

9-330

U. S. LAND OFFICE New Mexico

SERIAL NUMBER 02151

LEASE OR PERMIT TO PROSPECT

14-08-001-538

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 Whitley Field Blanco State New Mexico
Well No. 2-B Sec. 33 T. 30NR. 7W Meridian N. M. P. M. County Rio Arriba
Location 1650 ft. S. of N. Line and 1180 ft. W. of E. Line of Section 33 Elevation 6319
(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 J. Schuler

Date November 5, 1953

Title Petroleum Engineer.

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

Commenced drilling 9-9-53, 19... Finished drilling 9-26-53, 19...

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3173 to 3270 (G) No. 4, from 5361 to 5499 (G)
No. 2, from 4875 to 5032 (G) No. 5, from _____ to _____
No. 3, from 5032 to 5361 (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—	
9-5/8	36#	8 RD	Spang	163	Howco				Surface
7	23	8 RD	Spang	200	Howco				Prod. Log.
7	16	8 RD	Spang	216	Howco				Prod. Log.
2	4.7	8 RD	Youngst.	5450					Prod. Log.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8	175'	125	Circulated		
7	4825'	500	Single Stage		

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
QUART	REGULAR	S.N.G.	1660	9-27-53	4939-5499	5499

TOOLS USED

Rotary tools were used from 0 feet to 4825 feet, and from 4825 Gas Drilling feet to 5499 feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

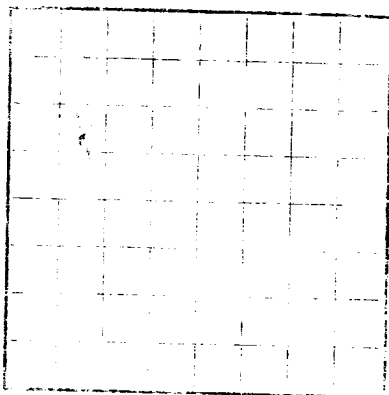
Put to producing _____, 19...
The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____%
emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____
If gas well, cu. ft. per 24 hours 2,530,000 Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. 1008

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION	
0	252	252	Tan cr-grn ss w/thin sh breaks.	
252	1063	811	Variegated sh w/thin ss breaks.	
1063	2205	1142	Tan to gry cr-grn ss interbedded w/gry sh.	
2205	2312	107	Ojo Alamo ss. White cr-grn s.	
2312	2926	614	Kirtland formation. Gry sh interbedded w/tight gry fine-grn ss.	
2926	3173	247	Fruitland formation. Gry carb sh, scattered coals coals and gry, tight, fine-grn ss.	
3173	3270	97	Pictured Cliffs formation. Gry, fine-grn, tight, varicolored soft ss.	
3270	4875	1605	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.	
4875	5032	157	Cliff House ss. Gry, fine-grn, dense sil ss.	
5032	5361	329	Menefee formation. Gry, fine-grn s, carb sh and coal.	
5361	5499	138	Point Lookout formation. Gry, very fine sil ss w/frequent sh breaks.	
			Mancos formation. Gry carb sh.	
			Tops	
Ojo Alamo	2205		Cliff House	4875
Kirtland	2312		Menefee	5032
Fruitland	2926		Pt. Lkout	5361
Pict.Cliffs	3173			
Lewis	3270			



LOC OF OIL OF GAS WELLS

UNITED STATES
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GEOLOGICAL SURVEY

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

Signed _____

Production Engineer

Field Engineer

Person of Title _____

Company _____

The sum paid on this page is for the condition of the well at completion of

(Continued drilling) _____

Date of completion _____

Title _____

NO OIL OR GAS SANDS OR SOLIDS

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

REPORTING WATER SALES

No. 8 from		No. 9 from	
No. 7 from		No. 6 from	

CAUTION: RECORD

[illegible]

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 plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

