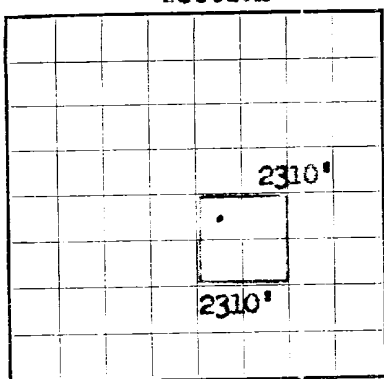


U. S. LAND OFFICE New Mexico
SERIAL NUMBER _____
LEASE OR PERMIT TO PROSPECT 240UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Standard Oil Company of Texas, A
Company Division of California Oil Company Address Drawer "S", Monahans, Texas
Lessor or Tract Jicarilla 4-26 Field Boulder-Mancos State New Mexico
Well No. 3 Sec. 36 T. 24N R. 1W Meridian NMPM County Rio Arriba
Location 2310 ft. N of 5 Line and 2310 ft. EX of 2 Line of Section 26 Elevation 7042 G.L.
(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. L. Rowland J. L. Rowland
Date August 28, 1962 Title District Engineer

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

Commenced drilling July 29, 19 62 Finished drilling August 19, 19 62

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3862 to 4120 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>9-5/8"</u>	<u>36#</u>	<u>STW</u>	<u>New</u>	<u>138</u>	<u>Guide</u>	<u>None</u>	<u>--</u>	<u>--</u>	<u>Surface casg.</u>
<u>5-1/2"</u>	<u>14#</u>	<u>STW</u>	<u>New</u>	<u>3460</u>	<u>Guide</u>	<u>None</u>	<u>--</u>	<u>--</u>	<u>Intermediate Casing</u>
<u>4"</u>	<u>9.5#</u>	<u>Flush-Joint</u>	<u>New</u>	<u>772</u>	<u>Guide</u>	<u>None</u>	<u>3872</u>	<u>4058</u>	<u>Liner</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>9-5/8"</u>	<u>138</u>	<u>100</u>	<u>Pap & plug</u>	<u>--</u>	<u>--</u>
<u>5-1/2"</u>	<u>3460</u>	<u>175</u>	<u>Pap & plug</u>	<u>--</u>	<u>--</u>
<u>4"</u>	<u>3460</u>	<u>Not cemented</u>	<u>--</u>	<u>--</u>	<u>--</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

TOOLS USED

Rotary tools were used from 0 feet to 4120 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

August 28, 19 62 Put to producing; August 27, 19 62
The production for the first 120 hours was 120 barrels of fluid of which 100 % was oil; 0 %
emulsion; 0 % water; and 0 % sediment. Gravity, °Bé. 32.4
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. R. Day, Driller B. J. Talent, Driller
J. S. Workman, Driller Wayne Hutson, Driller
Drilling Foreman

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surface	450'	450'	Grey, dull shale & white, very fine grained sand.
450'	1530'	1130'	Grey, silty shale.
1530'	2000'	420'	Grey, silty shale & grey shaly silt.
2000'	2230'	230'	Shale as above.
2230'	3340'	1110'	Fine to medium grained sands and shale as above.
3340'	4120'	780'	Grey, silty, calcareous, shale
TOPS:			
Point Lookout			2505
Mancos			2970
Gallup			3978

FORMATION

TOTAL FEET

—O.L.

WORK

2-46086-91

HISTORY OF OIL OR GAS WELL

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.

Spudded well at 3:00 am, 7-29-62. Drilled 12 1/2" hole to 140 feet. Landed & cemented 138 feet of 9-5/8", 36#/ft., 3-55, etc., new casing at 138 feet with 100 sk. cement. Circulated estimated 35 sk. cement to surface. WOC 3:00 pm, 7-29-62. After WOC 20 hours, tested 9-5/8" casing to 1000 psi for 30 minutes, OK. Drilled 8-3/4" hole to depth of 3661' below surface casing shoe. Ran logs. Landed & cemented 360 feet of 5 1/2", 14#/ft., 3-55, etc. new casing at 360 feet with 175 sk. cement. WOC 7:10 am, 8-13-62. After WOC for total of 24 hours, tested 5 1/2" casing to 1800 psi for 30 minutes, OK. Drilled 4-3/4" hole to total depth of 4120 feet substituting air for drilling fluid. New oil was encountered while drilling at 3922 feet on 8-16-62. (All fill-up continued while drilling to total depth of 4120 feet. Ran logs. Landed 712 feet of 4", 9.5#/ft., 3-55, new flush-joint liner on bottom (4120') with top of liner landed back into 5 1/2" casing @ 3348. 4" liner is slotted from 3872 to 4058 feet. Ran in 720 feet of 2-3/8" production tubing. Released rig 4:30 pm, 8-19-62. Moved out rotary rig. August 27, 1962, on potential test, well flowed at rate of 640 barrels oil per day based on 120 barrels oil, no water in 4 1/2 hours, gas-oil ratio was 355 to 1, and gravity of 32.4 A.P.I.