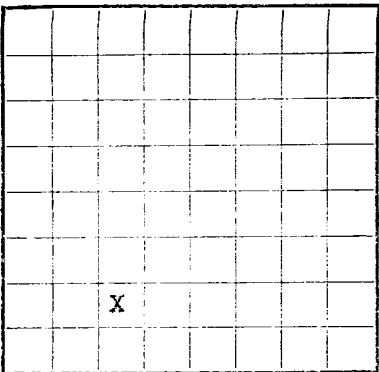




LOCATE WELL CORRECTLY

U. S. LAND OFFICE New Mexico
SERIAL NUMBER 03583
LEASE OR PERMIT TO PROSPECT 14-00-001-1051

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 28-6 Unit Field Blanco State New Mexico
Well No. 54 Sec. 7 T. 27N R. 3W Meridian NMPM County Rio Arriba
Location 1925 ft. N of 1/4 Line and 1313 ft. E of 1/4 Line of Section 7 Elevation 5573'
(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 June 15, 1956 Title Petroleum Engineer

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

Commenced drilling May 5, 1956 Finished drilling May 17, 1956

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 3162 to 3224 (G) No. 4, from 5377 to 5563 (G)
No. 2, from 4850 to 4939 (G) No. 5, from _____ to _____
No. 3, from 4939 to 5377 (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.S.	S.A.	161'	Hwyco				Surface
7 5/8	26.4	B.F.D.	J-55	3252'	Baker				Intermediate
5 1/2	15.50	B.F.D.	J-55	5300'	Baker				Prod. Csg.
2"	4.7	C.F.D.	J-55	5510'					Prod. Csg.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	174'	150	Circulated		
7 5/8"	3252'	250	Single Stage		
5 1/2"	500'	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 3252 feet, and from 3252 feet to 5600 feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

5-23-56, 19____ Put to producing _____, 19____

The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment.

If gas well, cu. ft. per 24 hours 10,753,000 Gravity, °Bé. 53.31 A.C.F. Ch. Volume 100 MCF/D.
Rock pressure, lbs. per sq. in. 1063 Gallons gasoline per 1,000 cu. ft. of gas _____

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2500	2500	Tan to gry cr-grn ss inter bedded w/gry sh.
2500	2556	56	Ojo Alamo ss. White cr-grn s.
2556	2935	379	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2935	3162	227	Fruitland form. Gry carb sh, scattered coals coals and gry, tight, fine-grn ss.
3162	3224	62	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
3224	4850	1626	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
4850	4939	89	Cliff House ss. Gry, fine-grn, dense sil ss.
4939	5377	438	Menefee form. Gry, fine-grn s, carb sh & coal.
5377	5563	186	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5563	5600 T.D.	37	Mancos formation. Gry carb sh.

[illegible]

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

Cliff House 3-21-50. L.P. at 5000'. Per. 4880-4890, 4910-4922. Fractured with 9,000 allens water and 54,500# sand. Flushed with 5000 allens. Injection rate 41 1/2 bbls./min. BDP 1950#, maximum pressure 2500#, average treating pressure 2300#.

WOUND OF THE HEAD

14. $E = 12.7 \text{ eV}$, $\lambda = 9.7 \times 10^{-8} \text{ m}$

THE UNIVERSITY OF CHICAGO

Journal of Management Inquiry 22(1) 3-17