

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 077123
LEASE OR PERMIT TO PROSPECT _____

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 Warren Blanco &
Field Aztec P.G. Ext. State New Mexico
Well No. 3 (PM) Sec. 13 T. 24N R. 9W Meridian N.M.P.M. County San Juan
Location 1550 ft. (N.) of S Line and 1090 ft. (E.) of W Line of Sec. 13 Elevation 5892
(Derive 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 Original Signed D. C. Johnston

Date December 5, 1957 Title Petroleum Engineer

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

Commenced drilling 7-22 19 57 Finished drilling 8-18 19 57

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2223 to 2300 (C) No. 4, from 4485 to 4720 (G)
No. 2, from 3905 to 3938 (G) No. 5, from
No. 3, from 3938 to 4485 (C) No. 6, from

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—	
10 3/4	32.75	P. E.	S. W.	242'	Howoo				Surface
7 5/8	26.4	G. Rd.	J-55	250'	Baker				Prod. Gas.
5 1/2	15.5	G. Rd.	J-55	2420'	Baker				Prod. Inner
2	4.7	G. Rd.	J-55	2100'	2100' CUT ON G-15 MATH				Prod. Tubing
1 1/4	2.4	G. Rd.	Grade A	2273'					Siphon

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	252'	200	Circulated		
7-5/8	235-3'	250	Single Stage		
5-1/2	229-4-1/2	300	Single Stage		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material _____ Size _____ Baker "Baker" Baker at 2377-1 _____

SHOOTING RECORD

[illegible]

TOOLS USED

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet. Gas Drilled

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

DATES

-----, 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. -----

If gas well, cu. ft. per 24 hours PC-2,323,000 Gallons gasoline per 1,000 cu. ft. of gas -----
MV-3,594,000

Rock pressure, lbs. per sq. in. 987 (1117) P. C. 2423 MON (1)

EMPLOYEES A.O.F. = M. V. 4893 MCF/D

_____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1192	1192	Tan to gry cr-grn ss interbedded w/gry sh.
1192	1340	148	Ojo Alamo ss. White cr-grn s.
1340	1948	608	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
1948	2223	275	Furitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
2223	2306	83	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
2306	3905	1597	Lewis formation. Gry to white dense sh w/silt, to shaly ss breaks.
3905	3938	33	Cliff House ss. Gry, fine-grn, dense sil ss.
3938	4485	547	Menefee form. Gry, fine-grn s, carb sh & coal.
4485	4720	235	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
			1. 1000 2. 1000 3. 1000 4. 1000 5. 1000 6. 1000 7. 1000 8. 1000 9. 1000 10. 1000 11. 1000 12. 1000 13. 1000 14. 1000 15. 1000 16. 1000 17. 1000 18. 1000 19. 1000 20. 1000 21. 1000 22. 1000 23. 1000 24. 1000 25. 1000 26. 1000 27. 1000 28. 1000 29. 1000 30. 1000 31. 1000 32. 1000 33. 1000 34. 1000 35. 1000 36. 1000 37. 1000 38. 1000 39. 1000 40. 1000 41. 1000 42. 1000 43. 1000 44. 1000 45. 1000 46. 1000 47. 1000 48. 1000 49. 1000 50. 1000 51. 1000 52. 1000 53. 1000 54. 1000 55. 1000 56. 1000 57. 1000 58. 1000 59. 1000 60. 1000 61. 1000 62. 1000 63. 1000 64. 1000 65. 1000 66. 1000 67. 1000 68. 1000 69. 1000 70. 1000 71. 1000 72. 1000 73. 1000 74. 1000 75. 1000 76. 1000 77. 1000 78. 1000 79. 1000 80. 1000 81. 1000 82. 1000 83. 1000 84. 1000 85. 1000 86. 1000 87. 1000 88. 1000 89. 1000 90. 1000 91. 1000 92. 1000 93. 1000 94. 1000 95. 1000 96. 1000 97. 1000 98. 1000 99. 1000 100. 1000

HISTORY OF OIL OR GAS WELL

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 balling.

8-22-57 C. O. 4700'. Water fraced. F. L. Perf. Int. 4484-4528, 4560-4578, 4600-4608, 4640-4650, 4655-4672, w/50,000 gal. water and 60,000# sand.
 II pr. 1000#, max. pr. 2450#, avg. tr. pr. 1000, 1200, 1400, 1500, 2000.
 IR 75 LPM. Flushed 5000 gallons water. Dropped 1 sets of 23 balls for 5 stages. Set temporary bridge plug at 4320'. Water fraced F.L.C., perf. int. 2226-2240, 2250-2254 w/40,000 gallons water and 40,000# sand.
 II pr. 2000#, max. pr. 2600#. Avg. tr. pr. 1000. 1000# balls, 5000 gallons.

100 OF 01 OF 02 03 04 05 06 07 08 09 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 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

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