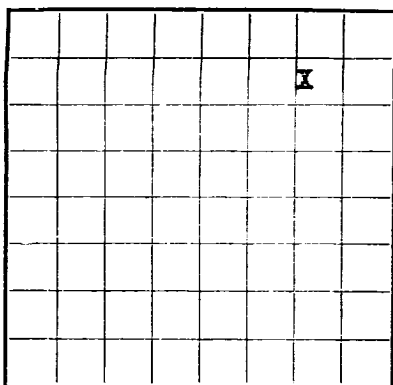




LOCATE WELL CORRECTLY

U. S. LAND OFFICE New Mexico
SERIAL NUMBER 03949
LEASE OR PERMIT TO PROSPECTUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Co. Address Box 997, Farmington
Lessor or Tract Florence # 1-C Field Blanco State N. MEXICO
Well No. 1-C Sec. 19 T. 28N R. 8W Meridian N. M. P. M. County San Juan
Location 990 ft. S. of N. Line and 990 ft. W. of E. Line of Section 19 Elevation 5812
(Derrick floor 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 E. J. CorlDate February 24, 1953Title Petroleum Engineer

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

Commenced drilling November 19, 1952 Finished drilling December 9, 1952

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2147 to 2188 (G) No. 4, from 4404 to 4540 (G)
No. 2, from 3775 to 3892 (G) No. 5, from _____ to _____
No. 3, from 3892 to 4404 (G) 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—	
<u>9 5/8 25.4</u>		<u>8</u>	<u>S. W.</u>	<u>161'</u>	<u>HOWCO</u>				<u>Surface</u>
<u>7" 12.8</u>		<u>8</u>	<u>Young</u>	<u>3730'</u>	<u>HOWCO</u>				<u>Production</u>
<u>2" 4.7</u>		<u>8</u>	<u>Young</u>	<u>4582'</u>					<u>Prod. Tubg.</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>9 5/8 175</u>		<u>125</u>	<u>Circulated</u>		
<u>7" 3740</u>		<u>300</u>	<u>Sing. Stage</u>		

PLUGS AND ADAPTERS

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

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
<u>Quart</u>	<u>Regular</u>	<u>S. N. G.</u>	<u>1650</u>	<u>12-10-52</u>	<u>3804-4582</u>	<u>4582</u>

TOOLS USED

Rotary tools were used from 0 feet to 3740 feet, and from 3740 feet to 4582 feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 1952 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 1630 MCF/D. Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 1077 psi

EMPLOYEES

_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>407</u>	<u>407</u>	<u>Tan cr-grn ss w/thin sh breaks.</u>
<u>407</u>	<u>710</u>	<u>303</u>	<u>Variegated sh w/thin ss breaks.</u>
<u>710</u>	<u>1152</u>	<u>442</u>	<u>Tan to gry cr-grn ss interbedded w/gry sh.</u>
<u>1152</u>	<u>1280</u>	<u>128</u>	<u>Ojo Alamo ss. Wh cr-grn s. Top Ojo Alamo 1152.</u>
<u>1280</u>	<u>1937</u>	<u>657</u>	<u>Kirtland formation. Gry sh interbedded w/tight gry fine-grn ss. Top Kirtland 1280.</u>
<u>1937</u>	<u>2147</u>	<u>210</u>	<u>Fruitland formation. Gry carb sh, scattered coals and gry, tight, fine-grn ss. Top Fruitland formation 1937.</u>
<u>2147</u>	<u>2188</u>	<u>41</u>	<u>Pictured Cliffs formation. Gry, fine-grn, tight, varicolored soft ss. Top Pictured Cliffs 2147.</u>
<u>2188</u>	<u>3775</u>	<u>1587</u>	<u>Lewis formation. Gry to wh dense sh w/silty to shaly ss breaks. Top Lewis 2188.</u>
<u>3775</u>	<u>3892</u>	<u>117</u>	<u>Cliff House ss. Gry, fine-grn, dense sil ss. Top of Cliff House 3775.</u>
<u>3892</u>	<u>4404</u>	<u>512</u>	<u>Manefee formation. Gry, fine-grn s, carb sh and coal. Top Manefee 3892.</u>
<u>4404</u>	<u>4540</u>	<u>136</u>	<u>Point Lookout formation. Gry, very fine sil ss w/frequent sh breaks. Top Point Lookout 4404.</u>
<u>4540</u>	<u>4582 T.D.</u>	<u>42</u>	<u>Mancos formation. Gry carb sh. Top Mancos 4540.</u>

CLASS OF PERMIT TO PROSPECT
SERIAL NUMBER 03549
U. S. LAND OFFICE New Mexico

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

A blank sheet of graph paper with a grid pattern. The grid consists of 10 columns and 8 rows of squares. There are no markings or text on the page.

