



U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **078584**
LEASE OR PERMIT TO PROSPECT _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico
 Lessor or Tract Canyon Largo Unit Field Wildcat State New Mexico
 Well No. 69 Sec. 15 T. 25N R. 6W Meridian N.M.P.M. County Rio Arriba
 Location 1650 ft. N of S Line and 1150 ft. EX of E Line of Section 15 Elevation 6565'
 (XX) (W) (Deriv. from relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed _____ Original Signed C. D. COX

Date May 4, 1959 Title Petroleum Engineer

The summary on this page is for the condition of the well at above date.

Commenced drilling March 15, 1959 Finished drilling March 26, 1959

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 2545 to 2605 (G) No. 4, from _____ to _____
 No. 2, from 3389 to 3586 (G) No. 5, from _____ to _____
 No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____
 No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
10 3/4"	32.75	P.R.	S.W.	164'	Howco				Surface
7 5/8"	26.40	S. Rd.	J-55	357'	Howco				Producing
2"	4.7	8 Rd.	J-55	3512'	Howco				Prod. tubing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	17 1/2'	75	Circulated		
7 5/8"	35 1/2'	306	Single Stage		

PLUGS AND ADAPTERS

Heaving plug—Material ----- Length ----- Depth set -----
Adapters—Material ----- Size -----

SHOOTING RECORD

[illegible]

TOOLS USED

Rotary tools were used from 178 feet to 3586 feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 178 feet, and from _____ feet to _____ feet

DATES

----- April 20 -----, 19 59 -----	Put to producing -----, 19-----
The production for the first 24 hours was -----	barrels of fluid of which -----% was oil; -----%
emulsion; -----% water; and -----% sediment.	Gravity, °Bé. -----
If gas well, cu. ft. per 24 hours 2,238,000 -----	Gallons gasoline per 1,000 cu. ft. of gas -----
Rock pressure, lbs. per sq. in. ----- 877 -----	A.O.F.--2681 MCF/D

EMPLOYEES

_____, Driller

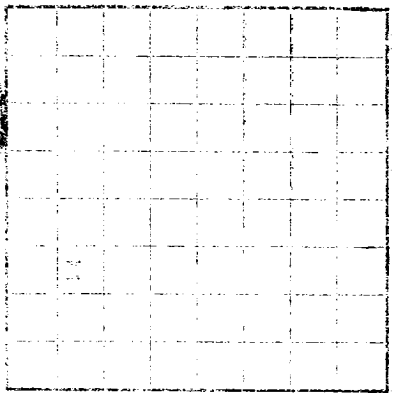
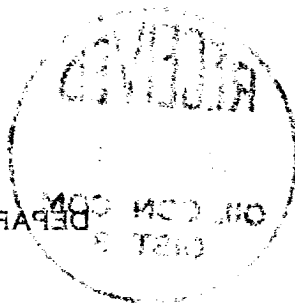
_____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1911	1911	Tan to gry cr-grn ss interbedded w/gry sh.
1911	2116	205	Ojo Alamo ss. White cr-grn s.
2116	2393	277	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2393	2545	152	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
2545	2605	60	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
2605	3389	784	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
3389	3586	197	Chacra form. Gry fn grn silty, glauconitic ss stone with drk gry shale.

LOG OF OIL OR GAS WELL

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



Form 2-233

Revised 1917

Company, Standard Oil Company, Address, Indianapolis, Ind.
Name of Well, Standard Oil, State, Indiana
Location, 1/2 Sec. 16, T. 2 N., R. 2 E., Co. 1 W., Ind.
The information given on this page is for the purpose of locating the well and is not to be used for any other purpose.
Signed, W. A. R. Smith, Date, April 1, 1917
The information on this page is for the purpose of locating the well and is not to be used for any other purpose.
Comment on drilling, Standard Oil

OIL OR GAS RAINING OR BOWING

No. 1, from 25 ft. to 30 ft., 20 ft. from 30 ft. to 35 ft.,
No. 2, from 35 ft. to 40 ft., 20 ft. from 40 ft. to 45 ft.,
No. 3, from 45 ft. to 50 ft., 20 ft. from 50 ft. to 55 ft.,
on beds before trace. Water contained 25 gal. oil.
In one set for 8 ft. 200 gallons M.C.V.
B.D.S. 1500, tr. 1700-2000, injected 20 gal.
v/7000 gallons water. I.K. of S.P.M. Max. 2100,
Dressed w/30,000 gallons water & 35,000 gal. sand. Finished
Total Depth 3500. G.O.P. 3500.
Total Depth 3500. G.O.P. 3500.

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If any or bridges were put in the test for water, state kind of material used, position, and results of pumping or drilling.

