

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 079363
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 San Juan 28-6 Unit Field Blanco & Wildcat State New Mexico
Well No. 81 (FM) Sec. 12 T 27N R. 6W Meridian N.M.P.M. County Rio Arriba
Location 890 ft. N. of S Line and 890 ft. E. of W Line of Section 12 Elevation 6464'
Direction does not include magnetic declination

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 **June 19, 1958** Signed **Original Signed D. C. Johnston**
Title **Petroleum Engineer**

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


Commenced drilling 4-17, 19 58 Finished drilling 4-28, 19 58

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

(Denote gas by G)

No. 1, from <u>3212</u> to <u>3293 (G)</u>	No. 4, from <u>5365</u> to <u>5518 (G)</u>
No. 2, from <u>4852</u> <u>4970</u> to <u>4970 (G)</u>	No. 5, from _____ to _____
No. 3, from <u>4970</u> to <u>5365 (G)</u>	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	F. R.	S.W.	163'	Howco				Surface
7 5/8"	26.4	8 Rd.	J-55	3377'	Baker				Prod. Cag.
5 1/2"	15.5	8 Rd.	J-55	2237	Baker				Prod. Liner
2"	4.7	8 Rd.	J-55	5190					Prod. Thg.
1 1/4"	2.4	8 Rd.	Grade "A"	3217					Siphon

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4	174	150	Circulated		
7 5/8	3387	200	Single Stage		
5 1/2	3342-5599	300	Single Stage		

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set

Adapters—Material----- Size ~~Baker "ECJ" Packer at 3409'~~

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		See Well History				

TOOLS USED

Gas Drilled

Rotary tools were used from -----0----- feet to -----3388----- feet, and from -----3388----- feet to -----5604----- feet.

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

DATES

5-0	19-58	Put to producing	19
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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 P.C. 4,611,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 1079 A.O.F. = P.C. 5279; M.V. 4936 MCF/D

EMPLOYEES

EMPLOYEES

_____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2468	2468	Tan to gry cr-grn ss interbedded w/gy sh.
2468	2673	205	Ojo Alamo ss. White cr-grn s.
2673	2949	276	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2949	3212	263	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3212	3293	81	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
3293	4852	1559	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
4852	4970	118	Cliff House ss. Gry, fine-grn, dense sil ss.
4970	5365	395	Menefee form. Gry, fine-grn s, carb sh & coal.
5365	5518	153	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5518	5604	86	Mancos formation. Gry carb sh.

FORMATION RECORD—Continued[illegible]

HISTORY OF OIL OR GAS WELL

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

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.

- 5-1-58 C.O.T.D. 5547'. Perf. w/208/ft. int. 3245-74; 5316-30; 5408-22; 5432-24; 5472-90. Water frac. Point Lockcut w/60,650 gal. water, 60,000# sand. Flush w/10,000 gal. water. I.R. 64.9 BPM. BDP 1000, tr. pr. 1400-1500-1700-2000-2000-2000 6 stages, 5 drops of 20 balls.
- 5-1-58 B.P. @ 5100'. Perf. w/223/ft. int. 4890-89; 4894-4910; 4950-70. Water fra. w/47,460 gal. water, 40,000# sand. Flush w/9000 gal. water. I.R. 60.4 BPM. B.D.P. 1200 psi, tr. pr. 1200-1500, 1550-1700-1700. 4 stages, 5 drops of 20 balls.
- 5-1-58 B.P. @ 3400'.
- 5-1-58 Perf. w/2 DJ/ft. int. 3215-86; 3240-56; 3266-76. Water frac. w/35,500 gal. water, 30,000# sand. Flush w/1000 gal. water. I.R. 60.9 BPM. BDP 2000#, tr. pr. 1200-900-100#. 3 stages. 2 drops of 20 balls. preceded flush w/20 balls.