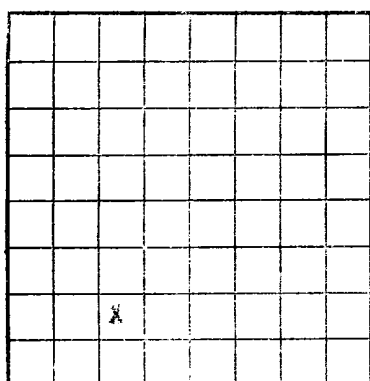




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 572800
LEASE OR PERMIT TO PROSPECTUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company New Mexico Natural Gas Company Address Box 997, Farmington, New Mexico
Lessor or Tract Crembling Field Bianco-La Plata State New Mexico
Well No. 2-C Sec. 14 T. 30N R. 10E Meridian N. M. P. M. County San Juan
Location 100 ft. N. of S Line and 152 ft. E. of W Line of Section 14 Elevation 5502 ft.
(Davies 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 E. J. COLE
Date November 14, 1952 Title Petroleum Engineer

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

Commenced drilling March 31, 1952 Finished drilling August 12, 1952

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3118 to 3135 (G) No. 4, from 3344 to 5502 (G)
No. 2, from 432 to 432 (G) No. 5, from _____ to _____
No. 3, from 432 to 5344 (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>9-5/8</u>	<u>36</u>	<u>3</u>	<u>Armco</u>	<u>167</u>	<u>HWCC</u>				<u>Surface</u>
<u>5-1/2</u>	<u>15.3</u>	<u>3</u>	<u>Armco</u>	<u>4677</u>	<u>HWCC</u>				<u>Production</u>
<u>2</u>	<u>4</u>	<u>0</u>	<u>Young</u>	<u>5344</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>9-5/8</u>	<u>177</u>	<u>185</u>	<u>Circulated</u>		
<u>5-1/2</u>	<u>46</u>	<u>300</u>	<u>Single</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>4-1/2</u>	<u>Regular</u>	<u>S.H.S.</u>	<u>1735</u>	<u>8-12</u>	<u>4732-5502</u>	<u>5502</u>

TOOLS USED

Gas Circulation

Rotary tools were used from 0 feet to 4687 feet, and from 4687 feet to 5502 feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

November 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 4,135,000 Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. 1045 psig

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>472</u>	<u>472</u>	<u>San coarse-grn. ss. w/ thin shale breaks.</u>
<u>472</u>	<u>1420</u>	<u>948</u>	<u>Variog. shales w/ thin ss. breaks.</u>
<u>1420</u>	<u>1812</u>	<u>392</u>	<u>Tan to gry. coarse-grn. ss. interbedded w/ gry sh.</u>
<u>1812</u>	<u>1930</u>	<u>118</u>	<u>Alamo ss. white coarse-grn. sand. T/C, 0</u>
<u>1930</u>	<u>2765</u>	<u>835</u>	<u>Alamo 1812.</u>
<u>2765</u>	<u>3118</u>	<u>353</u>	<u>Kirtland Fm. Gry. sh. interbedded w/ tight, gry. fine-grn. ss. T/Kirtland 1930.</u>
<u>3118</u>	<u>3185</u>	<u>67</u>	<u>Fruitland Fm. Gry. carb. sh., scattered coals & gry. tight, fine-grn. ss. T/Fruitland 2765.</u>
<u>3185</u>	<u>4732</u>	<u>1547</u>	<u>Pictured Cliffs Fm. Gry., fine-grn., tight, vari colored soft ss. T/Pictured Cliffs 3118.</u>
<u>4732</u>	<u>4800</u>	<u>156</u>	<u>Lewis Fm. Gray to white dense ss. w/ silty to shaly ss. breaks. T/Lewis 3185.</u>
<u>4800</u>	<u>5344</u>	<u>456</u>	<u>Cliff House ss. Gry., fine-grn. dense sil. ss. T/Cliff House 4732.</u>
<u>5344</u>	<u>5502 T.D.</u>	<u>158</u>	<u>Manefee Fm. Gray, fine-grn. sands, carb. sh. & coal. T/Manefee 4800.</u>
			<u>Point Lookout Fm. Gry., very fine sil. ss. w/ frequent sh. breaks. T/Point Lookout 5344.</u>

NEW YORK, N.Y., April 29, 1961

ORIGINAL DOCUMENT

CONFIDENTIAL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of re-drilling, together with the reasons for the work and its results. If there were any changes made in the casing, materially, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, place, 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.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE

1. SCOPE OF THE STUDY

SECRET

FORMATION

TOTAL FEET

—OL

-WOW-