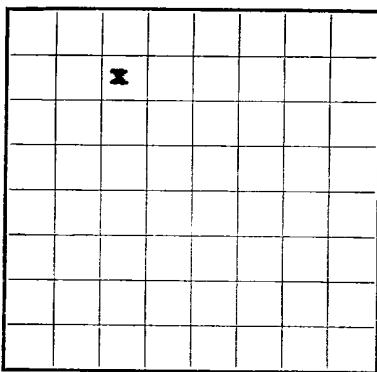




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078640
LEASE OR PERMIT TO PROSPECT _____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 San Juan 23-7 Unit Field So. Blanco P.C. State New Mexico
Well No. 90 Sec. 21 T. 27N R. 7W Meridian N.M.P.M. County Rio Arriba
Location 1112 ft. N of N Line and 1650 ft. E of W Line of Sec. 21 Elevation 6532'
(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.Original Signed D. C. Johnston

Signed _____

Date March 3, 1958Title Petroleum Engineer

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

Commenced drilling 1-27-, 19 58 Finished drilling 2-1-, 19 58

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2933 to 3028 (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 _____ 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>8 5/8"</u>	<u>24</u>	<u>8 Rd.</u>	<u>J-55</u>	<u>119'</u>	<u>Hawco</u>				<u>Surface</u> <u>Prod. seg.</u>
<u>5 1/2"</u>	<u>15.5</u>	<u>8 Rd.</u>	<u>J-55</u>	<u>3031'</u>	<u>Baker</u>				
<u>1 1/4"</u>	<u>2.4</u>	<u>8 Rd.</u>	<u>Grace #1</u>	<u>2988'</u>					<u>Siphon</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>129'</u>	<u>100</u>	<u>circulated</u>		
<u>5 1/2"</u>	<u>3041'</u>	<u>150</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

See Well History

TOOLS USED

Rotary tools were used from 0 feet to 3050 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____ 2-9-, 19 58 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 867,000 Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 997 A.O.F.—871 MCF/D

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>2103</u>	<u>2103</u>	<u>Tan to gry cr-grn ss interbedded w/gry sh.</u>
<u>2103</u>	<u>2266</u>	<u>163</u>	<u>Ojo Alamo ss. White cr-grn s.</u>
<u>2266</u>	<u>2722</u>	<u>456</u>	<u>Kirtland form. Gry sh interbedded w/tight, gry fine-grn ss.</u>
<u>2722</u>	<u>2933</u>	<u>211</u>	<u>Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.</u>
<u>2933</u>	<u>3028</u>	<u>95</u>	<u>Pictured Cluffs form. Gry, fine-grn, tight, varicolored soft ss.</u>
<u>3028</u>	<u>3050</u>	<u>22</u>	<u>Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.</u>

FORMATION RECORD—Continued

[illegible]

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.

2-7-58 TD 30501, CONTD 30181, Fixed P.C. part. Int. 2934-44, 2950-64, 2984-3004 (2 SPF) w/39,500 gal. water & 40,000 sand, BHT 3000#, max. dr. 3000#, avg. tr. pr. 1800#. I.B. 51.7 BHM. Used no balls.

