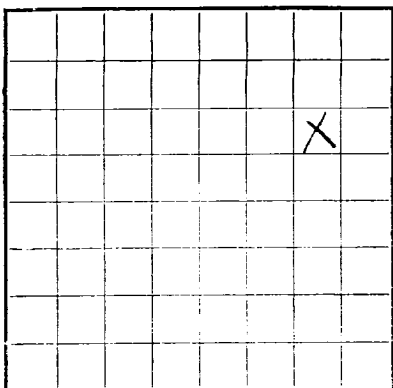


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 079000-A
LEASE OR PERMIT TO PROSPECT



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 997 Farmington, New Mexico
Lessor or Tract Mc Culley Field Blanco State New Mexico
Well No. 1-A Sec. 14 T. 30N R. 7W Meridian N. M. P. M. County Rio Arriba
Location 1650 ft. S. of N. Line and 990 ft. W. of E. Line of Section 14 Elevation 6277
(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 E. M. Welch

Date May 29, 1953 Title Petroleum Engineer.

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

Commenced drilling April 13, 1953 Finished drilling May 2, 1953

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

No. 1, from 3185 to 3252 (G) No. 4, from 5378 to 5534 (G)
No. 2, from 5045 to 5127 (G) No. 5, from _____ to _____
No. 3, from 5127 to 5378 (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>S. W.</u>	<u>ARMO</u>	<u>162'</u>	<u>ARMO</u>				<u>Surface</u>
<u>7"</u>	<u>23</u>	<u>8 RD</u>	<u>Spang</u>	<u>4949'</u>	<u>SAKIN</u>				<u>Prod. Csg.</u>
<u>2"</u>	<u>4.7</u>	<u>8 RD</u>	<u>Youngst.</u>	<u>5590'</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>172'</u>	<u>180</u>	<u>Circulated</u>		
<u>7"</u>	<u>4959'</u>	<u>300</u>	<u>Sing. 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>1485</u>	<u>5-4-53</u>	<u>5010-5630</u>	<u>5630</u>

TOOLS USED

Rotary tools were used from 0 feet to 4959 feet, and from 4959 Gas Drilling feet to 5630 feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____ , 1953 Put to producing _____ , 19_____
May 5
The production for the first 24 hours was _____ barrels of fluid of which _____ % was oil: _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. _____

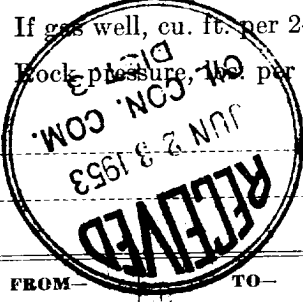
If gas well, cu. ft. per 24 hours 3,020,000 Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, 1119 psi per sq. in. _____

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>732</u>	<u>732</u>	<u>Tan cr-grn ss w/thin sh breaks.</u>
<u>732</u>	<u>1268</u>	<u>536</u>	<u>Variegated sh w/thin ss breaks.</u>
<u>1268</u>	<u>2190</u>	<u>922</u>	<u>Tan to gry cr-grn ss interbedded w/gry sh.</u>
<u>2190</u>	<u>2308</u>	<u>118</u>	<u>Ojo Alamo ss. Wh cr-grn s. Top Ojo Alamo 2190.</u>
<u>2308</u>	<u>2792</u>	<u>484</u>	<u>Kirtland formation. Gry sh interbedded w/tight gry fine-grn ss. Top Kirtland 2308.</u>
<u>2792</u>	<u>3185</u>	<u>393</u>	<u>Fruitland formation. Gry carb sh, scattered coals and gry, tight, fine-grn ss. Top Fruitland 2792.</u>
<u>3185</u>	<u>3252</u>	<u>67</u>	<u>Pictured Cliffs formation. Gry, fine-grn, tight, varicolored soft ss. Top Pictured Cliffs 3185.</u>
<u>3252</u>	<u>5045</u>	<u>1793</u>	<u>Lewis formation. Gry to wh dense sh w/silty to shaly ss breaks. Top Lewis 3252.</u>
<u>5045</u>	<u>5127</u>	<u>82</u>	<u>Cliff House ss. Gry, fine-grn, dense sil ss. Top of Cliff House 5045.</u>
<u>5127</u>	<u>5378</u>	<u>252</u>	<u>Manefee formation. Gry, fine-grn s, carb sh and coal. Top Manefee 5127.</u>
<u>5378</u>	<u>5534</u>	<u>156</u>	<u>Point Lookout formation. Gry, very fine sil ss w/frequent sh breaks. Top Point Lookout 5378.</u>
<u>5534</u>	<u>5630</u>	<u>96</u>	<u>Mancos formation. Gry carb sh. Top Mancos 5534.</u>



FOLD MARK