

U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **080670**
LEASE OR PERMIT TO PROSPECT **14-08-001-1054**

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, N.M.
Lessor or Tract San Juan 27-4 Unit Field Wildcat State New Mexico
Well No. 4 Sec. 31 T. 27N R. 4W Meridian N. M. P. M. County Rio Arriba
Location 822 ft. N of N Line and 1090 ft. W of E Line of Section 31 Elevation 6883
(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

Date December 18, 1953

Title Petroleum Engineer

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

Commenced drilling 10-20-53, 1953 Finished drilling 11-13-53, 1953

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3683 to 3774 (G) No. 4, from 5847 to 5960 (G)
No. 2, from 5362 to 5494 (G) No. 5, from to
No. 3, from 5494 to 5847 (G) No. 6, from to

IMPORTANT WATER SANDS

No. 1, from _____ to _____

No. 2, from _____ to _____

No. 3, 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	25.4#	S. W.	Armco	161	Armco				Surface
7	23#	8 Rd.	Spring	1997	Baker				Prod. Casing
7	20#	8 Rd.	Spring	2278	Baker				Prod. Casing
2"	4.7#	8 Rd.	Young	2555	Oil	CVE MEET			Prod. Thg.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8	172'	125	Circulated		
7	5285'	500	Sing. 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.	1715	11-14-53	5350-5960	5960

TOOLS USED

Rotary tools were used from 0 feet to 5285 feet, and from 5285 feet to 5960 feet.

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.

DATES

November 16, 1953, 19 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. -----

Gravity, °Bé.

If gas well, cu. ft. per 24 hours 657 MCF/D Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 585-----

EMPLOYEES

_____, Driller

_____, Driller

FORMATION RECORD

FROM--	TO--	TOTAL FEET	FORMATION
0	1282	1282	Tan cr-grn ss w/thin sh breaks.
1282	2197	915	Variegated sh w/thin ss breaks.
2197	3107	910	Tan to gry cr-grn ss interbedded w/gry sh.
3107	3306	199	Ojo Alamo ss. White cr-grn s.
3306	3451	145	Kirtland formation. Gry sh interbedded w/tight gry fine-grn ss.
3451	3683	232	Fruitland formation. Gry carb sh, scattered coals coals and gry, tight, fine-grn ss.
3683	3774	91	Pictured Cliffs formation. Gry, fine-grn, tight, varicolored soft ss.
3774	5362	1588	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
5362	5494	132	Cliff House ss. Gry, fine-grn, dense sil ss.
5494	5847	353	Menefee formation. Gry, fine-grn s, carb sh and coal.
5847	5960	113	Point Lookout formation. Gry, very fine sil ss w/thin sh breaks.
			Point Lookout formation. Gry carb sh.
Tops			
Ojo Alamo	3107	Lewis	3774
Kirtland	3306	Cl. House	5362
Fruitland	3451	Menefee	5494
Pict. Cl.	3683	Pt. Lookout	5847

A blank grid for drawing a diagram, consisting of a 10x10 square area with a grid of lines.

FOR ATE WELL CORRECTLY

The summary on this page is for the condition of the well as observed on 01/01/2011. The well is being drilled by 01/01/2011.

BTCLAS NO ECHAS 240 NO JND

01 01 2000 01-01-01

[illegible]

ANNALS OF THE ENTOMOLOGICAL SOCIETY OF AMERICA

.....of.....	at 9.3.07	with 1.07
.....of.....	at 9.3.07	with 6.2

REPORT DATE

[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 "sideracked" 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 dings or bridges were put in to test for water, state kind of material used, position, and results of pumping or pulling.

