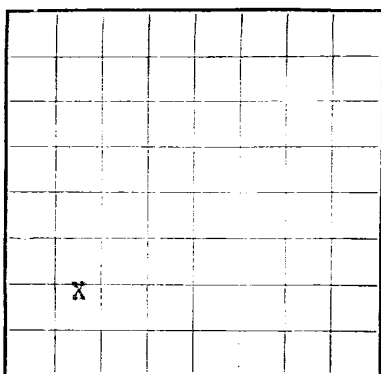


Santa Fe

U. S. LAND OFFICE 079049-c  
SERIAL NUMBER  
LEASE OR PERMIT TO PROSPECT 14-03-001-1051



LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico  
Lessor or Tract San Juan 20-6 Unit Field Blanco State New Mexico  
Well No. 23 Sec. 9 T. 27N R. 6W Meridian NMPM County Rio Arriba  
Location 1090 ft. N of 3 Line and 1100 ft. E of W Line of Section 9 Elevation 6486  
(Elevation 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.

Date June 9, 1955 Signed D. J. Juelich Title Petroleum Engineer

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

Commenced drilling April 13, 1955 Finished drilling April 28, 1955

OIL OR GAS SANDS OR ZONES

(Denote gas by G)  
No. 1, from 3033 to 3205 (G) No. 4, from 5330 to 5465 (G)  
No. 2, from 4778 to 4913 (G) No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from 4913 to 5330 (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—	
9 5/8	25.4	P.E.	S.W.	160'	Howco				Surface
7	20	3 RD	J-55	3655'	Baker				Prod. Cng.
2	4.7	3 RD	J-55	5462'					Prod. Tub.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8	172'	125	Circulated		
7	4740'	500	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 4740 feet, and from 4740 feet to 5500 feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

DATES

April 31, 1955 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 3,132,000 Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_  
Rock pressure, lbs. per sq. in. 1096

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1410	1410	Tan cr-grn ss w/thin sh breaks.
1410	1910	500	Variegated sh w/thin ss breaks.
1910	2500	590	Tan to gry cr-grn ss interbedded w/gry sh.
2500	2555	55	Ojo Alamo ss. White cr-grn s.
2555	3878	323	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2878	3033	155	Fruitland form. Gry carb sh, scattered coals coals and gry, tight, fine-grn ss.
3033	3205	172	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
3205	4778	1573	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
4778	4913	135	Cliff House ss. Gry, fine-grn, dense sil ss.
4913	5330	417	Menefee form. Gry, fine-grn s, carb sh & coal.
5330	5465	135	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5465	5500 T.D.	35	Mancos formation. Gry carb sh.



FOLD MARK

