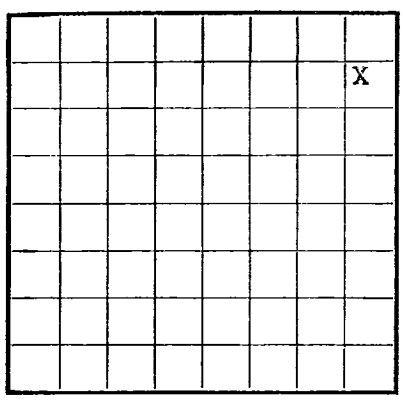
Form 9-330

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

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 077107
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 Michener Field Blanco State New Mexico
Well No. 5-A Sec. 31 T. 28N R. 9W Meridian N.M.P.M. County San Juan
Location 1090 ft. {N. / S.} of N Line and 600 ft. {W. / E.} of E Line of Section 31 Elevation 6069 (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 June 7, 1957 Title Petroleum Engineer

The summary on this page is for the condition of the well at above date.
Commenced drilling 4-2, 1957 Finished drilling 4-19-, 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2140 to 2212 (G) No. 4, from 4405 to 4585 (G)
No. 2, from 3703 to 3767 (G) No. 5, from to
No. 3, from 3767 to 4405 (G) No. 6, from to

IMPORTANT WATER SANDS

No. 1, from to No. 3, from to
No. 2, from to No. 4, from to

RECEIVED JUN 17 1957 OIL CON. COM. DIST. 3

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	F.E.	S.W.	162'	Howco				surface
7-5/8	26.4	8 Rd.	J-55	4340'	Baker				Prod.csg.
5-1/2"	15.5	8 Rd.	J-55	407'	Baker				Prod.liner
2"	4.7	8 Rd.	J-55	4505'					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'	175	circulated		
7-5/8"	4350'	300	two stages (150 sks. cement each stage)		
5-1/2"	4274-4681'	100	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 175 feet to 4350 feet, and from 4350 feet to 4685 feet
Cable tools were used from 0 feet to 175 feet, and from feet to feet

DATES

4-26, 1957 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 2,022,000 Gallons gasoline per 1,000 cu. ft. of gas
Rock pressure, lbs. per sq. in. 1032 A.O.F. = 2475 MCF/D

EMPLOYEES

, Driller , Driller
, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1133	1133	Tan to gry cr-grn ss interbedded w/gry sh.
1133	1294	161	Ojo Alamo ss. White cr-grn s.
1294	1921	627	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
1921	2140	219	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
2140	2212	72	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
2212	3703	1491	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
3703	3767	64	Cliff House ss. Gry, fine-grn, dense sil ss.
3767	4405	638	Menefee form. Gry, fine-grn s, carb sh & coal.
4405	4585	180	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
4585	4685	100	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.

4-21-57. T.D. 4635'. COTD 4631'. Perf. P.L. 4404-14; 4432-50; 4468-82; 4487-4509 (2 sh/ft). Frac 49,676 gal. water and 60,000# sand. Breakdown pressure 1800#, max. pr. 1350#, avg. tr. pr. 1000#. I.R. 59.0 bbls. Flush 21,500 gal.s

MAR 11 1957