

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078503
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
FEB 25 1953
U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company El Paso Natural Gas Company Address Box 997 Farmington, New Mexico
Lessor or Tract Marshall Field Blanco State New Mexico
Well No. 1 Sec. 19 T. 29N R. 7W Meridian N.M.P.M. County Rio Arriba
Location 1450 ft. N. of S Line and 825 ft. E. of W Line of Section 19 Elevation 6725
(Derrick floor relative to base of well)

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

Date February 23, 1953

Title Petroleum Engineer

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

Commenced drilling December 12, 1952 Finished drilling January 23, 1953

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3375 to 3440 (G) No. 4, from 5590 to 5669 (G)
No. 2, from 5012 to 5197 (G) No. 5, from _____ to _____
No. 3, from 5197 to 5590 (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</u>	<u>S.W.</u>	<u>162'</u>	<u>HOWCO</u>				<u>Surface</u>
<u>7"</u>	<u>23</u>	<u>8</u>	<u>S.W.</u>	<u>167'</u>	<u>HOWCO</u>				<u>Prod. log.</u>
HISTORY OF OIL OR GAS WELL									
<u>2"</u>	<u>4.7</u>	<u>8</u>	<u>Tenmet</u>	<u>5745'</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>167'</u>	<u>125</u>	<u>Circulated</u>		
<u>7"</u>	<u>5003'</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>1455</u>	<u>1-23-53</u>	<u>5105-5775</u>	<u>5775</u>

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from Gas Drill bit feet
Cable tools were used from 0 feet to 5003 feet, and from 5003 feet to 5775 feet

DATES

_____, 19____ 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 _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. 2,630,000

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>400</u>	<u>400</u>	<u>Tan cr-grn ss w/thin sh breaks.</u>
<u>400</u>	<u>1144</u>	<u>744</u>	<u>Variegated sh w/thin ss breaks.</u>
<u>1144</u>	<u>2410</u>	<u>1266</u>	<u>Tan to gry cr-grn ss interbedded w/gry sh.</u>
<u>2410</u>	<u>2545</u>	<u>135</u>	<u>Ojo Alamo ss. Wh cr-grn s.</u>
<u>2545</u>	<u>3120</u>	<u>575</u>	<u>Kirtland formation. Gry sh interbedded w/tight gry fine-grn ss. Top Kirtland 2545.</u>
<u>3120</u>	<u>3375</u>	<u>255</u>	<u>Fruitland formation. Gry carb sh, scattered coal and gry, tight, fine-grn ss. Top Fruitland 3120.</u>
<u>3375</u>	<u>3440</u>	<u>65</u>	<u>Pictured Cliffs formation. Gry, fine-grn, tight, varicolored soft ss. Top Pictured Cliffs 3375.</u>
<u>3440</u>	<u>5012</u>	<u>1572</u>	<u>Lewis formation. Gry to white dense sh w/silty t shaly ss breaks. Top Lewis 3440.</u>
<u>5012</u>	<u>5197</u>	<u>185</u>	<u>Cliff House ss. Gry, fine-grn, dense siliceous ss. Top Cliff House 5012.</u>
<u>5197</u>	<u>5590</u>	<u>393</u>	<u>Manefee formation. Gry, fine-grn s, carb sh and coal. Top Manefee 5197.</u>
<u>5590</u>	<u>5669</u>	<u>79</u>	<u>Point Lookout formation. Gry, very fine sil ss w/frequent sh breaks.</u>
<u>5669</u>	<u>5775 T.D.</u>	<u>106</u>	<u>Mancos formation. Gry carb sh. Top Mancos 5669.</u>