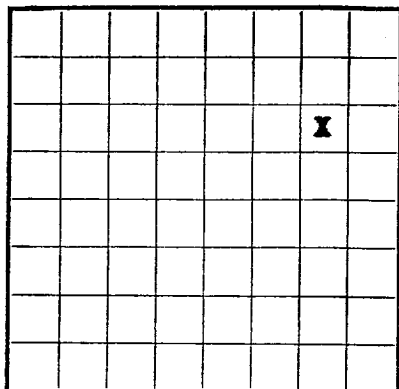


U. S. LAND OFFICE Santa FeSERIAL NUMBER 078194

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES RECEIVED
DEPARTMENT OF THE INTERIOR
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 Ludwick Field Blanco State New Mexico
Well No. 8 Sec. 31 T. 30N R. 10W Meridian NMPM County San Juan
Location 1650 ft. 0000 of N Line and 968 ft. 0000 of E Line of Section 31 Elevation 6011 ft.
(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 W. F. CourtDate July 24, 1956Title Petroleum Engineer

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

Commenced drilling May 24, 1956 Finished drilling June 24, 1956

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2404 to 2490 (G) No. 4, from 4714 to 4948 (G)No. 2, from 4042 to 4216 (G) No. 5, from 4714 to 4948 (G)No. 3, from 4216 to 4714 (G) No. 6, from 4714 to 4948 (G)

IMPORTANT WATER SANDS

No. 1, from 2404 to 2490 (G) No. 3, from 4216 to 4714 (G)No. 2, from 4042 to 4216 (G) No. 4, from 4714 to 4948 (G)

CASING RECORD

Size casing	Weight lbs. per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	From—	To—	Purpose
10 3/4"	32.75	P.E.	S.W.	163'	Howco				Surface
7 5/8"	24.4	P.E.	S.W.	150'	Howco				Surface
5 1/2"	18.7	P.E.	S.W.	125'	Howco				Surface
2"	4.7	P.E.	S.W.	125'	Howco				Surface

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	174'	300	Circulated		
7 5/8"	4328'	350	1st. Stage		
		150	2nd. Stage		
5 1/2"	4252-5007'	125	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

TOOLS USED

Rotary tools were used from 165 feet to 4330 feet, and from 4330 feet to 5007 feetCable tools were used from 0 feet to 165 feet, and from _____ feet to _____ feet

DATES

_____ 6-30-56 _____, 19____ Put to producing _____, 19____

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

If gas well, cu. ft. per 24 hours 5,314,000 Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 973

EMPLOYEES

_____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1107	1107	Tan to gry cr-grn ss interbedded w/gry sh.
1107	1220	113	Ojo Alamo ss. White cr-grn s.
1220	2010	790	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2010	2404	394	Fruitland form. Gry carb sh, scattered coals coals and gry, tight, fine-grn ss.
2404	2490	86	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
2490	4042	1552	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
4042	4216	174	Cliff House ss. Gry, fine-grn, dense sil ss.
4216	4714	498	Mancos form. Gry, fine-grn s, carb sh & coal.
4714	4948	234	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
4948	5007	59	Mancos formation. Gry carb sh.

