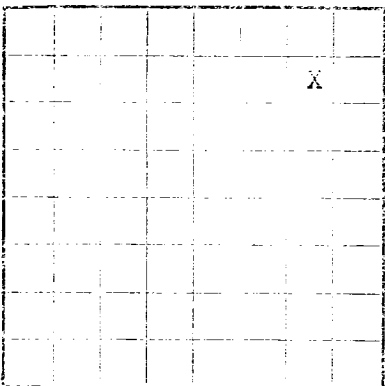


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 070665
LEASE OR PERMIT TO PROSPECT



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 990, Farmington, New Mexico
Lessor or Tract Canyon Largo Unit Field S. Blanco F.C. State New Mexico
Well No. 90 Sec. 1 T. 25N. R. 3M. Meridian N.M.I.M. County Rio Arriba
Location 690 ft. S. of 4 Line and 990 ft. W. of 1 Line of Section 1 Elevation 6650'
(Denote spot elevations 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 _____

Date June 27, 1960 Title Petroleum Engineer

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

Commenced drilling 5-2, 1960 Finished drilling 5-13, 1960

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2826 to 2909 (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>97</u>	<u>Howco</u>				<u>Surface</u>
<u>2 7/8</u>	<u>6.4</u>	<u>8 Rd.</u>	<u>J-55</u>	<u>2910</u>	<u>Baker</u>				<u>Prod. Csg.</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>100</u>	<u>34</u>	<u>Circulated</u>		
<u>2 7/8</u>	<u>2920</u>	<u>60</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 _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____ Put to producing _____, 19____
5-21 60

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. _____ A.C.F. = 1392 MCF/D

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
	<u>2221</u>	<u>2221</u>	<u>Tan to gry cr-grn ss interbedded w/gry sn.</u>
<u>2221</u>	<u>2403</u>	<u>182</u>	<u>Ojo Alamo ss. White cr-grn s.</u>
<u>2403</u>	<u>2637</u>	<u>234</u>	<u>Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.</u>
<u>2637</u>	<u>2826</u>	<u>189</u>	<u>Fruitland form. Gry carb sn, scattered coals, coals and gry, tight, fine-grn ss.</u>
<u>2826</u>	<u>2909</u>	<u>83</u>	<u>Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.</u>
<u>2909</u>	<u>2923</u>	<u>14</u>	<u>Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.</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.

5-18-60 Perf. Incurred cliffs w/2 BM/st. at 2826-32; 2836-44; 2864-76. Treated with 20,000 gallons 1% calcium chloride, # J-2/1000 gal., 10,000# 10-20 sand, flush w/1260 gal. water. I.R. 17 BFM, Max, pr. 2400#, BD pr. 3300#, tr. pr. 2200-2400#. Dropped 3 sets of 10 balls for 4 stuges. 30 gal. MCA in cement displacement, flowed back 30 minutes and died.