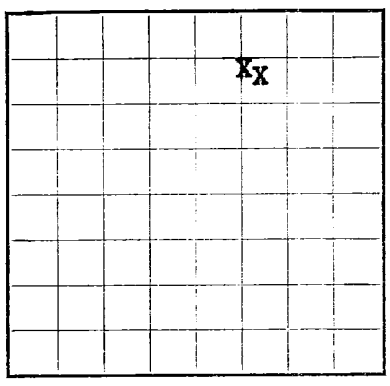
Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

Form 9-330

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. 29 Sec. 18 T. 28N R. 5W Meridian N.M.P.M. County Rio Arriba
Location 950 ft. [N.] of N Line and 1750 ft. [W.] of E Line of Sec. 18 Elevation 6704 (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 O. C. Johnston
Date March 31, 1958 Title Petroleum Engineer

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

Commenced drilling 2-19-, 1958 Finished drilling 3-2-, 1958

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 3587 to 3688 (G) No. 4, from 5728 to 5894 (G)
No. 2, from 5375 to 5463 (G) No. 5, from to
No. 3, from 5463 to 5728 (G) No. 6, from to

RECEIVED APR 4 1958 OIL CON. COM. DIST. 3

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.	162'	Howco				Surface
7 5/8"	26.40	8 Rd.	J-55	3752'	Baker				Intermediate
5 1/2"	15.50	8 Rd.	J-55	2251'	Baker				Prod. liner
2"	4.7	8 Rd.	J-55	5850'					Prod. tbg.

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"	3763'	150	single stage		
5 1/2"	3686-5937'	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

Gas Drilled

Rotary tools were used from 0 feet to 3765 feet, and from 3765 feet to 5951 feet
Cable tools were used from feet to feet, and from feet to feet

DATES

3-8-, 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 5,810,000 Gallons gasoline per 1,000 cu. ft. of gas
Rock pressure, lbs. per sq. in. 1072 A.O.F.--12,602 MCF/D

EMPLOYEES

, Driller , Driller
, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2922	2922	Tan to gry cr-grn ss interbedded w/gry sh.
2922	2994	72	Ojo Alamo ss. White cr-grn s.
2994	3388	394	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
3388	3587	199	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3587	3688	101	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
3688	5375	1687	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
5375	5463	88	Cliff House ss. Gry, fine-grn, dense sil ss.
5463	5728	265	Menefee form. Gry, fine-grn s, carb sh & coal.
5728	5894	166	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5894	5951	57	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.

3-5-58. T.D. 5951'. COTD 5889'. Water frac. P.L. perf. int. W/1 sh./ft. 5744-56; 5770-92; 5814-36; 5846-60; 5868-88 w/60,396 gal. water, 60,000# sand. BD pr. 1800#, max. pr. 2300#, avg. tr. pr. 1700#. I.R. 72 BPM. Dropped 3 sets of 20 balls each for 4 stages. Flush 10,164 gal. water. Set retainer @5600'. Water frac. C.H. perf. int. W/2sh/ft. 5424-5442 w/29,000 # sand, 29,000 gal. water. BD pr. 3500#, max. pr. 2300#, avg. tr. pr. 2200#. I.R. 62 BPM. Flush 10,416 gal. water.