HISTORY OF OIL OR GAS WELL

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

MAILING AND CEMENTING RECORD

Item	Quantity	Unit Price	Total Price	Remarks
1. 1000	1000	1000	1000	
2. 1000	1000	1000	1000	
3. 1000	1000	1000	1000	
4. 1000	1000	1000	1000	
5. 1000	1000	1000	1000	
6. 1000	1000	1000	1000	
7. 1000	1000	1000	1000	
8. 1000	1000	1000	1000	
9. 1000	1000	1000	1000	
10. 1000	1000	1000	1000	
11. 1000	1000	1000	1000	
12. 1000	1000	1000	1000	
13. 1000	1000	1000	1000	
14. 1000	1000	1000	1000	
15. 1000	1000	1000	1000	
16. 1000	1000	1000	1000	
17. 1000	1000	1000	1000	
18. 1000	1000	1000	1000	
19. 1000	1000	1000	1000	
20. 1000	1000	1000	1000	
21. 1000	1000	1000	1000	
22. 1000	1000	1000	1000	
23. 1000	1000	1000	1000	
24. 1000	1000	1000	1000	
25. 1000	1000	1000	1000	
26. 1000	1000	1000	1000	
27. 1000	1000	1000	1000	
28. 1000	1000	1000	1000	
29. 1000	1000	1000	1000	
30. 1000	1000	1000	1000	
31. 1000	1000	1000	1000	
32. 1000	1000	1000	1000	
33. 1000	1000	1000	1000	
34. 1000	1000	1000	1000	
35. 1000	1000	1000	1000	
36. 1000	1000	1000	1000	
37. 1000	1000	1000	1000	
38. 1000	1000	1000	1000	
39. 1000	1000	1000	1000	
40. 1000	1000	1000	1000	
41. 1000	1000	1000	1000	
42. 1000	1000	1000	1000	
43. 1000	1000	1000	1000	
44. 1000	1000	1000	1000	
45. 1000	1000	1000	1000	
46. 1000	1000	1000	1000	
47. 1000	1000	1000	1000	
48. 1000	1000	1000	1000	
49. 1000	1000	1000	1000	
50. 1000	1000	1000	1000	
51. 1000	1000	1000	1000	
52. 1000	1000	1000	1000	
53. 1000	1000	1000	1000	
54. 1000	1000	1000	1000	
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57. 1000	1000	1000	1000	
58. 1000	1000	1000	1000	
59. 1000	1000	1000	1000	
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64. 1000	1000	1000	1000	
65. 1000	1000	1000	1000	
66. 1000	1000	1000	1000	
67. 1000	1000	1000	1000	
68. 1000	1000	1000	1000	
69. 1000	1000	1000	1000	
70. 1000	1000	1000	1000	
71. 1000	1000	1000	1000	
72. 1000	1000	1000	1000	
73. 1000	1000	1000	1000	

STUDY OF ADAPTATION

Learning Jing—(Material)	Learning Jing—(Material)
Learning Jing—(Material)	Learning Jing—(Material)

SHOOTING RECORD

[illegible]

14-00000

FORWARDED FOR RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0	0	0	0
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9
10	10	10	10
11	11	11	11
12	12	12	12
13	13	13	13
14	14	14	14
15	15	15	15
16	16	16	16
17	17	17	17
18	18	18	18
19	19	19	19
20	20	20	20
21	21	21	21
22	22	22	22
23	23	23	23
24	24	24	24
25	25	25	25
26	26	26	26
27	27	27	27
28	28	28	28
29	29	29	29
30	30	30	30
31	31	31	31
32	32	32	32
33	33	33	33
34	34	34	34
35	35	35	35
36	36	36	36
37	37	37	37
38	38	38	38
39	39	39	39
40	40	40	40
41	41	41	41
42	42	42	42
43	43	43	43
44	44	44	44
45	45	45	45
46	46	46	46
47	47	47	47
48	48	48	48
49	49	49	49
50	50	50	50
51	51	51	51
52	52	52	52
53	53	53	53
54	54	54	54
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56	56	56	56
57	57	57	57
58	58	58	58
59	59	59	59
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62	62	62	62
63	63	63	63
64	64	64	64
65	65	65	65
66	66	66	66
67	67	67	67
68	68	68	68
69	69	69	69
70	70	70	70
71	71	71	71
72	72	72	72
73	73	73	73
74	74	74	74
75	75	75	75
76	76	76	76
77	77	77	77
78	78	78	78
79	79	79	79
80	80	80	80
81	81	81	81
82	82	82	82
83	83	83	83
84	84	84	84
85	85	85	85
86	86	86	86
87	87	87	87
88	88	88	88
89	89	89	89
90	90	90	90
91	91	91	91
92	92	92	92
93	93	93	93
94	94	94	94
95	95	95	95
96	96	96	96
97	97	97	97
98	98	98	98
99	99	99	99
100	100	100	100