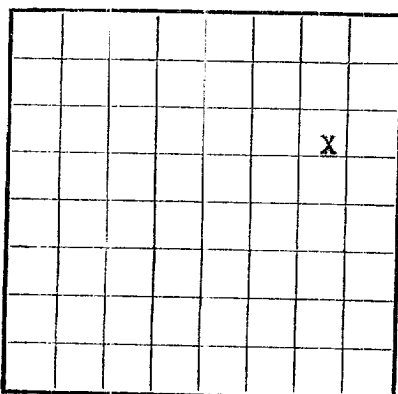
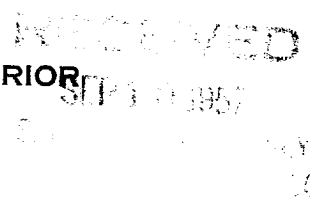




LOCATE WELL CORRECTLY

U. S. LAND OFFICE SF
SERIAL NUMBER 077123
LEASE OR PERMIT TO PROSPECTUNITED 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 Warren Field Blanco M.V. Aztec P.C. Ext. New Mexico
Well No. 4 (FM) Sec. 14 T. 28N R. 9W Meridian NMPM County San Juan
Location 1700 ft. N of N Line and 1090 ft. W of E Line of Sec. 14 Elevation 6091
(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 Original Signed D. C. JohnsonDate September 5, 1957Title Petroleum Engineer

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

Commenced drilling 4-16, 1957 Finished drilling 7-10, 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2428 to 2532 (G) No. 4, from 4686 to 4927 (G)
No. 2, from 4045 to 4129 (G) No. 5, from _____ to _____
No. 3, from 4129 to 4686 (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>10 3/4</u>	<u>32.75</u>	<u>8</u>	<u>SW</u>	<u>162</u>	<u>HMC</u>				<u>Surface</u>
<u>7 5/8</u>	<u>26.40</u>	<u>8</u>	<u>J-55</u>	<u>2607</u>	<u>Baker</u>				<u>Intermediate</u>
<u>5 1/2</u>	<u>15.5</u>	<u>8</u>	<u>J-55</u>	<u>2340</u>	<u>Baker</u>				<u>Prod. Csg.</u>
<u>2</u>	<u>4.7</u>	<u>8</u>	<u>J-55</u>	<u>4753</u>					<u>Prod. Tbg.</u>
<u>1 1/4</u>	<u>2.3</u>	<u>8</u>	<u>Grade B</u>	<u>2473</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>10 3/4</u>	<u>174</u>	<u>150</u>	<u>Circulated</u>		
<u>7 5/8</u>	<u>2618</u>	<u>250</u>	<u>Single Stage</u>		
<u>5 1/2</u>	<u>2574-4927</u>	<u>300</u>	<u>Single Stage</u>		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size Baker "EGJ" Production packer at 2623

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

See Well History

TOOLS USED

Rotary tools were used from 175 feet to 2620 feet, and from 2620 feet to 4927 feet Gas Drilled
Cable tools were used from 0 feet to 175 feet, and from _____ feet to _____ feet

DATES

7-1, 1957 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 P.C. 3235 Gallons gasoline per 1,000 cu. ft. of gas None
MV 5785

Rock pressure, lbs. per sq. in. 630 Ch. Vol. = P. C. 2981 MCF/D
M. V. 4109

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>1381</u>	<u>1381</u>	<u>Tan to gry cr-grn ss interbedded w/gry sh.</u>
<u>1381</u>	<u>1514</u>	<u>133</u>	<u>Ojo Alamo ss. White cr-grn s.</u>
<u>1514</u>	<u>2160</u>	<u>646</u>	<u>Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.</u>
<u>2160</u>	<u>2428</u>	<u>268</u>	<u>Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.</u>
<u>2428</u>	<u>2532</u>	<u>104</u>	<u>Pictured Cliff's form. Gry, fine-grn, tight varicolored soft ss.</u>
<u>2532</u>	<u>4045</u>	<u>1513</u>	<u>Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.</u>
<u>4045</u>	<u>4129</u>	<u>84</u>	<u>Cliff House ss. Gry, fine-grn, dense sil ss.</u>
<u>4129</u>	<u>4686</u>	<u>557</u>	<u>Mesefee form. Gry, fine-grn s, carb sh & coal.</u>
<u>4686</u>	<u>4927</u>	<u>241</u>	<u>Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.</u>

FORMATION RECORD—Continued

16-48094-2 U. S. GOVERNMENT PRINTING OFFICE

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.

7-14-57 C.O.T.D. 4820'. Perf. w/2DJ/ft. Int. 4642-72; 4688-4710; 4720-36; 4762-74; 4800-16; water frac. P.L. & L/Men. w/62,560 gal. water, 60,000# sand, flush w/10,000 gal. water. IR 69.1 RPM. RP 2100; tr. 1400; 1800; 2500. Max. tr. pr. 3000#. Dropped 22 balls 7 times (8 stages.)

7-14-57 B.P. @ 4000'. Perf. W/2BJ/ft. Int. 2454-90. Water frac. P. C. w/42,000 gal water, 40,000# sand, flush w/5000 gal. water. IR 81.3 BPM. HD. 2100, tr. 1000, max. tr. pr. 1300.

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