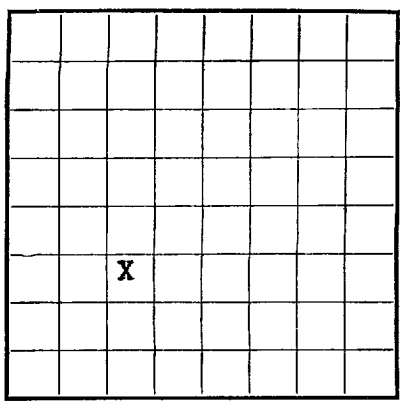
Budget Bureau No. 42-R-355.3.
Approval expires 12-31-55.

Form 9-330

U. S. Land Office Santa Fe
Serial Number 078040
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, N.M.

Lessor or Tract Mudge Field Blanco State New Mexico

Well No. 5 Sec. 3 T. 31N R. 11W Meridian N.M.P.M. County San Juan

Location 1450 ft. {N.} of S Line and 1650 ft. {E.} of W Line of Section 3 Elevation 6003
(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 [signature]

Date December 18, 1953 Title Petroleum Engineer

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

Commenced drilling 10-6-53, 19 Finished drilling 10-18-53, 19

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 2693 to 2764 (G) No. 4, from 4985 to 5072 (G)

No. 2, from 4330 to 4553 (G) No. 5, from ____ to ____

No. 3, from 4553 to 4985 (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.	Spang	157'	Howco				Surface
7		23#	8 Rd.	Spang	2008	Baker				Prod. Csg.
7		20#	8 Rd.	Spang	2291	Baker				Prod. Csg.
2		4.7#	8 Rd.	Youngst.	5048					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	168'	125	Circulated		
7	4311'	500	Sing. 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
Quart	Regular	S. N. G.	1982	10-20-53	4354-5072	5072

TOOLS USED

Gas Drilling

Rotary tools were used from 0 feet to 4311 feet, and from 4311 feet to 5072 feet

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

DATES

October 23, 1953, 19 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 5,306,000 Gallons gasoline per 1,000 cu. ft. of gas ____

Rock pressure, lbs. per sq. in. 1080

EMPLOYEES

____, Driller ____, Driller

____, Driller ____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	740	740	Tan cr-grn ss w/thin sh breaks.
740	1013	273	Variegated sh w/thin ss breaks.
1013	1773	760	Tan to gry cr-grn ss interbedded w/gry sh.
1773	1882	109	Ojo Alamo ss. White cr-grn ss.
1882	2211	329	Kirtland formation. Gry sh interbedded w/tight gry fine-grn ss.
2211	2693	482	Fruitland formation. Gry carb sh, scattered coals coals and gry, tight, fine-grn ss.
2693	2764	71	Pictured Cliffs formation. Gry, fine-grn, tight, varicolored soft ss.
2764	4330	1566	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
4330	4553	223	Cliff House ss. Gry, fine grn, dense sil ss.
4553	4985	432	Menefee formation. Gry, fine-grn ss, carb sh and coal.
4985	5072	87	Point Lookout formation. Gry, very fine sil ss w/frequent sh breaks.
			~~Mancos formation. Gry carb sh.~~

Tops

Ojo Alamo	1773	Lewis	2764
Kirtland	1882	Cl. House	4330
Fruitland	2211	Menefee	4553
Pict. Cl.	2693	Pt. Lkout.	4985

FOLD | MARK

[OVER]

16—43094-3

Budget Bureau No. 42-R356.2
Approval expires 12-31-55.

U. S. Land Office [illegible]
Serial Number [illegible]
Lease or Permit to Prospect [illegible]

Form 9-330

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company [illegible] Address [illegible]
Lessor or Tract [illegible] Field [illegible] State [illegible]
Well No. [illegible] Sec. [illegible] T. [illegible] R. [illegible] Meridian [illegible] County [illegible]
Location [illegible] ft. [N/S] of [illegible] Line and [illegible] ft. [E/W] of [illegible] Line of [illegible] 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 [illegible]
Date [illegible] Title [illegible]

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

Commenced drilling [illegible], 19 [illegible] Finished drilling [illegible], 19 [illegible]

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

No. 1, from [illegible] to [illegible] No. 4, from [illegible] to [illegible]
No. 2, from [illegible] to [illegible] No. 5, from [illegible] to [illegible]
No. 3, from [illegible] to [illegible] No. 6, from [illegible] to [illegible]

IMPORTANT WATER SANDS

No. 1, from [illegible] to [illegible] No. 3, from [illegible] to [illegible]
No. 2, from [illegible] to [illegible] No. 4, from [illegible] to [illegible]

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From	Perforated To	Purpose
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				

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.

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
[illegible]	[illegible]	[illegible]	[illegible]		
[illegible]	[illegible]		[illegible]		

PLUGS AND ADAPTERS

Heaving plug—Material [illegible] Length [illegible] Depth set [illegible]
Adapters—Material [illegible] Size [illegible]

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TOOLS USED

Rotary tools were used from [illegible] feet to [illegible] feet, and from [illegible] feet to [illegible] feet
Cable tools were used from [illegible] feet to [illegible] feet, and from [illegible] feet to [illegible] feet

DATES

[illegible], 19 [illegible] Put to producing [illegible], 19 [illegible]

The production for the first 24 hours was [illegible] barrels of fluid of which [illegible]% was oil; [illegible]% emulsion; [illegible]% water; and [illegible]% sediment. Gravity, °Bé. [illegible]

If gas well, cu. ft. per 24 hours [illegible] Gallons gasoline per 1,000 cu. ft. of gas [illegible]

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

EMPLOYEES

[illegible], Driller [illegible], Driller
[illegible], Driller [illegible], Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
[illegible]	[illegible]	[illegible]	Tan orange [illegible] w/thin sh [illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible] sh.
[illegible]	22[illegible]	[illegible]	K[illegible] [illegible] tight gry [illegible]
[illegible]	[illegible]	[illegible]	Fruitland formation. [illegible] scattered coals coals and gry [illegible] ss.
2[illegible]	2[illegible]		Pictured Cliffs formation. Gry, fine-grn tight, varicolored soft ss.
[illegible]	[illegible]		Lewis formation. Gry to white dense sh w/silty [illegible]
[illegible]	[illegible]	[illegible]	[illegible] ss.
[illegible]	[illegible]	[illegible]	[illegible] carb sh.
[illegible]	[illegible]	[illegible]	[illegible] formation. Gry, very fine sil [illegible]
			Mancos formation. Gry carb sh.

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
			[illegible]