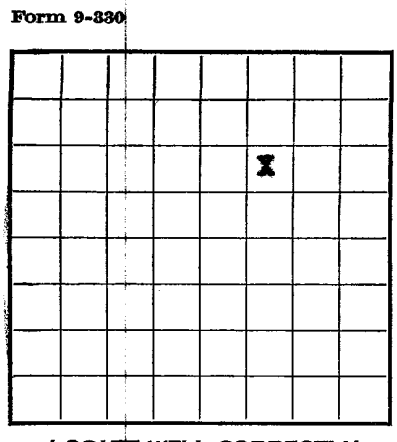
Form 9-330



LOCATE WELL CORRECTLY

RECEIVED MAR 6 1959 OIL CON. COM. DIST. 3

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

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 080670
LEASE OR PERMIT TO PROSPECT

UNITED STATES 14-08-001-1054
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED MAR 4 1959 U. S. GEOLOGICAL SURVEY NEW MEXICO

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 & Tapacito Ext. State New Mexico
Well No. 20 (PM) Sec. 29 T. 27N R. 4W Meridian N.M.P.M. County Rio Arriba
Location 1705 ft. [N.] of N Line and 1521 ft. [W.] of E Line of Section 29 Elevation 6938'
(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 J.J. TILLERSON

Date March 2, 1959 Title Petroleum Engineer

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

Commenced drilling 1-7-, 1959 Finished drilling 1-21-, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3805 to 3893 (G) No. 4, from 5967 to 6116 (G)
No. 2, from 5566 to 5635 (G) No. 5, from to
No. 3, from 5635 to 5967 (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"	26.40	8 Rd.	J-55	3979'	Baker				Prod. csg.
5 1/2"	15.50	8 Rd.	J-55	6199'	Baker				Prod. Liner
2"	4.7	8 Rd.	J-55	6046'					Prod. tbg.
1 1/4"	2.4	8 Rd.	Grade "A"	3860'					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'	300	Single Stage		
7 5/8"	3984'	150	Single Stage		
5 1/2"	3929-6198'	380	Single Stage		

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set
Adapters—Material Size Baker "EGJ" Packer at 3985'

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 3984 feet, and from 3984 feet to 6199 feet Gas Drilled
Cable tools were used from feet to feet, and from feet to feet

DATES

Jan. 31, 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 P.C. 2,878,000 MV 3,968,000 Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. P.C. 924 M.V. 1084 A.O.F.— P.C. 3058 M.V. 5538 MCF/D

EMPLOYEES

, Driller , Driller
, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	3240	3240	Tan to gry cr-grn ss interbedded w/gry sh.
3240	3445	205	Ojo Alamo ss. White cr-grn s.
3445	3600	155	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
3600	3805	205	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3805	3893	88	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
3893	5566	1673	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
5566	5635	69	Cliff House ss. Gry, fine-grn, dense sil ss.
5635	5967	332	Menefee form. Gry, fine-grns, carb sh & coal.
5967	6116	149	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
6116	6199	83	Mancos formation. Gry carb sh.

FROM— TO— TOTAL FEET [OVER] FORMATION 16—43094-4

FOLD | MARK

FORMATION RECORD—CONTINUED

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.

1-25-59 T.D. 6200'. COTD 6146'. Fraced Menefee perf. int. 5836-5848; 5862-5874 (2 SPF) and Point Lookout perf. int. 6008-6014; 6028-6034; 6048-6054; 6064-6076; 6102-6108; 6128-6132 (2 SPF) w/70,000 gallons water & 60,000# sand. Flush 11,000 gallons water. B.D.P. 1150#, max. pr. 1250#, avg. tr. pr. 1000-950-1150-1200#. I.R. 66 B.P.M. Used 5 sets balls (20 balls/set). Set Temp. B.P. @ 5750'. Fraced Cliff House perf. int. 5608-5612; (4 SPF); 5618-5628 (2 SPF) w/19,414 gallons water & 35,000# sand. B.D.P. 2400#, max. pr. 2400#, avg. tr. pr. 1500-1700#. I.R. 69 B.P.M. Flush [illegible] gallons water. Used 1 set of 16 balls.
Set Temp. B.P. @ 5550'. Fraced Pictured Cliffs perf. int. 3812-3840; 3852-3868 (2 SPF) w/35,192 gallons water & 35,000# sand. B.D.P. 1150#, max. pr. 1300#, avg. tr. pr. 1050-1100-1300#. I.R. 73 B.P.M. Flush 7750 gallons water. Used 8 sets balls (25 balls/set).

1-23-59 Set Baker Full-bore at 3823'. Squeezed liner top w/100 sacks Neat.