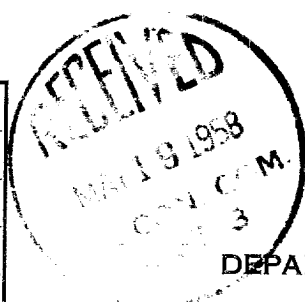
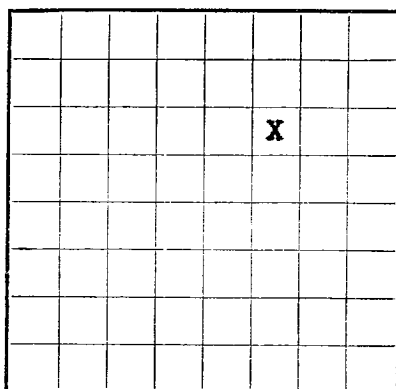


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 080669
LEASE OR PERMIT TO PROSPECT _____



3 UNITED 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 27-4 Unit Field Blanco-Wildcat P.C. State New Mexico
Well No. 13(PM) Sec. 20 T. 27N R. 4W Meridian N.M.P.M. County Rio Arriba
Location 1800 ft. ~~XXX~~ of N Line and 1500 ft. ~~XXX~~ of E Line of Section 20 Elevation 6759
(Ditch for water)

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 R. G. MILLER

Date May 13, 1958 Title Petroleum Engineer

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

Commenced drilling ----- **11-25-** 19**57** Finished drilling ----- **12-12-** 19**57**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3615 to 3710 (G) No. 4, from 5780 to 5908 (G)
No. 2, from 5305 to 5459 (G) No. 5, from _____ to _____
No. 3, from 5459 to 5780 (G) No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____

No. 2, from _____ to _____

No. 3, 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—	
10 3/4"	32.75	P.E.	S.W.	160'	Hewco				Surface
7 5/8"	26.40	8 Rd.	J-55	3783'	Baker				Prod. casg.
5 1/2"	15.50	8 Rd.	J-55	2231'	Baker				Prod. liner
2"	4.7	8 Rd.	J-55	5896'					Prod. tbg.
1 1/4"	2.4	8 Rd.	Grade "A"	3660'					Siphon

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	172'	150	circulated		
7 5/8"	3793'	250	single stage		
5 1/2"	3735-5972'	300	single stage		

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set

Adapters—Material..... Size **Baker "EJ" Pr. @ 3760'**

SHOOTING RECORD

[illegible]

TOOLS USED

Rotary tools were used from -----0----- feet to -----3793----- feet, and from -----3793----- feet to -----5975----- feet.

Cable tools were used from ----- feet to ----- feet, and from ----- feet to ----- feet.

DATES

-----1-9-----, 19-58 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 P.C. 1,965,000 Gallons gasoline per 1 000 cu. ft. of gas

Rock pressure, lbs. per sq. in. 1106 A.C.F. P.C. 2040 10/12

A.U.F. M.V. 7770 RCF/D

EMPLOYEES		DOLL	
Driller		Doll	

Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	3110	3110	Tan to gry cr-grn ss interbedded /wgry sh.
3110	3191	81	Ojo Alamo ss. White cr-grn s.
3191	3404	213	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
3404	3615	211	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3615	3710	95	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
3710	5305	1595	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
5305	5459	154	Cliff House ss. Gry, fine-grn, dense sil ss.
5459	5780	321	Menefee form. Gry, fine-grn s, carb sh & coal.
5780	5908	128	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5908	5975	67	Mancos formation. Gry carb sh.

FROM-	TO-	TOTAL FEET	FORMATION
-------	-----	------------	-----------

-OL-

LETTER TO THE EDITOR

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE 16-48094-2

12-15-57
 Part. P.T. 5760-5800; 5815-5140; 5891-5086; 5870-5000; 5890-5906;
 5924-5934 v/2 D/I/t. Flushed w/40,500 gal. water & 60,000# sand.
 Flushed w/10,500 gal. water. I.R. 674 B.P.M. Dropped 18 balls 9
 times. Max. 1700#, HD none, tr. 1450 gal all stages. Set BBS70
 Part. C.H. 5406-5412; 5426-5441; 5526-5546 w/2 D/I/t. Flac. w/40
 gal. water & 40,000# sand. Flushed w/10,500 gal. water. I.R. 62.5
 Dropped 18 balls 4 times. Max. 1600#, HD none, tr. 1450# all sta.
 Set BP @ 5300#. Part. P.C. 3636-3664 w/2 D/I/t. Track w/23,000
 water and 27,000# sand. Flushed w/1000 gal. water. I.R. 52.5 B.P.M.
 Max. 1500#, HD 1500#, tr. 1300#. No balls.