HISTORY OF OIL OR GAS WELL

FROM	TO	TOTAL FEET	FORMATION
0	25	25	Shale
25	30	55	Shale
30	35	85	Shale
35	40	125	Shale
40	45	165	Shale
45	50	205	Shale
50	55	245	Shale
55	60	285	Shale
60	65	325	Shale
65	70	365	Shale
70	75	405	Shale
75	80	445	Shale
80	85	485	Shale
85	90	525	Shale
90	95	565	Shale
95	100	605	Shale
100	105	645	Shale
105	110	685	Shale
110	115	725	Shale
115	120	765	Shale
120	125	805	Shale
125	130	845	Shale
130	135	885	Shale
135	140	925	Shale
140	145	965	Shale
145	150	1005	Shale
150	155	1045	Shale
155	160	1085	Shale
160	165	1125	Shale
165	170	1165	Shale
170	175	1205	Shale
175	180	1245	Shale
180	185	1285	Shale
185	190	1325	Shale
190	195	1365	Shale
195	200	1405	Shale
200	205	1445	Shale
205	210	1485	Shale
210	215	1525	Shale
215	220	1565	Shale
220	225	1605	Shale
225	230	1645	Shale
230	235	1685	Shale
235	240	1725	Shale
240	245	1765	Shale
245	250	1805	Shale
250	255	1845	Shale
255	260	1885	Shale
260	265	1925	Shale
265	270	1965	Shale
270	275	2005	Shale
275	280	2045	Shale
280	285	2085	Shale
285	290	2125	Shale
290	295	2165	Shale
295	300	2205	Shale
300	305	2245	Shale
305	310	2285	Shale
310	315	2325	Shale
315	320	2365	Shale
320	325	2405	Shale
325	330	2445	Shale
330	335	2485	Shale
335	340	2525	Shale
340	345	2565	Shale
345	350	2605	Shale
350	355	2645	Shale
355	360	2685	Shale
360	365	2725	Shale
365	370	2765	Shale
370	375	2805	Shale
375	380	2845	Shale
380	385	2885	Shale
385	390	2925	Shale
390	395	2965	Shale
395	400	3005	Shale
400	405	3045	Shale
405	410	3085	Shale
410	415	3125	Shale
415	420	3165	Shale
420	425	3205	Shale
425	430	3245	Shale
430	435	3285	Shale
435	440	3325	Shale
440	445	3365	Shale
445	450	3405	Shale
450	455	3445	Shale
455	460	3485	Shale
460	465	3525	Shale
465	470	3565	Shale
470	475	3605	Shale
475	480	3645	Shale
480	485	3685	Shale
485	490	3725	Shale
490	495	3765	Shale
495	500	3805	Shale
500	505	3845	Shale
505	510	3885	Shale
510	515	3925	Shale
515	520	3965	Shale
520	525	4005	Shale
525	530	4045	Shale
530	535	4085	Shale
535	540	4125	Shale
540	545	4165	Shale
545	550	4205	Shale
550	555	4245	Shale
555	560	4285	Shale
560	565	4325	Shale
565	570	4365	Shale
570	575	4405	Shale
575	580	4445	Shale
580	585	4485	Shale
585	590	4525	Shale
590	595	4565	Shale
595	600	4605	Shale
600	605	4645	Shale
605	610	4685	Shale
610	615	4725	Shale
615	620	4765	Shale
620	625	4805	Shale
625	630	4845	Shale
630	635	4885	Shale
635	640	4925	Shale
640	645	4965	Shale
645	650	5005	Shale
650	655	5045	Shale
655	660	5085	Shale
660	665	5125	Shale
665	670	5165	Shale
670	675	5205	Shale
675	680	5245	Shale
680	685	5285	Shale
685	690	5325	Shale
690	695	5365	Shale
695	700	5405	Shale
700	705	5445	Shale
705	710	5485	Shale
710	715	5525	Shale
715	720	5565	Shale
720	725	5605	Shale
725	730	5645	Shale
730	735	5685	Shale
735	740	5725	Shale
740	745	5765	Shale
745	750	5805	Shale
750	755	5845	Shale
755	760	5885	Shale
760	765	5925	Shale
765	770	5965	Shale
770	775	6005	Shale
775	780	6045	Shale
780	785	6085	Shale
785	790	6125	Shale
790	795	6165	Shale
795	800	6205	Shale
800	805	6245	Shale
805	810	6285	Shale
810	815	6325	Shale
815	820	6365	Shale
820	825	6405	Shale
825	830	6445	Shale
830	835	6485	Shale
835	840	6525	Shale
840	845	6565	Shale
845	850	6605	Shale
850	855	6645	Shale
855	860	6685	Shale
860	865	6725	Shale
865	870	6765	Shale
870	875	6805	Shale
875	880	6845	Shale
880	885	6885	Shale
885	890	6925	Shale
890	895	6965	Shale
895	900	7005	Shale
900	905	7045	Shale
905	910	7085	Shale
910	915	7125	Shale
915	920	7165	Shale
920	925	7205	Shale
925	930	7245	Shale
930	935	7285	Shale
935	940	7325	Shale
940	945	7365	Shale
945	950	7405	Shale
950	955	7445	Shale
955	960	7485	Shale
960	965	7525	Shale
965	970	7565	Shale
970	975	7605	Shale
975	980	7645	Shale
980	985	7685	Shale
985	990	7725	Shale
990	995	7765	Shale
995	1000	7805	Shale