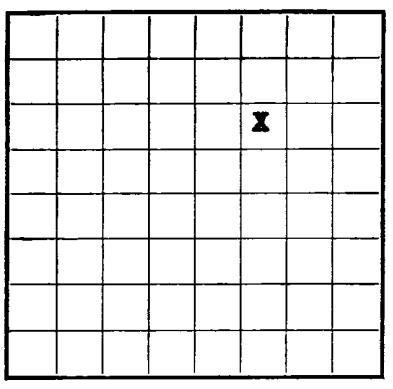
Form 9-330

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

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 079472
LEASE OR PERMIT TO PROSPECT 14-08-001-949



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 San Juan 28-5 Unit Field Blanco State New Mexico
Well No. 32 Sec. 30 T. 28N R. 5W Meridian N.M.P.M. County Rio Arriba
Location 1650 ft. N. of N Line and 1650 ft. W. of E Line of Section 30 Elevation 6582'
(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 R. G. MILLER

Date December 5, 1958 Title Petroleum Engineer

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

Commenced drilling 10-6-, 1958 Finished drilling 10-16-, 1958

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3401 to 3470 (G) No. 4, from 5570 to 5772 (G)
No. 2, from 5087 to 5185 (G) No. 5, from to
No. 3, from 5185 to 5570 (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	P.E.	S.W.	162'	Howco				Surface
7 5/8"	26.40	8 Rd.	J-55	3634'	Baker				Intermediate
5 1/2"	15.5	8 Rd.	J-55	5807'	Baker				Prod. Liner
2"	4.7	8 Rd.	J-55	5711'					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'	150	Circulated		
7 5/8"	3634'	150	Single Stage		
5-1/2"	3569-5807'	350	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 0 feet to 3637 feet, and from 3637 feet to 5810 feet (Gas Drilled)
Cable tools were used from feet to feet, and from feet to feet

DATES

10-22-, 1958 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 4,105,000 Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. 1097 A.O.F.--7159 MCF/D

EMPLOYEES

, Driller , Driller
, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2705	2705	Tan to gry cr-grn ss interbedded w/grysh.
2705	2832	127	Ojo Alamo ss. White cr-grn s.
2832	3155	323	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
3155	3401	246	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3401	3470	69	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
3470	5087	1617	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
5087	5185	98	Cliff House ss. Gry, fine-grn, dense silss.
5185	5570	385	Menefee form. Gry, fine-grn s, carb sh & coal.
5570	5772	202	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5772	5810	38	Mancos formation. Gry carb sh.

16—43094-4

Form 9-330

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

Lease or Permit to Prospect .....

Serial Number .....

U. S. Land Office .....

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company ..... Address .....

Lessor or Tract ..... Field ..... State .....

Well No. ..... Sec. ..... T. ..... R. ..... Meridian ..... County .....

Location ..... ft. {N. / S.} of ..... Line and ..... ft. {E. / W.} of ..... Line of ..... Elevation .....
(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 ..... Title .....

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

Commenced drilling ....., 19..... Finished drilling ....., 19.....

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from ..... to ..... 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 .....

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used

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

TOOLS USED

Rotary tools were used from ..... feet to ..... feet, and from ..... feet to ..... feet

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

DATES

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 ..... Gallons gasoline per 1,000 cu. ft. of gas .....

Rock pressure, lbs. per sq. in. .....

EMPLOYEES

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

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION

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.

Size casing	Where set	Method used	Mud gravity	Amount of mud used	Purpose
10-3/4"	[illegible]	Rotary Footwall w/8 [illegible]	[illegible]	[illegible]	[illegible]

100,000# sand. Flush w/[illegible]. I.R. 70 B.P.M. Max 1800#, max. 2000#, avg. 1. 1400-1620-1700-1700-1700-1800-2000#. Dropped 6 sets of 20 balls, 1 set of 30 balls. Cond 5760'.

FROM—	TO—	TOTAL FEET	FORMATION

[OVER]

16—43094-4 U. S. GOVERNMENT PRINTING OFFICE

FORMATION RECORD—Continued

FOLD | MARK