9W	7-26-59	1923 MCF	6446	6788	SWF 5603-5894	7 6786
Dual				3410 MCF			SWF 6455-6723	
Huerfano Unit	108 E	1-26N-10W	11-13-59	1079 MCF	6635	7048	SOF 6077-6168, 5899-6021	7 7044
Dual				4562 MCF			SOF 6757-65, 6843-54,	
Dual							6861-71, and 6877-87	7 7044
Huerfano Unit	109 I	2-26N-10W	6-25-59	2293 MCF	6660	7025	SOF 5905-6199	5-1/2 7022
Dual				3432 MCF			SWF 6848-6922	
Huerfano Unit	110 I	3-26N-10W	10-20-59	212 BO	6699	7105	SOF 5917-6220	7 7096
Dual				2110 MCF			SOF 6791-6915	
Huerfano Unit	112 F	17-26N-10W	8-18-59	168 BO	6593	6795	SOF 5650-5842	7 6794
Dual				964 MCF			SOF 6668-76, 6689-97,	
Dual							6705-14; 2nd stage,	
Dual							6614-23, 6570-78, and	
Dual							6630-6638	
Benson-Montin-Greer								
Greer	1 E	2-26N-11W	8- 1-59	237 BO	6370	6567	SOF 5459-5662	5-1/2 5933
El Paso Natural Gas								
Delhi Taylor "PU D"	1 M	3-26N-11W	3- 3-59	7203 MCF	6372	6646	SOF 6344-70, 6406-22	7 6636

COMPANY LEASE	WELL UNIT	SEC.-T.-R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TREATMENT INTERVAL	OIL STRING SIZE DEPTH
El Paso Natural Gas Delhi Taylor "PH D" Germany, E. W. Mead "B"	1 M 2 A	3-26N-11W 3-26N-11W	3- 3-59 11- 4-59	7203 MCF P & A	6372 ?	6646 775	SOF 6344-70, 6406-22	7 6636
El Paso Natural Gas Delhi Taylor "PU E" Skelly Oil	1 G 1 F	4-26N-11W 14-26N-11W	8- 8-59 3-30-59	4780 MCF 13 BO 1044 MCF (AOF)	6318 6446	6539 6600	SOF 6312-6406 SOF 5500-5661 SOF 6400-6416	5-1/2 6537 7 6593
Tennessee Gas Transmission USA Berger Dual	5 O	14-26N-11W	11-30-59	4 BO 6007 MCF	6406	6480	SOF 5420-5580 SWF 6270-74, 6318-42 6367-72, and 6390-6400	7 6437
Berger "GU A" USA Berger USA Berger Dual	1 J 3 I 4 N	21-26N-11W 22-26N-11W 22-26N-11W	12- 8-59 7- 7-59 8- 9-59	2312 MCF 4648 MCF 4798 MCF 41 BO	6222 6256 6319	6146 6296 6372	SOF 5998-96, 6038-70 SWF 6074-6191 SWF 6143-6215 SOF 5325-5425	4-1/2 6141 7 6262 7 6323
Gartner	1 D	27-26N-11W	12-10-59	6806 MCF	6193	6138	SOF 5918-22, 5948-52 5990-6022, and 6072-80	4-1/2 6135
Delhi-Taylor Oil Navajo Skelly Oil Goddard Petro-Atlas Walker "B" Riddle, H. K. (Trustee) Riddle Trust British-American Douthitt "B" Salge Salge "B"	2 D 11 O 1 F 1 D 19 I 4 K 6 G	28-26N-11W 1-26N-12W 4-26N-12W 18-26N-13W 27-26N-13W 34-26N-13W 34-26N-13W	10-18-59 1-25-59 3-19-59 7-30-59 4-19-59 6-27-59 4- 7-59	4050 MCF 10 BO 162 BO 141 BO 98 BO D & A 366 BO	6188 6004 5974 6481 6198 6285 6270	6140 5286 5192 5381 5080 5075 5082	SOF 5958-44 SOF 5194-5218 SOF 5078-5109 SOF 5291-5309 SOF 4944-57 SOF 4960-74	5-1/2 6140 5-1/2 5282 5-1/2 5155 5-1/2 5367 ? 5-1/2 5098

Marye "B"	6 O	35-26N-13W	7-22-59	202 B0	6233	4975	SOF 4880-97	5-1/2 4973
Pan American Petroleum Old Trading Post	2 H	10-26N-14W	11-23-59	P & A	6153	5135		
British-American Oil								
Navajo	3 I	13-26N-14W	1- 6-59	105 B0	6450	5365	SOF 5238-50	5-1/2 5363
Navajo	4 G	13-26N-14W	4-28-59	500 B0	6357	5300	SOF 5190-5206	5-1/2 5295
Navajo	5 C	13-26N-14W	5-25-59	T A	6309	5265		
El Paso Natural Gas								
Day "B"	5 A	7-27N- 8W	12-21-59	4697 MCF	6141	4793	SWF 4550-4688	5-1/2 4790
Bolack "B"	4 N	12-27N- 8W	8-23-59	2078 MCF	6675	5490	SWF 5237-70	5-1/2 5485
Dryden	4 H	12-27N- 8W	7-12-59	1823 MCF	6721	5512	SWF 5371-5486, 4952-5263	5-1/2 5504
Western Natural								
Oxnard	4 E	14-27N- 8W	3-23-59	6240 MCF	5979	2314	SWF 2215-72	5-1/2 2313
Schultz, Frank A.								
State "16"	12 N	16-27N- 8W	6-20-59	4255 MCF	6054	4621	SWF 4452-4602	5-1/2 4675
State "16"	13 G	16-27N- 8W	7-15-59	4076 MCF	6021	4650	SWF 4448-4514	5-1/2 4689
El Paso Natural Gas								
Florence "D"	15 P	17-27N- 8W	6-28-59	2728 MCF	6749	2919	SWF 2836-96, 2868-2900	5-1/2 2917
Southern Union Gas								
Navajo "B"	2 D	19-27N- 8W	2-28-59	901 MCF	6030	2143	SWF 2030-2110	5-1/2 2141
Navajo "B"	3 K	19-27N- 8W	4-13-59	913 MCF	6010	4550	SWF 2016-2148	5-1/2 4546
Dual				1629 MCF			SWF 4280-4472	
El Paso Natural Gas								
Schwerdtfeger "A"	16 C	21-27N- 8W	7-13-59	1962 MCF	6262	2457	SWF 2372-2400	5-1/2 2456
Egen, John								
Hammond	6 O	25-27N- 8W	1- 6-59	7277 MCF	5987	2225	SWF 2136-2202	5-1/2 2220
(AOF)								
Hammond	7 G	26-27N- 8W	1- 9-59	6621 MCF	5962	2188	SWF 2098-2170	5-1/2 2188
Southern Union Gas								
Navajo "B"	4 D	30-27N- 8W	3- 7-59	3696 MCF	6039	2106	SWF 2010-60	5-1/2 2102
Pacific Northwest Pipeline								
Blanco Development "1"	1 B	1-27N- 9W	8-18-59	2328 MCF	5862	4498	SWF 3674-4483	5-1/2 4498
Aztec Oil & Gas								
Hanks	10 N	5-27N- 9W	5-12-59	2260 MCF	6494	2555	SWF 2500-40	4-1/2 2555
Pacific Northwest Pipeline								
Blanco Development "27-9"	2 G	12-27N- 9W	8-30-59	2011 MCF	5910	4533	SWF 4276-4461	5-1/2 4533

COMPANY LEASE	WELL UNIT	SEC.-T.-R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TREATMENT INTERVAL	OIL STRING SIZE DEPTH
Skelly Oil Charles, John	6 A	13-27N-9W	5-13-59	5100 MCF	5998	4500	SWF 3930-4444	5-1/2 4498
Three States Natural Lodewick	3 M	18-27N-9W	6-9-59	2657 MCF	6612	7180	SF 7077-7125	
Lodewick	4 F	18-27N-9W	8-24-59	3027 MCF	6228	6771	SWF 6655-75, 6708-14	5-1/2 2325
El Paso Natural Gas Lodewick	8 P	19-27N-9W	9-5-59	2615 MCF	6448	7063	SOF 6702-10, 6787-6811, 6868-86, 6892-98, 6927- 33, and 6948-54	5-1/2 7072
Lodewick	9 C	19-27N-9W	12-14-59	4616 MCF	6517	7060	SWF 6912-26, 2934-44, and 6822-36	5-1/2 7057
Huerfanito Unit "23" Turner, J. Glenn	59 E	23-27N-9W	7-22-59	1105 MCF	6140	2196	SWF 2090-2114	
State "32" Pan American Petroleum	15 C	32-27N-9W	8-5-59	334 MCF	6480	2363	SWF 2286-2324	5-1/2 2359
Feasel, Fred "G"	1 K	2-27N-10W	8-30-59	3006 MCF (AOF)	5973	6560	SWF 6360-92	4-1/2 6552
USA Hargrave "J" Sunset International Petroleum	1 N	3-27N-10W	8-9-59	5526 MCF	6128	6790	SWF 6542-86	4-1/2 6785
Martin Federal "C"	1 B	3-27N-10W	12-23-59	7426 MCF	5986	6580	SWF 6516-46, 6450-96, and 6354-6406	5-1/2 6572
SICCO Kutz "F" Pan American Petroleum	2 H	4-27N-10W	1-13-59	5180 MCF	6182	6790	SWF 6510-6714	5-1/2 6780
Galt "J" Sunset International Petroleum	1 N	6-27N-10W	11-14-59	1250 MCF	5981	6500	SWF 6342	4-1/2 6500
Federal "J" Pan American Petroleum	2 B	6-27N-10W	1-9-59	2084 MCF	5834	6398	SWF 6160-6272	5-1/2 6396
Hargrave "H" Sunset International Petroleum	1 B	9-27N-10W	8-25-59	3116 MCF	6093	6600	SWF 6461-99	4-1/2 6600
Federal "H" Pan American Petroleum	1 L	9-27N-10W	2-7-59	5102 MCF	6063	6550	SWF 6316-6499	5-1/2 6545
Morris "GU 9-A"	1 D	10-27N-10W	12-27-59	3272 MCF	6178	6680	SWF 6566-72, 6584-88	9-5/8 236

Kingwood Oil	1 A	13-27(N)-10W	3- 7-59	227 MCF (AOF)	6172	6710	SWF 6543-6670	5-1/2 6709
US Knauff								
Pan American Petroleum								
USA Hargrave "K"	1 M	16-27(N)-10W	9-10-59	2460 MCF	5946	6465	SWF 6334-70	4-1/2 6465
Sunset International Petroleum								
Kutz "F"	1 H	16-27(N)-10W	1-20-59	4819 MCF	6070	6555	SWF 6319-6476	5-1/2 6555
Kingwood Oil								
US Argo	1 C	18-27(N)-10W	7-26-59	2530 MCF	5823	6350	SWF 6128-6270	5-1/2 6348
Frontier Refining								
Evensen Federal	2 P	19-27(N)-10W	7-13-59	6564 MCF	5964	6394	SWF 6184-96, 6331-6336, and 6300-16	7-5/8 6394
Dual				452 MCF			SOF 5523-31	
Pan American Petroleum								
Johnson "GU"	1 H	21-27(N)-10W		6029 MCF	6066	6550	Sf 6383-84, 6406-12	
Jack Frost "B"	1 P	27-27(N)-10W	3-27-59	16 BO	6543	6955	SOF 6167-87	7 6956
Dual				1053 MCF		6509	SWF 6824-62	
McAdams "B"	2 E	28-27(N)-10W	5-21-59	168 BO	6038		SOF 5630-56	7 6509
Dual				2570 MCF			SWF 6292-6359	
Weaver, W. R.								
McAdams	5 A	34-27(N)-10W	12- 6-59	92 BO	6688	6390	SOF 6304-18	5-1/2 5390
El Paso Natural Gas								
Frontier "C"	2 I	5-27(N)-11W	6-13-59	216 BO	6124	6616	SOF 5913-30, 5834-5861	7 6610
Dual				2850 MCF		6665	SOF 6506-48	
Frontier "C"	3 E	5-27(N)-11W	9-30-59	4067 MCF	6093		SOF 6368-82, 6396-6405, and 6442-6471	5-1/2 6664
Raymond Oil								
Federal "G"	1 K	5-27(N)-11W	11-16-59	84 BO	6109	5965	Sf 5824-5900	
El Paso Natural Gas								
Frontier "B"	2 D	9-27(N)-11W	3-20-59	241 BO	6171	6721	SOF 5854-78	7 6719
Dual				5164 MCF			SOF 6506-50	
Western Natural Gas								
Schlusser Federal	1 C	10-27(N)-11W	10-27-59	3812 MCF	6249	6828	SWF 6630-66	7 6828
Dual				319 BO			SOF 5962-6054	
British-American Oil								
Fullerton	5 B	15-27(N)-11W	2- 9-59	2370 MCF	6330	6794	SOF 6627-40	5-1/2 6791

