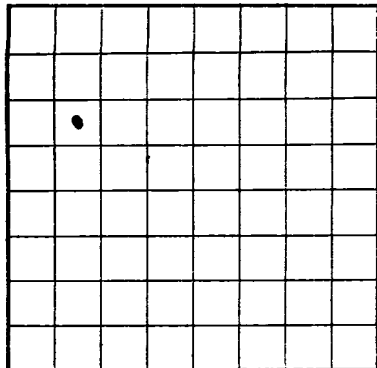


Form 9-380



LOCATE WELL CORRECTLY

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 077382
LEASE OR PERMIT TO PROSPECT _____
R. P. Hargrave

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Stanolind Oil and Gas Co. Address Box 591, Tulsa, Oklahoma
Lessor or Tract R. P. Hargrave Field Fulcher-Kutz State New Mexico
Well No. C-1 Sec. 3 T. 27 N. R. 10 W. Meridian NMPM County San Juan
Location 1650 ft. (S.) of N Line and 990 ft. (E.) of W Line of Section 3 Elevation 6090
(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 J. C. Sutton
Date July 24, 1951 Title Production Foreman

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

Commenced drilling June 17, 1951 Finished drilling June 27, 1951

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 2007 to 2090 (G) No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ 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"</u>	<u>34</u>	<u>8</u>	<u>Amoco</u>	<u>111</u>	<u>Slip Joint</u>				
<u>5 1/2"</u>	<u>17</u>	<u>8</u>		<u>1998</u>	<u>Cement</u>				
<u>5 1/2"</u>	<u>14</u>	<u>8</u>		<u>31</u>	<u>Float shoe</u>				
<u>1 1/2"</u>	<u>2.3</u>	<u>11 1/2</u>		<u>2111</u>			<u>2090</u>	<u>2111</u>	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>9"</u>	<u>120</u>	<u>60</u>	<u>Displacement</u>		
<u>5 1/2"</u>	<u>2014</u>	<u>65</u>	<u>Displacement</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>Damp</u>	<u>Shot</u>	<u>ABC</u>	<u>660</u>	<u>7-7-51</u>	<u>2106 to 2027</u>	<u>2135</u>

TOOLS USED

Rotary tools were used from 0 feet to 2135 feet, and from _____ feet to _____ feet
Cable tools were used from 1940 feet to 2135 feet, and from _____ feet to _____ feet
(Cleaning out)

DATES

July 18, 1951 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 3,920,000 Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. 512

EMPLOYEES

N. H. Sutton, Driller John C. Pool, Driller
J. E. Romine, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>120</u>	<u>120</u>	<u>Surface sands and rocks</u>
<u>120</u>	<u>2007</u>	<u>1887</u>	<u>Shale, sand and coal</u>
<u>2007</u>	<u>2090</u>	<u>83</u>	<u>Salt and pepper sand (TPC - 2007')</u>
<u>2090</u>	<u>2135</u>	<u>45</u>	<u>Shaly sand and shale</u>

(OVER)

100 90 80 70 60 50 40 30 20 10 0

[illegible]

Core	Interval	Description
Core #1	1930-1950	Recovered 4' shale and coal.
Core #2	1950-1970	Recovered 5' shale and coal.
Core #3	1970-1990	Recovered 30' shale and shaly sand.
Core #4	1990-2010	Recovered 17' coal and salt and pepper sand.
Core #5	2010-2030	Recovered 20' sand.
Core #6	2030-2034	No recovery.
Core #7	2034-2034	Recovered 20' sand.
Core #8	2034-2074	Recovered 18.5' sand.
Core #9	2074-2094	Recovered 20' sand.
Core #10	2094-2117	Recovered 19' shaly sand and shale.

Placated Cliffs Formation was corrd as follows:

Well was spudded June 17, 1951, and drilled to total depth of 2135 feet with rotary tool rig. 5-1/2" oil string was set at 2014 feet with 65 sacks cement. Top of fractured Cretaceous formation, 2007'. Gas to 2007' rig was used to drill plug and clean out to total depth. Well was plugged back with gas gravel from 2135' to 2106' and shot with 660 quarts of shot from 2106' to 2027'. With gravel pump from 2027' to 2022' and Cal-Geal cap from 2022' to 1980', July 4, 1951. Well was cleaned out to total casing pressure, 312'. Well measured 3880 W.C. per day after 3 hour blow down with 10" bit tube through 2" casing nipple July 18, 1951. Well was shut in for pipe line connection.

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

U. S. GOVERNMENT PRINTING OFFICE

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