

U. S. LAND OFFICE Santa FeSERIAL NUMBER 079392

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 27-5 Unit Field Blanco M.V. & South State New Mexico
Well No. 4(FM) Sec. 29 T. 27N R. 5W Meridian N.M.P.M. County Rio Arriba
Location 990 ft. xxx of N Line and 990 ft. xxx of E Line of Section 29 Elevation 6479'
(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 J.J. TILLERSONDate September 17, 1959Title Petroleum Engineer

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

Commenced drilling 8-26, 19 53 Finished drilling 7-15, 19 59

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3234 to 3305 (G) No. 4, from 5334 to 5570 (G)
No. 2, from 4865 to 4995 (G) No. 5, from 5334 to 5570 (G)
No. 3, from 4995 to 5334 (G) No. 6, from 5334 to 5570 (G)

IMPORTANT WATER SANDS

No. 1, from 3234 to 3305 No. 3, from 4865 to 4995
No. 2, from 4865 to 4995 No. 4, from 5334 to 5570

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	8 Rd.	J-55	163	Armon				Surface
7"	20	8 Rd.	J-55	2619	Baker				Prod. Csg.
5"	15	8 Rd.	J-55	603	Baker				Prod. Liner
2"	4.7	8 Rd.	J-55	5471	Baker				Prod. Tg.
1-1/4"	2.4	10 Rd.	Grade "A"	3082					Siphon

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8"	173	125	Circulated		
7"	4825	500	Single Stage		
5"	4763-5566	115	Single Stage		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material _____ Size Gaiberson "AN" Packer at 4730'

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from 0 feet to 4825 feet, and from 4825 feet to 5570 feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Put to producing _____, 19 59

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 FC 1,316,000 Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. FC-1033; M.V. 1101 A.O.F. = F.C. 1330; M.V. 1749 MCF/D

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2600	2600	Tan to gry cr-grn ss interbedded w/gry sh.
2600	2766	166	Ojo Alamo ss. White cr-grn s.
2766	2955	189	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2955	3234	279	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3234	3305	71	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
3305	4865	1560	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
4865	4995	130	Cliff House ss. Gry, fine-grn, dense sil ss.
4995	5334	339	Menefer form. Gry, fine-grn s, carb sh & coal
5334	5570	236	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
FROM—	TO—	TOTAL FEET	FORMATION

FORMATION RECORD—CONTINUED