COMPANY LEASE	WELL UNIT	SEC.-T.-R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TREATMENT INTERVAL	OIL STRING SIZE DEPTH
Pan American Petroleum Feasel "H" Feasel "J" Angels Peak Oil Angels Peak	1 H	33-28N-10W	6- 9-59	3758 MCF	6005	6607	SWF 6445-95	5-1/2 6607
	1 G	34-28N-10W	8-10-59	4079 MCF	5924	6540	SWF 6374-6420	5-1/2 6566
	21 I	12-28N-11W	10- 6-59	4906 MCF	5748	6528	SWF 6221-6304, and 6446-63	5-1/2 6525
Redfern & Herd Phillips Phillips Angel Peak Oil Angel Peak "B"	1 C	16-28N-11W	1- 8-59	3066 MCF	5570	6245	SWF 6190-6218	5-1/2 6241
	2 F	22-28N-11W	6-14-59	8429 MCF	5608	6236	SWF 6044-6157, 6183-6203	5-1/2 6234
	20 A	24-28N-11W	3-12-59	6572 MCF	5847	6600	SWF 6350-6507	5-1/2 6596
Benson-Montin-Greer Jones	1 P	17-28N-13W	6-21-59	1696 MCF	5947	6358	SWF 6234-6244 2nd stage 6304-18	5-1/2 6348
	2 J	17-28N-13W	9-24-59	132 B0	5960	5722	SOF 5623-70	5-1/2 5721
Aztec Oil & Gas Robison	2 P	22-28N-13W	3-20-59	5359 MCF	6077	6462	SWF 6286-6390	7 6460
	2 P	28-28N-13W	6- 4-59	3958 MCF	5952	6280	SWF 6111-6161	5-1/2 6278
Benson-Montin-Greer Fullerton Fullerton	1 A	34-28N-13W	5-15-59	5579 MCF	5952	6365	SWF 6186-6266	5-1/2 6362
	2 A	22-28N-14W	5- 1-59	52 B0	5679	5904	SOF 5140-60	5-1/2 5904
Scott Brothers Drilling Magnolia Navaajo Magnolia Navaajo Magnolia Navaajo	4 H	17-28N-16W	7-17-59	T A	5261	1610		
	1 D	20-28N-16W	7-17-59	T A	5309	2377		
	3 F	30-28N-16W	7-22-59	F & A	5427	2085		
Pan American Petroleum Lobato Gas Unit "BX" Rochelle "GU" Heath "GU F" Likins Gas Unit "C" Cole Gas Unit "B"	1 E	2-29N- 9W		3180 MCF	5621	2374	SF 2278-99	4-1/2 2345
	1 F	4-29N- 9W	6-11-59	1236 MCF	5638	2345	SWF 2238-92	4-1/2 2297
	1 E	8-29N- 9W	8- 9-59	1583 MCF	5648	2292	SWF 2157-98	4-1/2 2369
	1 C	9-29N- 9W	2-20-59	3506 MCF	5718	2370	SWF 2262-2310	4-1/2 2570
	1 O	15-29N- 9W	7- 1-59	3123 MCF	5947	2570	SWF 2451-2508	4-1/2 2570

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State "GU X"	1 O	16-29N-9W	7-17-59	2620 MCF	5777	2360	SWF 2276-2306	4-1/2	2358
Aztec Oil & Gas	7 P	31-29N-9W	4-20-59	2622 MCF	5792	2166	SWF 2102-42	4-1/2	2165
Cain									
Pan American Petroleum	1 H	32-29N-9W	7-13-59	1557 MCF	6082	2553	SOF 2450-96	4-1/2	2552
State "AX"	1 L	36-29N-9W	1-24-59	2237 MCF	5666	2155	SWF 2081-2115	4-1/2	2155
State "V"				(AOF)					
Aztec Oil & Gas	13 O	3-29N-10W	9-25-59	1451 MCF	5844	2360	SWF 2309-50	4-1/2	2359
Hare	8 P	10-29N-10W	3-27-59	2781 MCF	5728	2194	SWF 2132-70	4-1/2	2194
Hare	12 A	10-29N-10W	9-28-59	2421 MCF	5844	2353	SWF 2286-2321	4-1/2	2351
Hare	9 A	15-29N-10W	4-3-59	1943 MCF	5729	2178	SWF 2123-54	4-1/2	2178
Hare	10 F	23-29N-10W	4-11-59	3511 MCF	5745	2178	SWF 2096-2142	4-1/2	2164
Hare	11 H	23-29N-10W	10-3-59	2235 MCF	5741	2181	SWF 2106-53	4-1/2	2178
McClanahan	10 C	24-28N-10W	5-5-59	3613 MCF	5766	1975	SWF 1910-48	4-1/2	4969
Southern Union Gas	1 H	27-29N-10W	1-31-59	1465 MCF	5509	1925	SWF 988-1010	5-1/2	1918
Armenta				1683 MCF			SWF 1815-80		
Dual									
Case, Paul	1 F	30-29N-10W	1-27-59	3031 MCF	5483	1600	SWF 1500-38	5-1/2	810
Lochner									
Skelly Oil	1 A	32-29N-10W	12-8-59	1523 MCF	5615	2009	SWF 1651-84	5-1/2	2005
Mexico Federal "D"				(AOF)					
Dual				1891 MCF			SWF 1844-1881		
				(AOF)					
Texaco, Inc.	1 M	32-29N-10W	8-12-59	2513 MCF	5615	2087	SWF 1740-60	4-1/2	2087
State Unit "D"				1249 MCF			SWF 1910-48		
Dual									
El Paso Natural Gas	1 P	2-29N-11W	5-22-59	2248 MCF	5804	2216	SWF 2116-44	5-1/2	2215
Mims				(AOF)					
Murphy "A"	2 N	2-29N-11W	5-5-59	3552 MCF	5742	2152	SWF 2052-82	5-1/2	2152
International Oil									
Martin "3"	1 E	3-29N-11W	11-25-59	7146 MCF	5739	6783	SWF 6457-70, and 6564-84	5-1/2	2190
Long, Robert H.									
Elgin	1 A	3-29N-11W	1-17-59	F & A	5784	1400			

COMPANY LEASE	WELL UNIT	SEC.-T.-R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TREATMENT INTERVAL	OIL STRING SIZE DEPTH
Sierra del Oro	1 N	14-29N-11W	1- 8-59	F & A	5504	1060		
Wood Roberts, Elvis L. Wade	1 B	21-29N-11W		F & A	?	1476		
Reynolds & Reynolds	3 G	23-29N-11W	6- 1-59	21 B0	5483	735	SOF 705-15	2-1/2 735
Hare, W. L. Tennessee Gas Transmission Eaton "GU A"	1 P	25-29N-11W	11- 1-59	4791 MCF	5568	6442	SWF 6321-27, 6344-55, and 6344-55	4-1/2 6441
Redfern & Herd	1 N	33-29N-11W	12- 2-59	582 MCF	5476	1595	SWF 1536-52	4-1/2 1592
Witt Devonian Gas & Oil	1 F	4-29N-12W	6-26-59	1300 MCF 1500 MCF	5729	1850	SWF 1776-1800 SWF 1507-1573	5-1/2 1856
Federal Dual	1 O	7-29N-12W	6- 6-59	1120 MCF	5575	1559	SWF 1518-57	5-1/2 1559
Wellshire Development	1 F	7-29N-12W	9-16-59	397 MCF	5576	1568	SWF 1540-64	5-1/2 1568
Kogan Stevens	1 A	23-29N-12W	12-13-59	129 MCF	5691	1775	SWF 1730-48	4-1/2 1775
Texaco, Inc. Loe Federal "B" Sunshine Royalty	1 B	3-29N-13W	12-16-59	5501 MCF	5610	6282	SWF 6074-6110, 6160-6200	5-1/2 6281
Southern Union "B" Basin	1 P	18-29N-13W	1-12-59	1296 MCF	5230	972	Natural	5-1/2 940
Fawkes Tennessee Gas & Transmission Callow, Glenn H.	8 O	27-29N-13W	7- 7-59	506 B0 3010 MCF	5392	6030	SOF 5185-5247 SWF 5764-5884	7 5960
Dual	10 K	27-29N-13W	11-30-59	48 B0	5356	5331	SOF 5087-5210	4-1/2 5260
Callow	9 I	28-29N-13W	10-22-59	78 B0	5791	6382	SOF 5562-5628	7 6367
Dual				6818 MCF			SOF 6143-6282	
USA Callow	11 F	28-29N-13W	11-15-59	116 B0	5784	6360	SOF 5506-5633	7 6359
Dual				3328 MCF			SWF 6140-6180, 6290-98, 6222-28, and 6242-62	

COMPANY LEASE	WELL UNIT	SEC.-T.-R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TREATMENT INTERVAL	OIL STRING SIZE DEPTH
Texasco, Inc.								
State "GU C"	1 K	36-30N-10W	4-21-59	3374 MCF	5878	4848	SF 4650-4774	4-1/2 4845
State "GU F"	1 M	36-30N-10W	11- 7-59	1484 MCF	5918	2565	SWF 2452-82	5-1/2 2564
State "GU G"	1 P	36-30N-10W	11-14-59	1780 MCF	5778	2440	SWF 2330-70	5-1/2 2440
Tennessee Gas Transmission								
Blanco State Unit "2"	1 K	2-30N-11W	3-24-59	4313 MCF	5785	4758	SOE 4538-4694	5 4765
El Paso Natural Gas								
Storey "B"	5 O	11-30N-11W	12- 8-59	2658 MCF	5862	2434	SWF 2336-76	5-1/2 2431
Aztec Oil & Gas								
Nye	7 O	12-30N-11W	3-23-59	2149 MCF	6050	2719	SWF 2576-2644	4-1/2 2698
Long, Robert N.								
Nowatta	1 P	20-30N-11W	2- 1-59	P & A	5814	1490		
Spencer	1 K	22-30N-11W	5-22-59	P & A	5788	?		
International Oil								
Fogelson	1 P	27-30N-11W	9-20-59	1254 MCF	5987	7080	SWF 6772-6834	5-1/2 7071
El Paso Natural Gas								
Payne	2 O	35-30N-11W	4- 5-59	3127 MCF	5816	2244	SWF 2140-70	5-1/2 2243
Wood	2 G	35-30N-11W	4-12-59	4181 MCF	5858	2304	SWF 2194-2256	5-1/2 2300
Pan American Petroleum								
Schumacher	1 G	8-30N-12W	11-21-59	2237 MCF	5810	6805	SWF 6616-6618	4-1/2 6790
Permian Oil								
Knight	1 A	5-30N-13W	9-17-59	4017 MCF	5512	6300	SWF 6084-90, 6114-40, 6220-32	5-1/2 6297
Skelly Oil								
Mexico Federal "C"	1 G	15-30N-13W	10-31-59	3570 MCF	5763	6600	SOE 6330-6485	5-1/2 6592
Pan American Petroleum								
Miller Gas Unit	1 H	20-30N-13W	7-12-59	2549 MCF	5512	6231	SF 6054-6100	
Southern Union								
McCORD	2 L	34-30N-13W	9- 4-59	3550 MCF	5632	6351	SWF 6116-6228, 6260-86, and 6286-6306	4-1/2 6347
Bruce, Albert C.								
Richardson	1 C	4-30N-14W	10-27-59	25 BO	5596	5120	OH 5050-5111	5-1/2 5040

COMPANY LEASE	WELL UNIT	SEC.-T.-R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TREATMENT INTERVAL	OIL STRING SIZE DEPTH
El Paso Natural Gas	13 N	4-30N-16W	1-11-59	79 BO	5334	1256	SOF 1098-1140	5-1/2 1250
Horseshoe Canyon Petro-Atlas, Inc.								
Horseshoe Canyon "F"	1 L	4-30N-16W	2-25-59	110 BO	5302	1213	SOF 1079-1126	5-1/2 1212
Horseshoe Canyon "F"	2 M	4-30N-16W	3-1-59	115 BO	5292	1200	SOF 1059-1133	5-1/2 1172
El Paso Natural Gas								
Horseshoe Nava,jo	1 C	5-30N-16W	6-23-59	96 BO	5358	1237	SOF 1083-1126	5-1/2 1231
Horseshoe Nava,jo	2 D	5-30N-16W	6-8-59	92 BO	5390	1254	SOF 1093-1123, 1143-61	5-1/2 1253
Horseshoe Nava,jo	3 I	5-30N-16W	6-10-59	94 BO	5296	1182	SOF 1033-70	5-1/2 1181
Horseshoe Nava,jo	4 P	5-30N-16W	6-12-59	91 BO	5284	1171	SOF 1024-37, 1065-85	5-1/2 1166
Horseshoe Nava,jo	5 J	5-30N-16W	6-14-59	94 BO	5305	1193	SOF 1034-48, 1071-97	5-1/2 1193
Horseshoe Nava,jo	6 F	5-30N-16W	7-13-59	95 BO	5337	1201	SOF 1054-1121	5-1/2 1200
Horseshoe Nava,jo	7 O	5-30N-16W	11-28-59	75 BO	5280	1150	SOF 1022-60	5-1/2 1149
Horseshoe Nava,jo	8 E	5-30N-16W	12-3-59	55 BO	5366	1230	SOF 1093-1131	5-1/2 1230
Petro-Atlas, Inc.								
Horseshoe Canyon "D"	5 K	5-30N-16W	6-29-59	102 BO	5318	1211	SOF 1056-1109	5-1/2 1185
Horseshoe Canyon "D"	6 L	5-30N-16W	7-1-59	98 BO	5315	1197	SOF 1026-1163	5-1/2 1187
Horseshoe Canyon "D"	7 N	5-30N-16W	7-8-59	90 BO	5307	1192	SOF 1002-8, 1010-14, and 1116-34	5-1/2 1157
Horseshoe Canyon "G"	1 A	6-30N-16W	2-20-59	168 BO	5397	1250	SOF 1099-1180	5-1/2 1243
Horseshoe Canyon "G"	2 H	6-30N-16W	7-10-59	92 BO	5352	1227	SOF 1050-68, 1080-90, 1106-11, 1122-32, and 1171-80	5-1/2 1203
Horseshoe Canyon "D"	8 A	8-30N-16W	7-11-59	112 BO	5297	1200	SOF 1002-1126	5-1/2 1152
El Paso Natural Gas								
Horseshoe Canyon "A"	1 D	9-30N-16W	7-5-59	105 BO	5305	1208	SOF 1066-1107	5-1/2 1200
Abraham, J. R.								
Federal	5 I	9-30N-16W	8-28-59	648 BO	5422	1518	SOF 1332-1469	5-1/2 1512
Federal	6 F	9-30N-16W	6-2-59	624 BO	5320	1425	SOF 1256-95, 1303-22, and 1328-35	5-1/2 1423
Petro-Atlas, Inc.								
Horseshoe Canyon "F"	2 F	9-30N-16W	3-7-59	108 BO	5473	1440	SOF 1290-1314, 1326-70	5-1/2 1412

