Form 9-330

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

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 080505-A
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico
Lessor or Tract San Juan 28-6 Unit Field Blanco State New Mexico
Well No. 71 Sec. 13 T. 28N R. 6W Meridian N.M.P.M. County Rio Arriba
Location 800 ft. {N. / S.} of N Line and 1600 ft. {E. / W.} of E Line of Section 13 Elevation 6553'
(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 February 13, 1958 Title Petroleum Engineer

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

Commenced drilling 9-22, 19 57 Finished drilling 11-26, 19 57

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3445 to 3549 (G) No. 4, from 5597 to 5731 (G)
No. 2, from 5195 to 5310 (G) No. 5, from to
No. 3, from 5310 to 5597 (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	8 Rd.	S. W.	163'	Baker				Surface
7 5/8	26.4	8 Rd.	J-55	3611'	Baker				Prod. Csg.
5 1/2	15.5	8 Rd.	J-55	5827'	Baker				Prod. Liner
2"	4.7	8 Rd.	J-55	5715'					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	175'	150	Circulated		
7 5/8"	3611'	250	Single Stage		
5 1/2	3557-5824	300	Single Stage		

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 3612 feet, and from 3612 feet to 5827 feet
Cable tools were used from 0 feet to 175 feet, and from feet to feet

DATES

12-4, 19 57 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 4,939,000 Gallons gasoline per 1,000 cu. ft. of gas
Rock pressure, lbs. per sq. in. 1103 A.O.F. = 11,350 MCF/D

EMPLOYEES

, Driller , Driller
, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2645	2645	Tan to gry cr- grn ss interbedded w/gry sh.
2645	2816	171	Ojo Alamo ss. White cr-grn s.
2816	3152	336	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
3152	3445	293	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3445	3549	104	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
3549	5195	1646	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
5195	5310	115	Cliff House ss. Gry, fine-grn, dense sil ss.
5310	5597	287	Menefee form. Gry, fine-grn s, carb sh & coal.
5597	5731	134	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5731	5827	96	Mancos formation. Gry carb sh.

[OVER]

16—43094-4

FOLD | MARK

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.

11-30-57 T. D. 5827'. C.O.T.D. 5728'. Water frac. P. L. perf. int. 5528-5546; 5602-5612; 5630-5656; 5680-5708; 5720-5726 w/57,500 gal. water and 60,000# sand, flush w/7200 gal. water. I. R. 67 BPM. BD pr. 850#, max. pr. 3000#, tr. pr. 700-1000-1200#. Dropped 3 sets of 32 balls each for 4 stages.

12-1-57 B. P. @ 5300'. Water frac. C. H. perf. int. 5220-5232; 5238-5244; 5248-5254; 5258-5264 w/33,198 gal. water and 40,000# sand. BD pr. 1800#. Max. pr. 1850#, tr. pr. 1650-1800-1850#. I. R. 60 BPM. Flush w/13,114 gal. water.