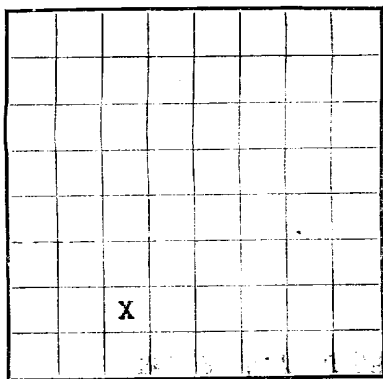


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 079730
LEASE OR PERMIT TO PROSPECT 14-08-001-933

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico
Lessor or Tract San Juan 28-4 Unit Field Wildcat State New Mexico
Well No. 4 Sec. 26 T. 20N R. 4W Meridian NMNM County Rio Arriba
Location 1620 ft. N. of 8 Line and 1590 ft. E. of W Line of Section 26 Elevation 7272'
(Correct after 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 May 25, 1954

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

Commenced drilling November 20, 1953 Finished drilling January 18, 1954

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4154 to 4287 (G) No. 4, from 6386 to 6515 (G)
No. 2, from 5795 to 6010 (G) No. 5, from _____ to _____
No. 3, from 6010 to 6386 (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		Purpose
							From—	To—	
<u>9 5/8</u>	<u>25.4</u>	<u>8 W.</u>	<u>Arco</u>	<u>161</u>	<u>Arco</u>				<u>Surface</u>
<u>7</u>	<u>23</u>	<u>8 RD</u>	<u>Foreign</u>	<u>2657</u>	<u>Baker</u>		<u>3950</u>	<u>3944</u>	<u>Prod. Cas.</u>
<u>7</u>	<u>20</u>	<u>8 RD</u>	<u>Spang</u>	<u>3243</u>	<u>Baker</u>		<u>4195</u>	<u>4188</u>	<u>Prod. Cas.</u>
<u>2 3/8</u>	<u>4.7</u>	<u>8 RD</u>	<u>Youngstown</u>	<u>4113</u>					<u>Prod. Cas.</u>

HISTORY OF USE OF CASING

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>9 5/8</u>	<u>172</u>	<u>125</u>	<u>Circulated</u>		
<u>7</u>	<u>6040</u>	<u>500</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 on back.</u>					

TOOLS USED

Gas Drilling

Rotary tools were used from _____ feet to 6040 feet, and from 6040 feet to 6535 feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

March 16, 1954 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 0 Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. 982

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>1742</u>	<u>1742</u>	<u>Tan cr-gra ss w/thin sh breaks.</u>
<u>1742</u>	<u>2355</u>	<u>613</u>	<u>Variegated sh w/thin ss breaks.</u>
<u>2355</u>	<u>3640</u>	<u>1285</u>	<u>Tan to gr cr-grn ss interbedded w/gr sh.</u>
<u>3640</u>	<u>3748</u>	<u>108</u>	<u>Ojo Alamo ss. Wh cr-grn sd.</u>
<u>3748</u>	<u>3945</u>	<u>197</u>	<u>Kirtland formation. Gr sh interbedded w/tight gr fine-grn ss.</u>
<u>3945</u>	<u>4154</u>	<u>209</u>	<u>Fruitland formation. Gr carb sh, scattered coals and gr, tight, fine grn ss.</u>
<u>4154</u>	<u>4287</u>	<u>133</u>	<u>Pictured Cliffs formation. Gr, fine-grn, tight, varicolored soft ss.</u>
<u>4287</u>	<u>5795</u>	<u>1508</u>	<u>Lewis formation. Gr to wh dense sh w/silty to shy ss breaks.</u>
<u>5795</u>	<u>6010</u>	<u>215</u>	<u>Cliff House ss. gr, fine-grn, dense, siliceous s</u>
<u>6010</u>	<u>6386</u>	<u>376</u>	<u>Menefee formation. Gr, fine-grn sds, carb sh and coal.</u>
<u>6386</u>	<u>6515</u>	<u>129</u>	<u>Point Lookout formation. Gr, very fine siliceous ss w/frequent sh breaks.</u>

