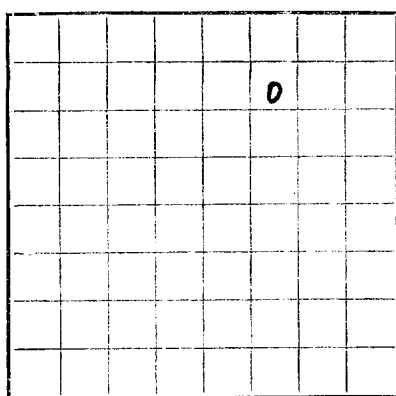


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

El Paso Natural Gas Co.

Box 997

Company Lackey Address Blanco-Lalata State New Mexico
Lessor or Tract 1-1 1-2 29N 10W Field N. M. P. M. State San Juan
Well No. 990 ~~XXXXXX~~ T. N R. 15S ~~XXXXX~~ Section 12 County 5786
Location ft. {N.} of Line and ft. {E.} of Line of Elevation
(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.

February 16, 1953

Signed J. F. Jabloch Petroleum Engineer

Date _____ Title _____

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

Commenced drilling April 15, 1952 Finished drilling July 23, 1952

OIL OR GAS SANDS OR ZONES

No. 1, from 2268 to 2375 (G) No. 4, from 4536 to 4695 (G)
No. 2, from 3888 to 4048 (G) No. 5, from _____ to _____
No. 3, from 4048 to 4536 (G) No. 6, from _____ to _____
No. 7, from _____ to _____ No. 8, from _____ to _____
No. 9, from _____ to _____ No. 10, 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	25.4	8	Sp. Weld	160	HWCO				Surface
7	23	8	Spang	3777	HWCO				Prod. log.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity
9 5/8	172	125	Circulated	
7	3787	300	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
4 1/2	Regular	S. N. G.	1435	7-23-52	4751-4061	
"	"	"	1965	7-29-52	3880-4740	

Rotary tools were used from 0 feet to 3787 feet, and from 3787 feet to 4751 feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Put to producing _____, 1952

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 T & A Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	380	380	Tan cr-grn ss w/thin sh breaks.
380	815	435	Vari sh w/thin ss breaks.
815	1088	273	Tan to gry cr-grn ss interbedded w/gry sh.
1088	1203	115	Ojo Alamo ss. Wh cr-grn s. Top Ojo Alamo 1088.
1203	1896	693	Kirtland formation. gry sh interbedded w/tight gry fine-grn ss. Top Kirtland 1203.
1896	2268	372	Fruitland formation. Gry carb sh, scattered coals and gry, tight, fine-grn ss. Top Fruitland 1896.
2268	2375	107	Pictured Cliffs formation. Gry, fine-grn, tight, varicolored soft ss. Top Pictured Cliffs 2268.
2375	3888	1513	Lewis formation. Gry to wh dense sh w/silty to shaly ss breaks. Top Lewis 2375.
3888	4048	160	Cliff House ss. Gry, fine-grn, dense sil ss. Top of Cliff House 3888.
4048	4536	488	Manefee formation. Gry, fine-grn s, carb sh and coal. Top Manefee 4048.
4536	4695	159	Point Lookout formation. Gry, very fine sil ss w/frequent sh breaks. Top Point Lookout 4536.
4695	4751 TD	56	Mancos formation. Gry carb sh. Top Mancos 4695.

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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WEST CORRECTLY

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 _____
February 10, 1965

Well No. _____
Section T. _____ R. _____
Location _____ ft. N. _____ of _____ Line and _____ ft. E. _____ of _____ Line of _____
Elevation _____
County _____ State _____
Address _____
Company _____

Commenced drilling _____ to _____
 The summary on this page is for the condition of the well at above date _____
 Date _____

