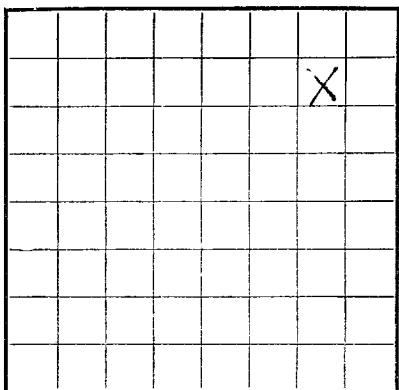




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078386
LEASE OR PERMIT TO PROSPECT _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
JUN 15 1953
U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 997 Farmington, New Mexico
Lessor or Tract Riddle Field Blanco State New Mexico
Well No. 4-D Sec. 22 T. 31N R. 9W Meridian N. M. P. M. County San Juan
Location 990 ft. S. of N. Line and 990 ft. W. of E. Line of Section 22 Elevation 6488
(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 Ernest W. Webb

Date June 10, 1953 Title Petroleum Engineer

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

Commenced drilling May 3, 19 53 Finished drilling May 25, 19 53

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 3303 to 3373 (G) No. 4, from _____ to _____
No. 2, from 5116 to 5708 (G) 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>9 5/8</u>	<u>25.4</u>	<u>S. W.</u>	<u>Armco</u>	<u>160'</u>	<u>Armco</u>				<u>Surface</u>
<u>2"</u>	<u>4.7</u>	<u>8 RD</u>	<u>Youngs</u>	<u>5708'</u>					<u>Prod. log.</u>

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>170'</u>	<u>125</u>	<u>Circulated</u>		
<u>7"</u>	<u>5047'</u>	<u>300</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>Quart</u>	<u>Regular</u>	<u>S.N.G.</u>	<u>1720</u>	<u>5-26-53</u>	<u>5107-5817</u>	<u>5817</u>

TOOLS USED

Gas Drilling

Rotary tools were used from 0 feet to 5047 feet, and from 5047 feet to 5817 feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

May 27, 19 53 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 5,210,000 Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. 1070

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>615</u>	<u>615</u>	<u>Tan cr-grn ss w/thin sh breaks.</u>
<u>615</u>	<u>1120</u>	<u>505</u>	<u>Variegated sh w/thin ss breaks.</u>
<u>1120</u>	<u>1740</u>	<u>620</u>	<u>Tan to gry cr-grn ss interbedded w/gry sh.</u>
<u>1740</u>	<u>1895</u>	<u>155</u>	<u>Ojo Alamo ss. Wh cr-grn s. Top Ojo Alamo 1740.</u>
<u>1895</u>	<u>2910</u>	<u>1015</u>	<u>Kirtland formation. Gry sh interbedded w/tight gry fine-grn ss. Top Kirtland 1895.</u>
<u>2910</u>	<u>3303</u>	<u>393</u>	<u>Fruitland formation. Gry carb sh, scattered coals and gry, tight, fine-grn ss. Top Fruitland 2910.</u>
<u>3303</u>	<u>3373</u>	<u>70</u>	<u>Pictured Cliffs formation. Gry, fine-grn, tight, varicolored soft ss. Top Pictured Cliffs 3303.</u>
<u>3373</u>	<u>5116</u>	<u>1743</u>	<u>Lewis formation. Gry to wh dense sh w/silty to shaly ss breaks. Top Lewis 3373.</u>
<u>5116</u>	<u>5208</u>	<u>92</u>	<u>Cliff House ss. Gry, fine-grn, dense sil ss. Top of Cliff House 5116.</u>
<u>5208</u>	<u>5552</u>	<u>344</u>	<u>Manefee formation. Gry, fine-grn s, carb sh and coal. Top Manefee 5208.</u>
<u>5552</u>	<u>5708</u>	<u>156</u>	<u>Point Lookout formation. Gry, very fine sil ss w/frequent sh breaks. Top Point Lookout 5552.</u>
<u>5708</u>	<u>5817</u>	<u>109</u>	<u>Mancos formation. Gry carb sh. Top Mancos 5708.</u>
	<u>5817</u>	<u>39</u>	

