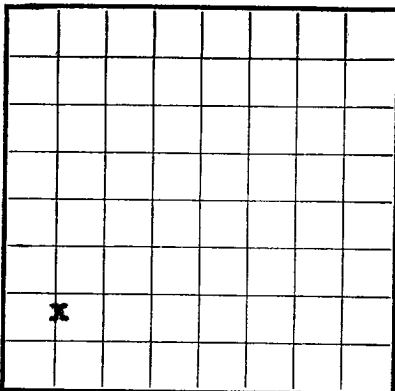
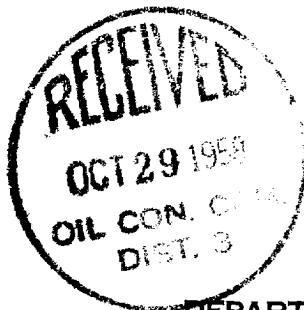




LOCATE WELL CORRECTLY

Jicarilla
U. S. LAND OFFICE
Contract 108
SERIAL NUMBER
LEASE OR PERMIT TO PROSPECT
Jicarilla TribalUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
OCT 27 1958
U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

LOG OF OIL OR GAS WELL

Company **EL PASO NATURAL GAS COMPANY** Address **Box 997, Farmington, New Mexico**
Lessor or Tract **Jicarilla** Field **S. Blanco PC Ext** State **New Mexico**
Well No. **9-0** Sec. **14** 26N 5W Meridian **N.M.P.M.** County **Rio Arriba**
Location **990** ft. N. of **S** Line and **790** ft. E. of **W** Line of **Sec. 14** Elevation **6948**
(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.

Date **October 27, 1958** Signed **[Signature]** Title **Senior Petroleum Engineer**

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

Commenced drilling **August 17th**, 19**58** Finished drilling **September 7th**, 19**58**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **3493** to **3554 (G)** No. 4, from _____ to _____

No. 2, from _____ to _____ 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	Male	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
8-5/8"	24#	8	J-55	98	-	-	-	-	Surface
5-1/2"	15.5#	8	J-55	3609	Pattern	Pattern	3517	3529	Production
							3542	3554	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	107	70	Pump & Plug		
5-1/2"	3618	100	" " "		

PLUGS AND ADAPTERS

Heaving plug—Material **None** Length _____ Depth set _____

Adapters—Material **None** Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		None				

TOOLS USED

Rotary tools were used from **Surface** feet to **3620** feet, and from _____ feet to _____ feet

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

Ran Tubing **Potential Test**
September 24th, 19**58** Put to producing **October 21st**, 19**58**

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 **5,161,000** Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. **1025**

EMPLOYEES

Benson-Montin-Greer, Driller
Drilling Corp., Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surface	3436	3436	Surface sand and shale, Ojo Alamo, Kirtland and Fruitland formations
3436	3440	4	Coal
3440	3460	20	Shale
3460	3462	2	Coal
3462	3490	28	Shale
3490	3491	1	Coal
3491	3493	2	Shale
3493	3554	61	Sand
3554	3620	66	Shale

TOP OF PICTURED CLIFFS (EL) 3493'

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 "detached" or left in the well, give its size and location. If the well has been dynamited, give date, 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.

8-17-58 Moved in to set surface casing. Spudded.

8-18-58 TD 107' RKB. Set 5 joints 98" of 8-5/8" OD 24# J-55 casing at 107' with 70 sacks cement, circulated to surface.

8-30-58 Moved in rotary. Pressured up on casing to 500#. No pressure decrease in 30 minutes.

9-7-58 TD 3620' RKB. Set 83 joints 3609' of 5-1/2" OD 15.5# J-55 casing at 3618' with 100 sacks cement.

9-20-58 Moved in cable tools. Pressured up on casing to 1000#. No pressure decrease in one hour.

9-21-58 Cleaned out to 3563'. Perforated 3517-29' and 3542-54' with 4 shots per foot. Sandraced with 26,000 gallons water and 20,000# sand, flushed with 4,000 gallons water. Breakdown pressure 2600', treating pressure 1150-1500#. Picked to upper part through treatment.

Average injection rate of 5 barrels per minute. The information can be obtained from the work log.

9-24-58 Ran 110 joints 5547' of 1-1/4" tubing landed at 5551' RKB. Shut well in for potential test.