COMPANY LEASE	WELL UNIT	SEC.-T.-R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TREATMENT INTERVAL	OIL STRING SIZE DEPTH
Pan American Petroleum Lomori "A" Carter & Mandel	2 H	14-30N-16W	5-11-59	168 BO	5405	3588	SOF 3383-3407, 3477-3505	5-1/2 3602
	1 A	16-30N-16W	6-1-59	5 BO	5319	1406	SOF 1200-1222	4-1/2 1406
NE Hogback State NE Hogback State	2 B	16-30N-16W	9-11-59	P & A	5286	1324		
	1 B	24-30N-16W	9-25-59	37 BO	5379	4060	SOF 3970-98	5-1/2 4054
Pan American Petroleum Hoover "D" King Oil	2 H	4-30N-17W	9-17-59	T A	5132	1135		
	4 L	4-30N-17W	9-20-59	33 BO	5072	1070	OH 1064-1070	4-1/2 1064
NavaJo "A" NavaJo "A"	2 F	4-30N-17W	2-16-59	T A	5064	1084		
	3 D	4-30N-17W	8-30-59	D & A	5085	1074		
NavaJo "C" NavaJo "C"	5 E	4-30N-17W	10-9-59	P & A	5105	1120		
	2 H	5-30N-17W	2-16-59	T A	5052	1093	Natural	4-1/2 1050
NavaJo "G" NavaJo "G"	3 H	5-30N-17W	4-2-59	BO 24	5063	1065		
	1 F	10-30N-17W	9-3-59	T A	5168	770		
Pan American Petroleum S. Chimney Rock NavaJo S. Chimney Rock NavaJo	2 L	10-30N-17W	10-24-59	P & A	5216	725		
	King Oil							
NavaJo Pure Oil	1 E	29-30N-17W	4-30-59	P & A	4976	1132		
	1 L	23-30N-20W	5-19-59	P & A	5114	6634		
Pan American Petroleum Rosa Unit "5" X Blackwood & Nichols	35 K	5-31N-6W	9-27-59	1235 MCF	6345	8120	SWF 5600-84	5 8120
	58 A	13-31N-7W	11-3-59	5906 MCF	6516	8127	SWF 5710-5864, re-SWF 5421-5540	5-1/2 8126
NE Blanco Unit "13" Dual	57 B	21-31N-7W	9-18-59	2327 MCF		7926	SWF 7987-8102	5-1/2 7925
				5190 MCF	6395		SWF 5501-5609	
Southern Union Gas Oxnard	3 H	8-31N-8W	8-7-59	1235 MCF	6600	6150	SWF 7779-7880	5-1/2 2643
				3409 MCF			SOF 5472-5792, 5826-60	5-1/2 2643

COMPANY LEASE	WELL UNIT	SEC.-T.-R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TREATMENT INTERVAL	OIL STRING SIZE DEPTH
Pubco Petroleum								
Ute Mountain "19"	6 F	19-31N-14W	7-14-59	140 BO	5638	2846	SOF 2748-2846 (OH)	5-1/2 2748
Pubco Ute "19"	8 H	19-31N-14W	7-22-59	130 BO	5651	2821	SF 2718-2820	
Ute Mountain "19"	10 J	19-31N-14W	8-1-59	140 BO	5612	3021	OF 2921-3021 (OH)	5-1/2 1920
Ute Mountain "19"	12 L	19-31N-14W	8-9-59	140 BO	5613	3055	SOF 2954-3055	5-1/2 2951
Aztec Oil & Gas								
Ute Indian "F"	7 I	20-31N-14W	7-15-59	224 BO	5642	2927	Natural	4-1/2 2896
Ute Indian "E"	8 D	20-31N-14W	8-13-59	80 BO	5647	2713	Natural	4-1/2 2598
Southern Union Gas								
Ute Indian "20"	3 C	20-31N-14W	5-23-59	90 BO	5684	2794	SOF 2626-2728	5-1/2 2798
Ute Indian "20"	2 O	20-31N-14W	4-14-59	94 BO	5618	3329	SOF 3222-93	5-1/2 3329
Ute Indian "20"	4 A	20-31N-14W	6-29-59	93 BO	5719	2835	SOF 2670-2792	5-1/2 2833
Ute Indian "20"	5 L	20-31N-14W	9-19-59	111 BO	5615	3076	Natural	5-1/2 2938
KMOC, Inc.								
Ute Mountain	7 K	21-31N-14W	9-22-59	85 BO	5623	2953	OH 2807-2953	5-1/2 2825
Magnolia Petroleum								
Ute Mountain	2 E	21-31N-14W	3-30-59	135 BO	5673	2887	SOF 2770-2887 (OH)	5-1/2 2770
Ute Mountain	4 M	21-31N-14W	7-3-59	126 BO	5530	3145	SOF 3030-3145 (OH)	5-1/2 3020
Ute Mountain	5 O	21-31N-14W	7-2-59	50 BO	5485	3092	SOF 2910-3093	5-1/2 2925
Ute Mountain	6 G	21-31N-14W	8-28-59	109 BO	5657	2830	SOF 2732-2828	4-1/2 293
Socony Mobil Oil								
Ute Mountain	8 I	21-31N-14W	10-20-59	101 BO	5599	2904	SOF 2765-2904 (OH)	4-1/2 2904
Ute Mountain	9 M	22-31N-14W	11-9-59	30 BO	5609	3075	OH 2940-3075	5-1/2 2940
Pan American Petroleum								
Ute "F"	1 D	28-31N-14W	8-9-59	104 BO	5578	3520		
Ute Mountain Tribal "F"	2 B	28-31N-14W	10-16-59	10 BO	5553	3344	SOF 3230-3344	4 3340
Ute Mountain "F"	3 F	28-31N-14W	12-6-59	16 BO	5533	3840	SOF 3717-3825	5-1/2 3682
Standard Oil of Texas								
Ute Mountain "2-29"	5 J	29-31N-14W	7-22-59	153 BO	5560	4512	SOF 4284-4512	4 4512
Ute Mountain "2-29"	6 L	29-31N-14W	10-13-59	76 BO	5526	4683	SOF 4550-4686 (OH)	5-1/2 4550
Three States								
Tribal	4 C	30-31N-14W	4-6-59	63 BO	5553	3855	SOF 3755-3855	4-1/2 3855

Tribal	5 I	30-31N-14W	11- 3-59	65 B0	5511	4665	SOF 4565-4665	4-1/2 4665
Tribal	6 J	30-31N-14W	11-19-59	72 B0	5547	4672	SOF 4547-4667	4-1/2 4483
Southern Union Gas	1 F	3-31N-15W	11-28-59	P & A	5836	2660		
Aztec Oil & Gas	1 G	4-31N-15W	9-15-59	T A	5866	2675		
El Paso Natural Gas	14 O	11-31N-15W	5-10-59	88 B0	5980	2313	SOF 2233-2325	5-1/2 2223
Carroll, C. M.	4 J	13-31N-15W	1-17-59	209 B0	5609	2480	SOF 2375-2480 (OH)	5-1/2 2375
Ute "A"	5 N	13-31N-15W	2-14-59	425 B0	5696	2674	OH 2569-2674	5-1/2 2569
Ute "A"	6 L	13-31N-15W	7-13-59	102 B0	5809	2593	SOF 2488-2593 (OH)	5-1/2 2488
Ute "A"	7 F	13-31N-15W	7-29-59	162 B0	5683	2468	SF 2363-2468 (OH)	
Aztec Oil & Gas	1 K	15-31N-15W	5-23-59	78 B0	5715	1991	SOF 1886-1991	4-1/2 1886
Ute Indian "C"	2 E	15-31N-15W	7-22-59	5 B0	5733	2020	SOF (OH)	4-1/2 1887
Ute Indian "C"	1 O	15-31N-15W	2-24-59	70 B0	5807	2377	SOF 2078-2234	5-1/2 2369
Southern Union Gas	2 M	15-31N-15W	3- 8-59	70 B0	5672	2190	SOF 1882-2018	5-1/2 2165
Ute Indian "15"	3 I	16-31N-15W	7-28-59	7 B0	5696	1987	SOF (OH)	4-1/2 1869
Aztec Oil & Gas	8 P	22-31N-15W	5-10-59	34 B0	5662	2465	SF 2375-2465, OH 2475	4-1/2 2465
Tennessee Gas Transmission	4 N	23-31N-15W	7- 4-59	59 B0	5575	2675	SOF 2565-2675	4-1/2 2564
Ute Mountain "A"	6 E	23-31N-15W	6-30-59	103 B0	5824	2633	SOF 2552-2631 (OH)	4-1/2 2523
Aztec Oil & Gas	7 I	24-31N-15W	8- 7-59	240 B0	5611	3113	SOF 2996-3010 (OH)	4-1/2 2996
Southern Union Gas	3 J	24-31N-15W	1-15-59	80 B0	5568	3136	SOF 2958-3094	5-1/2 3136
Ute Indian "24"	6 H	24-31N-15W	9-30-59	73 B0	5551	2815	Natural	5-1/2 2677
Ute Indian "24"	4 N	26-31N-15W	1-24-59	T A	5461	4005		
Pan American Petroleum	5 B	26-31N-15W	2- 9-59	82 B0	5558	3335	SOF 3080-3140	5-1/2 3333
Ute Mountain "E"	6 F	26-31N-15W	12-17-59	P & A	5549	3180		
Ute Mountain "E"	3 J	34-31N-15W	1-30-59	23 B0	5494	4260	SOF 4126-90	5-1/2 4259
Ute Mountain "C"	4 B	34-31N-15W	2-25-59	T A	5531	3481		

COMPANY LEASE	WELL UNIT	SEC.-T.-R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TREATMENT INTERVAL	OIL STRING SIZE DEPTH
Atlantic Refining	13 N	17-31N-16W	4- 1-59	P & A	?	1792		
	1 N	19-31N-16W	2-31-59	111 BO	5675	1585	SOF 1380-1406, 1502-16	5-1/2 1577
	2 L	19-31N-16W	3- 7-59	345 BO	5608	1480	SOF 1300-32, 1418-32	5-1/2 1474
	3 P	19-31N-16W	3- 3-59	175 BO	5505	1453	SOF 1290-1304	4-1/2 1446
	4 J	19-31N-16W	3-16-59	116 BO	5535	1480	SOF 1313-22	4-1/2 1474
	5 F	19-31N-16W	3-20-59	21 BO	5551	1493	SOF 1310-17	4-1/2 1488
	6 D	19-31N-16W	8- 6-59	11 BO	5697	1600	SOF 1440-56	4-1/2 1506
	14 P	19-31N-16W	4-26-59	103 BO	5707	1567	SOF 1391-1414, 1506-26	4-1/2 1562
	15 O	19-31N-16W	6- 5-59	218 BO	5543	1501	SOF 1299-1341, 1419-29	4-1/2 1480
	16 K	19-31N-16W	6- 1-59	73 BO	5561	1507	SOF 1309-30, 14??-1439	4-1/2 1500
	17 E	19-31N-16W	6-29-59	206 BO	5619	1515	SOF 1326-44, 1443-1452	4-1/2 1498
	19 I	19-31N-16W	6-18-59	240 BO	5657	1526	SOF 1333-45	4-1/2 1392
	7 N	20-31N-16W	3-26-59	251 BO	5616	1586	SOF 1433-47	4-1/2 1513
	8 L	20-31N-16W	6-25-59	77 BO	5677	1598	SOF 1503-20	4-1/2 1588
	18 M	20-31N-16W	6-21-59	59 BO	5475	1361	SOF 1284-1300	4-1/2 1353
	23 O	20-31N-16W	6-19-59	111 BO	5553	1460	SOF 1385-1402	4-1/2 1455
	24 K	20-31N-16W	8-19-59	73 BO	5560	1460	SOF 1401-13	4-1/2 1454
Ute	3 G	25-31N-16W	11-24-59	P & A	5574	1810		
El Paso Natural Gas	24 N	27-31N-16W	10-14-59	55 BO	5501	1584	SOF 1330-1412	5-1/2 1578
Horseshoe Ute								
Petro-Atlas, Inc.	4 M	27-31N-16W	6-30-59	106 BO	5596	1537	SOF 1462-82, 1488-94	5-1/2 1528
Ute Navajo	5 L	27-31N-16W	10- 2-59	86 BO	5622	1561	SOF 1498-1528	5-1/2 1555
Banner Drilling								
Ute	7 H	28-31N-16W	8-13-59	75 BO	5696	1760	SOF 1582-1608	5-1/2 1748
Ute	8 A	28-31N-16W	8-26-59	70 BO	5666	1750	SOF 1578-1600	5-1/2 1660
El Paso Natural Gas								
Horseshoe Ute	16 P	28-31N-16W	7-16-59	82 BO	5585	1626	SOF 1447-78	5-1/2 1625
Horseshoe Ute	17 O	28-31N-16W	7-21-59	72 BO	5727	1751	SOF 1584-1614	5-1/2 1751
Horseshoe Ute	18 N	28-31N-16W	7-28-59	68 BO	5756	1761	SOF 1576-1608	5-1/2 1760
Horseshoe Ute	19 K	28-31N-16W	8- 2-59	88 BO	5770	1745	SOF 1607-34	5-1/2 1744

