

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 079492-B
LEASE OR PERMIT TO PROSPECT _____

[illegible]

LOCATE WELL CORRECTLY

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 27-5 Unit Field Blanco&Tapacito State New Mexico
 Well No. 31(PM) Sec. 24 T. 27N R. 5W Meridian N.M.P.M. County Rio Arriba
 Location 990 ft. ~~SE~~ of N Line and 990 ft. ~~NE~~ of E Line of Section 24 Elevation 6588

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 E. H. WOOD

Date August 22, 1958 Title Petroleum Engineer

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

Commenced drilling 5-4- 1958 Finished drilling 5-20- 1958

OIL OR GAS SANDS OR ZONES

(Denote gas by $\odot$)

No. 1, from 3403 to 3551 (G) No. 4, from 5592 to 5737 (G)
No. 2, from 5190 to 5230 (G) No. 5, from _____ to _____
No. 3, from 5230 to 5592 (G) No. 6, from _____ to _____

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.	162'	Howco				Surface
7 5/8"	28.40	8 Rd.	J-55	3525'	Baker				Prod. casg.
5 1/2"	15.50	8 Rd.	J-55	2256'	Baker				Prod. liner
2"	4.7	8 Rd.	J-55	5746'					
1 1/4"	2.4	8 Rd.	Grade "A"	3513'					Prod. tbg/ Sibson

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4"	173'	150	circulated		
7-5/8"	3607'	200	single stage		
5-1/2"	3570-5836'	300	single stage		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material----- Size **Baker "D" Flr. @ 3550'**-----

SHOOTING RECORD

[illegible]

TOOLS USED

Rotary tools were used from 180 feet to 3607 feet, and from 3607 feet to 5038 feet. Gas Drilled

Cable tools were used from 0 feet to 180 feet, and from _____ feet to _____ feet

DATES

.....	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 4,500 Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. P.C. 540 A.O.F. 5429 P.C. 5429
M.V. 1040 M.V. 4155 MCF/D

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2827	2827	Tan to gry cr-grn ss interbedded w/gry sh.
2827	2966	139	Ojo Alamo ss. White cr-grn s.
2966	3212	246	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
3212	3403	191	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3403	3551	148	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
3551	5190	1639	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
5190	5230	40	Cliff House ss. Gry, fine-grn, dense sil ss.
5230	5592	362	Menefee form. Gry, fine-grn, s, carb sh & coal.
5592	5737	145	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.

[illegible]

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

5-23-58 T.D. 5838'. C.O.T.D. 5790'. Water frac. R.I. perf. int. 5602-5629; 5630-5640; 5654-5668; 5678-5690; 5710-5744 w/58,998 gal. water & 60,000# sand. BDP 1350#, max. gm. 0000#, avg. tr. pr. 1100-1400-1600-1700-2200#. I.R. 62.8 RPM. Flush 10,896 gal. Dropped 4 sets of 20 balls each--5 stages.

5-23-58 T.D. 5838'. Temp. B.P. 5500'. Water frac. C.H. perf. int. 5162-5180; 5190-5200; 5210-5232; 5300-5314; 5330-5342 w/47,000 gal. water & 50,000# sand. BDP 1550#, max. pr. 2300#, avg. tr. pr. 1600-1800-2400#. I.R. 52.3 RPM. Flush 10,000 gal. Dropped 2 sets of 20 balls for 3 stages.

5-23-58 T.D. 5838'. Temp. B.P. @ 5000'. Water frac. P.C. perf. int. 3446-3464; 3474-3474-3502 w/35,482 gal. water & 35,000# sand. BDP 3000#, max. pr. 3000#, avg. tr. pr. 1300-1500-1700-2400#. I.R. 57.7 RPM. Flush 9999 gal. Dropped 3 sets of 20 balls--4 stages.

[illegible]

REVIEW OF THE EVIDENCE

040 60 214152

THESE ARE THE RESULTS OF THE INVESTIGATION
CONDUCTED BY THE BUREAU OF THE
FEDERAL BUREAU OF INVESTIGATION