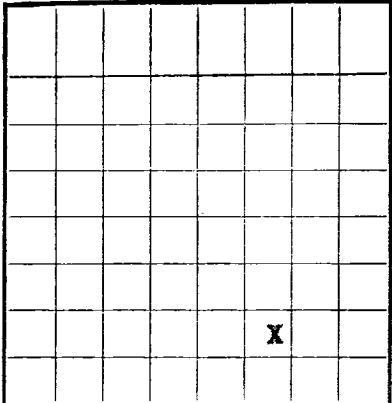


U. S. LAND OFFICE Santa Fe

SERIAL NUMBER 077231

LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 990, Farmington, New Mexico
Lessor or Tract Shaw Field Blanco La Plata State New Mexico
Well No. 1 Sec. 13 T. 20-N R. 9-W Meridian N.M.P.M. County San Juan
Location 990 ft. N. of S. Line and 1750 ft. E. of E. Line of Section 13 Elevation 5811
(Derriek 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 ORIGINAL SIGNED A.W. SMITH

Date September 14, 1961 Title Petroleum Engineer

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

Commenced drilling 3-31, 19 52 Finished drilling 5-7-, 19 52

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4242 to 4415 (G) No. 4, from _____ to _____
No. 2, from 4775 to 4852 (G) No. 5, from _____ to _____
No. 3, from _____ to _____ 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"	36	8-11-10	H-40	151	HOCO				Surface
5 1/2"	19	8-11-10	J-55	4143	HOCO				Prod
2 3/8"	4.7	8-11-10	J-55	4072					Prod tubing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8"	167	125	circulated		
5 1/2"	4156	300	single		

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
4856-4893;	1st hole 1385	qts 4311-4951, Nat. gage	181 MCF.	6 hours after 1050 MCF.		
	2nd hole, 2 nd	3368 536° S, 1720 qts	4280-4967, Natural gage	813 MCF.		

TOOLS USED

Rotary tools were used from 0 feet to 4153 feet, and from 4153 Gas Drilled 4951 feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

May 27, _____, 19 52 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 2,630,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 1022

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1378	1378	Tan to gry cr-grn ss interbedded w/gry sh.
1378	1497	119	Ojo Alamo ss. White cr-grn s.
1497	2190	693	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2190	2580	390	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
2580	4242	1662	Pictured Cliffs forms. Gry, fine-grn, tight, varicolored soft ss.
4242	4415	173	Cliff House ss. Gry, fine-grn, dense sil ss.
4415	4967	572	Menefee form. Gry, fine-grn s, carb sh & coal.

Electric profile of current flows obtained for a survey in study for cathodic protection

