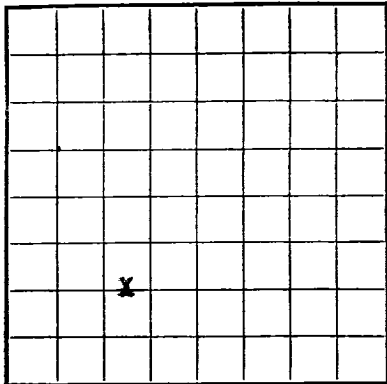




LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYU. S. LAND OFFICE Santa Fe
SERIAL NUMBER 976913
LEASE OR PERMIT TO PROSPECT _____

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico
Lessor or Tract Lindrith Unit Field So. Blance P.C. State New Mexico
Well No. 33 Sec. 21 T. 24N R. 3W Meridian N.M.P.M. County Rio Arriba
Location 1650 ft. N. of 6 Line and 1650 ft. E. of 4 Line of Section 21 Elevation 7093
(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 By: D. H. OheimDate October 22, 1959 Title Petroleum Engineer

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

Commenced drilling 8-22, 1959 Finished drilling 8-26, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3060 to 3120 (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		Purpose
							From—	To—	
8 5/8	21.4	10	Grade "A"	3103					Production
5 1/2	21.4	10	Grade "A"	3103					Siphon

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	122	99	Circulated		
5 1/2	3172	92	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

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

_____ 1959 Put to producing _____, 19____
9-20

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 1,529,000 Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 987

A.O.P. = 1560 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	2790	145	Ojo Alamo ss. White cr-grn s.
2790	2942	152	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2942	3060	118	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3060	3120	60	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
3120	3173	53	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.

PLEASE DO NOT PERMIT TO PROSECT

SERIAL NUMBER

U.S. LAND OFFICE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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OIL CON. COM.

LOG OF OIL OR GAS

LOCATE WELL CORRECTLY

A blank 10x10 grid for graphing, consisting of 10 columns and 10 rows of squares. The grid is used for plotting the graph of the function $y = \frac{1}{2}x^2$ for x from -10 to 10.

Company _____
 Lessor or Trust _____
 Well No. _____
 Location _____ of _____
 Sec. _____ T. _____ R. _____
 Meridian _____
 County _____
 State _____
 Address _____
 Field _____
 Elevation _____
 The information given herewith is a complete and correct record of the well and all work done thereon
 as far as can be determined from all available records.
 Signed _____
 Registered Professional Engineer

Commenced drilling	19	19	Finished drilling	19	19
The summary on this page is for the condition of the well at above date.					
Date		October 22, 1917		Title	

OIL OR GAS SANDS OR ZONES

(Dette der 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

[illegible]

Casting Size	Weight per foot	Through per inch	Gauge	Amount	Kind of shoe	Cut and pulled from	Purposed
To—	From						Purpose

HISTORY OF OIL OR GAS WELL

[illegible]

RECORDING AND CEMENTING RECORD

Case No.	Where set	Number and of a kind	Method used	Kind and quantity	Amount paid to inventor
1070	105	1	Official seal		
1071	105	1	Official seal		

SHOOTING RECORD

Item	Shell used	Machete used	Quantity	Date	Useful class	Depth cleaned out

TOOLS USED

Cable tools were used from	feet to	feet and from	feet to
Rotary tools were used from	feet to	feet and from	feet to

DATE

emulsion; % water; and % sediment	7-27	10-27	Put to producing
The production for the first 24 hours was			barrels of fluid of which % was oil; %
			Gravity, 52.6

EMPLOYEES

Driller		Driller	
Driller		Driller	

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0	1000	1000	San Joaquin River alluvium
1000	1500	500	San Joaquin River alluvium
1500	2000	500	San Joaquin River alluvium
2000	2500	500	San Joaquin River alluvium
2500	3000	500	San Joaquin River alluvium
3000	3500	500	San Joaquin River alluvium
3500	4000	500	San Joaquin River alluvium
4000	4500	500	San Joaquin River alluvium
4500	5000	500	San Joaquin River alluvium
5000	5500	500	San Joaquin River alluvium
5500	6000	500	San Joaquin River alluvium
6000	6500	500	San Joaquin River alluvium
6500	7000	500	San Joaquin River alluvium
7000	7500	500	San Joaquin River alluvium
7500	8000	500	San Joaquin River alluvium
8000	8500	500	San Joaquin River alluvium
8500	9000	500	San Joaquin River alluvium
9000	9500	500	San Joaquin River alluvium
9500	10000	500	San Joaquin River alluvium

FORMATION RECORD—Continued

6-1082-61