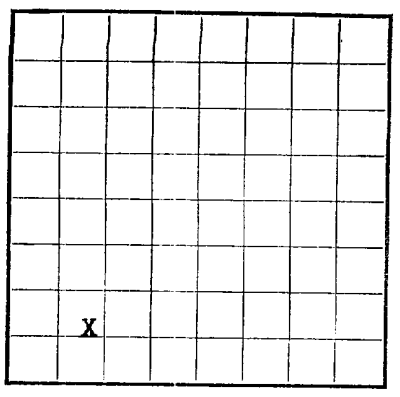
Form 9-330

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 079250
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 San Juan 28-5 Unit Field Blanco State New Mexico
Well No. 18 Sec. 11 T. 28N R. 5W Meridian N.M.P.M. County Rio Arriba
Location 815 ft. {N.} of S Line and 835 ft. {E.} of W Line of Section 11 Elevation 6981'
(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 Original Signed D. C. Johnston

Date October 10, 1957 Title Petroleum Engineer

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

Commenced drilling 6-29, 1957 Finished drilling 7-16, 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3910 to 4000 (G) No. 4, from 6093 to 6280 (G)
No. 2, from 5756 to 5788 (G) No. 5, from to
No. 3, from 5788 to 6093 (G) No. 6, from to

IMPORTANT WATER SANDS

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

RECEIVED
OCT 21 1957
OIL CON. COM.
DIST. 3

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From—	Perforated To—	Purpose
10 3/4"	32.75	P. E.	S. W.	161'	Howco				Surface
7 5/8"	26.4	8 Rd.	J-55	4045'	Baker				Intermediate
5 1/2"	15.5	8 Rd.	J-55	6316'	Baker				Prod. Csg.
2"	4.7	8 Rd.	J-55	6219'					Prod. Tubing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	174'	150	Circulated		
7 5/8"	4055'	250	Single Stage		
5 1/2"	6326'	300	Single Stage		

FOLD | MARK

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

Rotary tools were used from 0 feet to 4055 feet, and from 4055 feet to 6330 feet (Gas Drilled)
Cable tools were used from feet to feet, and from feet to feet

DATES

7-24, 1957 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 A.O.F. = 5945 MCF/D 3,811,000 Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. 1120

EMPLOYEES

, Driller , Driller
, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	3165	3165	Tan to gry cr-grn ss interbedded w/gry sh.
3165	3383	218	Ojo Alamo ss. White cr-grn s.
3383	3714	331	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
3714	3910	196	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3910	4000	90	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
4000	5756	1756	Lewis formation. Gry to white dense sh w/silty t to shaly ss breaks.
5756	5788	32	Cliff House ss. Gry, fine-grn, dense sil ss.
5788	6093	305	Menefee form. Gry, fine-grn s, carb sh & coal.
6093	6280	187	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
6280	6330	50	Mancos formation. Gry carb sh.

[OVER]

16—43094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

16—43094-2 U. S. GOVERNMENT PRINTING OFFICE

HISTORY OF OIL OR GAS WELL

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.

7-19-57 C.O.T.D. 6255. Perf. w/2DJ/ft. Int. 5768-88; 6134-46; 6150-61; 6166-82; 6214-42. Water frac. P. L. & Menefee w/64,000 gal. water, 58,000# sand. IR 47.6 BPM. BD pr. - none, avg. tr. pr. 2250, max. tr. pr. 3750. Dropped 16 balls 5 times every 12,000 gal. fluid. Sanded off. Refraced.

7-20-57 Refraced w/44,000 gal. water and 60,000# sand. Flushed w/10,000 gal. water. BD pr. - none, max. tr. pr. 2400#, avg. tr. pr. 1800#. Used no balls.