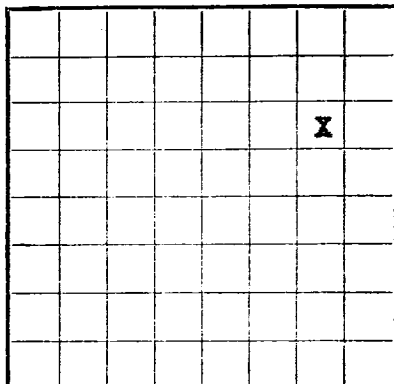


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078097
LEASE OR PERMIT TO PROSPECT

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 Horton Field Blanco State New Mexico
Well No. 4 Sec. 29 T. 31N R. 11W Meridian HMPM County San Juan
Location 1650 ft. N. of N Line and 1042 ft. E. of E Line of Section 29 Elevation 5972' GL
(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 School Schulerman Title Petroleum Engineer
Date June 11, 1956

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

Commenced drilling March 20, 19 56 Finished drilling April 7, 19 56

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2510 to 2582 (G) No. 4, from 4760 to 4942 (G)
No. 2, from 4131 to 4303 (G) No. 5, from _____ to _____
No. 3, from 4303 to 4760 (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
2 5/8"	25.44	P.E.	S.W.	161'	Howco			Surface
7"	23.48	8 RD	J-55	240'	Howco			Prod. Csg.
5 1/2"	25.20	8 RD	J-55	1866'	Howco			Prod. Csg.
2"	4.74	8 RD	J-55	1866'	Howco			Prod. Tbg.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
2 5/8"	173'	125	Circulated		
7"	4665'	300	Single Stage		
5 1/2"	4597-4975'	100	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

Rotary tools were used from 0 feet to 4665 feet, and from 4665 feet to 4980 feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

April 17, 19 56 Put to producing _____, 19 _____
The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment.
If gas well, cu. ft. per 24 hours 11,042,000 Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. 1063

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	835	835	Tan to gry cr-grn ss interbedded w/gry sh.
835	1003	168	Ojo Alamo ss. White cr-grn s.
1003	2106	1103	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2106	2510	404	Fruitland form. Gry carb sh, scattered coals coals and gry, tight, fine-grn ss.
2510	2582	72	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
2582	4131	1549	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
4131	4303	172	Cliff House ss. Gry, fine-grn, dense sil ss.
4303	4760	457	Manefee form. Gry, fine-grn s, carb sh & coal.
4760	4942	182	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
4942	4980 T.D.	38	Manefee formation. Gry carb sh.

FORMATION RECORD—Continued

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 _____

General Manager

This _____ day of _____, 19____

Location _____
of _____
T. R. _____
Lessor or Owner _____
Company _____
Address _____
State _____
County _____
City _____

Completed Drilling Finished Drilling
The accuracy of this page is for the condition of the well at above date.

(D. and S. 1910)

No. 1 from
No. 2 from
No. 3 from
No. 4 from
No. 5 from
No. 6 from
No. 7 from
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No. 100 from

Reservoir, page nine.

2600', treating pressure 2400'. Injection rate 47.5 bbls./min. Flush 8610 gallon

placed with 54,185 gallons water & 60,000 sand. BPE 1700#, maximum pressure

4-16-56 Upper Point Locust Camp - P.B.-L.D. 46371. 1800-1820 with 4 shots.

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 balling.

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U.S. DEPARTMENT OF JUSTICE