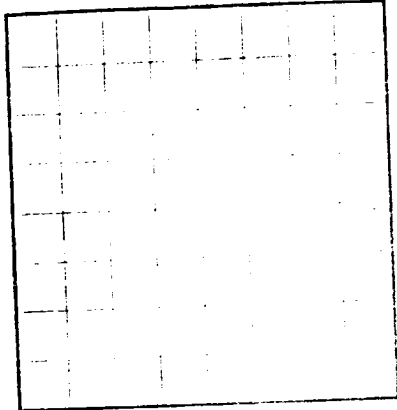


U.S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **077833-A**
LEASE OR PERMIT TO PROSPECT



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 990, Farmington, New Mexico**
Lessor or Tract **Mansfield** Field **Blanco Pictured Cliffs New Mexico**
Well No. **7** Sec. **29** T. **30N** R. **9W** Meridian **N.M.P.M.** County **San Juan**
Location **1700** ft. **N** of **8** Line and **1610** ft. **E** of **W** Line of **Section 29** Elevation **6037**

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 **W. H. McManally**
Title **Petroleum Engineer**

Date **October 5, 1962**

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

Commenced drilling **8-17-** 19 **62** Finished drilling **8-21-** 19 **62**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)
No. 1, from **2657** to **2720 (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 _____ 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	
8 5/8"	24	8 rd	J-55	299	Howco				Surface
2 7/8"	6.4	8 rd	J-55	2780	Baker				Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8"	313	160	circulated		
2 7/8"	2700	170	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
2660-2666; 2694-2700; Water frac Pictured Cliffs w/30,750 gallons water (1% calcium chloride, 7 1/2 J-92/1000 gallons) and 31,000# sand. Flush w/1660 gallons water. I.R. 18.8 BPM. Max pr 4000#, BOP 2800#, tr pr 2600-4000#. Dropped 1 set of 12 balls.						

TOOLS USED

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

DATES

9-13 19 **62** Put to producing _____, 19 _____
The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, _____.
If gas well, cu. ft. per 24 hours **1,261,000** Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. **1,015 csg.** A.O.F. **1279 MCF/D**

EMPLOYEES

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

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
0	1397	1397	Tan to gry cr-grn ss interbedded w/gry sh.
1397	1554	157	Ojo Alamo SS. White cr-grn s.
1554	2359	809	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2359	2657	298	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
2657	2720	63	Pictured Cliffs forms. Gry, fine-grn, tight, varicolored soft ss.
2720	2790	70	Lewis form. Gry, fine-grn dense sil ss.