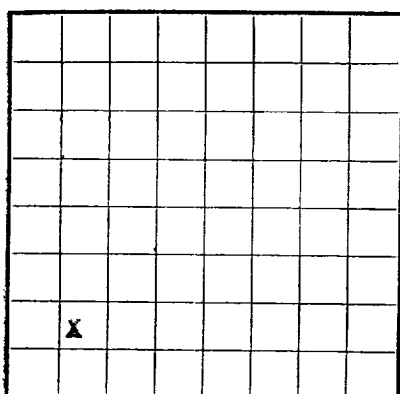
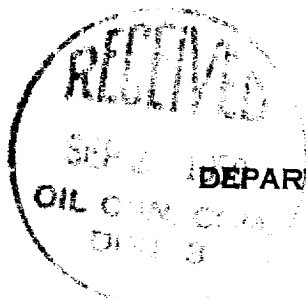


U. S. LAND OFFICE Jicarilla ApacheSERIAL NUMBER Cont. #64

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, New Mexico
Lessor or Tract Jicarilla Field So. Blanco P.C. State New Mexico
Well No. 12-E Sec. 17 T. 25N R. 4W Meridian N.M.P.M. County Rio Arriba
Location 1095 ft. N. of S. Line and 931 ft. E. of W. Line of Section 17 Elevation 7339'
(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.

Original Signed D. W. MeehanDate August 28, 1959Title Petroleum Engineer

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

Commenced drilling 4-23, 19 59 Finished drilling 5-2, 19 59

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3672 to 3735 (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—	
<u>8 5/8</u>	<u>26</u>	<u>8 Rd.</u>	<u>J-55</u>	<u>123</u>	<u>House</u>				<u>Surface</u>
<u>5 1/2</u>	<u>25.5</u>	<u>8 Rd.</u>	<u>J-55</u>	<u>3731</u>	<u>House</u>				<u>Prod. Csg.</u>
<u>1 1/4</u>	<u>2.4</u>	<u>10 Rd.</u>	<u>Grade "A"</u>	<u>3661</u>					<u>Siphon</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>133</u>	<u>105</u>	<u>Circulated</u>		
<u>5 1/2</u>	<u>3742</u>	<u>90</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
		<u>See Well History</u>				

TOOLS USED

Rotary tools were used from 130 feet to 3742 feet, and from _____ feet to _____ feetCable tools were used from 0 feet to 130 feet, and from _____ feet to _____ feet

DATES

7-18, 19 59 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 3,871,000 Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 956 A.O.P. = 4,333 MCF/D

EMPLOYEES

_____, Driller _____, Driller

_____, Driller _____, Driller

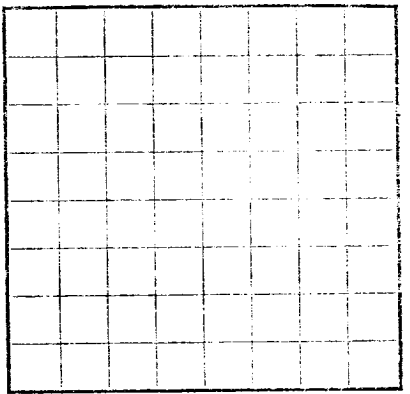
FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>3120</u>	<u>3120</u>	<u>Tan to gry cr-grn ss interbedded w/gry sh.</u>
<u>3120</u>	<u>3218</u>	<u>98</u>	<u>Ojo Alamo ss. White cr-grn s.</u>
<u>3218</u>	<u>3460</u>	<u>242</u>	<u>Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.</u>
<u>3460</u>	<u>3672</u>	<u>212</u>	<u>Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.</u>
<u>3672</u>	<u>3735</u>	<u>63</u>	<u>Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.</u>
<u>3735</u>	<u>3742</u>	<u>7</u>	<u>Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.</u>