Horseshoe Ute	22 J	28-31N-16W	9- 2-59	60 BO	5760	1783	SOF 1602-28	5-1/2 1782
Horseshoe Ute	23 I	28-31N-16W	9- 8-59	75 BO	5723	1768	SOF 1574-1600	5-1/2 1767
Horseshoe Ute	25 G	28-31N-16W	10-19-59	55 BO	5756	1727	SOF 1622-45	5-1/2 1717
Horseshoe Ute	26 F	28-31N-16W	10-25-59	60 BO	5763	1711	SOF 1609-34	5-1/2 1710
Horseshoe Ute	27 M	28-31N-16W	11- 6-59	60 BO	5442	1362	SOF 1250-86	5-1/2 1361
Atlantic Refining								
Navajo	21 P	29-31N-16W	1-20-59	104 BO	5597	1573	SOF 1402-28	4-1/2 1557
Navajo	23 F	29-31N-16W	2-16-59	501 BO	5432	1371	SOF 1204-26	5-1/2 1379
Navajo	24 D	29-31N-16W	2-25-59	120 BO	5478	1419	SOF 1262-76	4-1/2 1410
Navajo	26 B	29-31N-16W	3-12-59	102 BO	5488	1447	SOF 1296-1313	4-1/2 1347
Navajo	33 A	29-31N-16W	10-29-59	26 BO	5467	1378	SOF 1304-22	4-1/2 1365
Navajo	34 I	29-31N-16W	6- 5-59	83 BO	5599	1505	SOF 1423-46	4-1/2 1495
Navajo	35 G	29-31N-16W	6- 7-59	68 BO	5441	1335	SOF 1231-52	4-1/2 1304
Navajo	36 C	29-31N-16W	6- 8-59	75 BO	5445	1399	SOF 1244-61	4-1/2 1312
Navajo	38 O	29-31N-16W	5-21-59	149 BO	5390	1370	SOF 1173-78, 1302-11	4-1/2 1364
Navajo	39 K	29-31N-16W	5-24-59	113 BO	5416	1378	SOF 1186-1212, 1312-24	4-1/2 1374
Navajo	40 E	29-31N-16W	5-27-59	140 BO	5456	1405	SOF 1210-35	4-1/2 1399
Navajo	45 M	29-31N-16W	5- 6-59	121 BO	5447	2077	SOF 1180-1217, 1300-20	4-1/2 1381
Navajo	18 N	30-31N-16W	1-11-59	113 BO	5517	1357	SOF 1196-1308	5-1/2 1345
Navajo	19 L	30-31N-16W	1-14-59	277 BO	5598	1357	SOF 1256-1374	5-1/2 1412
Navajo	41 A	30-31N-16W	5-30-59	1 BO	5524	1456	SOF 1388-93	4-1/2 1447
Navajo	46 I	30-31N-16W	5-29-59	431 BO	5475	1400	SOF 1201-26, 1328-46	4-1/2 1394
Navajo	47 G	30-31N-16W	5-13-59	415 BO	5554	1462	SOF 1266-92, 1390-1409	4-1/2 1456
Navajo	48 C	30-31N-16W	5-16-59	101 BO	5575	1471	SOF 1278-83, 1288-1310, and 1401-20	4-1/2 1465
Navajo	53 O	30-31N-16W	5- 7-59	133 BO	5472	1376	SOF 1183-1211, 1284-1318	4-1/2 1370
Navajo	54 K	30-31N-16W	5-10-59	117 BO	5548	1414	SOF 1231-63, 1339-79	4-1/2 1408
Navajo	55 E	30-31N-16W	4-23-59	116 BO	5743	1603	SOF 1406-334	4-1/2 1592
Navajo	60 P	30-31N-16W	5-25-59	84 BO	5525	1386	SOF 1224-60, 1305-11	4-1/2 1353
Navajo	27 M	31-31N-16W	1-24-59	323 BO	5421	1281	SOF 1126-46	4-1/2 1256
Navajo	28 J	31-31N-16W	1- 6-59	84 BO	5462	1321	SOF 1168-86	5-1/2 1309
Navajo	29 F	31-31N-16W	2-11-59	99 BO	5554	1371	SOF 1233-56, 1301-10	5-1/2 1366
Navajo	30 D	31-31N-16W	1-30-59	96 BO	5499	1315	SOF 1168-1236	5-1/2 1297
Navajo	31 N	31-31N-16W	T A		5436	?		
Navajo	52 A	31-31N-16W	5- 4-59	508 BO	5424	1324	SOF 1140-73, 1249-76	4-1/2 1318
Navajo	57 E	31-31N-16W	5-16-59	112 BO	5317	1305	SOF 1104-84	4-1/2 1236

COMPANY LEASE	WELL UNIT	SEC., T., R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TREATMENT INTERVAL	OIL STRING SIZE DEPTH
Atlantic Refining								
Nava,jo	58 G	31-31N-16W	5-19-59	317 B0	5467	1322	SOF 1168-98	4-1/2 1248
Nava,jo	59 C	31-31N-16W	5-22-59	44 B0	5489	1312	SOF 1179-98, 1253-58	4-1/2 1304
Nava,jo	63 E	31-31N-16W	5-28-59	T A	5497	1328		
Nava,jo	37 A	32-31N-16W	5-19-59	93 B0	5386	1388	SOF 1181-86, 1196-1212, and 1309-18	4-1/2 1380
Nava,jo	42 I	32-31N-16W	4-22-59	360 B0	5338	1312	SOF 1107-21, 1129-46, and 1233-44	4-1/2 1307
Nava,jo	43 G	32-31N-16W	4-25-59	123 B0	5356	1323	SOF 1127-32, 1136-62, and 1253-70	4-1/2 1271
Nava,jo	44 C	32-31N-16W	4-29-59	473 B0	5396	1335	SOF 1143-81, 1265-86	4-1/2 1330
Nava,jo	49 O	32-31N-16W	4-17-59	892 B0	5335	1271	SOF 1084-1110, 1173-1202	4-1/2 1256
Nava,jo	50 J	32-31N-16W	4-29-59	441 B0	5366	1278	SOF 1122-34, 1201-30	4-1/2 1270
Nava,jo	51 E	32-31N-16W	5- 1-59	567 B0	5394	1302	SOF 1114-38, 1204-36	4-1/2 1288
Nava,jo	56 M	32-31N-16W	5-13-59	480 B0	5402	1287	SOF 1119-51	4-1/2 1224
Nava,jo	65 L	33-31N-16W	11-10-59	496 B0	5339	1327	SOF 1128-59	4-1/2 1312
Nava,jo	66 D	33-31N-16W	11-14-59	93 B0	5410	1410	SOF 1226-1363	4-1/2 1408
El Paso Natural Gas								
Horseshoe Ute	3 M	33-31N-16W	3- 3-59	105 B0	5334	1277	SOF 1090-1130, 1200-34	5-1/2 1276
Horseshoe Ute	5 E	33-31N-16W	9- 7-59	98 B0	5401	1370	SOF 1190-1220, 1310-32	5-1/2 1368
Horseshoe Ute	12 F	33-31N-16W	5- 8-59	101 B0	5653	1637	SOF 1454-94	5-1/2 1636
Horseshoe Ute	13 C	33-31N-16W	5-13-59	85 B0	5663	1648	SOF 1484-1518	5-1/2 1647
Horseshoe Ute	14 B	33-31N-16W	5-18-59	92 B0	5560	1566	SOF 1393-1427	5-1/2 1565
Horseshoe Ute	15 D	34-31N-16W	6-18-59	94 B0	5519	1556	SOF 1388-1417	5-1/2 1555
Horseshoe Ute	20 J	34-31N-16W	8- 7-59	82 B0	5421	1484	SOF 1298-1335	5-1/2 1481
Horseshoe Ute	21 G	34-31N-16W	8-12-59	90 B0	5459	1527	SOF 1355-90	5-1/2 1525
Horseshoe Ute	28 I	34-31N-16W	12-10-59	54 B0	5452	1453	SOF 1342-78	5-1/2 1446
Horseshoe Ute	29 B	34-31N-16W	12-15-59	45 B0	5478	1473	SOF 1380-1414	5-1/2 1472
Horseshoe Ute	30 H	34-31N-16W	12-23-59	42 B0	5478	1486	SOF 1377-1413	5-1/2 1485
Petro-Atlas, Inc.								
Ute	3 P	34-31N-16W	6-28-59	98 B0	5481	1463	SOF 1378-1417	5-1/2 1456

COMPANY LEASE	WELL UNIT	SEC.-T.-R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TREATMENT INTERVAL	OIL STRING SIZE DEPTH	
Humble Oil & Refining	9 K	10-31N-17W	3-19-59	124 B0	5218	924	SOF 877-902	4 923	
	11 I	10-31N-17W	3-31-59	62 B0	5224	917	SOF 880-894	4 914	
	14 M	10-31N-17W	4-16-59	736 MCF	5193	860	SOF 826-836	4 850	
	16 H	10-31N-17W	6-11-59	60 B0	5246	975	SOF 922-931	5 969	
	17 G	10-31N-17W	4-24-59	85 B0	5229	954	SOF 916-928	4 952	
	18 C	10-31N-17W	4-20-59	56 B0	5262	1027	SOF 978-990	4 1025	
	20 F	10-31N-17W	5-13-59	115 B0	5247	975	SOF 945-963	4 974	
	21 D	10-31N-17W	5-17-59	61 B0	5243	998	SOF 962-79	5 997	
	30 B	10-31N-17W	7- 9-59	5 B0	5267	1019	SOF 964-73	5 979	
	36 A	10-31N-17W	7-13-59	F & A	5277	1022			
	39 L	10-31N-17W	7-30-59	70 B0	5213	950	SOF 883-914	4-1/2 933	
	41 J	10-31N-17W	8- 4-59	160 B0	5214	915	SOF 872-82	4-1/2 901	
	1 N	11-31N-17W	5- 1-59	104 B0	5295	1010	SOF 971-983	4 1004	
	2 L	11-31N-17W	5- 8-59	100 B0	5234	930	SOF 899-911	5 927	
	4 M	11-31N-17W	7-29-59	106 B0	5259	958	SOF 905-920	4-1/2 947	
	5 O	11-31N-17W	8- 5-59	F & A	5315	1065			
	6 E	11-31N-17W	7-28-59	8 B0	5236	972	SOF 917-927	4-1/2 964	
	Magnolia Petroleum	6 M	13-31N-17W	5-20-59	116 B0	5893	1673	SOF 1608-14, 1609-28	5-1/2 1673
		15 N	13-31N-17W	8- 4-59	80 B0	5874	1695	Sf 1509-1516, 1617-1627	
		18 L	13-31N-17W	8-30-59	85 B0	5636	1415	SOF 1239-58	5-1/2 1415
Socony Mobil Oil	20 O	13-31N-17W	10-21-59	113 B0	5829	1665	SOF 1499-1621	5-1/2 1665	
	21 K	13-31N-17W	11-24-59	62 B0	5647	1657	SOF 1489-1612	5-1/2 1657	
Magnolia Petroleum	9 C	14-31N-17W	6- 7-59	114 B0	5339	1101	SOF 1014-51	5-1/2 1101	
	10 G	14-31N-17W	7- 2-59	90 B0	5670	1398	SOF 1335-52	5-1/2 1398	
	11 I	14-31N-17W	6-23-59	62 B0	5768	1405	SOF 1334-52	5-1/2 1405	
	12 P	14-31N-17W	7- 4-59	84 B0	5907	1660	SOF 1578-1606	5-1/2 1660	
	14 K	14-31N-17W	7- 7-59	108 B0	5922	1658	SOF 1580-1600	5-1/2 1658	
	16 B	14-31N-17W	7-28-59	31 B0	5357	1130	SOF 944-1053	5-1/2 1130	

COMPANY LEASE	WELL UNIT	SEC.-T.-R.	COMP. DATE	INIT. PROD. TEST	ELEV.	TOTAL DEPTH	TREATMENT INTERVAL	OIL STRING SIZE DEPTH
El Paso Natural Gas								
San Juan Unit "32-7"	22 N	29-32N-7W	8-30-59	1856 MCF 6318		8014	SWF 5308-5640, 7868-7925	5 8012
San Juan Unit "32-8"	31 L	22-32N-8W	10-27-59	1755 MCF 6908		6398	SWF 6094-6226	5-1/2 6392
San Juan Unit "32-9"	70 H	21-32N-9W	7-18-59	P & A 6909		3957		
San Juan Unit "32-9" X	70 H	21-32N-9W	9-10-59	3543 MCF 6919		8596	Wf 5876-6362	5 8593
Pacific Northwest Pipeline								
San Juan Unit "32-9"	71 A	33-32N-9W	6-15-59	3459 MCF 6613		6000	SWF 5432-5994	5-1/2 6000
El Paso Natural Gas								
San Juan Unit "32-9"	69 M	13-32N-10W	6-8-59	2208 MCF 6810		6151	SWF 5812-6038	5-1/2 6145
San Juan Unit "32-9"	67 B	24-32N-10W	5-19-59	1976 MCF 6825		6172	SWF 5804-6044	5-1/2 6168
San Juan Unit "32-9"	68 M	24-32N-10W	4-15-59	3756 MCF 6802		6154	SWF 5558-6040	5-1/2 6151
Aztec Oil & Gas								
Culpepper-Martin	12 N	20-32N-12W	8-27-59	9539 MCF 5902 (AOF)		4881	SWF 4628-4804	7 4881
Culpepper-Martin	11 A	29-32N-12W	8-7-59	4931 MCF 5954		4935	SWF 4732-4893	7 4935
Culpepper-Martin	13 N	29-32N-12W	9-14-59	4394 MCF 5895		4840	SWF 4600-4758	7 4840
Culpepper-Martin	10 K	32-32N-12W	7-22-59	4599 MCF 5893		4901	SWF 4843-74	7 4901
Monsanto Chemical								
Montoya Unit	1 N	25-32N-13W	2-1-59	3500 MCF 5879		4800	SWF 4556-4768	5-1/2 4798
Kern County Land								
Forest Ute	1 O	34-32N-15W	9-27-59	P & A 5821		2125		
Murphy								
Navajo Tribal "32"	1 A	32-32N-17W	1-11-59	P & A 5444		1145		
Texas Pacific Coal & Oil								
Navajo "A"	1 P	32-32N-17W	12-1-59	D & A 5346		1254		
Skelly Oil								
Navajo "M"	1 M	33-32N-17W	5-11-59	78 BO 5346		1252	SOF 1156-72	5 1231
Navajo "M"	2 K	33-32N-17W	7-31-59	D & A 5382		1259		
Navajo "M"	3 O	33-32N-17W	7-31-59	D & A 5346		1247		
Navajo "M"	4 G	33-32N-17W	7-31-59	D & A 5420		1250		
Navajo "M"	5 E	33-32N-17W	7-31-59	D & A 5400		1195		
Navajo "M"	6 I	33-32N-17W	6-16-59	D & A 5367		1261		