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 _____

Location _____ of _____ line and _____ of _____
Well No. _____ Sec. _____ T. _____ S. _____
_____ Meridian _____
_____ County _____
_____ State _____
_____ Field _____
_____ Address _____
_____ Company _____

Commenced drilling November 10, 1952 Finished drilling December 9, 1952

(Denote gas by G)

OIL OR GAS SANDS OR ZONES

(Denoite das py G)

No. 1. from 444 to 445 (1)

No. 2. from 445 to 446 (1)

No. 3. from 446 to 447 (1)

No. 4. from 447 to 448 (1)

No. 5. from 448 to 449 (1)

No. 6. from 449 to 450 (1)

IMPORTANT WATER SANDS

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

CASING RECORD

Size casted	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	From	Perforated	Purpose
12	12.5	6		100					

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of re-filling, 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 logs or bridges were put in the well for water or state kind of material used, position, and results of pumping. Do not forget to state the name of the person or persons who drilled the well.

HISTORY OF OIL OR GAS WELL

MIDDLETOWN AND CEMENTING RECORD

Slip No.	Where set	Number sacks of cement	Method used	Mud gravity	Amount to mud used
1	100	100	100	100	100
2	100	100	100	100	100
3	100	100	100	100	100
4	100	100	100	100	100
5	100	100	100	100	100
6	100	100	100	100	100
7	100	100	100	100	100
8	100	100	100	100	100
9	100	100	100	100	100
10	100	100	100	100	100
11	100	100	100	100	100
12	100	100	100	100	100
13	100	100	100	100	100
14	100	100	100	100	100
15	100	100	100	100	100
16	100	100	100	100	100
17	100	100	100	100	100
18	100	100	100	100	100
19	100	100	100	100	100
20	100	100	100	100	100
21	100	100	100	100	100
22	100	100	100	100	100
23	100	100	100	100	100
24	100	100	100	100	100
25	100	100	100	100	100
26	100	100	100	100	100
27	100	100	100	100	100
28	100	100	100	100	100
29	100	100	100	100	100
30	100	100	100	100	100
31	100	100	100	100	100
32	100	100	100	100	100
33	100	100	100	100	100
34	100	100	100	100	100
35	100	100	100	100	100
36	100	100	100	100	100
37	100	100	100	100	100
38	100	100	100	100	100
39	100	100	100	100	100
40	100	100	100	100	100
41	100	100	100	100	100
42	100	100	100	100	100
43	100	100	100	100	100
44	100	100	100	100	100
45	100	100	100	100	100
46	100	100	100	100	100
47	100	100	100	100	100
48	100	100	100	100	100
49	100	100	100	100	100
50	100	100	100	100	100
51	100	100	100	100	100
52	100	100	100	100	100
53	100	100	100	100	100
54	100	100	100	100	100
55	100	100	100	100	100
56	100	100	100	100	100
57	100	100	100	100	100
58	100	100	100	100	100
59	100	100	100	100	100
60	100	100	100	100	100
61	100	100	100	100	100
62	100	100	100	100	100
63	100	100	100	100	100
64	100	100	100	100	100
65	100	100	100	100	100
66	100	100	100	100	100
67	100	100	100	100	100
68	100	100	100	100	100
69	100	100	100	100	100
70	100	100	100	100	100
71	100	100	100	100	100
72	100	100	100	100	100
73	100	100	100	100	100
74	100	100	100	100	100
75	100	100	100	100	100
76	100	100	100	100	100
77	100	100	100	100	100
78	100	100	100	100	100
79	100	100	100	100	100
80	100	100	100	100	100
81	100	100	100	100	100
82	100	100	100	100	100
83	100	100	100	100	100
84	100	100	100	100	100
85	100	100	100	100	100
86	100	100	100	100	100
87	100	100	100	100	100
88	100	100	100	100	100
89	100	100	100	100	100
90	100	100	100	100	100
91	100	100	100	100	100
92	100	100	100	100	100
93	100	100	100	100	100
94	100	100	100	100	100
95	100	100	100	100	100
96	100	100	100	100	100
97	100	100	100	100	100
98	100	100	100	100	100
99	100	100	100	100	100
100	100	100	100	100	100

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
3 in.	SWD		120	12-10-24	100-120	450

TOOLS USED

Rotary tools were used from	feet to	feet and from	feet to	feet
Cable tools were used from	feet to	feet and from	feet to	feet

DATES

It gas well, can be per 24 hours Gallons gasoline per 1,000 cu. ft. of gas	emulsion: _____ % water; and _____ % segment.
Gravity, °Bé. _____	The production for the first 24 hours was _____
_____ barrels of fluid of which _____ % was oil; _____ %	_____
Put to producing _____, 19____	_____

