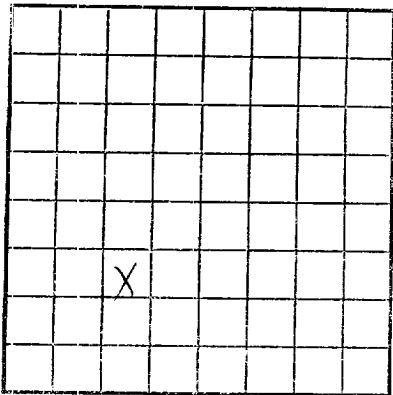


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078049
LEASE OR PERMIT TO PROSPECT _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico
Lessor or Tract Hughes Field Blanco State New Mexico
Well No. 6-A Sec. 33 T. 29N R. 8W Meridian NMPM County San Juan
Location 1400 ft. ^(N.) of S Line and 1800 ft. ^(E.) of W Line of Section 33 Elevation 6322
(Derives 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 September 25, 1953

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

Commenced drilling July 17, 1953. Finished drilling August 7, 1953.

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2867 to 2950 (G) No. 4, from 5084 to 5204 (G)
No. 2, from 4495 to 4623 (G) No. 5, from _____ to _____
No. 3, from 4623 to 5084 (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>8rd</u>	<u>ARMCO</u>	<u>162</u>	<u>Baker</u>				<u>Surface</u>
<u>7</u>	<u>23</u>	<u>8rd</u>	<u>Foreign</u>	<u>717</u>	<u>Baker</u>				<u>Prod. csg.</u>
<u>7</u>	<u>20</u>	<u>8rd</u>	<u>Spang</u>	<u>3703</u>					<u>Prod. csg.</u>
<u>2</u>	<u>4.7</u>	<u>8rd</u>	<u>Youngston</u>	<u>6183</u>					<u>Prod. tbg.</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>173</u>	<u>125</u>	<u>Circ</u>		
<u>7</u>	<u>4430</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>Quart</u>	<u>Reg</u>	<u>SNG</u>	<u>1772</u>	<u>8-7-53</u>	<u>4430-5212</u>	<u>5230</u>

TOOLS USED

Gas Drilling

Rotary tools were used from 0 feet to 4430 feet, and from 4430 feet to 5230 feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

August 8, 1953 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 4,070,000 Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. 1073

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>578</u>	<u>578</u>	<u>Tan crs-grn ss w/thin sh breaks.</u>
<u>578</u>	<u>767</u>	<u>189</u>	<u>Variegated sh w/thin ss breaks.</u>
<u>767</u>	<u>1910</u>	<u>1143</u>	<u>Tan to gr crs-grn ss interbedded w/gr sh.</u>
<u>1910</u>	<u>2016</u>	<u>106</u>	<u>Ojo Alamo ss. Wh crs-grn sd. Top Ojo Alamo 1910.</u>
<u>2016</u>	<u>2586</u>	<u>570</u>	<u>Kirtland formation. Gr sh interbedded w/tight gr f-grn ss. Top Kirtland 2016.</u>
<u>2586</u>	<u>2867</u>	<u>281</u>	<u>Fruitland formation. Gr carb sh, scattered coals & gr, tight f-grn ss. Top Fruitland 2586,</u>
<u>2867</u>	<u>2950</u>	<u>83</u>	<u>Pictured Cliffs formation. Gr, f-grn, tight, varicolored soft ss. Top Pictured Cliffs 2867.</u>
<u>2950</u>	<u>4495</u>	<u>1545</u>	<u>Lewis formation. Gr-wh dense sh w/slty-shly ss breaks. Top Lewis 2950.</u>
<u>4495</u>	<u>4623</u>	<u>128</u>	<u>Cliff House ss. Gr, f-grn, dense sil ss. Top Cliff House 4495.</u>
<u>4623</u>	<u>5084</u>	<u>461</u>	<u>Menefee formation. Gr, f-grn sd, carb sh & coal. Top Menefee 4623.</u>
<u>5084</u>	<u>5204</u>	<u>120</u>	<u>Point Lookout formation. Gr, v f sil ss w/ frequent sh breaks. Top Point Lookout 5084.</u>
<u>5204</u>	<u>5230</u>	<u>26</u>	<u>Mancos formation. Gr carb sh. Top Mancos 5204.</u>

FORMATION RECORD—continued

[illegible]

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 piers 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

U. S. GOVERNMENT PRINTING OFFICE