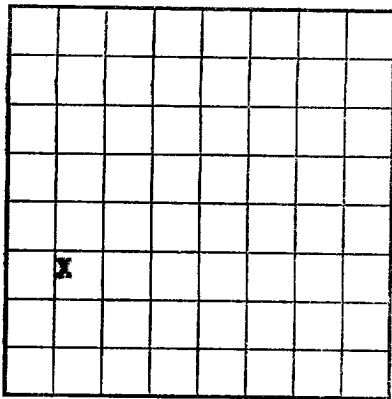


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 977092
LEASE OR PERMIT TO PROSPECT _____

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 Lacey Field Bianco-La Plata State New Mexico
Well No. 2-A Sec. 12 T. 29N R. 10W Meridian N. M. P. M. County San Juan
Location 650 ft. N. of 8 Line and 90 ft. E. of 4 Line of Section 12 Elevation 4223
(Derivat 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 D. E. LockhartDate September 10, 1952 Title Petroleum Engineer

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

Commenced drilling April 26, 1952 Finished drilling August 20, 1952

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2203 to 2273 (G) No. 4, from _____ to _____
No. 2, from 3822 to 4570 (G) No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 1058 to 1151 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>Lucas</u>	<u>160</u>	<u>BLWCO</u>				<u>Surface</u>
<u>7</u>	<u>23</u>	<u>8</u>	<u>Lucas</u>	<u>3780</u>	<u>BLWCO</u>				<u>Production</u>
<u>No Production Tubing</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>175</u>	<u>125</u>	<u>Circulated</u>		
	<u>3790</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>Quartz</u>	<u>Regular</u>	<u>S.W.S.</u>	<u>1665</u>	<u>8-20</u>	<u>3820-4590</u>	

TOOLS USED

Rotary tools were used from 0 feet to 3790 feet, and from Gas Circulation feet to 4650 feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

September 5, 1952 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 3,460,000 Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 1090

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>390</u>	<u>390</u>	<u>Variegated shales w/ thin ss. breaks.</u>
<u>390</u>	<u>1058</u>	<u>668</u>	<u>Tan to gray coarse-grained ss. interbedded w/ gray shales.</u>
<u>1058</u>	<u>1151</u>	<u>93</u>	<u>Ojo Alamo ss. White coarse-grained sand. T/Ojo Alamo 1058.</u>
<u>1151</u>	<u>1875</u>	<u>724</u>	<u>Kirtland fm. Gray shale interbedded w/ tight gray fine-grained ss. T/Kirtland 1151.</u>
<u>1875</u>	<u>2203</u>	<u>328</u>	<u>Fruitland fm. Gray carb. shales, scattered coals and gray, tight, fine-grained ss. T/Fruitland 1875.</u>
<u>2203</u>	<u>2273</u>	<u>70</u>	<u>Pictured Cliffs fm. Gray, fine-grained, tight, varicolored soft ss. T/Pictured Cliffs 2203.</u>
<u>2273</u>	<u>3822</u>	<u>1549</u>	<u>Lewis fm. Gray to white dense shale w/ silty to shaly ss. breaks. T/Lewis 2273.</u>
<u>3822</u>	<u>3957</u>	<u>135</u>	<u>Cliff House sandstone. Gray, fine-grained, dense sil. ss. T/Cliff House 3822.</u>
<u>3957</u>	<u>4453</u>	<u>496</u>	<u>Minefee fm. Gray, fine-grained sands, carb. shale and coal. T/Minefee 3957.</u>
<u>4453</u>	<u>4570</u>	<u>117</u>	<u>Point Lookout fm. Gray, very fine sil. ss. w/ frequent shale breaks. T/Point Lookout 4453.</u>
<u>4570</u>	<u>4590 T.D.</u>	<u>20</u>	<u>Mancos fm. Gray carb. shale. T/Mancos 4570.</u>