Aztec Oil & Gas								
Texas NavaJo "A"	3 P	25-32N-18W	11-14-59	F & A	5498			1616
Compas Exploration								
NavaJo "32"	1 E	32-32N-18W	5-12-59	P & A	5251			8000
						<u>SAN MIGUEL COUNTY</u>		
Miami Petroleum								
Hoover Ranch	3 C	25-13N-26E	4-13-59	P & A	4158			6670
Carmichael, J. D.								
Federal	2 K	4-14N-12E	9- 9-59	T A	?			750
Crocker Drilling								
Urmsom & Dumas	1 I	4-15N-12E	8-16-59	P & A	?			120
Hancock Exploration, Ltd.								
Sedberry, Wm.	1 B	25-17N-16E	8- 5-59	T A	6572			5135
						<u>SIERRA COUNTY</u>		
Sunray Mid-Continent								
State Federal "M"	1 P	23-15S- 2W	4-18-59	P & A	4689			9765
						<u>SOCORRO COUNTY</u>		
Spanel & Heinze								
Santa Fe Pacific "9608"	1 F	17- 4N- 5W	8-20-59	P & A	6057			5000
						<u>UNION COUNTY</u>		
Western Oil & Gas								
Federal	1 G	29-26N-33E	11-30-59	P & A	5475			5053
						<u>VALENCIA COUNTY</u>		
Spanel & Heinze								
Santa Fe Pacific "9612"	1 M	5- 5N- 7W	8-20-59	P & A	7486			4992
Honolulu-New Mexico Oil Venture								
New Mexico & Arizona								
Land & Cattle "A"	2 E	27- 7N- 4W	8- 5-59	T A	?			3604

PART III

SAMPLE LIBRARY

<u>S.</u>	<u>T.</u>	<u>R.</u>	<u>WELL</u>	<u>INTERVAL</u>
20	2N	22E	Pair 1 Overton Fed.	0-5420
18	2N	25E	Johnson 1 Myrick	1000-1390
14	2N	28E	Haschke 1 Elliott Clutts	500-2535
29	3N	24E	Stevens, Blackhawk & Minerals 1 Gov't.	600-1330
20	8N	22E	Thompson 1 Tucumcari First National Bank	90-6036
2	8N	23E	General Crude 1-1 State	50-7090
17	8N	27E	Johnson Irrigation Test	0-1020
15	10N	22E	Riley 1 Spires	635-1420
26	10N	22E	Riley 2 Spires	1200-1500
14	10N	24E	General Crude 1-14 Wilkie	100-6977
2	10N	27E	Miami 1-A Hoover Ranch "C"	600-6415
31	10N	30E	Sunray Mid-Continent 1 Briscoe	0-9050
27	10N	31E	Burk Royalty 1 Elder Dennis	40-2710
22	11N	21E	Cities Service 1 Driggers	40-4575
14	12N	28E	Miami 1 Hoover Ranch	0-6845
18	12N	29E	Miami 2 Hoover Ranch	350-7075
25	13N	26E	Miami 3 Hoover Ranch	340-6670
12	14N	27E	Miami 2 Bell Ranch	340-3200
16	14N	32E	Sunray Mid-Continent 1 State "N"	640-2850
34	15N	26E	Miami 1 Bell Ranch	0-2663
20	15N	18W	Doty 10 S. F.	0-2402
20	15N	18W	Doty 11 S. F.	123-2305
3	17N	7W	Sinclair 1 Santa Fe 166 "G"	70-3360
3	18N	19E	National Park Service 1 Ft. Union	1-320
28	18N	1W	Late 1 Gulf Fed.	12-1547
28	18N	3W	Holmes 1 Rorex Fed.	400-1210
32	18N	16W	Superior K-1 Navajo	0-2500
16	19N	6W	Eastern 1 State	310-3700
26	19N	7W	Villiard & Reynolds 1 Fed.	160-4420
24	20N	26E	Belcher Trustee 1 Gambrel	0-1348
34	20N	1W	Johnson 1 Heller	800-3813
8	20N	2W	Brown 1 Magnolia A Fed.	200-6180
13	20N	3W	Ferris 1 Elliott	100-5380

<u>S.</u>	<u>T.</u>	<u>R.</u>	<u>WELL</u>	<u>INTERVAL</u>
12	20N	6W	Davis 1 McCollum Gov't.	750-5173
20	20N	9W	Chaco 20-1 Santa Fe R. R.	500-3935
26	20N	11W	Sinclair 1 Santa Fe 205 Sgt.	300-6400
26	20N	13W	Sinclair 1 Richardson Fed.	200-3630
22	21N	5W	Shell 1 Shell Pool Four	220-5080
35	21N	5W	Shell 1 Shell Hall	240-5683
10	21N	6W	Davis 1 Gov't. Locke "B"	1230-5800
32	21N	6W	Davis 1 Gov't. Locke "A"	1160-5445
20	21N	7W	Davis 1 Gov't. Co-Op.	180-5295
18	21N	12W	Sinclair 1 Navajo Allotted	120-3852
1	22N	7W	Germany 1 Pettigrew	1500-5000
19	22N	7W	Sinclair 1 National Fed.	300-5830
2	22N	8W	Davis 5 South Chaco	2500-6000
9	22N	10W	La Rue 4 Kinebeto	110-4976
26	22N	10W	N. W. Production 1 Kinebeto	500-4785
14	23N	17E	Continental 1 Mares-Duran	250-7655
13	23N	21E	Colombine 1 George	70-1400
18	23N	1W	Magnolia 1 Millenburgh	200-3060
21	23N	5W	Sunray Mid-Continent 1 N. Mex. Apache	390-6600
3	23N	6W	Texaco 1 Yarbrough Fed.	0-6690
10	23N	6W	Texaco 1 Yarbrough "B"	400-5550
9	23N	7W	Southern Union Gas 1 Dunn	1700-5718
13	23N	7W	Rhodes 1 Fed. Elkins	150-5517
23	23N	7W	Texota 1 Fed.	250-5480
31	23N	7W	La Rue 1 Fulton Fed.	1200-6021
1	23N	8W	Ambassador 1 G. Western Fed.	5165-5425
16	23N	8W	Great Western 4 Chaco	300-5311
30	23N	8W	Davis 7 North Chaco	3100-5719
12	23N	9W	Davis 6 Chaco	4200-5950
17	23N	10W	La Rue 2 Kinebeto	1750-5469
27	23N	10W	La Rue 3 Kinebeto	100-5437
20	23N	11W	Shell 3 Meyer	250-4050
26	23N	11W	Shell 2 Meyer Gov't.	180-4170
5	23N	12W	Humble 3 Tanner	310-4930
23	23N	12W	Humble 2 Tanner	312-4820
14	24N	30E	Galbreath 1 Britt et al.	300-2603
12	24N	1W	Magnolia 1 Hooten	320-2620
21	24N	1W	Magnolia 1 Werntz Fed.	440-2965
22	24N	1W	Magnolia 1 McDaniel	300-2985
27	24N	1W	Magnolia 1 Duff Fed.	670-3180
27	24N	1W	Magnolia 1 Wasson Fed.	310-2700
33	24N	1W	Magnolia 1 Browning	310-3180
28	24N	4W	Hickman 1 Jicarilla	240-7385

<u>S.</u>	<u>T.</u>	<u>R.</u>	<u>WELL</u>	<u>INTERVAL</u>
5	24N	5W	Skelly 3 Jicarilla "B"	2400-7090
8	24N	5W	Gulf 8 Apache	400-7045
10	24N	6W	Skelly 1 Mexico Fed. "A"	1500-6640
19	24N	7W	Standard of Texas 1 Fed. 3-19	3620-6200
22	24N	7W	Standard of Texas 1 Fed. 6-22	3560-6020
26	24N	7W	Standard of Texas 1 Fed. 4-26	410-6650
3	24N	8W	Royal Dev. 2 Paquenche	1300-7239
7	24N	9W	Standard of Texas 1-7 Huerfano Fed.	4000-5500
7	24N	9W	Standard of Texas 2-7 Huerfano Fed.	5200-5590
7	24N	9W	Standard of Texas 3 Fed. 7-7	300-5550
9	24N	9W	Gulf 1 Chaco Fed.	1000-5450
11	24N	9W	Kern County Land 1 Navajo	1500-5395
15	24N	9W	Gulf 1-X So. Huerfano Fed.	1000-5400
17	24N	9W	Southern Union Gas 1 Whitly	60-5351
22	24N	9W	Gulf 1 Largo Fed. "B"	1000-5280
1	24N	10W	Standard of Texas 1 Huerfano Fed.	5200-5594
1	24N	10W	Standard of Texas 3 Huerfano Fed.	400-5400
1	24N	10W	Standard of Texas 4 Fed. 9-1	5200-5580
2	24N	10W	Humble 1 Bisti Oil Unit 1	4030-5500
2	24N	10W	Humble 2 N. Mex. State "AZ"	1500-5480
2	24N	10W	Humble 3 N. Mex. State "AZ"	3500-5525
4	24N	10W	Amerada 1 Ye-Na-Dah-White	2400-5560
11	24N	10W	Standard of Texas 1 Fed. 11-11	4000-5510
12	24N	10W	Standard of Texas 12-1 Huerfano	410-6560
12	24N	10W	Standard of Texas 2 Fed. 19-12	2000-5595
20	24N	10W	Case 1 Case	3230-3800
3	24N	11W	Davis 1 Gov't. Fannin	0-5060
21	24N	12W	Humble 1 Tanner	310-5250
10	24N	13W	Davis 1 Gov't. Riddle	96-5450
5	24N	17W	Lawrence 1 Lawrence Navajo	0-3815
16	25N	5W	Amerada 5 Jicarilla "F"	2100-3890
18	25N	5W	Amerada 3 Jicarilla "F"	1500-3805
18	25N	5W	Amerada 4 Jicarilla "F"	1700-3650
21	25N	5W	Amerada 7 Jicarilla "F"	2000-3800
22	25N	5W	Amerada 6 Jicarilla "F"	2000-7195
26	25N	5W	Amerada 6-A Jicarilla	2000-7135
29	25N	5W	El Paso Nat. Gas 67-5 D Jicarilla	3400-7215
35	25N	5W	Pan American 1 Jicarilla 35-A	2700-7450
25	25N	6W	Kern County Land 1 Fed. McKenzie	2400-7140
25	25N	6W	Kern County Land 34-25 McKenzie	4500-7000
35	25N	8W	Benson Monting 1 Pilgrim	0-7268
24	25N	9W	Davis 1 Gov't. Mead	210-6559
27	25N	9W	Campbell 1 Reedman	1700-6528
5	25N	10W	El Paso Products 1-A Hanson	5390-5676
19	25N	10W	Sun 1 Hal-E-Wood	250-5205
30	25N	10W	Atlantic Refining 1 Francisco	340-5668
32	25N	10W	Humble A-Y 1 State	190-5410
32	25N	10W	Humble 2 N. Mex. State "AY"	1500-5580

<u>S.</u>	<u>T.</u>	<u>R.</u>	<u>WELL</u>	<u>INTERVAL</u>
34	25N	10W	Monsanto Chemical 1 Frank	210-5379
34	25N	10W	Monsanto Chemical 2 Atlas	240-5400
34	25N	10W	Petro-Atlas (El Dorado) 2-A Atlas	1100-1365
35	25N	10W	Monsanto Chemical 3 Atlas	240-5500
35	25N	10W	Petro-Atlas 1-A Atlas	1400-4670
1	25N	11W	El Paso Products 1 McKee	1300-5645
7	25N	11W	Shell 3 Carson	250-5000
14	25N	11W	Benson-Montin-Greer 1 Harvey	1330-5200
17	25N	11W	Shell 113-17 Carson	30-11145
21	25N	11W	Magnolia 1 Sadie Canuto	300-5200
24	25N	11W	Gulf 3 Carson Fed.	1000-5120
24	25N	11W	Gulf 4 Carson	1000-5180
24	25N	11W	Magnolia 1 Deet-So-Sa	300-5160
24	25N	11W	Magnolia 2 Deet-So-Sa	1300-5190
24	25N	11W	Magnolia 2 Sadie Canuto	340-5000
25	25N	11W	Sunray 2 Es-Ka-Ba-Ey	320-5175
26	25N	11W	Magnolia 1 Ken-No-To	300-5130
4	25N	12W	Amerada 2 Ka-Da-Pa	300-4960
5	25N	12W	El Paso Nat. Gas 1 Bennally	3600-5020
17	25N	13W	Murchison 1 Fed.	3800-5881
17	26N	1E	Texota Gas 1 Fed. "A"	250-5116
19	26N	2W	Magnolia 1 Featherstone	300-4100
8	26N	3W	Magnolia 3 Jicarilla "C"	320-3600
19	26N	3W	Magnolia 4 Jicarilla "B"	310-4070
26	26N	3W	Honolulu 1 Jicarilla "A"	20-8580
14	26N	6W	Caulkins M D-C Breech 244	2000-7600
7	26N	7W	El Paso Nat. Gas 92 Huerfano	1200-7010
3	26N	10W	El Paso Nat. Gas 103 Huerfano	5850-6445
17	26N	10W	El Paso Nat. Gas 104 Huerfano	5520-6740
2	26N	11W	Benson-Montin-Greer 1 Greer	5195-6352
8	26N	11W	El Paso Nat. Gas 1-A Western	5040-5354
9	26N	11W	Pan American 1 Randel	5100-6398
16	26N	11W	Monsanto Chemical 1 State "J"	270-6410
28	26N	11W	Delhi Taylor 2 Navajo	340-6140
4	26N	12W	Petro-Atlas 1-A Walker	1700-5000
29	26N	12W	El Paso Nat. Gas 2-B Sullivan	975-5859
32	26N	12W	Reece et al. 1 Hickmen	2000-4800
10	26N	14W	Pan American 1 Old Trading Post	1800-6005
18	26N	14W	Kimbell 1-18 Navajo	190-4480
2	26N	15W	Standard of Texas 1-2 Navajo	20-4830
24	26N	15W	Shell 14-24 Burnham	150-5440
11	26N	17W	Davis 1 Conoco Navajo	160-4830
25	27N	3W	Magnolia 5 Jicarilla "G"	600-4300
33	27N	6W	Caulkins 4 Breech "F"	2000-7880
8	27N	9W	Petro-Atlas 1 Aztec	2000-2700
4	27N	10W	Sunset Inter. 2-F Sipco Kutz Fed.	1500-6790

