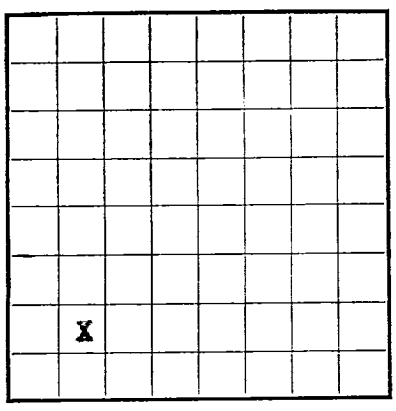
Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

Form 9-330

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078504
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 32-9 Unit Field Blanco State New Mexico
Well No. 69 Sec. 13 T. 32N R. 10W Meridian N.M.P.M. County San Juan
Location 990 ft. [N.] of S Line and 1030 ft. [E.] of W Line of Section 13 Elevation 6810'
(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 C. D. COX
Date July 8, 1959 Title Petroleum Engineer

The summary on this page is for the condition of the well at above date.
Commenced drilling 4-10, 1959 Finished drilling 6-8, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3587 to 3739 (G) No. 4, from 5902 to 6117 (G)
No. 2, from 5470 to 5590 (G) No. 5, from to
No. 3, from 5590 to 5902 (G) 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 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	3843'	Baker				Intermediate
5 1/2	15.5	8 Rd.	J-55	6135'	Baker				Prod. Liner
2"	4.7	8 Rd.	J-55	6015					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"	171'	166	Circulated		
7 5/8	3853'	200	Single Stage		
5 1/2	3810-6145	450	Single Stage & Squeeze		

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 175 feet to 3853 feet, and from 3853 feet to 6151 feet
Cable tools were used from 0 feet to 175 feet, and from feet to feet

Gas Drilled

DATES

6-18, 1959 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 2,308,000 Gallons gasoline per 1,000 cu. ft. of gas
Rock pressure, lbs. per sq. in. 976 A.O.F. = 2927 MCF/D

EMPLOYEES

, Driller , Driller
, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0			T n to gry cr-grn ss interbedded w/gry sh.
Undev.	2917	2917	Ojo Alamo ss. White cr-grn s..
2917	3241	324	Kirtland form. Gry sh interbedded w/tight gry fine gry fine-grn ss.
3241	3587	346	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3587	3739	152	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
3739	5470	1731	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
5470	5590	120	Cliff House ss. Gry, fine-grn, dense sil ss.
5590	5902	312	Menefee form. Gry, fine-grn s, carb sh & coal.
5902	6117	215	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
6117	6151	34	Mancos formation. Gry carb sh.

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.

6-15-59 Total Depth 6151'. C.O.T.D. 6059'. Water frac. Menefee perf. int. 5812-5822; 5830-5840 & Point Lookout perf. int. 5908-5914; 5932-5942; 5958-5964; 5972-5978; 6030-6038 (2 SPF) w/83,850 gallons water and 60,000# sand. BDP 3200#, max. pr. 3200#, avg. tr. pr. 850-1100-1200-1050-1200-1300#. I.R. 76.1 BPM. Flush 10,836 gallons. Injected 5 sets of 15 balls each.

RECEIVED