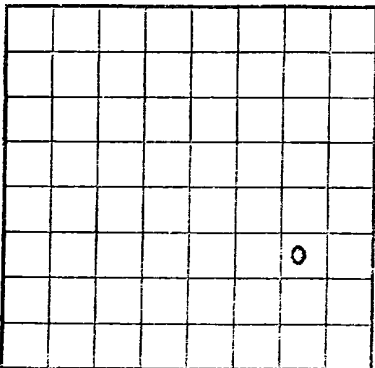


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 077875
LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Co. Address P.O. Box 997 Farmington
Lessor or Tract Rowley Field Balcher-Kutz State New Mexico
Well No. 3 Sec. 7 T. 27N R. 10W Meridian N.M.P.M. County San Juan
Location 1650 ft. ^(N.) of S Line and 300 ft. ^(W.) of E Line of Section 7 Elevation 5907'
_(Derrick floor 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 _____ Original Signed E. J. Cogg

Date February 3, 1953 Title Petroleum Engineer

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

Commenced drilling November 30, 1952 Finished drilling December 4, 1952

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

No. 1, from 1712 to 1785 (G) No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 680 to 801 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		Purpose
						From	To	
<u>8 5/8</u>	<u>24</u>	<u>8</u>	<u>Spring</u>	<u>116'</u>	<u>HOWCO</u>			<u>Surface Prod. casg.</u>
<u>5 1/2</u>	<u>13.5</u>	<u>8</u>	<u>Spring</u>	<u>1710'</u>	<u>HOWCO</u>			
<u>1"</u>	<u>1.68</u>	<u>8</u>	<u>Std. B.H.</u>	<u>1816'</u>				<u>Prod. tubing</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8 5/8</u>	<u>122</u>	<u>75</u>	<u>Circulated</u>		
<u>5 1/2</u>	<u>1716</u>	<u>150</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>240</u>	<u>12-8</u>	<u>1722'-1820'</u>	<u>1820'</u>

TOOLS USED

Rotary tools were used from 0 feet to 1820' feet, and from _____ feet to _____ feet
Cable tools were used from 1716 feet to 1820' feet, and from clean out and shoot feet to _____ feet

DATES

December 17, 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 560,000 Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. 479

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>240</u>	<u>240</u>	<u>Tan coarse-grn ss W/thin sh breaks.</u>
<u>240</u>	<u>460</u>	<u>220</u>	<u>Variegated sh W/thin ss breaks.</u>
<u>460</u>	<u>680</u>	<u>220</u>	<u>Tan to gry coarse-grn ss interbedded W/gry sh.</u>
<u>680</u>	<u>801</u>	<u>121</u>	<u>Ojo Alamo ss. White coarse-grn sand. Top Ojo Alamo 680.</u>
<u>801</u>	<u>1400</u>	<u>599</u>	<u>Kirtland formation. Gry sh interbedded W/ gry tight fine-grn ss. Top Kirtland 801.</u>
<u>1400</u>	<u>1712</u>	<u>312</u>	<u>Fruitland formation. Gry carb sh, scattered coals and gry, tight fine-grn ss. Top Fruitland 1400.</u>
<u>1712</u>	<u>1785</u>	<u>73</u>	<u>Pictured Cliffs formation. Gry, fine-grn, tight, varicolored soft ss. Top Pictured Cliffs 1712.</u>
<u>1785</u>	<u>1820</u>	<u>35</u>	<u>Lewis formation. Gry to white dense sh W/silty to shaly ss breaks. Top Lewis 1785.</u>

HISTORY OF OIL OR GAS WELL

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 plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

(—4302—97)

B. S. GOVERNMENT PRINTING OFFICE

FROM—

—OL

TOTAL FEET

FORMATION