<u>S.</u>	<u>T.</u>	<u>R.</u>	<u>WELL</u>	<u>INTERVAL</u>
6	27N	10W	Sunset 2-J Fed.	1500-6410
9	27N	10W	Sunset Inter. 1-H Fed.	250-6550
13	27N	10W	Kingwood 1 Knauf	1230-6710
16	27N	10W	Sunset Inter. 1-F Sipco Kertz Fed.	1500-6460
18	27N	10W	Kingwood 1 Argo	0-6345
19	27N	10W	Frontier 2 Evensen Gov't.	1500-6509
27	27N	10W	Pan American 1 Jack Frost "B"	3800-6960
28	27N	10W	Pan American 1 McAdams "B"	2230-6590
29	27N	10W	El Paso Nat. Gas 105 Huerfano	5250-6400
33	27N	10W	El Paso Nat. Gas 106 Huerfano	6389-6580
35	27N	10W	El Paso Nat. Gas 107 Huerfano	5890-6435
15	27N	11W	British American 5 Fullerton	1500-5753
23	27N	12W	Campbell 1 Fed. Tokin	2150-6265
31	27N	12W	Gulf 1 Gallegos Fed.	320-5121
31	27N	12W	Gulf 2 Gallegos Fed.	1000-5100
8	27N	13W	Rex Uranium 1-X Douthit	1300-5490
12	27N	13W	Davis 1 McConnel	175-6174
18	27N	13W	Royal Dev. 2 Royal Rex	300-6160
19	27N	13W	Utah Southern 2 Gov't Jernigan	3740-5340
27	27N	13W	Utah South 1 Gov't. Newman	3300-5340
36	27N	13W	El Paso Products 1 Hanson	1150-5400
6	27N	14W	Davis 1 Navajo Raven	179-5723
31	27N	14W	Standard of Texas 1-P Navajo Tr.	300-4818
9	28N	36E	Skelly 1 Van Pelt.	10-4387
16	28N	10W	Jackson 1 Empire State	500-2900
31	28N	10W	Kingwood 1 Knauf "B"	3000-6420
16	28N	11W	Redfern & Herd 1 Phillips	4000-6230
16	28N	11W	Redfern & Markham 4 Redfern	1000-6281
26	28N	12W	Pan American 83 Gallegos Gas Unit	1200-6340
27	28N	12W	Sunray 1 N. Mex. Navajo	100-1675
26	28N	13W	Pan American 84 Gallegos	5110-6420
28	28N	13W	Benson-Montin-Greer 2 Fullerton	5200-6260
22	28N	14W	Gulf 2 Amarillo Navajo	370-5900
30	28N	14W	Gulf 1 Amarillo Navajo	320-5740
27	28N	17W	Sunray Mid-Continent 2 N. Mex. Navajo	110-1690
27	28N	17W	Sunray Mid-Continent 3 N. Mex. Navajo	130-1620
32	28N	18W	McMillan 2 McMillan	0-1464
17	29N	2W	Smith S-3 Jicarilla	2000-3638
21	29N	3W	DeVilliers 21-1 Jicarilla	3000-8181
24	29N	11W	Jackson 1 Valdez	800-1552
1	29N	14W	Sunray Mid-Continent 2 N. Mex. Fed. 1	340-6120
6	29N	14W	Sunray Mid-Continent 1 N. Mex. Fed. "K"	260-5680

<u>S.</u>	<u>T.</u>	<u>R.</u>	<u>WELL</u>	<u>INTERVAL</u>
11	29N	14W	Sunray Mid-Continent 1 N. Mex. Fed. "T"	350-5921
32	29N	16W	Western 1 Magnolia Navajo	5-1730
1	29N	17W	Pan American 7 Navajo "C"	70-7267
11	29N	17W	Hamrah 1 Navajo	270-7100
1	29N	19W	Continental 135 Navajo	220-7165
27	30N	11W	International 1 Forgelson	1000-7075
30	30N	11W	Roberts Mines 2 Jackson	800-6800
23	30N	12W	Monsanto Chemical 1 N.W.P. Unit	280-6570
15	30N	13W	Southern Union 1 McCord	1600-6370
19	30N	14W	Humble 1 N. Kirtland	500-5870
24	30N	14W	Elliott 1 Hagood	500-6389
10	30N	15W	Humble 2 N. Waterflow	330-4476
27	30N	15W	Monsanto Chemical 1 Hall	60-4495
28	30N	15W	Humble 1 N. Waterflow	330-4780
29	30N	15W	Sunray 1-L N. Mex. Fed.	410-4890
2	30N	16W	Monsanto Chemical 1 State "H"	0-1720
3	30N	16W	Petro-Atlas 2 Horseshoe "C"	1365-1500
4	30N	16W	Arizona Exploration 1 Horseshoe Canyon	100-2050
4	30N	16W	El Paso Products 2-B Horseshoe	120-1239
4	30N	16W	El Paso Nat. Gas 13 Horseshoe	175-1195
5	30N	16W	Petro-Atlas 2 Horseshoe "D"	800-1265
5	30N	16W	Petro-Atlas 3 Horseshoe "D"	800-1265
5	30N	16W	Petro-Atlas 5 Horseshoe "D"	975-1200
5	30N	16W	Petro-Atlas 6 Horseshoe "D"	860-1197
5	30N	16W	Petro-Atlas 7 Horseshoe "D"	900-1165
6	30N	16W	Petro-Atlas 2 Horseshoe "G"	900-1230
8	30N	16W	Petro-Atlas 8 Horseshoe "D"	900-1200
9	30N	16W	Arizona 1 Wagenseller	900-1200
16	30N	16W	Blackford 1-16 State N. Mex.	90-1350
16	30N	16W	Carter & Mandel 1 Hogback	50-1405
17	30N	16W	King 1 Navajo "K"	164-1615
19	30N	16W	Sudduth 1 Navajo	0-1470
20	30N	16W	King K-2 Navajo	500-1491
4	30N	17W	King 2 Navajo	200-610
4	30N	17W	King 1 Navajo "B"	300-543
23	30N	20W	Pure 1 Navajo Tribal "11"	250-6600
22	31N	4W	Pan American 33 Rosa	500-4500
18	31N	12W	New Drilling 1 Reid	1000-4472
19	31N	12W	Colorado Western 1-19 SU Gov't.	1000-5000
5	31N	13W	Standard of Texas 1 Fed. 12-5	105-5730
7	31N	14W	Humble 3 Ute Indian	300-2610
10	31N	14W	Pan American 1 Ute Mountain "D"	2320-9815
14	31N	14W	Standard of Texas 1 Ute Mountain	100-3695
16	31N	14W	Magnolia 1 Ute Mountain	230-2575
18	31N	14W	Pubco Dev. 18-5 Ute Mountain	1320-2610

<u>S.</u>	<u>T.</u>	<u>R.</u>	<u>WELL</u>	<u>INTERVAL</u>
18	31N	14W	Pubco Dev. 18-15 Ute Mountain	1500-2608
19	31N	14W	Pubco Dev. 4 Pubco Mountain Ute	1300-2530
19	31N	14W	Pubco Dev. 19-13 Ute Mountain	1900-3377
19	31N	14W	Pubco Dev. 19-16 Ute Mountain	1900-3190
21	31N	14W	Magnolia 2 Ute Mountain	110-2770
29	31N	14W	Standard of Texas 1 Ute Mountain Tr. 2-29	1000-3642
29	31N	14W	Standard of Texas 2-X Ute Mountain 2-29	785-3640
29	31N	14W	Standard of Texas 3 Ute Mountain 2-29	2000-4100
29	31N	14W	Standard of Texas 4 Ute 2-29	2000-3840
29	31N	14W	Standard of Texas 5 Ute Mountain 2-29	200-3480
20	31N	15W	Gulf 3 Barker Dome	160-1700
25	31N	15W	Humble 1-X Ute "B"	1400-3810
3	31N	16W	Standard of Texas 6-1 Navajo Ute	0-9030
19	31N	16W	Atlantic 1 Navajo "B"	1350-1545
19	31N	16W	Atlantic 2 Navajo "B"	1225-1434
24	31N	16W	Standard of Texas 4-1 Ute Mountain	250-1872
29	31N	16W	Atlantic 11 Navajo	1100-1338
29	31N	16W	Atlantic 12 Navajo	1090-1335
29	31N	16W	Atlantic 21 Navajo	1350-1600
29	31N	16W	Atlantic 22 Navajo	1050-1345
29	31N	16W	Atlantic 24 Navajo	1200-1415
29	31N	16W	Atlantic 25 Navajo	1100-1460
30	31N	16W	Atlantic 18 Navajo	1050-1355
30	31N	16W	Atlantic 19 Navajo	1200-1420
31	31N	16W	Atlantic 30 Navajo	1050-1315
31	31N	16W	Atlantic 28 Navajo	1050-1400
31	31N	16W	Atlantic 16 Navajo	1050-1276
31	31N	16W	Atlantic 31 Navajo	1050-1240
32	31N	16W	Atlantic 13 Navajo	1105-1285
32	31N	16W	Atlantic 14 Navajo	1100-1900
32	31N	16W	Atlantic 20 Navajo	1000-1320
33	31N	16W	Petro-Atlas 1 Ute Navajo	900-1330
33	31N	16W	Petro-Atlas 2 Ute Navajo	900-1350
3	31N	17W	Humble 10 Navajo "F"	500-1048
4	31N	17W	Humble 2 Navajo "F"	70-1120
4	31N	17W	Humble 3 Navajo "F"	100-1115
4	31N	17W	Humble 4 Navajo "F"	100-1153
4	31N	17W	Humble 5 Navajo "F"	60-1015
4	31N	17W	Navajo 7 Navajo "F"	500-1080
5	31N	17W	Bayless 2 Navajo "H"	540-1195
5	31N	17W	Honolulu 2-5 Navajo	20-1170
5	31N	17W	Honolulu 3-5 Navajo	30-1170
5	31N	17W	Honolulu 4-5 Navajo	40-1230
6	31N	17W	Bayless 3 Navajo	100-1610
9	31N	17W	Humble 6 Navajo "F"	100-1024

<u>S.</u>	<u>T.</u>	<u>R.</u>	<u>WELL</u>	<u>INTERVAL</u>
9	31N	17W	Humble 12 Navajo "F"	600-1000
9	31N	17W	Humble 13 Navajo "F"	510-875
10	31N	17W	Humble 8 Navajo "F"	500-970
10	31N	17W	Humble 9 Navajo "F"	500-924
10	31N	17W	Humble 14 Navajo "F"	560-854
10	31N	17W	Humble 17 Navajo "F"	800-1005
10	31N	17W	Humble 18 Navajo "F"	700-1020
10	31N	17W	Humble 20 Navajo "F"	800-975
10	31N	17W	Humble 21 Navajo "F"	800-975
11	31N	17W	Humble 1 Navajo "G"	850-930
11	31N	17W	Humble 2 Navajo "G"	800-900
13	31N	17W	Magnolia 6 Navajo "A"	110-1590
15	31N	17W	El Paso Products 2 Chemney Rock	130-940
23	31N	17W	El Paso Products 1 Chemney Rock	490-1800
24	31N	17W	Magnolia 1 Navajo "A"	115-1530
24	31N	17W	Magnolia 3 Navajo "A"	130-1600
24	31N	17W	Magnolia 5 Navajo "A"	115-1505
24	31N	17W	Magnolia 7 Navajo "A"	113-1580
34	31N	17W	King 2 Navajo "B"	300-666
35	31N	17W	Blockford 2 Navajo Tribal	500-960
16	32N	3E	Rhine 1 Sargent	100-3030
17	32N	12W	El Paso Nat. Gas 2 Cundiff "A"	2800-3460
18	32N	12W	Consolidated 1-18 Thather	1200-4990
25	32N	13W	Monsanto Chemical 1 Montoya Unit	190-4400
31	32N	15W	Forester 1-31 Ute Mountain	0-10010
17	32N	18W	Texaco 1 Navajo "N"	310-7850
32	32N	18W	Compass Exploration 1-32 Navajo	290-8000
20	2S	22E	Talbert 1 Andree	4400-5340
35	2S	8W	Southland Royalty 1 Augustine Test	0-1795
9	4S	27E	Leonard 1 Fed. White	1000-6674
10	6S	2E	W. E. W. Sand Mountain	0-474
21	6S	13E	Vaughan 1 Chrenshaw	10-335
11	6S	27E	Samedan 1 Chatten Ranch	200-6920
26	6S	27E	Samedan 1 Smith Ranch	300-6665
25	7S	29E	Magnolia 2 Light-Cap Land	800-6180
6	7S	31E	Central Laduc 1 Getty Fed.	500-8945
26	7S	34E	Kerr-McGee 1 Davis "3"	1800-4519
36	8S	14E	El Capaco 1 Spencer	0-2178
2	8S	27E	Sinclair 1 Chaves State "129"	10-6880
5	8S	27E	War Tex. Expl. 1 Standard St.	430-1980
17	8S	28E	Sinclair 1 State "119"	90-7022

