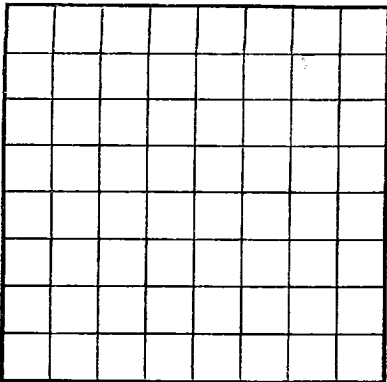


U. S. LAND OFFICE
SERIAL NUMBER
LEASE OR PERMIT TO PROSPECT

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 797, Farmington, New Mexico
Lessor or Tract Pipkin Field Fulcher-Kutz State New Mexico
Well No. 4 Sec. 18 T. 27N R. 10W Meridian H. M. P. N. County San Juan
Location 990 ft. N. of 1 Line and 990 ft. E. of 2 Line of Section 18 Elevation 5944
(Denote 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] Title Petroleum Engineer
Date December 20, 1951

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

Commenced drilling November 15, 1951 Finished drilling November 27, 1951

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1710 to 1794 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 655 to 670 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>5-9/16</u>	<u>12.65</u>	<u>8</u>	<u>115</u>	<u>115</u>	<u>1000</u>				<u>Surface</u>
<u>1-1/2</u>	<u>1.65</u>	<u>8</u>	<u>1705</u>	<u>1705</u>					<u>5190</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>5-9/16</u>	<u>110</u>	<u>60</u>	<u>Circulated</u>		
<u>5-9/16</u>	<u>1715</u>	<u>100</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>4 1/2</u>	<u>Regular</u>	<u>E.M.C.</u>	<u>190</u>	<u>12-4</u>	<u>1723-1792</u>	<u>1811</u>

TOOLS USED

Rotary tools were used from 120 feet to 1811 feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 120 feet, and from _____ feet to _____ feet

DATES

December 11, 1951 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 524,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 944

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>465</u>	<u>465</u>	<u>Variegated shales with thin sandstone beds.</u>
<u>465</u>	<u>620</u>	<u>145</u>	<u>Thin to gray coarse-grained sandstone interbedded with gray shales.</u>
<u>620</u>	<u>795</u>	<u>105</u>	<u>Ojo Alamo sandstone. White coarse-grained water sand.</u>
<u>795</u>	<u>1425</u>	<u>630</u>	<u>Kirtland formation. Gray shales, interbedded with light gray fine-grained sandstone. Top Kirtland 795.</u>
<u>1425</u>	<u>1710</u>	<u>285</u>	<u>Fruitland formation. Gray carbonaceous shales, scattered coals and gray tight fine-grained sandstone. Top Fruitland 1425.</u>
<u>1710</u>	<u>1794</u>	<u>84</u>	<u>Pictured Cliffs formation. Light gray, fine to medium well-rounded, soft, varicolored, sand & pepper sandstone. Top Pictured Cliffs 1710.</u>
<u>1794</u>	<u>1810 T.O.</u>	<u>16</u>	<u>Upper Lewis formation. Gray shale. Top Lewis 1794.</u>

FORMATION RECORD—Continued