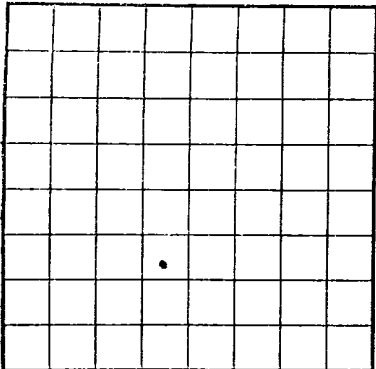
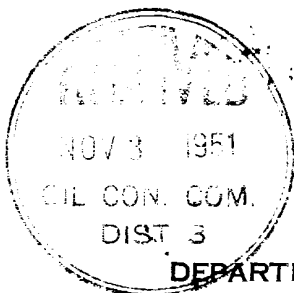




LOCATE WELL CORRECTLY



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 077329
LEASE OR PERMIT TO PROSPECT By W. Martin

LOG OF OIL OR GAS WELL

Company Stanolind Oil and Gas Co. Address Box 591, Tulsa, Oklahoma
Lessor or Tract W. Martin Field Fletcher-Kutz State New Mexico
Well No. 4-1 Sec. 14 T. 27-N R. 10-W Meridian NMPM County San Juan
Location 1650 ft. [N.] of [S.] Line and 2310 ft. [E.] of [W.] Line of Section 14 Elevation 6179
(Derrick floor relative to 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 [Signature]

Date November 1, 1951 Title Production Foreman

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

Commenced drilling September 14, 1951 Finished drilling September 20, 1951

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

No. 1, from 2032 to 2132 (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>10-3/4"</u>	<u>32.75</u>	<u>8</u>	<u>Pittsburgh</u>	<u>104</u>	<u>None</u>				
<u>5 1/2"</u>	<u>14</u>	<u>8</u>	<u>J&L</u>	<u>2050</u>	<u>Cement</u>				
<u>1 1/2"</u>	<u>2.3</u>	<u>11 1/2</u>		<u>117</u>	<u>Right shoe</u>				
							<u>2132</u>	<u>2116</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>100</u>	<u>100</u>	<u>Explosion out</u>		
<u>5 1/2"</u>	<u>2050</u>	<u>20</u>	<u>Explosion out</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>Dump</u>	<u>Shot</u>	<u>500</u>	<u>512 lbs</u>	<u>10/1</u>	<u>2133-2050</u>	<u>2160 TD</u>

TOOLS USED

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

DATES

October 13, 1951, 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 1,450,000 Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. 534

EMPLOYEES

_____, Driller _____, Driller
R. A. Young, Driller _____, Driller
O. A. Walloy, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>108</u>	<u>108</u>	<u>Surface sand and shale</u>
<u>108</u>	<u>2032</u>	<u>1929</u>	<u>sand and shale and coal streaks</u>
<u>2032</u>	<u>2132</u>	<u>100</u>	<u>Salt and pepper sand with some carbonaceous shale (top pictured 61106a 2032)</u>
<u>2132</u>	<u>2160</u>	<u>28</u>	<u>Shale</u>

FORMATION

HISTORY OF OIL OR GAS WELL

Well was spudded September 14, 1951, and drilled to total depth of 2160 feet with rotary tools. 5 7/8" casing was set at 2037 feet with 75 sacks. Top of fractured Mifflin formation, 2032 feet. Cable tool rig was used to drill plug and clean out shot with 512 quarts of RSG by dump method from 2133 to 2050 feet and with gravel tamp from 2050 to 2043 feet and cal seal plug from 2043 to 2007 feet. Shot was detonated at 9:10 A.M., October 1, 1951. Well was cleaned out to total depth. 1 1/2" tubing was landed at 2108 feet. Well shut in 72 hours. Shot in casing
pressure 505. Well measured 1455' net per day after 3 hour blow down through 2" casing outlet with shot tube through 2" outlet on October 13, 1951. Well shut in for pipe line connection.