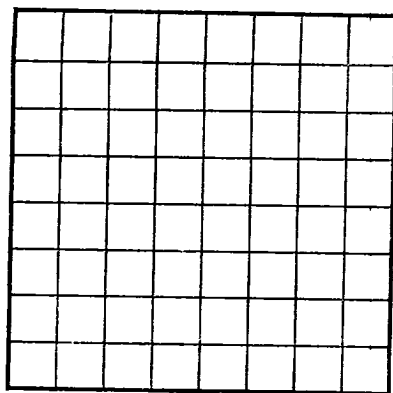


U. S. LAND OFFICE Santa FeSERIAL NUMBER 078415-A

LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED

SEP 14 1953

U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 997 Farmington, New Mexico
Lessor or Tract Roelofs Field Blanco State New Mexico
Well No. 4-A Sec. 22 T. 29N R. 8W Meridian N. M. P. M. County San Juan
Location 990 ft. (N.) of S Line and 990 ft. (E.) of W Line of Section 22 Elevation 6408
(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 Frederick N. WellsDate September 10, 1953Title Petroleum Engineer

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

Commenced drilling May 3, 1953 Finished drilling June 28, 1953

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3013 to 3070 (G) No. 4, from 5251 to 5338 (G)
No. 2, from 4641 to 4788 (G) No. 5, from _____ to _____
No. 3, from 4788 to 5251 (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
							From—	To—	
9-5/8	25.4	S. W.	Armco	161'	Armco				Surface
7"	23	8 rnd	Spang	4570'	Baker				Prod. Csg.
2"	4.7	8 rnd	Youngst.	5309'					Prod. Tbg.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8	172'	150	Circulation		
7"	4580'	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
Quarts	regular	S.N.G.	1660	6-29	4640-5371	5371'

TOOLS USED

Rotary tools were used from 0 feet to 4580 feet, and from 4580 feet to 5371 feet Gas Drilling
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

July 1, 1953 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 3,690 MCF Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 1077

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	505	505	Tan cr-grn ss w/thin sh breaks.
505	1388	883	Variegated sh w/thin ss breaks.
1388	2010	622	Tan to gry cr-grn ss interbedded w/gry sh.
2010	2125	115	Ojo Alamo ss. Wh cr-grn s. Top Ojo Alamo 2010.
2125	2737	612	Kirtland formation. Gry sh interbedded w/tight gry fine-grn ss. Top Kirtland 2125.
2737	3013	276	Fruitland formation. Gry carb sh, scattered coals and gry, tight, fine-grn ss. Top Fruitland 2737.
3013	3070	57	Pictured Cliffs formation. Gry, fine-grn, tight, varicolored soft ss. Top Pictured Cliffs 3013.
3070	4641	1571	Lewis formation. Gry to wh dense sh w/silty to shaly ss breaks. Top Lewis formation 3070.
4641	4788	147	Cliff House ss. Gry, fine-grn, dense sil ss. Top of Cliff House 4641.
4788	5251	463	Menefee formation. Gry, fine-grn s, carb sh and coal. Top Menefee 4788.
5251	5338	87	Point Lookout formation. Gry, very fine sil ss w/ frequent sh breaks. Top Point Lookout 5251.
5338	5371	33	Mancos formation. Gry carb sh. Top Mancos 5338.