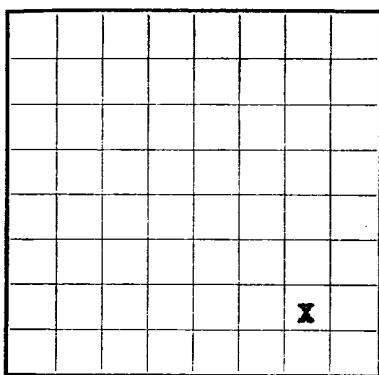




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Santa FeSERIAL NUMBER 077952 - A

LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 990, Farmington, New Mexico
Lessor or Tract Gordon Field Basin Dakota State New Mexico
Well No. 2-A Sec. 24 T. 27-N R. 10-W Meridian N.M.P.M. County San Juan
Location 1090 ft. N. of S Line and 990 ft. W. of E Line of Section 24 Elevation 6535
(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 Dr. J. H. OheimDate January 30, 1961Title Petroleum Engineer

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

Commenced drilling 11-30-, 19 60 Finished drilling 12-18-, 19 60

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 6736 to 6855 (G) No. 4, from 6855 to 7051 (G)
No. 2, from 6855 to 7051 (G) No. 5, from 7051 to 7051
No. 3, from 7051 to 7051 No. 6, from 7051 to 7051

IMPORTANT WATER SANDS

No. 1, from 6736 to 6855 No. 3, from 6855 to 7051
No. 2, from 6855 to 7051 No. 4, from 7051 to 7051

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"	32.40	8 RA.	2-40	80A	Revsco				surface
5 1/2"	17.1	8 RA.	2-55	703A	Revsco				prod casing
2"	4.7	8 RA.	2-55	6909					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"	317	300	circulated		
5 1/2"	7046	382	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 7051 feet, and from _____ feet to _____ feet

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

1-11, 19 61

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 2,518,000 Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 1819 A.O.F. 2768 MCF/D

EMPLOYEES

_____, Driller _____, Driller

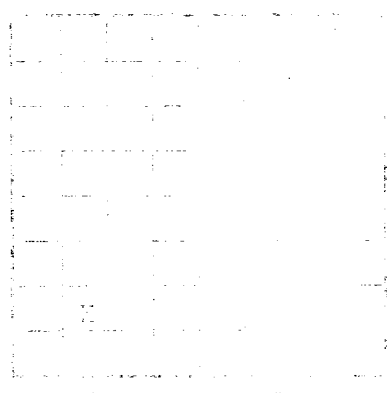
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1410	1410	Tan to gry cr-grn ss interbedded w/gry sh.
1410	1587	177	Ojo Alamo ss. White cr-grn s.
1587	2167	580	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2167	2380	213	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
2380	2420	40	Pictured Cliffs form Gry, fine-grn, tight, varicolored soft ss.
2420	3909	1489	Lewis form. Gry, fine-grn, dense sil ss.
3909	3997	88	Cliff House form. Gry, fine-grn, dense sil ss.
3997	4734	737	Menefee form. Gry, fine-grn, s, carb sh & coal.
4734	4842	108	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
4842	5872	1030	Mancos form. Gry carb sh.
5872	6431	559	Gallup form. Lt gry to brn calc carb micac glauco very fine gry ss w/irreg interbed sh.
6431	6682	251	Sanostee form. Drk gry calc very fine to fine gry ss w/calc veins w/irreg inter drk gry s.
6682	6736	54	Greenhorn form. Highly calc gry sh w/thin lmst.
6736	6855	119	Graneros form. Dk gry sh, fossil & carb w/prite incl.
6855	7051	196	Dakota form. Lt to dk gry foss carb sl calc sl silty ss w/prite st incl thin sh bands clay & shale breaks.

(OVER)

18-48094-4



UNITED STATES
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GEOLOGICAL SURVEY

[illegible]

FORMATION RECORD—Continued
