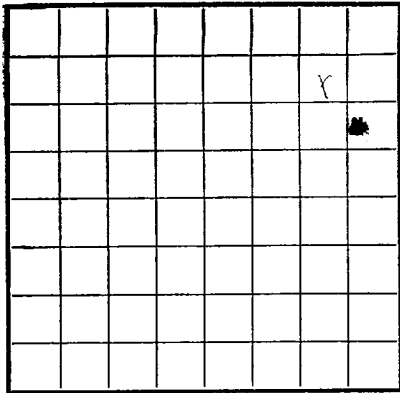




LOCATE WELL CORRECTLY

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 070816
LEASE OR PERMIT TO PROSPECT _____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 Canyon Largo Unit Field Ballard P.C. Ext. State New Mexico
Well No. 16 Sec. 30 T. 25N R. 7W Meridian N.M.P.M. County Rio Arriba
Location 810 ft. S. of N Line and 1180 ft. E. of E Line of Section 30 Elevation 6915'
(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 September 2, 1958 Title Petroleum Engineer

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

Commenced drilling 6-5-, 19 58 Finished drilling 6-9-, 19 58

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2511 to 2606 (0) 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	Thickness, inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated	Purpose
<u>8 5/8"</u>	<u>24</u>	<u>P.E.</u>	<u>A.H.</u>	<u>123'</u>	<u>House</u>			<u>Surface casing.</u>
<u>5 1/2"</u>	<u>20</u>	<u>P.E.</u>	<u>A.H.</u>	<u>2509'</u>	<u>House</u>			<u>Production casing.</u>
<u>1 1/4"</u>	<u>2.4</u>	<u>P.E.</u>	<u>Grade "A"</u>	<u>2509'</u>				<u>Sign</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8 5/8"</u>	<u>134'</u>	<u>150</u>	<u>circulated</u>		
<u>5 1/2"</u>	<u>2611'</u>	<u>200</u>	<u>single stage</u>		

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 0 feet to 2612 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

8-3-, 19 58 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 976,000 Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. 599 A.O.F.--994 MCF/D

EMPLOYEES

_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>1811</u>	<u>1811</u>	<u>Tan to gry cr-grn ss interbedded w/gry sh</u>
<u>1811</u>	<u>1939</u>	<u>128</u>	<u>Ojo Alamo ss. White cr-grn s.</u>
<u>1939</u>	<u>2282</u>	<u>343</u>	<u>Kirtland form. Gry sh interbedded w/tight gry</u>
<u>2282</u>	<u>2511</u>	<u>229</u>	<u>fine-grn ss.</u>
<u>2511</u>	<u>2606</u>	<u>95</u>	<u>Fruitland form. Gry carb sh, scattered coals,</u>
<u>2606</u>	<u>2612</u>	<u>6</u>	<u>coals and gry, tight, fine-grn ss.</u>
			<u>Pictured Cliffs form. Gry, fine-grn, tight,</u>
			<u>varicolored soft ss.</u>
			<u>Lewis formation. Gry to white dense sh</u>
			<u>w/silty to shaly ss breaks.</u>

FORM—

TO—

TOTAL FEET

(OVER)

FORMATION

16-43094-4

FORMATION RECORD—Continued

LEASE OR PERMIT TO PROSPECT
SERIAL NUMBER
U. S. LAND OFFICE
DATE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

A 10x10 grid with a small black dot in the second row, first column.

Commenced drilling _____, 19____
 Finished drilling _____, 19____
 The summary on this page is for the condition of the well at above date.
 Date _____
 Signed _____
 Original Signed D. C. Johnston
 The information given herewith is a complete and correct record of the well and all work done thereon.
 Location _____ of _____
 Sec. _____ T. _____ R. _____
 Inessor or Tract _____
 Section Range _____
 Company _____
 Address _____
 State _____
 City _____

OIL OR GAS SANDS OR ZONES

No. 1, from	to	No. 4, from	to
No. 2, from	to	No. 5, from	to
No. 3, from	to	No. 6, from	to

(Denote page by G)

IMPORTANT WATER SANDS

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

Well No.	State	County	Section	Range	Township	Latitude	Longitude	Depth	Remarks
1-10-18	W. Va.	Putnam	10	10	10	37° 45' N.	81° 15' W.	1000	Drilled for oil, 1000 ft. deep. No oil found.
2-10-18	W. Va.	Putnam	10	10	10	37° 45' N.	81° 15' W.	1000	Drilled for oil, 1000 ft. deep. No oil found.
3-10-18	W. Va.	Putnam	10	10	10	37° 45' N.	81° 15' W.	1000	Drilled for oil, 1000 ft. deep. No oil found.
4-10-18	W. Va.	Putnam	10	10	10	37° 45' N.	81° 15' W.	1000	Drilled for oil, 1000 ft. deep. No oil found.
5-10-18	W. Va.	Putnam	10	10	10	37° 45' N.	81° 15' W.	1000	Drilled for oil, 1000 ft. deep. No oil found.
6-10-18	W. Va.	Putnam	10	10	10	37° 45' N.	81° 15' W.	1000	Drilled for oil, 1000 ft. deep. No oil found.
7-10-18	W. Va.	Putnam	10	10	10	37° 45' N.	81° 15' W.	1000	Drilled for oil, 1000 ft. deep. No oil found.
8-10-18	W. Va.	Putnam	10	10	10	37° 45' N.	81° 15' W.	1000	Drilled for oil, 1000 ft. deep. No oil found.
9-10-18	W. Va.	Putnam	10	10	10	37° 45' N.	81° 15' W.	1000	Drilled for oil, 1000 ft. deep. No oil found.
10-10-18	W. Va.	Putnam	10	10	10	37° 45' N.	81° 15' W.	1000	Drilled for oil, 1000 ft. deep. No oil found.

HISTORY OF OIL OR GAS WELL

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

NUDDING AND CEMENTING RECORD

Year	Number of cases	Deaths	Survivors	Total
1911	121	101	20	141
1912	100	100	0	200

PLUGS AND ADAPTERS

	Adapters—Vibrio	Hearing plug—Vibrio
Size		
Length		
Depth set		

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

DATE

Rock pressure, lbs. per sq. in.	100
Gas well, cu. ft. per 24 hours	145,000
Emulsion, % water; and % sediment	95
The production for the first 24 hours was	100
Parcels of fluid of which % was oil; %	100
Put to producing	100

EMPLOYEES

Driller			
Driller			

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	181	181	Top to top of interbedded w/lt &
101	180	180	100 ft. white ss. &
100	180	180	100 ft. interbedded w/lt &
			100 ft. ss.
200	180	180	100 ft. sandstone. Top of ss. section
			ss. & silt, thin bedded
200	180	180	100 ft. sandstone. Top of ss. section
			ss. & silt, thin bedded
200	180	180	100 ft. sandstone. Top of ss. section
			ss. & silt, thin bedded
200	180	180	100 ft. sandstone. Top of ss. section
			ss. & silt, thin bedded

FORMATION RECORD—Continued

10-13084-4 INFORMATION

OVER

LESLIE TV

—01—

FROM-