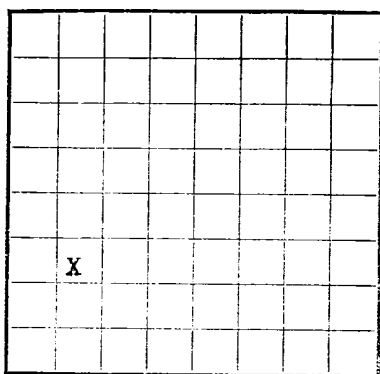




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Santa FeSERIAL NUMBER 070417

LEASE OR PERMIT TO PROSPECT

14-08-001-459

UNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY MAY 2 1956

U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico
Lessor or Tract San Juan 28-7 Unit Field Blanco State New Mexico
Well No. 46 Sec. 21 T. 28N R. 7W Meridian NMPM County Rio Arriba
Location 1600 ft. [N.] of S. Line and 800 ft. [E.] of W. Line of Section 21 Elevation 6006'
(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

Date April 30, 1956Title Petroleum Engineer

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

Commenced drilling March 17, 1956 Finished drilling March 27, 1956

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2632 to 2636 (G) No. 4, from 4818 to 4994 (G)
No. 2, from 4255 to 4402 (G) No. 5, from _____ to _____
No. 3, from 4402 to 4818 (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.	162'	Howco				Surface
7"	20#	8 RD	J-55	2795'	Baker				Intermediate
5-1/2"	19.5#	8 RD	J-55	5065'	Baker				Production
2"	4.7#	8 RD	J-55	1903'	Baker				Production

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"	2795'	250	Single stage		
5-1/2"	5065'	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

Gas Drilled

Rotary tools were used from 0 feet to 2795 feet, and from 2795 feet to 5065 feet

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

DATES

_____ April 7, 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 10,216,000 Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 1927 5020 MCF (3m)

EMPLOYEES

_____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1778	1778	Tan to gry cr-grn ss interbedded w/gry sh.
1778	1875	97	Ojo Alamo ss. White cr-grn s.
1875	2394	519	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2394	2632	238	Fruitland form. Gry carb sh, scattered coals coals and gry, tight, fine-grn ss.
2632	2636	54	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
2636	4255	1569	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
4255	4402	147	Cliff House ss. Gry, fine-grn, dense sil ss.
4402	4818	416	Manefee form. Gry, fine-grn s, carb sh & coal.
4818	4994	176	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
4994	5065	71	Mancos formation. Gry carb sh.

[OVER]

16-42094-3

