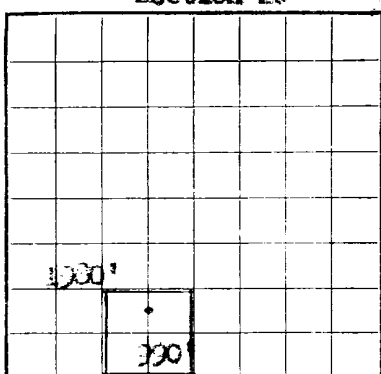


U. S. LAND OFFICE New Mexico

SERIAL NUMBER

LEASE OR PERMIT TO PROSPECT 240UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Standard Oil Company of Texas, A
Division of California Oil Company Address Drawer "C", Monahans, Texas
Lessor or Tract Jicarilla 4-26 Field Boulder-Mancos State New Mexico
Well No. 6 Sec. 26 T. 20N R. 1W Meridian NPM County Rio Arriba
Location 200 ft. N. of 2 Line and 1900 ft. E. of W Line of Section 26 Elevation 7204
(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

Date November 20, 1962Title District Engineer

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

Commenced drilling October 3, 1962 Finished drilling October 21, 1962

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from _____ to _____ 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>3-5/8"</u>	<u>36#</u>	<u>AT&C</u>	<u>New</u>	<u>129</u>		<u>None</u>	<u>--</u>	<u>--</u>	<u>Surface string</u>
<u>7"</u>	<u>20#</u>	<u>AT&C</u>	<u>New</u>	<u>4217</u>		<u>None</u>	<u>--</u>	<u>--</u>	<u>Intermediate</u>
<u>5"</u>	<u>13#</u>	<u>Flange-Joint</u>	<u>New</u>	<u>502</u>	<u>Guide</u>	<u>None</u>	<u>4396</u>	<u>4445</u>	<u>Control cogs.</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>3-5/8"</u>	<u>129</u>	<u>30</u>	<u>pump & plug</u>		
<u>7"</u>	<u>4217</u>	<u>150</u>	<u>pump & plug</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 _____ feet to 4650 feet, and from _____ feet to _____ feet

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

DATES

November 20, 1962 Put to producing November 18, 1962

The production for the first 24 hours was 46 barrels of fluid of which 56.2% was oil; 0% emulsion; 43.5% water; and 0% sediment. Gravity, °Bé. 32.5° API

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. H. Day, Driller D. D. Marshall, DrillerJ. L. Browning, Driller K. L. Hall, Drilling Foreman

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>Surf</u>	<u>660</u>	<u>660</u>	<u>Gray, dull shale and fine-medium grained sand</u>
<u>660</u>	<u>740</u>	<u>200</u>	<u>Gray shale</u>
<u>740</u>	<u>1260</u>	<u>320</u>	<u>Very fine-medium grained sands and gray shale</u>
<u>1260</u>	<u>2690</u>	<u>1430</u>	<u>Gray, silty shale</u>
<u>2690</u>	<u>3610</u>	<u>1320</u>	<u>Fine grained sands and gray shale</u>
<u>3610</u>	<u>4650</u>	<u>1040</u>	<u>Gray, silty shale</u>
			<u>TOPS:</u>
			<u>Lewis 662 (+6503)</u>
			<u>Point Lookout 2086 (+4377)</u>
			<u>Mancos 3372 (+3003)</u>
			<u>Gallup 4400 (+2005)</u>

FORMATION

FROM—

—01

TOTAL FEET

FORMATION

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

16-48094-2 U. S. GOVERNMENT PRINTING OFFICE

gravelly well, 5:00 P.M., 10-3-62. Drilled 12 1/2" hole to depth of 136 feet. Landed and cemented 9-5/8", 36 1/2 ft., 8-55, 5:00 new casing at 129 feet with 30 ex cement. Circulation estimated to ex cement to surface. WOC 1145 A.M., 10-4-62. After WOC for total of 18 hours, tested 7-5/8" casing to 1000 psi for 30 minutes, OK. Drilled 8-3/4" hole below surface casing point to depth of 4218 feet. Run logs. Landed and cemented 7", 207 1/2 ft., 7-55, 5:00 new casing at 4217 feet with 150 ex cement. WOC 2:30 P.M., 10-17-62. After WOC 19 hours tested 7" casing to 1500 psi for 30 minutes, OK. Drilled to total depth of 4650 feet, substituting air for drilling fluid. Run logs. Perforated selected intervals 4600-4601 feet with one break jet and one conventional jet per foot. Run & landed 508 feet of 5", 13 1/2 ft., 7-55, new flush-joint liner at 4645 feet with top of liner at 4193. Stopped intervals of liner are 4390-4523 and 4619-4645 feet. Released rotary 716 10-21-62. On 10-27-62, fracture treated open hole through liner with 1475 barrels lime sludge, no sand. Run and landed 2-4-74/2", 7-55, 508 production tubing at 4623 feet. Run rods. Installed pumping unit. Started recovering lead oil on November 2, 1962. Recovered total amount of lead oil on November 27, 1962.