OF THE SANDS OF ZONES

8-26-52
 Left flash of 24 lbs 3 1/2 lbs in hole @ 3905. Well will
 not produce to 3905. It is intended to clean up hole at later date.
 No. 1 from 3905 to 3910
 No. 2 from 3910 to 3915
 No. 3 from 3915 to 3920
 No. 4 from 3920 to 3925
 No. 5 from 3925 to 3930
 No. 6 from 3930 to 3935
 No. 7 from 3935 to 3940
 No. 8 from 3940 to 3945
 No. 9 from 3945 to 3950
 No. 10 from 3950 to 3955
 No. 11 from 3955 to 3960
 No. 12 from 3960 to 3965
 No. 13 from 3965 to 3970
 No. 14 from 3970 to 3975
 No. 15 from 3975 to 3980
 No. 16 from 3980 to 3985
 No. 17 from 3985 to 3990
 No. 18 from 3990 to 3995
 No. 19 from 3995 to 4000
 No. 20 from 4000 to 4005
 No. 21 from 4005 to 4010
 No. 22 from 4010 to 4015
 No. 23 from 4015 to 4020
 No. 24 from 4020 to 4025
 No. 25 from 4025 to 4030
 No. 26 from 4030 to 4035
 No. 27 from 4035 to 4040
 No. 28 from 4040 to 4045
 No. 29 from 4045 to 4050
 No. 30 from 4050 to 4055
 No. 31 from 4055 to 4060
 No. 32 from 4060 to 4065
 No. 33 from 4065 to 4070
 No. 34 from 4070 to 4075
 No. 35 from 4075 to 4080
 No. 36 from 4080 to 4085
 No. 37 from 4085 to 4090
 No. 38 from 4090 to 4095
 No. 39 from 4095 to 4100
 No. 40 from 4100 to 4105
 No. 41 from 4105 to 4110
 No. 42 from 4110 to 4115
 No. 43 from 4115 to 4120
 No. 44 from 4120 to 4125
 No. 45 from 4125 to 4130
 No. 46 from 4130 to 4135
 No. 47 from 4135 to 4140
 No. 48 from 4140 to 4145
 No. 49 from 4145 to 4150
 No. 50 from 4150 to 4155
 No. 51 from 4155 to 4160
 No. 52 from 4160 to 4165
 No. 53 from 4165 to 4170
 No. 54 from 4170 to 4175
 No. 55 from 4175 to 4180
 No. 56 from 4180 to 4185
 No. 57 from 4185 to 4190
 No. 58 from 4190 to 4195
 No. 59 from 4195 to 4200
 No. 60 from 4200 to 4205
 No. 61 from 4205 to 4210
 No. 62 from 4210 to 4215
 No. 63 from 4215 to 4220
 No. 64 from 4220 to 4225
 No. 65 from 4225 to 4230
 No. 66 from 4230 to 4235
 No. 67 from 4235 to 4240
 No. 68 from 4240 to 4245
 No. 69 from 4245 to 4250
 No. 70 from 4250 to 4255
 No. 71 from 4255 to 4260
 No. 72 from 4260 to 4265
 No. 73 from 4265 to 4270
 No. 74 from 4270 to 4275
 No. 75 from 4275 to 4280
 No. 76 from 4280 to 4285
 No. 77 from 4285 to 4290
 No. 78 from 4290 to 4295
 No. 79 from 4295 to 4300
 No. 80 from 4300 to 4305
 No. 81 from 4305 to 4310
 No. 82 from 4310 to 4315
 No. 83 from 4315 to 4320
 No. 84 from 4320 to 4325
 No. 85 from 4325 to 4330
 No. 86 from 4330 to 4335
 No. 87 from 4335 to 4340
 No. 88 from 4340 to 4345
 No. 89 from 4345 to 4350
 No. 90 from 4350 to 4355
 No. 91 from 4355 to 4360
 No. 92 from 4360 to 4365
 No. 93 from 4365 to 4370
 No. 94 from 4370 to 4375
 No. 95 from 4375 to 4380
 No. 96 from 4380 to 4385
 No. 97 from 4385 to 4390
 No. 98 from 4390 to 4395
 No. 99 from 4395 to 4400
 No. 100 from 4400 to 4405
 No. 101 from 4405 to 4410
 No. 102 from 4410 to 4415
 No. 103 from 4415 to 4420
 No. 104 from 4420 to 4425
 No. 105 from 4425 to 4430
 No. 106 from 4430 to 4435
 No. 107 from 4435 to 4440
 No. 108 from 4440 to 4445
 No. 109 from 4445 to 4450
 No. 110 from 4450 to 4455
 No. 111 from 4455 to 4460
 No. 112 from 4460 to 4465
 No. 113 from 4465 to 4470
 No. 114 from 4470 to 4475
 No. 115 from 4475 to 4480
 No. 116 from 4480 to 4485
 No. 117 from 4485 to 4490
 No. 118 from 4490 to 4495
 No. 119 from 4495 to 4500
 No. 120 from 4500 to 4505
 No. 121 from 4505 to 4510
 No. 122 from 4510 to 4515
 No. 123 from 4515 to 4520
 No. 124 from 4520 to 4525
 No. 125 from 4525 to 4530
 No. 126 from 4530 to 4535
 No. 127 from 4535 to 4540
 No. 128 from 4540 to 4545
 No. 129 from 4545 to 4550
 No. 130 from 4550 to 4555
 No. 131 from 4555 to 4560
 No. 132 from 4560 to 4565
 No. 133 from 4565 to 4570
 No. 134 from 4570 to 4575
 No. 135 from 4575 to 4580
 No. 136 from 4580 to 4585
 No. 137 from 4585 to 4590
 No. 138 from 4590 to 4595
 No. 139 from 4595 to 4600
 No. 140 from 4600 to 4605
 No. 141 from 4605 to 4610
 No. 142 from 4610 to 4615
 No. 143 from 4615 to 4620
 No. 144 from 4620 to 4625
 No. 145 from 4625 to 4630
 No. 146 from 4630 to 4635
 No. 147 from 4635 to 4640
 No. 148 from 4640 to 4645
 No. 149 from 4645 to 4650
 No. 150 from 4650 to 4655
 No. 151 from 4655 to 4660
 No. 152 from 4660 to 4665
 No. 153 from 4665 to 4670
 No. 154 from 4670 to 4675
 No. 155 from 4675 to 4680
 No. 156 from 4680 to 4685
 No. 157 from 4685 to 4690
 No. 158 from 4690 to 4695
 No. 159 from 4695 to 4700
 No. 160 from 4700 to 4705
 No. 161 from 4705 to 4710
 No. 162 from 4710 to 4715
 No. 163 from 4715 to 4720
 No. 164 from 4720 to 4725
 No. 165 from 4725 to 4730
 No. 166 from 4730 to 4735
 No. 167 from 4735 to 4740
 No. 168 from 4740 to 4745
 No. 169 from 4745 to 4750
 No. 170 from 4750 to 4755
 No. 171 from 4755 to 4760
 No. 172 from 4760 to 4765
 No. 173 from 4765 to 4770
 No. 174 from 4770 to 4775
 No. 175 from 4775 to 4780
 No. 176 from 4780 to 4785
 No. 177 from 4785 to 4790
 No. 178 from 4790 to 4795
 No. 179 from 4795 to 4800
 No. 180 from 4800 to 4805
 No. 181 from 4805 to 4810
 No. 182 from 4810 to 4815
 No. 183 from 4815 to 4820
 No. 184 from 4820 to 4825
 No. 185 from 4825 to 4830
 No. 186 from 4830 to 4835
 No. 187 from 4835 to 4840
 No. 188 from 4840 to 4845