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL



LOCATE WELL CORRECTLY

Company: Oil and Gas Development Co.
Dessor or Tract: Section 12, Township 10N, Range 10E, T10N, R10E
Well No.: 12-59
Location: 1/2 mile S. of intersection of Rte. 1 and Rte. 10
The information given herein is a complete and correct record of the well and all work done thereon.
Signed: W. W. Mehan
Signed: _____

This information is for the condition of the well at above date.
The summary on this page is for the condition of the well at above date.
Commenced drilling: _____
Finished drilling: _____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1 from _____ to _____
No. 2 from _____ to _____
No. 3 from _____ to _____
No. 4 from _____ to _____
No. 5 from _____ to _____
No. 6 from _____ to _____
No. 7 from _____ to _____
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No. 98 from _____ to _____
No. 99 from _____ to _____
No. 100 from _____ to _____

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

DATE	DEPTH	DESCRIPTION	REMARKS
7-15-59	C.O.D. 3115'	Water tested, 3115' to 3675'	3675-3100' w/2 pt/lr. 35,000 gal. water, 35,000 gal. sand. 3100-3000' w/2 pt/lr. 35,000 gal. water, 35,000 gal. sand. 3000-2900' w/2 pt/lr. 35,000 gal. water, 35,000 gal. sand. 2900-2800' w/2 pt/lr. 35,000 gal. water, 35,000 gal. sand. 2800-2700' w/2 pt/lr. 35,000 gal. water, 35,000 gal. sand. 2700-2600' w/2 pt/lr. 35,000 gal. water, 35,000 gal. sand. 2600-2500' w/2 pt/lr. 35,000 gal. water, 35,000 gal. sand. 2500-2400' w/2 pt/lr. 35,000 gal. water, 35,000 gal. sand. 2400-2300' w/2 pt/lr. 35,000 gal. water, 35,000 gal. sand. 2300-2200' w/2 pt/lr. 35,000 gal. water, 35,000 gal. sand. 2200-2100' w/2 pt/lr. 35,000 gal. water, 35,000 gal. sand. 2100-2000' w/2 pt/lr. 35,000 gal. water, 35,000 gal. sand. 2000-1900' w/2 pt/lr. 35,000 gal. water, 35,000 gal. sand. 1900-1800' w/2 pt/lr. 35,000 gal. water, 35,000 gal. sand. 1800-1700' w/2 pt/lr. 35,000 gal. water, 35,000 gal. sand. 1700-1600' w/2 pt/lr. 35,000 gal. water, 35,000 gal. sand. 1600-1500' w/2 pt/lr. 35,000 gal. water, 35,000 gal. sand. 1500-1400' w/2 pt/lr. 35,000 gal. water, 35,000 gal. sand. 1400-1300' w/2 pt/lr. 35,000 gal. water, 35,000 gal. sand. 1300-1200' w/2 pt/lr. 35,000 gal. water, 35,000 gal. sand. 1200-1100' w/2 pt/lr. 35,000 gal. water, 35,000 gal. sand. 1100-1000' w/2 pt/lr. 35,000 gal. water, 35,000 gal. sand. 1000-900' w/2 pt/lr. 35,000 gal. water, 35,000 gal. sand. 900-800' w/2 pt/lr. 35,000 gal. water, 35,000 gal. sand. 800-700' w/2 pt/lr. 35,000 gal. water, 35,000 gal. sand. 700-600' w/2 pt/lr. 35,000 gal. water, 35,000 gal. sand. 600-500' w/2 pt/lr. 35,000 gal. water, 35,000 gal. sand. 500-400' w/2 pt/lr. 35,000 gal. water, 35,000 gal. sand. 400-300' w/2 pt/lr. 35,000 gal. water, 35,000 gal. sand. 300-200' w/2 pt/lr. 35,000 gal. water, 35,000 gal. sand. 200-100' w/2 pt/lr. 35,000 gal. water, 35,000 gal. sand. 100-0' w/2 pt/lr. 35,000 gal. water, 35,000 gal. sand.

FORMATION RECORD—Continued

FORMATION
TOTAL FEET
TO—
FROM—