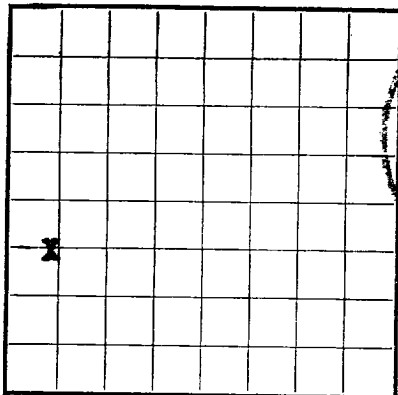
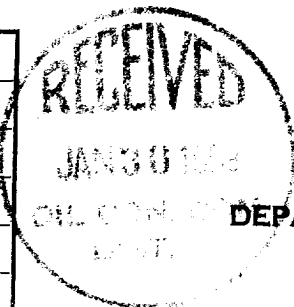




LOCATE WELL CORRECTLY



UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

U. S. LAND OFFICE NavajoSERIAL NUMBER 14-20-603-2034

LEASE OR PERMIT TO PROSPECT

RECEIVED

JAN 28 1959

LOG OF OIL OR GAS WELL

Company Humble Oil & Refining Company Address Box 1268, Farmington, New Mexico
Lessor or Tract Navajo Tribe of Indians "F" Field Chimney Rock State New Mexico
Well No. 3 Sec. 4 T 31N R. 17W Meridian County San Juan
Location 1980 ft. ^[N.] of 3 Line and 660 ft. ^[E.] of W Line of Sec. 4 Elevation 5277' GR.
(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 Russell M. LillyDate January 27, 1959Title Agent

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

Spudder Unit 12-27-58
Commenced drilling 1-7-59, 19 Finished drilling 12-27-58
1-12-59, 19

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1084' to 1100' No. 4, from _____ to _____No. 2, from 1105' to 1116' No. 5, from _____ to _____

No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from None Detected 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 pipe	Cut and pulled from	Perforated		Purpose
							From—	To—	
<u>7-5/8"</u>	<u>26.1#</u>	<u>8R</u>	<u>J-55</u>	<u>42'</u>					
<u>4 1/2"</u>	<u>9.5#</u>	<u>8R</u>	<u>J-55</u>	<u>1126'</u>	<u>HWC</u>		<u>1084'</u>	<u>1100'</u>	<u>Pred.</u>
							<u>1105'</u>	<u>1116'</u>	<u>Pred.</u>
<u>2"</u>	<u>4.7#</u>	<u>8R</u>	<u>J-55</u>	<u>1057'</u>	<u>OIL OR GAS SANDS</u>				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>7-5/8"</u>	<u>43'</u>	<u>5 sx Reg.</u>	<u>Pumped</u>		
<u>4 1/2"</u>	<u>1127'</u>	<u>70 sx. Reg. w/1% Cal.</u>	<u>Pumped</u>	<u>Drl. w/air.</u>	
		<u>Chl. added.</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>None</u>						

TOOLS USED

Rotary tools were used from 44' feet to 1136' TB feet, and from _____ feet to _____ feet~~Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet~~

Spudder Unit _____

DATES

_____ Jan. 25, 1959 Put to producing _____ Jan. 26, 1959

The production for the first 24 hours was 117 barrels of fluid of which 100 % was oil; 0 %emulsion; 0 % water; and 2 % sediment. GOR 129 Gravity, °Bé. 39.4 Corr.Produced 15.1 MCF of Gas; pumping 16-24" SPM.

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Weldon Griffin, Driller, Mountain Service Corp.Messers. Durham, Smith & Fowler Driller, Graystone Drilling Co.

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>750</u>	<u>750</u>	<u>Shale</u>
<u>751</u>	<u>1136 TD</u>	<u>385</u>	<u>Sand & Shale</u>
			<u>ONLY TOP</u>
			<u>Lower Gallup @ 1084'.</u>

1. The first of these is the fact that the
2. Government of the United States has
3. been unable to secure the cooperation
4. of the Government of the United Kingdom
5. in the investigation of the activities
6. of the German Government in the
7. United States. This is due to the
8. fact that the Government of the United
9. States has been unable to secure the
10. cooperation of the Government of the
11. United Kingdom in the investigation
12. of the activities of the German
13. Government in the United States.

NEW AND USED BOOKS

A blank sheet of graph paper with a grid pattern. The grid consists of small squares formed by horizontal and vertical lines. There are approximately 20 columns and 15 rows of squares visible. The paper has a slightly aged or off-white appearance.

[illegible]

A spudder unit was moved in on 12-27-58 and drilled an 8-3/4" hole to a depth of 44'. One joint of 7-5/8" 26-lb casing, 42' was set at 43' and was cemented with 5 sac. Reg. cement. Spudder unit was released on 12-27-58. Rotary Rig was moved in on 1-7-59 and a 6-1/2" hole was drilled with air to a depth of 1136' TD. At a depth of 483', fishing operations were necessary due to the drill pipe having been dropped. Fish was recovered and drilling was resumed to total depth of 1136' with air. 35 lbs. of 4" 9.5# casing, 1126' was set at 1126' and was cemented with 70 sac. Neat cement with 18 gal. chl. added. Plug on bottom 7:30 PM 1-12-59. WOC 24 hrs. and ran logs. Perforated 4 1/2" casing from 1084' to 1100' and from 1105' to 1116' with 2 jets per foot. Sand-oil treated with 20,000 gal. crude oil and 30,000# sand with 500# HOMO F-2 added. Avg. inj. rate of 31.2 bbls. per min. at 1200#. Well was shut in overnight and on 1-16-59, 2" tubing was run and set at 1098'. Ran rods and placed well on pump. All load oil was recovered and on production test, well produced 117 bbls. oil, pumping 16-27" SPN. 2% BEER, GOR 129, corr. Gravity 39.7, produced 15.1 MCF of gas. Completed as a pumping unit well 1-26-59.

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

HISTORY OF OIL OR GAS WELL

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

[illegible]