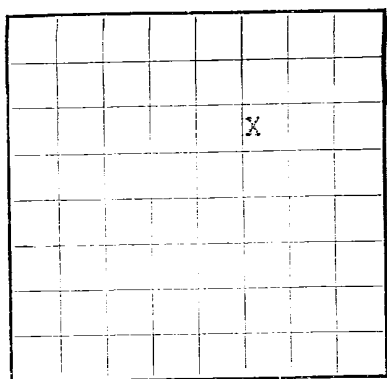


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 079319
LEASE OR PERMIT TO PROSPECT _____



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, New Mexico
Lessor or Tract Schwerdtfeger Field Blanco Rd. & So. Blanco P.C. State New Mexico
Well No. 11-A(PM) Sec. 1 T. 27N R. 3W Meridian N.M.P.M. County San Juan
Location 1710 ft. XXX of E Line and 1601 ft. XX of E Line of Section 5 Elevation 5472
(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.

Date June 16, 1958 Title Petroleum Engineer

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

Commenced drilling ----- 1-19- -----, 1958 Finished drilling ----- 2-5- -----, 1958

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 2653 to 2750 (c) No. 4, from 4921 to 5090 (c)
 No. 2, from 4310 to 4882 (c) No. 5, from _____ to _____
 No. 3, from 4882 to 4921 (c) 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	2 P.	S.W.	161'	Howoo				Surface
7 5/8"	26.40	8 Rd.	J-55	4787'	Baker				Prod. csg.
5 1/2"	15.50	8 Rd.	J-55	417'	Baker				Prod. liner
2"	4.7	8 Rd.	J-55	5068'					Prod. tbg.
1 1/4"	2.4	8 Rd.	Grade A	2698'					Siphon

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4	173	150	circulated		
7 5/8	4799	350	Two stages (1st stage 250 sks; 2nd stage 100 sks.)		
5 1/2	2724-5147	100	Single stage		

PLUGS AND ADAPTERS

Heaving plug—Material ----- Length ----- Depth set -----

Adapters—Material..... Size Baker "EGJ" Pr. @ 4740.

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
See Well History						

TOOLS USED

TOOLS USED

Rotary tools were used from -----175----- feet to -----4300----- feet, and from -----4300----- feet to -----5143----- feet

Cable tools were used from -----0----- feet to -----175----- feet, and from ----- feet to ----- feet

217 DATES

2-11, 1958 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. 4,499,000 Gallons gasoline per 1,000 cu. ft. of gas _____

If gas well, cu. ft. per 24 hours $\frac{P.C. \ 4,499,000}{M.B. \ 1,022,000}$ Gallons gasoline per 1,000 cu. ft. of gas -----

Rock pressure, lbs. per sq. in. 1036 M.V. 4,022,000 P.C. 5465 A.O.F.--M.V. 5989 MCF/D

EMPLOYEES

_____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM--	TO--	TOTAL FEET	FORMATION
0	1735	1735	Tan to gry cr-grn ss interbedded w/gry sh.
1735	1800	65	Ojo Alamo ss. White cr-grn s.
1800	2430	630	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2430	2668	238	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
2668	2760	92	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
2760	4310	1550	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
4310	4882	572	Cliff House ss. Gry, fine-grn, dense sil ss.
4882	4921	39	Manefee form. Gry, fine-grn s, carb sh & coal.
4921	5090	169	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5090	5143	53	Mancos formation. Gry carb sh.

FORMATION RECORD—Continued

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

HISTORY OF OIL OR GAS WELL

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

2-10-58 COLD 5125. Water traced P.L. perf. Int. 4996-4996; 5008-5016; 5044-5054; 5086-5096; 5108-5116 w/2 sh/ft. w/52,500 gal. water, 60,000# sand. BDP 1000 psi. M.P. 3500 psi. avg. tr. pr. 1100-1400-2500-3500 psi. I.R. 48 BPM. Flush 10,100 gal. Dropped 2 sets of 25 balls each.

2-10-58 Set Temporary bridge plug at 4950. Water traced P.C. perf. Int. 2670-2694; 2700-2712 (2 shots/ft.) w/44,000 gal. water, 40,000# sand. BDP 1100 psi, max. pr. 1500 psi. avg. tr. pr. 1100-1500-psi. I.R. 68 BPM. Flush 5500 gal. water. Dropped one set of 25 balls.