Location or Trace

Field

State

Address

Company

HISTORY OF OIL OR GAS WELL

MUDGING AND CRIMPING RECORD			
Number of muds	Number of crimps	Method used	Date
1	1	Hand	1/1/19
2	2	Machine	2/1/19
3	3	Machine	3/1/19
4	4	Machine	4/1/19
5	5	Machine	5/1/19
6	6	Machine	6/1/19
7	7	Machine	7/1/19
8	8	Machine	8/1/19
9	9	Machine	9/1/19
10	10	Machine	10/1/19
11	11	Machine	11/1/19
12	12	Machine	12/1/19
13	13	Machine	1/1/20
14	14	Machine	2/1/20
15	15	Machine	3/1/20
16	16	Machine	4/1/20
17	17	Machine	5/1/20
18	18	Machine	6/1/20
19	19	Machine	7/1/20
20	20	Machine	8/1/20
21	21	Machine	9/1/20
22	22	Machine	10/1/20
23	23	Machine	11/1/20
24	24	Machine	12/1/20
25	25	Machine	1/1/21
26	26	Machine	2/1/21
27	27	Machine	3/1/21
28	28	Machine	4/1/21
29	29	Machine	5/1/21
30	30	Machine	6/1/21
31	31	Machine	7/1/21
32	32	Machine	8/1/21
33	33	Machine	9/1/21
34	34	Machine	10/1/21
35	35	Machine	11/1/21
36	36	Machine	12/1/21
37	37	Machine	1/1/22
38	38	Machine	2/1/22
39	39	Machine	3/1/22
40	40	Machine	4/1/22
41	41	Machine	5/1/22
42	42	Machine	6/1/22
43	43	Machine	7/1/22
44	44	Machine	8/1/22
45	45	Machine	9/1/22
46	46	Machine	10/1/22
47	47	Machine	11/1/22
48	48	Machine	12/1/22
49	49	Machine	1/1/23
50	50	Machine	2/1/23
51	51	Machine	3/1/23
52	52	Machine	4/1/23
53	53	Machine	5/1/23
54	54	Machine	6/1/23
55	55	Machine	7/1/23
56	56	Machine	8/1/23
57	57	Machine	9/1/23
58	58	Machine	10/1/23
59	59	Machine	11/1/23
60	60	Machine	12/1/23
61	61	Machine	1/1/24
62	62	Machine	2/1/24
63	63	Machine	3/1/24
64	64	Machine	4/1/24
65	65	Machine	5/1/24
66	66	Machine	6/1/24
67	67	Machine	7/1/24
68	68	Machine	8/1/24
69	69	Machine	9/1/24
70	70	Machine	10/1/24
71	71	Machine	11/1/24
72	72	Machine	12/1/24
73	73	Machine	1/1/25
74	74	Machine	2/1/25
75	75	Machine	3/1/25
76	76	Machine	4/1/25
77	77	Machine	5/1/25
78	78	Machine	6/1/25
79	79	Machine	7/1/25
80	80	Machine	8/1/25
81	81	Machine	9/1/25
82	82	Machine	10/1/25
83	83	Machine	11/1/25
84	84	Machine	12/1/25
85	85	Machine	1/1/26
86	86	Machine	2/1/26
87	87	Machine	3/1/26
88	88	Machine	4/1/26
89	89	Machine	5/1/26
90	90	Machine	6/1/26
91	91	Machine	7/1/26
92	92	Machine	8/1/26
93	93	Machine	9/1/26
94	94	Machine	10/1/26
95	95	Machine	11/1/26
96	96	Machine	12/1/26
97	97	Machine	1/1/27
98	98	Machine	2/1/27
99	99	Machine	3/1/27
100	100	Machine	4/1/27

