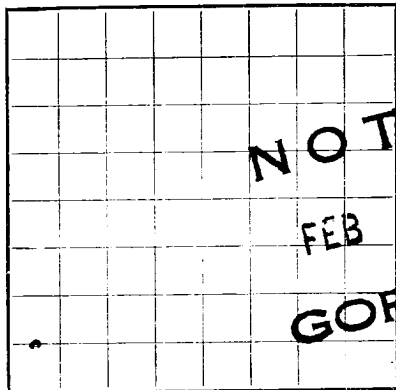


U. S. LAND OFFICE Los Cruces

SERIAL NUMBER 032452 (a)

LEASE OR PERMIT TO PROSPECT Hughes A-2



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PH 1 : 42

LOG OF OIL OR GAS WELL

Company Samedan Oil Corporation Address 502 V&J Tower Building, Midland, Texas
Lessor or Tract Hughes A-2 Field Langlie-Mattix State New Mexico
Well No. 9 Sec. 10 T. 23S R. 37E Meridian NMPM County Lea
Location 660 ft. N of S Line and 330 ft. E of W Line of Section 10 Elevation 3287.6 G.L.
(Berrick four 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 B. M. VACHAL
Date January 27, 1960 Title Division Engineer

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

Commenced drilling December 30, 1959 Finished drilling January 8, 1960

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3534' to 3550' No. 4, from 3584' to 3604'
No. 2, from 3554' to 3562' No. 5, from 3614' to 3618'
No. 3, from 3570' to 3576' No. 6, from 3622' to 3630'
No. 7, from 3641' to 3647'

IMPORTANT WATER SANDS

No. 1, from 110 to 280 No. 3, from _____ to _____
No. 2, from 630 to 910 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</u>	<u>Nat'l</u>	<u>375</u>	<u>Guide</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
<u>4-1/2</u>	<u>95</u>	<u>8</u>	<u>Nat'l</u>	<u>3658</u>	<u>F/L&Guide</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
<u>Note: 4-1/2" D.V. Tool at 1172</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>375</u>	<u>175</u>	<u>Pump & Plug</u>	<u>10.4#</u>	<u>Native</u>
<u>4-1/2</u>	<u>3658</u>	<u>150</u>	<u>Pump & Plug</u>	<u>10.1#</u>	<u>Chemical</u>
<u>4-1/2</u>	<u>D.V. 1172</u>	<u>150</u>	<u>Pump & Plug</u>	<u>10.1#</u>	<u>Chemical</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>—</u>	<u>—</u>					

TOOLS USED

Rotary tools were used from 0 feet to 3658 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

January 27, 1960 Put to producing January 25, 1960
The production for the first 3:05 hours was 46.1 barrels of fluid of which 100% was oil; 0% emulsion; 0% water; and 0% 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. _____

EMPLOYEES

B. G. Campbell, Driller T. E. Bingham, Driller
W. J. Bulkin, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>855'</u>	<u>855'</u>	<u>Caliche, Sand & Redbeds</u>
<u>855'</u>	<u>1767'</u>	<u>912'</u>	<u>Redbeds, Sand & Gyp</u>
<u>1767'</u>	<u>2858'</u>	<u>1091'</u>	<u>Anhydrite & Salt</u>
<u>2858'</u>	<u>3492'</u>	<u>634'</u>	<u>Dolomite, Anhydrite & Shale</u>
<u>3492'</u>	<u>3658'</u>	<u>166'</u>	<u>Sand & Dolomite w/oil stain & porosity in Sand.</u>
			<u>Top Yates=2685'</u>
			<u>Top Penrose=3492'</u>

ГОРЬКО

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.

HISTORY OF OIL OR GAS WELL

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

FORMATION RECORD-Continued