

U. S. LAND OFFICE Santa FeSERIAL NUMBER 079002

LEASE OR PERMIT TO PROSPECT

F. S. Standard Oil Co., Inc., 929

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

Deepening and Reoperation

## LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Blackwood & Nichols Company Address P.O. Box 1237, Durango, ColoradoLease or Tract 16-1 Field San Juan State New MexicoWell No. 12-18 Sec. 18 T. 30N R. 7W Meridian NATH County San JuanLocation 2500 ft. N of N Line and 2500 E of E Line of Section 18 Elevation 6295  
(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.Original Signed  
Signed Delancey Loos Title Field SuperintendentDate June 21, 1960

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

Commenced drilling April 22, 19 60 Finished drilling June 12, 19 60

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2900' to 3305' (G) No. 4, from 5030' to 5410' (G)No. 2, from 3305' to 3400' (G) No. 5, from 5410' to 5544' (G)No. 3, from 4995' to 5090' (G) No. 6, from 7590' to 7800' (G)

## 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 rd</u>	<u>Kat 1</u>	<u>220'</u>	<u>Guide</u>				<u>Surface</u>
<u>7"</u>	<u>20 1/2</u>	<u>8 rd</u>	<u>Kat 1</u>	<u>100'</u>	<u>Plug</u>				<u>Intermediate</u>
<u>5"</u>	<u>15</u>	<u>8 rd</u>	<u>Kat 1</u>	<u>100'</u>	<u>Plug</u>				<u>Production</u>
<u>2 1/2"</u>	<u>5.25</u>	<u>8 rd</u>	<u>Kat 1</u>	<u>100'</u>	<u>Plug</u>				<u> tubing</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>225'</u>	<u>200</u>	<u>Pump &amp; Plug</u>	<u>Water</u>	<u>Cement Circulated</u>
<u>7"</u>	<u>3001'</u>	<u>300</u>	<u>" "</u>		
<u>5"</u>	<u>7867'</u>	<u>425</u>	<u>" "</u>		<u>Top Cement</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>Sand-water crossed the Dakota, Point Lookout &amp; Cliffhouse Formations through casing perforations.</u>						

## TOOLS USED

Rotary tools were used from 0 feet to 7815' feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

\_\_\_\_\_, 19\_\_\_\_ 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 6474 (AOF) Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_Rock pressure, lbs. per sq. in. 800 Dakota Formation plugged and abandoned.Rate of flow through 3" choke after 3 hrs. was 2,751 MCF/D EMPLOYEES

\_\_\_\_\_, Driller \_\_\_\_\_, Driller

\_\_\_\_\_, Driller \_\_\_\_\_, Driller

## FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0'</u>	<u>900'</u>	<u>900'</u>	<u>San Juan</u>
<u>900'</u>	<u>2105'</u>	<u>1205</u>	<u>Animas</u>
<u>2105'</u>	<u>2250'</u>	<u>145</u>	<u>Alamo ss</u>
<u>2250'</u>	<u>2900'</u>	<u>650</u>	<u>Kirtland</u>
<u>2900'</u>	<u>3305'</u>	<u>405</u>	<u>Fruitland ss</u>
<u>3305'</u>	<u>3455'</u>	<u>105</u>	<u>Pictured Cliffs ss</u>
<u>3455'</u>	<u>4995'</u>	<u>1540</u>	<u>Lewis Shale</u>
<u>4995'</u>	<u>5090'</u>	<u>95</u>	<u>Cliffhouse ss</u>
<u>5090'</u>	<u>5410'</u>	<u>320</u>	<u>Mancos</u>
<u>5410'</u>	<u>5544'</u>	<u>134</u>	<u>Point Lookout ss</u>
<u>5544'</u>	<u>(7455')</u>	<u>1911</u>	<u>Mancos Shale</u>
<u>7455'</u>	<u>(7590')</u>	<u>135</u>	<u>Greenhorn ls</u>
<u>7590'</u>	<u>(7800)</u>	<u>210</u>	<u>Dakota ss</u>
<u>(7800)</u>	<u>-</u>	<u>-</u>	<u>Morrison</u>