SHOOTING RECORD			
Shot used	Shot used	Quantity	Date
1	1	1	1/1/19
2	2	2	2/1/19
3	3	3	3/1/19
4	4	4	4/1/19
5	5	5	5/1/19
6	6	6	6/1/19
7	7	7	7/1/19
8	8	8	8/1/19
9	9	9	9/1/19
10	10	10	10/1/19
11	11	11	11/1/19
12	12	12	12/1/19
13	13	13	1/1/20
14	14	14	2/1/20
15	15	15	3/1/20
16	16	16	4/1/20
17	17	17	5/1/20
18	18	18	6/1/20
19	19	19	7/1/20
20	20	20	8/1/20
21	21	21	9/1/20
22	22	22	10/1/20
23	23	23	11/1/20
24	24	24	12/1/20
25	25	25	1/1/21
26	26	26	2/1/21
27	27	27	3/1/21
28	28	28	4/1/21
29	29	29	5/1/21
30	30	30	6/1/21
31	31	31	7/1/21
32	32	32	8/1/21
33	33	33	9/1/21
34	34	34	10/1/21
35	35	35	11/1/21
36	36	36	12/1/21
37	37	37	1/1/22
38	38	38	2/1/22
39	39	39	3/1/22
40	40	40	4/1/22
41	41	41	5/1/22
42	42	42	6/1/22
43	43	43	7/1/22
44	44	44	8/1/22
45	45	45	9/1/22
46	46	46	10/1/22
47	47	47	11/1/22
48	48	48	12/1/22
49	49	49	1/1/23
50	50	50	2/1/23
51	51	51	3/1/23
52	52	52	4/1/23
53	53	53	5/1/23
54	54	54	6/1/23
55	55	55	7/1/23
56	56	56	8/1/23
57	57	57	9/1/23
58	58	58	10/1/23
59	59	59	11/1/23
60	60	60	12/1/23
61	61	61	1/1/24
62	62	62	2/1/24
63	63	63	3/1/24
64	64	64	4/1/24
65	65	65	5/1/24
66	66	66	6/1/24
67	67	67	7/1/24
68	68	68	8/1/24
69	69	69	9/1/24
70	70	70	10/1/24
71	71	71	11/1/24
72	72	72	12/1/24
73	73	73	1/1/25
74	74	74	2/1/25
75	75	75	3/1/25
76	76	76	4/1/25
77	77	77	5/1/25
78	78	78	6/1/25
79	79	79	7/1/25
80	80	80	8/1/25
81	81	81	9/1/25
82	82	82	10/1/25
83	83	83	11/1/25
84	84	84	12/1/25
85	85	85	1/1/26
86	86	86	2/1/26
87	87	87	3/1/26
88	88	88	4/1/26
89	89	89	5/1/26
90	90	90	6/1/26
91	91	91	7/1/26
92	92	92	8/1/26
93	93	93	9/1/26
94	94	94	10/1/26
95	95	95	11/1/26
96	96	96	12/1/26
97	97	97	1/1/27
98	98	98	2/1/27
99	99	99	3/1/27
100	100	100	4/1/27

TOOLS USED			
Tool used	Tool used	Quantity	Date
1	1	1	1/1/19
2	2	2	2/1/19
3	3	3	3/1/19
4	4	4	4/1/19
5	5	5	5/1/19
6	6	6	6/1/19
7	7	7	7/1/19
8	8	8	8/1/19
9	9	9	9/1/19
10	10	10	10/1/19
11	11	11	11/1/19
12	12	12	12/1/19
13	13	13	1/1/20
14	14	14	2/1/20
15	15	15	3/1/20
16	16	16	4/1/20
17	17	17	5/1/20
18	18	18	6/1/20
19	19	19	7/1/20
20	20	20	8/1/20
21	21	21	9/1/20
22	22	22	10/1/20
23	23	23	11/1/20
24	24	24	12/1/20
25	25	25	1/1/21
26	26	26	2/1/21
27	27	27	3/1/21
28	28	28	4/1/21
29	29	29	5/1/21
30	30	30	6/1/21
31	31	31	7/1/21
32	32	32	8/1/21
33	33	33	9/1/21
34	34	34	10/1/21
35	35	35	11/1/21
36	36	36	12/1/21
37	37	37	1/1/22
38	38	38	2/1/22
39	39	39	3/1/22
40	40	40	4/1/22
41	41	41	5/1/22
42	42	42	6/1/22
43	43	43	7/1/22
44	44	44	8/1/22
45	45	45	9/1/22
46	46	46	10/1/22
47	47	47	11/1/22
48	48	48	12/1/22
49	49	49	1/1/23
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60	60	60	12/1/23
61	61	61	1/1/24
62	62	62	2/1/24
63	63	63	3/1/24
64	64	64	4/1/24
65	65	65	5/1/24
66	66	66	6/1/24
67	67	67	7/1/24
68	68	68	8/1/24
69	69	69	9/1/24
70	70	70	10/1/24
71	71	71	11/1/24
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73	73	73	1/1/25
74	74	74	2/1/25
75	75	75	3/1/25
76	76	76	4/1/25
77	77	77	5/1/25
78	78	78	6/1/25
79	79	79	7/1/25
80	80	80	8/1/25
81	81	81	9/1/25
82	82	82	10/1/25
83	83	83	11/1/25
84	84	84	12/1/25
85	85	85	1/1/26
86	86	86	2/1/26
87	87	87	3/1/26
88	88	88	4/1/26
89	89	89	5/1/26
90	90	90	6/1/26
91	91	91	7/1/26
92	92	92	8/1/26
93	93	93	9/1/26
94	94	94	10/1/26
95	95	95	11/1/26
96	96	96	12/1/26
97	97	97	1/1/27
98	98	98	2/1/27
99	99	99	3/1/27
100	100	100	4/1/27

FORMATION RECORD			
Formation	Formation	Formation	Formation
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7	7	7	7
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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			