CASING RECORD

Report No.	Date of report	Location of well	Amount used	Kind of explosive	Time and place of use	Purpose
1	1917	...	...	...	...	...

HISTORY OF OIL OR GAS WELL

Sl. No.	Material	Quantity	Unit	Remarks
1	CEMENT	100	bags	For construction of road
2	GRAVEL	500	cubic feet	For construction of road
3	SAND	200	cubic feet	For construction of road
4	BRICKS	10000	nos.	For construction of road
5	IRON RAILS	100	feet	For construction of road
6	WOODEN PLANKS	100	feet	For construction of road
7	LABOUR	100	man-days	For construction of road
8	CONCRETE	100	cubic feet	For construction of road
9	PAVING STONES	100	squares	For construction of road
10	DRIVE SHAFTS	100	feet	For construction of road
11	GEAR BOXES	100	nos.	For construction of road
12	CLUTCHES	100	nos.	For construction of road
13	AXLES	100	feet	For construction of road
14	WHEELS	100	nos.	For construction of road
15	STEERING GEARS	100	nos.	For construction of road
16	SPRINGS	100	nos.	For construction of road
17	SHOCK ABSORBERS	100	nos.	For construction of road
18	BRACKETS	100	nos.	For construction of road
19	BUSHES	100	nos.	For construction of road
20	KEYS	100	nos.	For construction of road
21	SCREWS	100	nos.	For construction of road
22	NUTS	100	nos.	For construction of road
23	WASHERS	100	nos.	For construction of road
24	COIL SPRINGS	100	nos.	For construction of road
25	HYDRAULIC CYLINDERS	100	nos.	For construction of road
26	VALVES	100	nos.	For construction of road
27	PISTONS	100	nos.	For construction of road
28	CRANKSHAFTS	100	nos.	For construction of road
29	CAMSHAFTS	100	nos.	For construction of road
30	CONNECTING RODS	100	nos.	For construction of road
31	BEARINGS	100	nos.	For construction of road
32	SEALS	100	nos.	For construction of road
33	FLYWHEELS	100	nos.	For construction of road
34	CLUTCH PEDALS	100	nos.	For construction of road
35	ACCELERATOR PEDALS	100	nos.	For construction of road
36	BRAKE PEDALS	100	nos.	For construction of road
37	STEERING WHEELS	100	nos.	For construction of road
38	STEERING COLUMNS	100	nos.	For construction of road
39	STEERING GEARS	100	nos.	For construction of road
40	STEERING SHAFTS	100	nos.	For construction of road
41	STEERING RACKS	100	nos.	For construction of road
42	STEERING KNUCKLES	100	nos.	For construction of road
43	STEERING BALL JOINTS	100	nos.	For construction of road
44	STEERING TIE RODS	100	nos.	For construction of road
45	STEERING KNUCKLE PINS	100	nos.	For construction of road
46	STEERING BALL JOINT PINS	100	nos.	For construction of road
47	STEERING TIE ROD PINS	100	nos.	For construction of road
48	STEERING KNUCKLE PINS	100	nos.	For construction of road
49	STEERING BALL JOINT PINS	100	nos.	For construction of road
50	STEERING TIE ROD PINS	100	nos.	For construction of road

RECORDING AND CEMENTING RECORD

[illegible]

PLUGS AND ADAPTERS

1. Name of the person	2. Date of birth	3. Place of birth
4. Name of the person	5. Date of birth	6. Place of birth
7. Name of the person	8. Date of birth	9. Place of birth
10. Name of the person	11. Date of birth	12. Place of birth

SHOOTING RECORD

Six	Shells used	Explosives used	Quantity	Date	Depth shot	Map sheet covered out
10	10	10	10	1-1-1907	10-10-1907	

0224.2100T

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

DATE:

[illegible]

SEEYOJINE

[illegible]

FORNATION RECORD

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