<u>S.</u>	<u>T.</u>	<u>R.</u>	<u>WELL</u>	<u>INTERVAL</u>
8	8S	31E	Humble 2 R. R. Mountain Unit	300-1700
8	8S	34E	Murphy Dyer Drilling 1 Davis	1900-4500
9	8S	34E	Hamon 1 Beebe	420-9500
23	8S	34E	M. N. Associates 1 Luman	2100-4615
24	8S	34E	M. N. Associates 1 Weathersby	2600-4515
6	8S	35E	Texas 1 Hefflefinger	3430-11090
12	8S	35E	Texas 1 Champeau Fed.	2600-9809
8	8S	36E	Atlantic 1 Love Fed.	0-10000
25	8S	36E	Atlantic 1 Pebworth	4000-12900
20	8S	37E	Ohio 1 McGrall Fed.	0-12125
5	9S	5E	C. E. 2-A MacDonald	0-400
30	9S	27E	Allison 1 Phillips State	200-1320
20	9S	28E	Kelly 1 White Ranch	0-2424
23	9S	33E	Monterey 34-23 Ainsworth	100-10001
21	9S	35E	Markham 1 Magnolia Glenn	300-4948
30	9S	35E	Atlantic 1 & 1-X Anderson	0-10020
24	9S	37E	DeKalb Agric. 1 Ohio Fed.	4200-4958
28	9S	38E	Western 1 Fed.	380-4900
33	9S	38E	Rowan 1 Fed.	390-4930
9	10S	27E	Brunner 1 Pan American State	0-900
32	10S	27E	Warren 1 Champlin State	500-900
7	10S	29E	Zapata 1 White	300-8120
18	10S	29E	El Paso Nat. Gas 1 White	360-8670
34	10S	30E	Cosden 1 Fed. "A"	900-10765
22	10S	31E	Hall 1 State "G"	300-11753
9	10S	32E	Sohio 1 State	0-12145
10	10S	32E	Zapata 1-10 State	400-10800
19	10S	34E	Skelly 1 Blue Quail Unit	1900-13272
34	10S	36E	Gulf 1 Cryer	2100-13358
17	10S	37E	Tennessee Gas 1 State Texas "A"	0-12720
36	10S	37E	Penrose 1 November State	350-12140
5	10S	38E	Robinson Bro. 1 Union Fed.	4200-5057
15	11S	26E	War Tex Expl. 1-15 Dekalb Fed.	0-1685
23	11S	27E	Woods et al. 1 Levick State	20-1005
30	11S	27E	Eide 1 Gorman Fed.	0-760
25	11S	28E	Murphy Dyer Drilling 1 White Ranch	1690-8085
28	11S	30E	Trigg 1-28 Fed. B. T.	120-3445
16	11S	33E	McAlester Fuel & Texas Crude 1 State H. N.	1600-11600
15	11S	34E	Cameron 1 Bogle Farms	335-13162
20	11S	35E	Cities Service 1 Nelson	400-840
22	11S	36E	Tennessee Gas 1 Gulf State "A"	550-13100
24	11S	37E	Hall 1 Shell State	2000-12430
27	11S	37E	Continental 1 Webb et al.	430-13212
4	12S	27E	Holmes 1 Levick Fed.	10-895

<u>S.</u>	<u>T.</u>	<u>R.</u>	<u>WELL</u>	<u>INTERVAL</u>
4	12S	27E	Smith 1 Levick Fed.	0-782
17	12S	27E	Eide 1 Calumet	0-858
1	12S	28E	Williamson 1 White Ranch	100-8140
26	12S	28E	Sun 1 Waller	250-8300
34	12S	28E	Sohio 1 Waller	290-8269
27	12S	30E	Sohio 1 Monterey Fed.	800-12300
23	12S	31E	McAdams 1 Graham	2000-2980
19	12S	34E	Phillips 1 Signal	370-13030
27	12S	34E	Barnes 1 Humble State	1480-10388
30	12S	34E	Santiago 1-30 State	1700-13105
22	12S	37E	Monterey 1 Selman	4500-12100
23	13S	27E	Trigg 1-23 Fed.	500-2090
24	13S	27E	Trigg 2-24 Chaves Fed.	0-920
26	13S	27E	Trigg 1 Fed. Honolulu	280-2074
7	13S	29E	Dorie 1 Littlefield	100-3000
15	13S	30E	Hightower 1 Hinkle Fed.	1240-3400
33	13S	30E	Collier 1-33 Chaves Gulf	900-2752
31	13S	32E	U. S. Smelting 1-31 State "A"	450-12740
13	13S	37E	Ohio 1 Cole	2700-12730
24	13S	37E	Atlantic 1 Loweland	2200-12860
6	13S	38E	Cosden 1 Madwell	1000-12346
20	13S	38E	Lone Star Produce 1 Lowe "A"	1300-12635
20	13S	38E	Lowe 1 Schenck	2200-12530
34	13S	38E	British American 1 N. Mex. "D"	360-12555
15	14S	25E	Moss 1 Allison & Marshall	665-1335
36	14S	25E	Fren 1 Honolulu State	0-2003
22	14S	28E	Waters Williamson 1 Todhunter Fed.	45-1367
19	14S	29E	Calto 1 Honolulu State	0-2176
26	14S	29E	Steinberger 1 Honolulu State	50-1490
27	14S	29E	British American 1 Honolulu	30-10360
34	14S	31E	Gulf 1 Caprock Unit	1200-13230
23	14S	32E	Eastland Drilling 1 Phillips State	1700-3600
12	14S	34E	Pan American 1 East Saunders Unit	500-14975
3	14S	36E	Zapata & Leidtke 1 Danglade	390-15135
1	14S	37E	Texas Crude & Hancock 1 Heidel	2200-13005
24	15S	23E	Yates 1 Coontail	0-1421
23	15S	25E	Magnolia 1 Pearson	70-7600
27	15S	27E	Harris 1-27 Fed. "BA"	199-2382
9	15S	28E	Riley 1-9 State	900-2700
17	15S	28E	Kincaid & Watson 1 Bell Fed.	200-2395
29	15S	30E	Texas 1 Perry Fed.	300-12298
30	15S	30E	Texaco 1 Fed. Shell	2630-12237
5	15S	34E	Felmont 1 Etcheverry Unit	1500-14842
19	15S	36E	Donohue 1 Fed.	275-3891
29	15S	36E	Trice Products 1 Fisher	450-11855
5	15S	38E	Maguire 1 Whitehead	2000-13180

<u>S.</u>	<u>T.</u>	<u>R.</u>	<u>WELL</u>	<u>INTERVAL</u>
23	15S	2W	Sunray Mid-Continent 1 Fed. "M"	0-9765
15	16S	27E	Hanson 1-D Hitchcock Fed.	315-863
26	16S	27E	Hanson 1-A Hitchcock	0-1540
28	16S	27E	Hanson 1-B Hitchcock	0-1490
29	16S	27E	Monterey 22-29 Fed.	300-8860
13	16S	28E	Kincaid Watson 1 Gibson Fed.	535-2120
1	16S	29E	General American 1 Farmer	465-3435
8	16S	29E	Utex Exploration 1 Davis Fed. "A"	500-2710
12	16S	29E	General American 2 Brewer	190-2710
14	16S	29E	General American 1 Brewer	195-2083
15	16S	29E	Utex Exploration & Stan. Uranium 4 Danohoue	400-1910
16	16S	29E	Steen Utah Unit 2 Atkins State	800-2200
20	16S	29E	Smith 1 Hondo Fed.	400-2335
24	16S	29E	Kelly 2 Simmons	0-3470
33	16S	30E	Tennessee Gas 1 Square Lake Deep Unit	325-12420
2	16S	32E	Magnolia 1 N. Mex. "S"	13453-13509
16	16S	33E	Jefson & Bolin 1 N. Mex. State	500-4450
4	16S	35E	Cabot Carban 1 State N. Mex. "F"	1650-13403
1	16S	36E	Ashmund Hillard 1 Henderson	1500-13790
22	16S	38E	Carper Drilling 1 Carper Helbing	2900-12411
13	17S	9E	Hollom T-22 Water Well	0-310
24	17S	9E	Hollom T-8 Water Well	0-312
24	17S	9E	Hollom T-9 Water Well	0-312
25	17S	9E	Hollom T-7 Water Well	395-512
25	17S	9E	Hollom T-11 Water Well	0-311
25	17S	9E	Hollom T-21 Water Well	0-312
36	17S	9E	Hollom T-20 Water Well	0-312
14	17S	25E	Miller Bro. 1 Jackson	0-1326
15	17S	27E	Jeffers 1 Fed.	275-524
19	17S	28E	Burnham 2 Brooks Fed	1310-3303
22	17S	29E	El Paso Nat. Gas 1 Leonard State	550-10700
23	17S	29E	Texas & Pacific 1 Grayburg Deep Unit	1074-12260
1	17S	33E	Texas Gulf Products 1 State "K"	0-11300
2	17S	33E	Texas Gulf Products 1 State "L"	0-5270
18	17S	34E	Delfern 1 Lea State "C"	0-12010
14	17S	36E	Morgan et al. 1 Cities Service State	3000-4300
18	17S	36E	Co-Operative Ref. Assoc. 1 State	1750-4124
21	17S	38E	Gains 1 Lea Carter et al.	3200-5800
34	18S	25E	Yeates Bros. 1 Scout Fed.	0-2800
36	18S	25E	Gulf & Lee 1 Eddy State "AC"	900-9283
36	18S	25E	Gulf 2 Eddy State "AC"	0-1802
22	18S	26E	Pan American 1 Flint	40-9260

<u>S.</u>	<u>T.</u>	<u>R.</u>	<u>WELL</u>	<u>INTERVAL</u>
27	18S	26E	Campbell 1-A Kleeman	1300-5000
27	18S	26E	Nearburg Ingram 1 Hawkins	380-6260
33	18S	26E	Campbell 1 Cleveland	600-6100
17	18S	27E	Humble 1 Chalk Bluff Draw "C"	17-9850
31	18S	30E	Leonard 1 Parcell Fed.	1800-4494
34	18S	31E	Pan American 2 Greenwood Unit	3914-12910
25	18S	32E	McCurdy, Jr., 1 Yates Sweney	1200-6600
27	18S	32E	Shell 2 Queracho Plain	2520-14330
10	18S	33E	Carper 1 Carbin R.	2000-6942
29	18S	33E	Hudson & Hudson 2 Iverson Fed.	0-4510
30	18S	33E	Hudson & Hudson 1 Iverson Fed.	0-4612
1	18S	34E	Texaco 14 State "R-NCT/3"	1400-3900
22	18S	34E	Continental 1 Tonto Deep Unit	390-14920
28	18S	34E	Ambassador 1 State Unit	3200-4830
28	18S	34E	Gulf 1 Lea State "ID"	4630-4820
18	18S	35E	Fred Pool Drilling 1 Richardson Bass State	340-4750
21	18S	35E	Sinclair 2 State Lea "401"	300-11653
22	18S	35E	Pure 1 State Lea "F"	10100-11235
22	18S	35E	Sinclair 1 State Lea "403"	230-15000
22	18S	35E	Sinclair 2 State Lea "403"	3100-11946
27	18S	35E	Hamon 1 Texas Gulf State "A"	450-10966
27	18S	35E	Sinclair 1 State Lea "405"	3000-11710
35	18S	35E	Pure 2-35 South Vacuum Unit	1700-13919
35	18S	35E	Union of California 1-35 South Vacuum Unit	1760-11635
28	18S	36E	Texas & Pacific 1 State "W"	0-12245
3	18S	38E	Alsbroock 1 Saunders	1930-5195
4	18S	38E	McPherson 1 Isaacs	1800-5098
10	18S	38E	Bishop Canyon Uranium 1 Griffin	3000-4995
5	19S	7E	White Sands Proving Ground 14 Water Well	0-1005
36	19S	24E	Cone 1 Gorman State	0-6100
1	19S	25E	Pan American 1 Matlock	500-9400
30	19S	25E	Nearburg Ingram 1 Van Hook	100-6240
34	19S	25E	Western 1 Lakewood	0-894
15	19S	26E	McGee 1 Schenck	200-1130
9	19S	27E	Standard of Texas 1-9 Fed.	20-3196
22	19S	28E	Welch 1 Featherstone	300-2599
6	19S	29E	Nix & Curtis 1 State	360-2875
6	19S	29E	Nix & Curtis 1 Sivley	490-2712
34	19S	29E	Donnelly 1 Honolulu "A"	1000-1591
1	19S	30E	O'Neil 1 Fed. "E"	470-3339
23	19S	31E	Three State Nat. Gas 1-23 Angle Welch	2010-2789
23	19S	31E	Three State Nat. Gas 2-23 Angle Welch	2000-2431
34	19S	32E	Leonard 1 Boellner Fed.	540-3155

