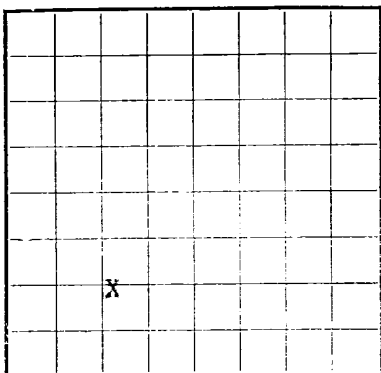




LOCATE WELL CORRECTLY

Santa Fe
U. S. LAND OFFICE
SERIAL NUMBER 000430
LEASE OR PERMIT TO PROSPECT
14-08-001-1051UNITED 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 25-6 Unit Field Blanco State New Mexico
Well No. 12 Sec. 1 T. 20N R. 6W Meridian NMPM County Hidalgo
Location 990 ft. N of S Line and 1650 ft. E of W Line of Section 7 Elevation 5724'
(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 Well U. U. U. U. U. Title Petroleum Engineer
Date October 19, 1954

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

Commenced drilling Aug. 15, 1954 Finished drilling Sept. 8, 1954

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3603 to 3600 (G) No. 4, from 5762 to 5879 (G)
No. 2, from 5258 to 5440 (G) No. 5, from _____ to _____
No. 3, from 5440 to 5762 (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—	
5 5/8	25.4	3	Armco	160	Armco				Surface
7	23	4	Foreign	5190	Baker				Production
2	4.7	3	Youngstown	13518					Prod. Log.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
5 5/8	170	125	Circulated		
7	5200	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

Gas Drilling

Rotary tools were used from _____ feet to 5200 feet, and from 5200 feet to 5945 feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

September 19, 1954 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 2,953,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 239

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	570	570	Tan cr-grn ss w/thin sh breaks.
570	1701	1131	Variegated sh w/thin ss breaks.
1701	2709	1008	Tan to gry cr-grn ss interbedded w/gry sh.
2709	2876	167	Ojo Alamo ss. white cr grn ss. Top 2709'.
2876	3368	492	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss. Top 2876'.
3368	3603	235	Fruitland form. Gry carb sh, scattered coals coals & gry, tight, fine-grn ss. Top 3368'.
3603	3600	77	Pictured Cliffs formation. Gry, fine-grn, tight, varicolored soft ss. Top 3603'.
3600	5258	1570	Lewis form. Gry to white dense sh w/silty to shaly ss breaks. Top 3600'.
5258	5440	182	Cliff House ss. Gry, fine-grn, dense sil ss. Top 5258'.
5440	5762	322	Menefee form. Gry, fine-grn s, carb sh and coal. Top 5440'.
5762	5879	117	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks. Top 5762'.
5879	5945	66	Mancos formation. Gry carb sh. Top 5879'.

[OVER]

16-43094-3

[illegible]

9-5-54, Total Depth 5440', Interval treated 5200' - 5440'.
Set Baker retainer at 5125' and treated Cliff House formation with 15,020 gallons
diesel oil and 10,400# sand. Breakdown pressure 1000, maximum pressure 1204',
Injection rate 7.1 barrels per minute. Flushed with 3,612 gallons oil. Natural
Gage 255 MCF. Gage 4 hours after well unloaded 2,300 MCF.