HISTORY OF OIL OR GAS WELL

NUDDING AND CEMENTING RECORD

Case No.	How old	Number cases of same	Method used	Kind of injury	Amount of loss
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9
10	10	10	10	10	10
11	11	11	11	11	11
12	12	12	12	12	12
13	13	13	13	13	13
14	14	14	14	14	14
15	15	15	15	15	15
16	16	16	16	16	16
17	17	17	17	17	17
18	18	18	18	18	18
19	19	19	19	19	19
20	20	20	20	20	20
21	21	21	21	21	21
22	22	22	22	22	22
23	23	23	23	23	23
24	24	24	24	24	24
25	25	25	25	25	25
26	26	26	26	26	26
27	27	27	27	27	27
28	28	28	28	28	28
29	29	29	29	29	29
30	30	30	30	30	30
31	31	31	31	31	31
32	32	32	32	32	32
33	33	33	33	33	33
34	34	34	34	34	34
35	35	35	35	35	35
36	36	36	36	36	36
37	37	37	37	37	37
38	38	38	38	38	38
39	39	39	39	39	39
40	40	40	40	40	40
41	41	41	41	41	41
42	42	42	42	42	42
43	43	43	43	43	43
44	44	44	44	44	44
45	45	45	45	45	45
46	46	46	46	46	46
47	47	47	47	47	47
48	48	48	48	48	48
49	49	49	49	49	49
50	50	50	50	50	50
51	51	51	51	51	51
52	52	52	52	52	52
53	53	53	53	53	53
54	54	54	54	54	54
55	55	55	55	55	55
56	56	56	56	56	56
57	57	57	57	57	57
58	58	58	58	58	58
59	59	59	59	59	59
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61	61	61	61	61	61
62	62	62	62	62	62
63	63	63	63	63	63
64	64	64	64	64	64
65	65	65	65	65	65
66	66	66	66	66	66
67	67	67	67	67	67
68	68	68	68	68	68
69	69	69	69	69	69
70	70	70	70	70	70
71	71	71	71	71	71
72	72	72	72	72	72
73	73	73	73	73	73
74	74	74	74	74	74

PLUGS AND ADAPTORS

	Material	Weight	Length	Depth
Hearing plug—	Zinc	0.001	0.001	0.001
Headset—	Zinc	0.001	0.001	0.001

SHOOTING RECORD

No.	Ship Name	Quantity	Date	Remarks
1	...	...	...	...
2	...	...	...	...
3	...	...	...	...
4	...	...	...	...
5	...	...	...	...
6	...	...	...	...
7	...	...	...	...
8	...	...	...	...
9	...	...	...	...
10	...	...	...	...
11	...	...	...	...
12	...	...	...	...
13	...	...	...	...
14	...	...	...	...
15	...	...	...	...
16	...	...	...	...
17	...	...	...	...
18	...	...	...	...
19	...	...	...	...
20	...	...	...	...
21	...	...	...	...
22	...	...	...	...
23	...	...	...	...
24	...	...	...	...
25	...	...	...	...
26	...	...	...	...
27	...	...	...	...
28	...	...	...	...
29	...	...	...	...
30	...	...	...	...
31	...	...	...	...
32	...	...	...	...
33	...	...	...	...
34	...	...	...	...
35	...	...	...	...
36	...	...	...	...
37	...	...	...	...
38	...	...	...	...
39	...	...	...	...
40	...	...	...	...
41	...	...	...	...
42	...	...	...	...
43	...	...	...	...
44	...	...	...	...
45	...	...	...	...
46	...	...	...	...
47	...	...	...	...
48	...	...	...	...
49	...	...	...	...
50	...	...	...	...
51	...	...	...	...
52	...	...	...	...
53	...	...	...	...
54	...	...	...	...
55	...	...	...	...
56	...	...	...	...
57	...	...	...	...
58	...	...	...	...
59	...	...	...	...
60	...	...	...	...
61	...	...	...	...
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64	...	...	...	...
65	...	...	...	...
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69	...	...	...	...
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74	...	...	...	...
75	...	...	...	...
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77	...	...	...	...
78	...	...	...	...
79	...	...	...	...
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82	...	...	...	...
83	...	...	...	...
84	...	...	...	...
85	...	...	...	...
86	...	...	...	...
87	...	...	...	...
88	...	...	...	...
89	...	...	...	...
90	...	...	...	...
91	...	...	...	...
92	...	...	...	...
93	...	...	...	...
94	...	...	...	...
95	...	...	...	...
96	...	...	...	...
97	...	...	...	...
98	...	...	...	...
99	...	...	...	...
100	...	...	...	...

FOOTED | USED

1. The first step in the process of the investigation is to identify the problem.	2. The second step is to gather information about the problem.	3. The third step is to analyze the information and identify the causes of the problem.	4. The fourth step is to develop a plan of action to solve the problem.	5. The fifth step is to implement the plan and monitor the results.
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SECRET

[illegible]

EMPLOYEES

107C		108D	
109C		110E	

FORMATION RECORD

[illegible]