<u>S.</u>	<u>T.</u>	<u>R.</u>	<u>WELL</u>	<u>INTERVAL</u>
4	19S	33E	Pan American 4 Buffalo Unit	20-14891
10	19S	34E	Diamond 1 State	1700-5025
25	19S	34E	Cabot Carbon 2 Fed.	4000-5057
25	19S	34E	Cabot Carbon 3 Cabot Fed.	3200-5100
25	19S	34E	Drilling Exploration 1 Jensen Fed.	1600-3995
25	19S	34E	Forester Drilling 1 Fed.	0-5105
1	19S	35E	Lowe 1 Ohio State	320-12020
27	19S	35E	Shell 1 State "PA"	4500-5600
29	19S	35E	Cactus Drilling 1 Gulf State "A"	100-4996
31	19S	35E	Cactus Drilling 1 Aztec State	750-4790
4	19S	36E	Southern Minerals 1 State Simmons	250-5500
25	19S	37E	Texas Crude 1-25 McNeil	320-4300
26	19S	38E	Texas 1 AN Etz	2100-8570
7	19S	39E	Sameda 1 Fed.	338-5850
14	20S	14E	Zapata 1 Fed. 14	40-5040
26	20S	26E	Wills 1 Bunnell Fed.	0-2321
20	20S	28E	Spears 1 Spears	390-755
27	20S	28E	Wills 1 Wright	0-989
15	20S	29E	Ellis 1 Fed.	200-1748
36	20S	29E	Soto 1 Zachary	240-1734
31	20S	30E	Wagner 1 Jacobs Fed.	500-1818
25	20S	31E	Shell & Texas Crude 1-25 Big Eddy Unit	50-7600
30	20S	31E	Shell & Texas Crude 1-30 Big Eddy Unit	10-7356
10	20S	32E	Shell 1 Perry	20-14200
25	20S	32E	Texas 1 Richards	340-16600
4	20S	34E	Hudson & Hudson 2 Fed.	1400-3703
4	20S	34E	Pure 1 Fed. "C"	500-14985
6	20S	34E	Trigg 1-6 Fed. Lea	1200-3580
6	20S	35E	Cactus Drilling 1 Featherstone	1600-5041
12	20S	35E	Penrose 1 Leonard State	3300-4991
12	20S	35E	Penrose 2 Leonard State	3300-4105
21	20S	35E	Huffman 1 Featherstone	320-4298
28	20S	35E	Black 1 State "28"	300-4193
29	20S	36E	Wilshire 42-29 Seven River Hill Unit	125-3000
6	20S	37E	Texas 11 Phillips	4990-9815
16	20S	37E	Amerada 1 State "Q"	3870-6900
5	21S	25E	Phillips 1-7 Rivers Hill Unit	40-10663
36	21S	28E	Shell 1 Big Eddy Unit	30-14059
7	21S	34E	Southwestern 1 Phillips State	0-3748
19	21S	35E	Wilson 1 State "19"	1287-3848
22	21S	35E	British American 1 N. Mex. "C"	3400-3870
27	21S	35E	British American 1 N. Mex. "E"	300-4590
29	21S	35E	Resler & Sheldon 1 Phillips State "A"	3900-4009

<u>S.</u>	<u>T.</u>	<u>R.</u>	<u>WELL</u>	<u>INTERVAL</u>
6	22S	29E	Hudson & Hudson 1 Eddy Fed.	3105-6770
36	22S	30E	Shell 1 James Ranch Unit	3300-17334
20	22S	35E	Carper 1 Carper Aztec	3400-4461
12	22S	36E	Gulf 13 Mattern "NCT-E"	3900-9635
12	23S	23E	Humble 1 Bandana Point Unit	0-12275
26	23S	27E	Cactus Drilling 1 McRae State	290-2570
1	23S	28E	Murphy Dyer Drilling 1 Marks	1200-2885
2	23S	28E	Wills 1 Pardue	100-2730
11	23S	28E	Wills 1 Pardue	2600-2775
36	23S	31E	Miller 1 Harrison	370-4500
31	23S	33E	Kirklin 1 State	500-5236
12	23S	35E	Republic Nat. Gas 1 F Fed.	65-6510
22	24S	22E	Humble 3 Huapachi	300-8670
12	24S	26E	O'Neil, Jr., 2 Fed. "D"	380-11898
17	24S	26E	Campbell 1 Lea Fed.	0-1915
26	24S	26E	Union of California 1-26 Crawford	310-11500
28	24S	26E	Campbell 1 Estill Fed.	0-2140
1	24S	27E	Chapman & Thorn 1 State	185-2459
9	24S	27E	Union of California 1-9 Crawford "B"	690-12370
15	24S	27E	Miller 1 State Hamilton	70-2470
27	24S	27E	Tennessee Gas 1 State Kelley "B"	0-12550
34	24S	27E	Tennessee Gas 1 State Kelly "A"	0-10800
36	24S	27E	McKinley Leonard 1 Kelly State	450-2600
26	24S	28E	Wills 1 State	75-2592
27	24S	28E	Hanson Denison 1 Todhunter	270-2524
29	24S	29E	White, Jr., 1-X Ellis Fed.	0-2944
17	24S	31E	Weaver 1 Continental Fed.	40-4484
7	24S	33E	Riley 1-7 State	0-5170
22	24S	33E	Jackson 1 State	700-5500
13	24S	34E	Williams 1 Fed. Johnson	0-6450
30	25S	25E	Kelly 1 Esther Fed.	250-1407
9	25S	26E	Cree 1 Union Parker	130-2035
11	25S	26E	Cree 1 Gulf Fed.	100-2215
16	25S	27E	Sutton 1 Humble State	335-2295
35	25S	27E	Chambers & Kennedy 1 Lockwood Fed.	15-2410
14	25S	28E	Krug & Brown 1 Neda Fed.	0-3168
3	25S	29E	Bennett 1-3 Superior	40-3305
8	25S	29E	Bennett 1-8 Superior	0-2843
26	25S	29E	Bennett 1-26 Superior	310-3383
27	25S	29E	Bennett 1-27 Fed.	0-2925
5	25S	30E	Alamo 1 Superior State	3300-3690
10	25S	30E	Alamo 5-X Poker Lake Unit	540-3920
14	25S	30E	Alamo 10 Poker Lake Unit A-6	775-4108
21	25S	30E	Sweeney 4 Poker Lake State	0-3870
23	25S	30E	Alamo 9 Poker Lake Unit "AS"	3000-4070

<u>S.</u>	<u>T.</u>	<u>R.</u>	<u>WELL</u>	<u>INTERVAL</u>
27	25S	30E	Alamo 8 Poker Lake Unit	1610-3950
28	25S	31E	Alamo 7 Poker Lake Unit "A"	0-4305
18	25S	32E	Texas 1 Shaw Federal	0-8511
31	25S	32E	Smith 1 Fed.	464-4610
22	25S	35E	Sun 1 Elliott Fed.	700-5280
7	25S	36E	Trigg 1-7 Pan American Kelly	150-4055
22	25S	36E	Campbell 1 McKee Fed.	1000-3550
15	26S	24E	Harroun 1 Hayes	245-767
2	26S	26E	Kelly 1 State "EP"	20-2053
21	26S	27E	El Paso 2 Welch Unit	1886-2115
26	26S	27E	Chambers Kennedy 1 Elmer	0-2400
15	26S	28E	Sun 1 Humble State "B"	250-2525
18	26S	28E	Hanson 1 Phillips State	0-2368
21	26S	28E	Bennett 1 Humble State	0-2441
26	26S	28E	Bennett 1 Sinclair	500-2520
34	26S	28E	Chapman 1-34 State	0-2522
35	26S	28E	Chapman 1 Sinclair	0-2635
6	26S	29E	Bennett 1 Ashland Fed.	12-2800
13	26S	29E	Hankamer 1 Gulf Fed.	330-3155
22	26S	29E	Bennett 1 Ashland	0-3060
23	26S	29E	Gulf 1 Boothe Fed. "E"	2650-2950
28	26S	29E	Chapman 1 Elliott Fed.	0-2960
6	26S	30E	Bennett 1 Brunson	1000-3365
12	26S	30E	Monterey 44-12 Blayde's	0-3825
16	26S	30E	Weaver 1 Sinclair State	1000-3572
20	26S	30E	Chamber Kennedy & Richie 1 U.S.A.	3080-3515
15	26S	32E	Brown & Krug 1 Ben Fed.	320-4550
8	26S	33E	Miller 1 Fed.	420-4840
21	26S	33E	Stroud 1 Continental Fed.	25-4980
5	26S	36E	Toriador Royalty 4 Sinclair Sand Hill Unit	250-4015
16	26S	36E	Sinclair 5 Sand Hill Unit	120-11480
13	26S	37E	Champlin 1 Leonard Fed.	500-9770
7	26S	38E	Plymouth 1 Lowe Fed.	2000-11100
28	26S	38E	Hudson & Hudson 1 Sinclair Fed.	200-2792
25	32S	16W	Humble 1 State "BA"	450-14585

ARIZONA

Apache County

22	41N	28E	Franco Western 1 Navajo	1200-5900
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Cochise County

10	16S	31E	Thompson 1 State	3550-5438
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<u>S.</u>	<u>T.</u>	<u>R.</u>	<u>WELL</u>	<u>INTERVAL</u>
Coconino County				
34	25N	8W	Terry 1 State	0-1940
Mohave County				
14	39N	6W	Lyons & Poteet 1 Gov't.	10-2300
12	40N	6W	George 1 Ward Fed.	0-2202
Navajo County				
25	12N	23E	Pan American 1-B N. Mex.-Ariz. Land	10-4087
<u>COLORADO</u>				
Dolores County				
29	40N	19W	Continental 1 Webb	250-6250
11	41N	17W	Carter 1 Glade Unit	30-6255
34	41N	19W	Continental 1 Medley Scott	250-6045
Garfield County				
31	7S	104W	American Metals 2 NW Prairie Can.	370-4410
La Plata County				
27	33N	11W	Monsanto Chemical 1 Ute	210-3400
24	33N	14W	Caulkins 3 Ute	420-9460
Mesa County				
23	8S	101W	Bayless 1 Gov't.	130-1800
Montezuma County				
22	23N	19W	California 1 Ute Tribal	950-8011
15	33 $\frac{1}{2}$ N	20W	California 2 Calco-Superior	10-6055
1	35N	17W	Ramsey 1 McCabe	1500-5659
36	36N	16W	Superior 44-36 Apperson State	0-5754
9	36N	18W	Nabers 1 Rowley	210-5790

<u>S.</u>	<u>T.</u>	<u>R.</u>	<u>WELL</u>	<u>INTERVAL</u>
4	38N	19W	Reynolds Mining 1 Fed.	0-6190
31	39N	17W	National 2 West	1000-4020
Montrose County				
8	47N	18W	Continental 1 Scorup-Summerville	30-14989
San Miguel County				
2	42N	18W	Aspen Oil 4 Egnar Unit	1540-3800
<u>UTAH</u>				
Emery County				
9	19S	12E	Hancock & Utah Dev. 1 Cedar Mtn.	400-4941
24	25S	12E	Pan American 1 Brown	315-5920
22	25S	15E	Continental 2 Moonshine Wash.	130-6403
1	26S	7E	Shumway Mining 1 Parker	50-2620
26	26S	14E	Carter 3 Nequoia Wash	650-6700
Garfield County				
4	31S	12E	Tennessee Gas Trans. 1-A Poison Springs	90-6490
13	31S	13E	Standard of California 1 Mesa Burt.	20-4388
Grand County				
21	22S	19E	Menor & Aubrey 1 Gov't.	300-4910
San Juan County				
1	34S	18E	Sinclair 2 Dark Canyon	0-3400
9	34S	21E	Gulf 1 Abajo Fed.	1260-4589
16	34S	25E	Ramsey 1 State	200-5965
29	34S	26E	Reynolds Mining 1 Meyers	10-5880
32	35S	22E	Standard of California 2 Johnson Creek	40-6409
33	35S	22E	Standard of California 1 Johnson Creek	40-6493
4	35S	24E	Sinclair 1 Fed. Freidman	0-5901

<u>S.</u>	<u>T.</u>	<u>R.</u>	<u>WELL</u>	<u>INTERVAL</u>
24	37S	23E	Pan American 2 Deadman Can. Unit	500-6107
35	37S	23E	Gulf 2 Aztec-Montezuma Fed.	50-6400
20	37S	24E	Pan American 1 Deadman Can.	0-8800
22	38S	16E	Sinclair 1 Fed. So. Union	10-3885
7	38S	18E	Sinclair 1 Fed. Fehr.	150-3860
16	38S	21E	Fair 1-A Butler Wash	5696-5747
6	38S	23E	Phillips 1 Recapture Creek	650-7480
4	39S	18E	British American 1 Danvers Fed.	100-3150
13	40S	19E	Raymond 1 Fed.	30-2456
7	40S	24E	Gulf 2 West Ismay	4500-4600
18	40S	24E	Gulf 1 West Ismay	50-6026
7	41S	22E	Carter 1 Navajo 30	1000-7095
9	41S	22E	Carter 1 Navajo	60-5885
8	41S	25E	Carter 1 Navajo Tract 114	80-5680
8	41S	25E	Carter 4 Navajo 114	50-5304
17	41S	25E	Carter 7 Navajo 114	4200-5450
7	42S	22E	Shell 2 Tohonadla	3490-5425
15	42S	25E	Carter 1 Navajo 127	80-5779
18	42S	25E	Carter 1 Navajo 117	80-5900
4	43S	21E	U. S. Smelting 1-4 Ohio Navajo	2600-5180
10	43S	25E	New 1 Tribal	30-7320
33	43S	25E	Carter 1 Anido Creek	100-6810
31	43S	26E	Carter 1 Navajo Four Corners	0-6950
Wayne County				
35	27S	15E	Carter 2 Nequoia Arch	120-3000
8	29S	10E	Amerada 1 Blue Mesa	0-8174
2	29S	11E	Amerada 1 Utah State	0-2845
33	29S	12E	Tennessee Gas 1-A Gov't. Sorrel Butte	0-6587
20	29S	15E	Continental 1 Hoover Fed.	0-6890
27	30S	13E	Paradox Products 2 Fed.	153-4120
34	30S	13E	Paradox Products 1 Gov't.	155-6335

COUNTY	CANYON	INTERVAL
<u>SURFACE SAMPLES*</u>		
San Andres Mountains		
Sierra,	Rhodes Canyon	0-7250
Dona Ana, Sierra	Hembrillo Canyon	0-6546
Dona Ana	Love Ranch/Ash Canyon	0-7800

*Crushed surface samples from measured sections. Sample intervals are as follows: Rhodes Canyon, Precambrian to Dakota, (?) sandstone; Hembrillo Canyon, Precambrian to San Andres limestone; Love Ranch/Ash Canyon, Precambrian to Love Ranch formation.

