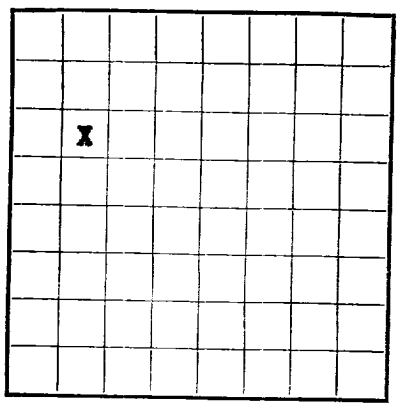
Form 9-330

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

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 045646-A
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 990, Farmington, New Mexico

Lessor or Tract Mansfield Field Blanco P. C. State New Mexico

Well No. 5 Sec. 28 T. 30N R. 9 W Meridian N.M.P.M. County San Juan

Location 1650 ft. {N./S.} of N Line and 790 ft. {E./W.} of W Line of Section 28 Elevation 5920
(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 H.E. McCANAL

Date September 6, 1962 Title Petroleum Engineer

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

Commenced drilling 8-4, 1962 Finished drilling 8-7, 1962

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 2595 to 2684 (G) No. 4, from ____ to ____

No. 2, from ____ to ____ No. 5, from ____ to ____

No. 3, from ____ to ____ 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
8 5/8"	24	8 rd	J-55	295	Nowco				Surface
2 7/8"	6.4	8 rd	J-55	2693	Baker				Prod. casing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8"	295	155	circulated		
2 7/8"	2693	160	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
Perf 2590-2600 (1 SPF) Frac w/27,990 gallons water, 25,000# sand. Flush w/2100 gallons water, I.R. 21.6 BPM. Max pr 3300#, tr pr 2800-3300#.						

TOOLS USED

Rotary tools were used from 0 feet to 2700 feet, and from ____ feet to ____ feet

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

DATES

S.I. 8-13, 1962 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 3,835,000 Gallons gasoline per 1,000 cu. ft. of gas ____

Rock pressure, lbs. per sq. in. C - 989 A.O.F. 4431 MCF/D

EMPLOYEES

____, Driller ____, Driller

____, Driller ____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1399	1399	Tan to gry cr-grn ss interbedded w/gry sh.
1399	1510	111	Ojo Alamo ss. White cr-grn s.
1510	2247	737	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2247	2595	348	Ffuitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
2595	2684	89	Pictured Cliffs forms. Gry, fine-grn, tight, varicolored soft ss.
2684	2700	16	Lewis form. Gry, fine-grn dense sil ss.

(OVER)

Form 9-330

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

U. S. Land Office: Santa Fe
Serial Number: [illegible]-A
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 990, Farmington, New Mexico

Lessor or Tract: [illegible] Field: Blanco P.C. State: New Mexico

Well No. 2 Sec. 26 T. [illegible] R. [illegible] Meridian N.M.P.M. County San Juan

Location [illegible] ft. N/S of S Line and [illegible] ft. E/W of E Line of Section 26 Elevation [illegible] (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 H. E. McANALLY

Date September [illegible] 1952 Title Petroleum Engineer

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

Commenced drilling 8-4, 1952 Finished drilling [illegible], 1952

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 2595 to 2694 (G) No. 4, from .... to ....
No. 2, from .... to .... No. 5, from .... to ....
No. 3, from .... to .... 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

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.

HISTORY OF OIL OR GAS WELL

16—43094-2 U. S. GOVERNMENT PRINTING OFFICE

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	235	[illegible]	Circulated		
2-7/8	2595	[illegible]	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
Perf 2596-2600 ([illegible]) Frac w/27,990 gallons water, 25,000# sand. Flush w/2100 gallons water, I.R. 27.[illegible] BPM. [illegible]						

TOOLS USED

Rotary tools were used from 0 feet to 2595 feet, and from .... feet to .... feet
Cable tools were used from .... feet to .... feet, and from .... feet to .... feet

DATES

I.P. 9-13, 1952 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 1,535,000 Gallons gasoline per 1,000 cu. ft. of gas ....

Rock pressure, lbs. per sq. in. [illegible]

A.O.F. 4431 MCF/D

EMPLOYEES

........, Driller ...., Driller
........, Driller ...., Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1399	1399	Tan to gry [illegible] ss interbedded w/gry sh.
1399	1510	111	Ojo Alamo ss. White cr-grn s.
1510	2247	737	Kirtland form. Gry sh interbedded w/light gry fine-grn ss.
2247	2595	348	Fruitland form. [illegible] sh. scattered coal, [illegible] and gry tight fine-grn ss.
2595	2694	99	Pictured Cliffs form. Gry fine-grn, tight, varicolored [illegible] ss.
2694	2700	6	Lewis form. [illegible] fine-grn dense sil ss.

(OVER) 16—43094-2

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION