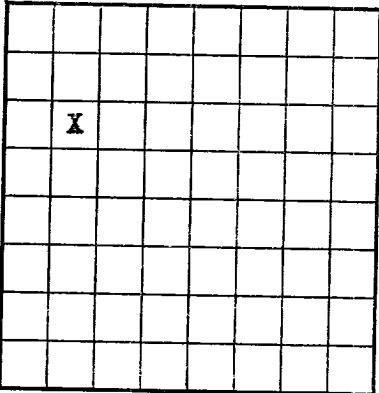


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078317
LEASE OR PERMIT TO PROSPECT _____



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 Duff Field Astec Pool State New Mexico
Well No. 1 Sec. 5 T. 29N R. 11W Meridian N.M.P.M. County San Juan
Location 1450 ft. N. of North Line and 590 ft. E. of W Line of Section 5 Elevation 5864'
(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 [Signature]
Date April 22, 1953 Title Petroleum Engineer.

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

Commenced drilling 2-1-53, 19____ Finished drilling 3-13-53, 19____

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

No. 1, from 2067 to 2127 (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 730 to 800 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	Purpose
9 5/8	25.4	8 RD	S. W.	91'	ARICO		Surface
5 1/2	15.5	8 RD	Spang	2074'	BAKER		Prod. Csg.
1"	1.68	8 RD	Std. Blk	2099'			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	101'	75	Circulated		
5 1/2	2073'	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.	105	3-15-53	2079-2121	2121

TOOLS USED

Rotary tools were used from 0 feet to 2074' feet, and from _____ feet to _____ feet
Cable tools were used from 2074 feet to 2127 feet, and from _____ feet to _____ feet

DATES

March 18, 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 517,000 Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. 573

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	165	165	Tan cr-grn ss w/thin sh breaks.
165	304	139	Variegated sh w/thin ss breaks.
304	735	431	Tan to gry cr-grn ss interbedded w/gry sh.
735	820	85	Ojo Alamo ss. Wh cr-grn s. Top Ojo Alamo 735.
820	1790	970	Kirtland formation. Gry sh interbedded w/tight gry fine-grn ss. Top Kirtland 820.
1790	2067	277	Fruitland formation. Gry carb sh, scattered coals and gry, tight, fine-grn ss. Top Fruitland 1790.
2067	2127	60	Pictured Cliffs formation. Gry, fine-grn, tight, varicolored soft ss. Top Pictured Cliffs 2067.
			Lewis formation. Gry to wh dense sh w/silty to sh ss breaks. Top Lewis 2127.

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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