

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078097
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 Heston Field Blanco & Wildcat State New Mexico
Well No. 8 Sec. 30 T. 31N R. 11W Meridian NMPM County San Juan
Location 990 ft. S. of N. Line and 1650 ft. W. of E. Line of Section 30 Elevation 5920'
(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 S. SchulerDate June 14, 1956 Title Petroleum Engineer

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

Commenced drilling May 7, 1956 Finished drilling May 19, 1956

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2410 to 2518 (G) No. 4, from 4707 to 4848 (G)
No. 2, from 3951 to 4194 (G) No. 5, from _____ to _____
No. 3, from 4194 to 4707 (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	
10 3/4"	32.75#	P.E.	S.W.	161'	Howoo				Surface
7"	15.50#	8 RD	J-55	4625'	Howoo				Prod. Tbg.
5 1/2"	15.50#	8 RD	J-55	4625'	Howoo				Prod. Tbg.
2"	4.7#	8 RD	J-55	4625'	Howoo				Prod. Tbg.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	173'	150	Circulated		
7"	4625'	250	Single Stage		
5 1/2"	4525-4915	100	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

TOOLS USED

Gas Drilled

Rotary tools were used from 0 feet to 4625 feet, and from 4625 feet to 4915 feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____ 1956 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 A.O.F. 4156 MCF/D Gallons gasoline per 1,000 cu. ft. of gas _____
M.V. 6376 MCFRock pressure, lbs. per sq. in. SIFC - 650 (P.C.) Ch. Volume - P.C. 3585 MCF/D.
SIFT - 1005 (M.V.) M.V. 4231 MCF/D.

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	745	745	Tan to gry cr-grn ss interbedded w/gry sh.
745	830	85	Ojo Alamo ss. White cr-grn s.
830	2034	1204	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2034	2410	376	Fruitland form. Gry carb sh, scattered coals coals and gry, tight, fine-grn ss.
2410	2518	108	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
2518	3951	1433	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
3951	4194	243	Cliff House ss. Gry, fine-grn, dense sil ss.
4194	4707	513	Manefee form. Gry, fine-grn s, carb sh & coal.
4707	4848	141	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
4848	4915	67	Mancos formation. Gry carb sh.
FROM—	TO—	TOTAL FEET	FORMATION

FORMATION RECORD—Continued

[illegible]

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5-24-56 Point Lookout cleanout depth 4370'. 4706-4720, 4740-4778, w/4 BPF.
Water fractured with 43,020 gallons water & 41,900# sand. Flush 7980 gallons.
Injection rate avg. 31.2 bbls./min. Maximum and BPF 3000#, treating pressure
900#. Natural gas Point Lookout none. Gage 12 hours after frac 4260 MCF/D.
Hoses swing blew off. Sand-off.

5-24-56 Pictured Cliffs temp. plug 4550'. Perforated 2412-2425, 2436-2448 w/
4 SPF. Water fractured with 50,000 gallons water & 60,000# sand. BDF 900#,
maximum pressure 1050#. Average treating pressure 1050#. Injection rate 79.5
bbls./min. Flush 4200 gallons. Natural gas none. Csg 12 hours after frac
2800 MCF/D.

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1. The first step in the process of the investigation is the identification of the problem. This is done by the investigator who is assigned to the case. The investigator must first identify the problem and then determine the scope of the problem. This is done by the investigator who is assigned to the case. The investigator must first identify the problem and then determine the scope of the problem. This is done by the investigator who is assigned to the case. The investigator must first identify the problem and then determine the scope of the problem. This is done by the investigator who is assigned to the case.

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DEPARTMENT OF THE INTERIOR

UNITED STATES

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RECEIVED POLICE DEPARTMENT

ВЫДАНЕ ВЪЗРАЖЕНІЙ 17-31-22
ВЫДАНЕ ВЪЗРАЖЕНІЙ 10-35-11-3222