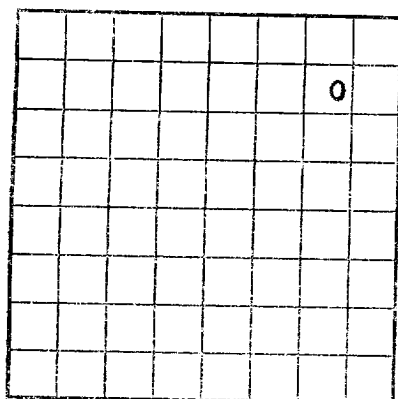


U. S. LAND OFFICE **Santa Fe**

SERIAL NUMBER 078049

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 Co. Address P.O. Box 997 Farmington
Lessor or Tract Hughes Field Blanco-La Plata State New Mexico
Well No. 1-A Sec. 33 T. 29N R. 8W Meridian N.M.P.M. County San Juan
Location 1157 ft. ~~1157~~ S of N Line and 883 ft. ~~883~~ W of E Line of Section 33 Elevation 6413'

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 _____

Date **February 3, 1953** Title **Petroleum Engineer**

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

Commenced drilling October 17, 1952 Finished drilling November 14, 1952

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2940 to 2985 (G) No. 4, from 5147 to 5370 (G)
No. 2, from 4554 to 4687 (G) No. 5, from to
No. 3, from 4687 to 5147 (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—	
9 5/8	25.4	8	ARNCO SW	158	HOMCO				Surface Production
7	20	8	Spang	4711	HOMCO				
2	4.7	8	Youngs	5351'					Prod. tubing.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8 168'		125	Circulated		
7 4521'		300	Sing. 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
Quart	Reg.	S.N.G.	1500	11-14	4620-5370	5366'

TOOLS USED

Rotary tools were used from 0 feet to 4521' feet, and from 4521' feet to 5370' feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

November 18, _____, 19. 52 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 4,176,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 1054

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	325	325	Tan coarse-grn ss W/thin sh breaks.
325	1090	765	Variegated sh W/thin ss breaks.
1090	1936	846	Tan to gry coarse-grn ss interbedded W/gry sh.
1936	2077	141	Ojo Alamo ss. White coarse-grn sand. Top Ojo Alamo 1936.
2077	2625	548	Kirtland formation. Gry sh interbedded W/tight gry fine-grn ss. Top Kirtland 2077.
2625	2940	315	Fruitland formation. Gry carb. sh, scattered coals and gry, tight, fine-grn ss. Top Fruitland 2625.
2940	2985	45	Pictured Cliffs formation. Gry, fine-grn, tight, varicolored soft ss. Top Pictured Cliffs 2940.
2985	4554	1569	Lewis formation. Gry to white dense sh W/silty to shaly ss breaks. Top Lewis 2985.
4554	4687	133	Cliff House ss. Gry, fine-grn, dense siliceous ss. Top Cliff House 4554.
4687	5147	460	Menefee formation. Gry, fine-grn sands, carb. sh and coal. Top Menefee 4687.
5147	5370 T.D.	223	Point Lookout formation. Gry, very fine siliceous ss W/frequent sh breaks. Top Point Lookout 5147.

FORMATION RECORD—Continued

[illegible]

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.

HISTORY OF OIL OR GAS WELL

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