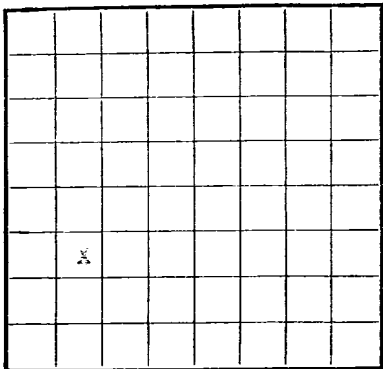


Form 9-830

U. S. LAND OFFICE New Mexico  
SERIAL NUMBER 03502  
LEASE OR PERMIT TO PROSPECT 14-00-001-1051

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico  
Lessor or Tract San Juan 28-0 Unit Field Blanco State New Mexico  
Well No. 23 Sec. 0 T. 27 R. 34 Meridian NM County Rio Arriba  
Location 1000 ft. [N.] of 0 Line and 950 ft. [E.] of 0 Line of Section 0 Elevation 6233  
(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 October 24, 1950 Title Petroleum engineer

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

Commenced drilling 9-12-50, 1950 Finished drilling 9-23-50, 1950

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2049 to 2919 (G) No. 4, from 5051 to 5215 (G)  
No. 2, from 4512 to 4645 (G) No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from 4645 to 5051 (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	From—To—		Purpose
10 3/4"	32.75	P. E.	S. W.	163'	Howco				Surface
7 5/8"	25.4	8 RD	J-55	3034'	Howco				Intermediate
5 1/2"	15.5	8 RD	J-55	5283'	Howco				Prod. Csg.
2 1/2"	4.7	8 RD	J-55	5144'	Howco				Prod. Tub.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	175'	150	Circulated		
7 5/8"	3040'	250	Single Stage		
5 1/2"	5273'	300	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 \_\_\_\_\_ feet to 3050 feet, and from 3050 feet to 5270 feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

DATES

9-30-50, 1950 Put to producing \_\_\_\_\_, 1950

The production for the first 24 hours was \_\_\_\_\_ barrels of fluid of which \_\_\_\_\_% was oil; \_\_\_\_\_% emulsion; \_\_\_\_\_% water; and \_\_\_\_\_% sediment. Gravity, °Bé. \_\_\_\_\_  
A.O.F. - 7,423 MCF D.

If gas well, cu. ft. per 24 hours 4,571,000 Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

Rock pressure, lbs. per sq. in. 1092

EMPLOYEES

\_\_\_\_\_, Driller \_\_\_\_\_, Driller  
\_\_\_\_\_, Driller \_\_\_\_\_, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2095	2095	Tan to gry cr-grn ss interbedded w/gry sh.
2095	2254	159	Ojo Alamo ss. White cr-grn s.
2254	2636	384	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2636	2849	211	Fruitland form. Gry carb sh, scattered coals coals and gry, tight, fine-grn ss.
2849	2919	70	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
2919	4512	1593	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
4512	4645	133	Cliff House ss. Gry, fine-grn, dense sil ss.
4645	5051	406	Manefee form. Gry, fine-grn s, carb sh & coal.
5051	5215	164	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5215	5270	63	Mancos formation. Gry carb sh.

(OVER)

