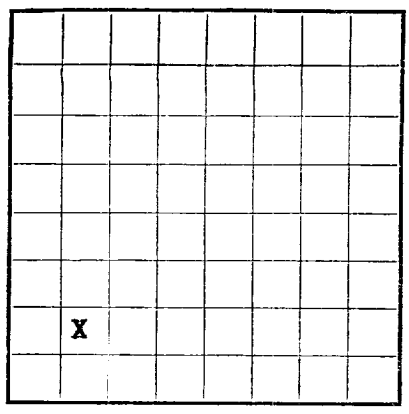
Form 9-330



LOCATE WELL CORRECTLY

RECEIVED
DEC 5 1961
OIL CON. COM.
DIST.

Form approved.
Budget Bureau No. 42-R355.4.

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078040
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 990, Farmington, New Mexico

Lessor or Tract Mudge Field Blanco M.V., Basin Dakota State New Mexico

Well No. 11(MD) Sec. 10 T. 31N R. 11W Meridian N.M.P.M. County San Juan

Location 795 ft. {N. / ~~S.~~} of S Line and 795 ft. {E. / ~~W.~~} of W Line of Section 10 Elevation 6022 (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

Date December 1, 1961 Title Petroleum Engineer

The summary on this page is for the condition of the well at above date. Re-Completed - 10-19-61

Commenced drilling 9-25-, 1953 Finished drilling 10-13-, 1953

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4287 to 4521 (G) No. 4, from 7057 to 7200 (G)

No. 2, from 4521 to 4889 (G) No. 5, from 7200 to 7375 (G)

No. 3, from 4889 to 6142 (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
9 5/8"	36	8 rd	H-40	162	Baker				Surface
7"	20,23	8 rd	J-55	4235	Baker				Intermediate
5"	15	8 rd	J-55	2194	Baker				Prod casing
5 1/2"	15.5	8 rd	J-55	5207	Baker				
2 1/16"	3.25	8 rd	J-55	7281	Baker				Prod tubing
1 1/4"	2.4	8 rd	J-55	4983	Baker				Prod tubing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8"	174	125	circulated		
7"	4245	500	single stage		
5 & 5½"	7389	200	2 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 4245 feet, and from 4245 feet to 7390 Gas Drilled feet

Cable tools were used from feet to feet, and from feet to feet

DATES

10-30-, 1961 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 M-5,152,000 D-2,806,000 Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. ~~M-797; D-2105~~

EMPLOYEES

A.O.F. M-7342; D-3059 Mcf/D, Driller

, Driller

, Driller

, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2719	2719	Tan to gry cr-grn ss interbedded w/gry sh.
2719	4287	1568	Pictured Cliffs forms. Gry, fine-grn, tight, varicolored soft ss.
4287	4521	234	Cliff House ss. Gry, fine-grn dense sil ss.
4521	4889	368	Menefee form. Gry, fine-grn s, carb sh & coal.
4889	6142	1253	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
6142	7004	862	Gallup form. Lt gry to brn calc carb micac glauco very fine gry ss w/irreg. interbed sh.
7004	7057	53	Greenhorn form. Highly calc gry sh w/thin lmst
7057	7200	143	Graneros form. Dk gry shale, fossil & carb w/prite incl.
7200	7375	175	Dakota form. Lt go dk gry foss carb sl calc sl silty ss w/prite incl thin sh bands clay & shale breaks.
7375	7385	10	Morrison form. Interbed grn brn and red waxy sh & fr to cr grn sand.

(OVER)

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.

2141 Qts SNG 4290-5094. Nat. Gauge 88 MCF/D

Workover:

7280-88;7292-7300; 7352-62;	Frac L.Dakota w/59,365 gal water, 45,000# sand. Flush 840 gal water. IR 23.1 BPM. Max pr 3700#, BDP 2000#, tr pr 3650#,
7221-27;7202-13; 7142-48;7126-32; 7116-32;	Frac Dakota w/59,850 gal water, 40,000# sand. Flush 6000 gal water. I.R. 58.6 BPM. Max pr 3700#, BDP 2300#, tr pr 3300#.
4972-78;4984-90;5000-06; 5010-16;5030-36; 5044-50;5058-64;	Frac Point Lookout w/50,279 gal water, 65,000# sand. Flush w/5300 gal. I.R. 46.5 BPM. Max pr 3200#, BDP 800#, tr pr 1000-1100-1300-3300#.