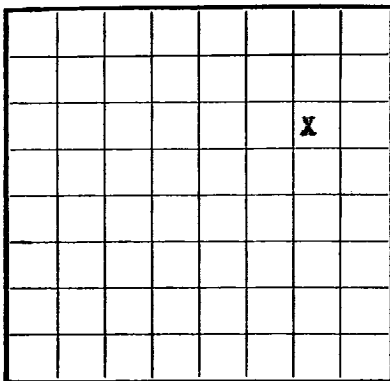


Santa Fe
U. S. LAND OFFICE
SERIAL NUMBER 012573
LEASE OR PERMIT TO PROSPECT
14-08-001-538

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, N.M.
Lessor or Tract Howell Field Blanco State New Mexico
Well No. 3-H Sec. 12 T. 30N R. 7W Meridian NMPM County Rio Arriba
Location 1600 ft. 1000 of N Line and 890 ft. 1000 of E Line of Section 12 Elevation 6347
(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 Lawell M. W. W. W. W. W.
Title Petroleum EngineerDate October 22, 1956

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

Commenced drilling 8-30-56, 1956 Finished drilling 9-23-56, 1956

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3310 to 3403 (G) No. 4, from 5501 to 5692 (G)
No. 2, from 5171 to 5203 (G) No. 5, from _____
No. 3, from 5203 to 5501 (G) No. 6, from _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____
No. 2, from _____ to _____ No. 4, from _____

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.S.	S.W.	163'	House				Surface
7 5/8	26.4	8.0	J-55	3420'	House				Intermediate
5 1/2	25.6	8.0	J-55	175'	House				Production
2 1/2	14.7	8.0	J-55	175'	House				Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4	173'	125	Circulated		
7 5/8	3420'	250	Single Stage		
5 1/2	5742'	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 175 feet to 3420 feet, and from 3420 feet to 5742 feet
Cable tools were used from 0 feet to 175 feet, and from _____ feet to _____ feet

DATES

9-30-56, 1956 Put to producing _____, 1956

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 5,178,000 A.O.F. - 12,003 MCF D.
Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 1056

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2235	2235	Tan to gry cr-grn ss interbedded w/gry sh.
2235	2429	194	Ojo Alamo ss. White cr-grn s.
2429	2981	552	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2981	3310	329	Fruitland form. Gry carb sh, scattered coals coals and gry, tight, fine-grn ss.
3310	3403	93	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
3403	5171	1768	Lewis formation. Gry to white dense sh w silty to shaly ss breaks.
5171	5203	32	Cliff House ss. Gry, fine-grn, dense sil ss.
5203	5501	298	Menefee form. Gry, fine-grn s, carb sh & coal.
5501	5652	151	Point Lookout form. Gry, very fine sil ss w, frequent sh breaks.