EMPLOYEES

Yellow		Yellow			
Yellow		Yellow			

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0	107	47	Top of - gneiss at 107 ft. sh. brown.
107	110	3	Interbedded sh. & ls. in sh. brown.
110	115	5	Thin to med. ls. in sh. brown.
115	120	5	Thin to med. ls. in sh. brown.
120	125	5	Thin to med. ls. in sh. brown.
125	130	5	Thin to med. ls. in sh. brown.
130	135	5	Thin to med. ls. in sh. brown.
135	140	5	Thin to med. ls. in sh. brown.
140	145	5	Thin to med. ls. in sh. brown.
145	150	5	Thin to med. ls. in sh. brown.
150	155	5	Thin to med. ls. in sh. brown.
155	160	5	Thin to med. ls. in sh. brown.
160	165	5	Thin to med. ls. in sh. brown.
165	170	5	Thin to med. ls. in sh. brown.
170	175	5	Thin to med. ls. in sh. brown.
175	180	5	Thin to med. ls. in sh. brown.
180	185	5	Thin to med. ls. in sh. brown.
185	190	5	Thin to med. ls. in sh. brown.
190	195	5	Thin to med. ls. in sh. brown.
195	200	5	Thin to med. ls. in sh. brown.
200	205	5	Thin to med. ls. in sh. brown.
205	210	5	Thin to med. ls. in sh. brown.
210	215	5	Thin to med. ls. in sh. brown.
215	220	5	Thin to med. ls. in sh. brown.
220	225	5	Thin to med. ls. in sh. brown.
225	230	5	Thin to med. ls. in sh. brown.
230	235	5	Thin to med. ls. in sh. brown.
235	240	5	Thin to med. ls. in sh. brown.
240	245	5	Thin to med. ls. in sh. brown.
245	250	5	Thin to med. ls. in sh. brown.
250	255	5	Thin to med. ls. in sh. brown.
255	260	5	Thin to med. ls. in sh. brown.
260	265	5	Thin to med. ls. in sh. brown.
265	270	5	Thin to med. ls. in sh. brown.
270	275	5	Thin to med. ls. in sh. brown.
275	280	5	Thin to med. ls. in sh. brown.
280	285	5	Thin to med. ls. in sh. brown.
285	290	5	Thin to med. ls. in sh. brown.
290	295	5	Thin to med. ls. in sh. brown.
295	300	5	Thin to med. ls. in sh. brown.
300	305	5	Thin to med. ls. in sh. brown.
305	310	5	Thin to med. ls. in sh. brown.
310	315	5	Thin to med. ls. in sh. brown.
315	320	5	Thin to med. ls. in sh. brown.
320	325	5	Thin to med. ls. in sh. brown.
325	330	5	Thin to med. ls. in sh. brown.
330	335	5	Thin to med. ls. in sh. brown.
335	340	5	Thin to med. ls. in sh. brown.
340	345	5	Thin to med. ls. in sh. brown.
345	350	5	Thin to med. ls. in sh. brown.
350	355	5	Thin to med. ls. in sh. brown.
355	360	5	Thin to med. ls. in sh. brown.
360	365	5	Thin to med. ls. in sh. brown.
365	370	5	Thin to med. ls. in sh. brown.
370	375	5	Thin to med. ls. in sh. brown.
375	380	5	Thin to med. ls. in sh. brown.
380	385	5	Thin to med. ls. in sh. brown.
385	390	5	Thin to med. ls. in sh. brown.
390	395	5	Thin to med. ls. in sh. brown.
395	400	5	Thin to med. ls. in sh. brown.
400	405	5	Thin to med. ls. in sh. brown.
405	410	5	Thin to med. ls. in sh. brown.
410	415	5	Thin to med. ls. in sh. brown.
415	420	5	Thin to med. ls. in sh. brown.
420	425	5	Thin to med. ls. in sh. brown.
425	430	5	Thin to med. ls. in sh. brown.
430	435	5	Thin to med. ls. in sh. brown.
435	440	5	Thin to med. ls. in sh. brown.
440	445	5	Thin to med. ls. in sh. brown.
445	450	5	Thin to med. ls. in sh. brown.
450	455	5	Thin to med. ls. in sh. brown.
455	460	5	Thin to med. ls. in sh. brown.
460	465	5	Thin to med. ls. in sh. brown.
465	470	5	Thin to med. ls. in sh. brown.
470	475	5	Thin to med. ls. in sh. brown.
475	480	5	Thin to med. ls. in sh. brown.
480	485	5	Thin to med. ls. in sh. brown.
485	490	5	Thin to med. ls. in sh. brown.
490	495	5	Thin to med. ls. in sh. brown.
495	500	5	Thin to med. ls. in sh. brown.

FORMATION RECORD—Continued

FORMATION

OVER:

TOTAL FEET

—OL

—WOLF