

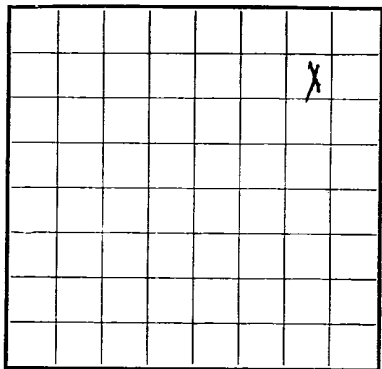
Form 9-330

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 080430
LEASE OR PERMIT TO PROSPECT _____

14-08-001-1051

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
NOV 17 1953



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 997 Farmington, New Mexico
Lessor or Tract San Juan 28-6 Unit Field Blanco State New Mexico
Well No. 2 Sec. 18 T. 28N. R. 6W. Meridian N. M. P. M. County Rio Arriba
Location 890 ft. xxx of N. Line and 990 ft. xxx of E. Line of Section 18 Elevation 6756
(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 Harold L. Kendrick

Date November 12, 1953 Title Petroleum Engineer

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

Commenced drilling July 30, 1953 Finished drilling September 19, 1953

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 3560 to 3636 (G) No. 4, from 5730 to 5885 (G)
No. 2, from 5206 to 5382 (G) No. 5, from _____ to _____
No. 3, from 5382 to 5730 (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	25.4	5. W.	Armco	160	Armco				Surface
7	23	8 rd	Spring	19954	Ball				Prod. Csg.
7	26	8 rd	Spring	3118	Ball				Prod. Csg.
5-1/2	15.50	8 rd	Spring	578					Inner
2	4.7	8 rd	Youngst.	5850					Prod. Tbg.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8	171	150	Circulated		
7	5150	500	Single Stage		
5-1/2	5585	50	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.	340	9-19-53	5715-5885	5885

TOOLS USED

Rotary tools were used from 0 feet to 5150 feet, and from 5150 feet to 5885 feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

October 15, 1953 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 315,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 1051

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	923	923	Tan cr-grn ss w/thin sh breaks. Variegated sh w/thin ss breaks. Tan to gry cr-grn ss interbedded w/gry sh. Ojo Alamo ss. White cr-grn s. Kirtland formation. Gry sh interbedded w/tight gry fine-grn ss. Fruitland formation. Gry carb sh, scattered coals coals and gry, tight, fine-grn ss. Pictured Cliffs formation. Gry, fine-grn, tight, varicolored soft ss.
923	1953	1030	
1953	2625	672	
2625	2807	182	
2807	3308	501	
3308	3560	252	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks. Cliff House ss. Gry, fine-grn, dense sil ss. Menefee formation. Gry, fine-grn s, carb sh and coal. Point Lookout formation. Gry, very fine sil ss w/frequent sh breaks. Manco formation. Gry carb sh.
3560	3636	76	
3636	5206	1570	
5206	5382	176	
5382	5730	348	
5730	5885	155	
			Tops
			Ojo Alamo 2625 Cliff House 5206
			Kirtland 2807 Menefee 5382
			Fruitland 3308 Pt.Lkout 5730
			Pict.Cliffs 3560
			Lewis 3636

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 bailing.

1. **THE STATE OF TEXAS, COUNTY OF DALLAS.**
 2. **BEFORE ME, the undersigned authority, on this _____ day of _____, 20____,**
 3. **known to me to be the person whose name is subscribed to the foregoing instrument,**
 4. **and acknowledged to me that he executed the same for the purposes and consideration therein expressed.**
 5. **I hereby certify that the foregoing instrument is a true and correct copy of the original as the same appears from the records of the County Clerk of this County.**
 6. **IN WITNESS WHEREOF, I have hereunto set my hand and the seal of said County at the City of Dallas, Texas, this _____ day of _____, 20____.**
 7. **_____, County Clerk.**
 8. **NOTARY PUBLIC FOR THE STATE OF TEXAS.**

100 01 07 08 09 10 11

APPROXIMATE 10-15%

HEALTH CARE AND THE FUTURE

06-1879-2000

[illegible]

1. *Chlorophyll a* and *Chlorophyll b* were determined by the method of Arar and Collins (1971).

1. *Chlorophyll a* and *Chlorophyll b* (mg/g)