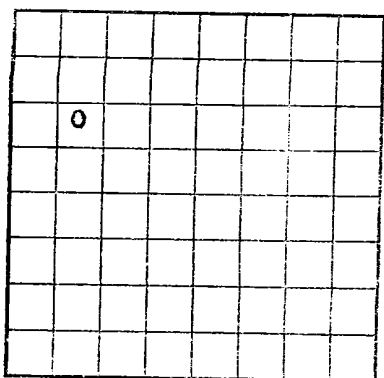


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 077875
LEASE OR PERMIT TO PROSPECT _____



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 Rowley Field Fulcher-Kutz State New Mexico
Well No. 4 Sec. 17 T. 27N R. 10W Meridian N.M.P.M. County San Juan
Location 1560 ft. (S.) of N Line and 890 ft. (E.) of W Line of Section 17 Elevation 5992'
(Derives 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 Signature J. J. Vail

Date February 4, 1953 Title Petroleum Engineer.

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

Commenced drilling December 12, 1952 Finished drilling December 23, 1952

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 1782 to 1862 (G) No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 719 to 877 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	
8 5/8	24	8	Spang	125'	HOWCO				Surface Prod. cwg.
5 1/2	15.5	8	Spang	1700'	HOWCO				
1"	1.68	8	Std. Black	1860'					Prod. Tubing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	130	65	Circulated		
5 1/2	1785'	150	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	Regular	S.N.G.	220	12-23	1795-1885	1878'

TOOLS USED

Rotary tools were used from 0 feet to 1785' feet, and from _____ feet to _____ feet
Cable tools were used from 1785' feet to 1885' feet, and from _____ feet to _____ feet

DATES

December 26, 1952 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 324,000 Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. 475

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	364	364	Tan coarse-grn ss w/thin sh breaks.
364	501	137	Variegated sh w/thin ss breaks.
501	719	218	Tan to gry coarse-grn ss interbedded w/gry sh.
719	877	158	Ojo Alamo ss. White coarse-grn sand. Top Ojo Alamo 719.
877	1480	603	Kirtland formation. Gry sh interbedded w/tight gry fine-grn ss. Top Kirtland 877.
1480	1782	302	Fruitland formation. Gry carb sh, scattered coals and gry, tight, fine-grn ss. Top Fruitland 1480.
1782	1862	80	Pictured Cliffs formation. Gry, fine-grn, tight, varicolored soft ss. Top Pictured Cliffs 1782.
1862	1885	23	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks. Top Lewis 1862.

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FORMATION RECORD--Continued

[illegible]