

[illegible]

LOCATE WELL CORRECTLY

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078424-B
LEASE OR PERMIT TO PROSPECT 14-08-001-567

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico
Lessor or Tract San Juan 29-7 Unit Field Blanco State New Mexico
Well No. 66 Sec. 22 T. 29N R. 7W Meridian N.M.P.M. County Rio Arriba
Location 1090 ft. [N.] of S. Line and 184 ft. [E.] of W. Line of Section 22 Elevation 6795'
(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 Original Signed D. C. Johnston
Date July 18, 1958 Title Petroleum Engineer

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

Commenced drilling 4-17- 1958 Finished drilling 5-13- 1958

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

No. 1, from 3576 to 3722 (G) No. 4, from 5710 to 5886 (G)
No. 2, from 5316 to 5410 (G) No. 5, from to
No. 3, from 5410 to 5710 (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—	
10 3/4"	32.75	8 R.	S.W.	160'	Howco				Surface
7 5/8"	26.40	8 R.	J-55	3747'	Baker				Intermediate
5 1/2"	15.5	8 R.	J-55	2261'	Baker				Prod. Liner
REMARKS ON CUT OF Casing									
2"	4.7	8 R.	J-55	5854'					Prod. tbg.

MUDDING AND CEMENTING RECORD

	Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
MARK	10 3/4"	173'	150	circulated		
	7 5/8"	3760'	150	single stage		
	5 1/2"	3684-5945'	250	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
		See Well History				

TOOLS USED

TOOLS USED

Rotary tools were used from 0 feet to 3760 feet, and from 3760 ^{Gas Drilled} feet to 5948 feet

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

DATES

-----5-20-----, 1958 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 5,315,000 Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. ---1079----- A.O.F.--20,383 MCF/D

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2614	2614	Tan to gry cr-grn ss interbedded w/gry sh.
2614	2784	170	Ojo Alamo ss. White cr-grn s.
2784	3286	502	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
3286	3576	290	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3576	3722	146	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
3722	5316	1594	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
5316	5410	94	Cliff House ss. Gry, fine-grn, dense sil ss.
5410	5710	300	Menefee form. Gry, fine-grn s, carb sh & coal.
5710	5886	176	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5886	5948	62	Mancos formation. Gry carb sh.

FORMATION RECORD—Continued

FROM-	TO-	TOTAL FEET	FORMATION
			1. 0-10' Sandstone, medium to coarse grained, brownish gray, massive to blocky, with some thinning and some small root-like structures. 2. 10-20' Sandstone, medium to coarse grained, brownish gray, massive to blocky, with some thinning and some small root-like structures. 3. 20-30' Sandstone, medium to coarse grained, brownish gray, massive to blocky, with some thinning and some small root-like structures. 4. 30-40' Sandstone, medium to coarse grained, brownish gray, massive to blocky, with some thinning and some small root-like structures. 5. 40-50' Sandstone, medium to coarse grained, brownish gray, massive to blocky, with some thinning and some small root-like structures. 6. 50-60' Sandstone, medium to coarse grained, brownish gray, massive to blocky, with some thinning and some small root-like structures. 7. 60-70' Sandstone, medium to coarse grained, brownish gray, massive to blocky, with some thinning and some small root-like structures. 8. 70-80' Sandstone, medium to coarse grained, brownish gray, massive to blocky, with some thinning and some small root-like structures. 9. 80-90' Sandstone, medium to coarse grained, brownish gray, massive to blocky, with some thinning and some small root-like structures. 10. 90-100' Sandstone, medium to coarse grained, brownish gray, massive to blocky, with some thinning and some small root-like structures.

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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.

5-17-58 D.D. 5948; C.O.T.B. 5911; Treated pert. Int. (1 D/ft) 5718-5730; 5740-5760; 5774-5804; 5834-5856; 5876-5898 w/50,000 gal. water and 60,000# sand. Flushed w/10,000 gal. water. B.D.F. 1000#, max. pr. 1600#, trtg. pr. 1500-1400-1350-1400-1450-1550-1600#. I.R. 89 B.P.M. Nat. Gage TSTM. 7 stages 5 ball drops of 16 balls each, 1 stage 20 balls. Temp. B.P. @ 5600'. Treated Cliff House pert. Int. (2 D/ft) 5316-5336; 5360-5372; 5386-5408 w/35,000 gal. water, 40,000# sand. Flushed w/9400 gal. water. I.R. 79 B.P.M. B.D.F. 800#, max. pr. 1725#, trtg. pr. 1600-1625-1650-1700-1725#. Nat. Gage TSTM. 5 stages 4 ball drops 20 balls each.

Section 3578-3579
Recovery

Section	Gate
3578-3578	5-25-58
3578-3622	4-26-58
3622-3674	4-28-58
5298-5350	5-3-58
5350-5371	5-4-58
5378-5390	5-5-58
5428-5428	5-6-58
5428-5485	5-7-58
5485-5513	5-7-58
5513-5567	5-8-58
5567-5592	5-8-58
5592-5633	5-9-58
5633-5690	5-10-58
5690-5712	5-10-58
5712-5752	5-11-58
5752-5805	5-12-58
5805-5856	5-13-58
5856-5891	