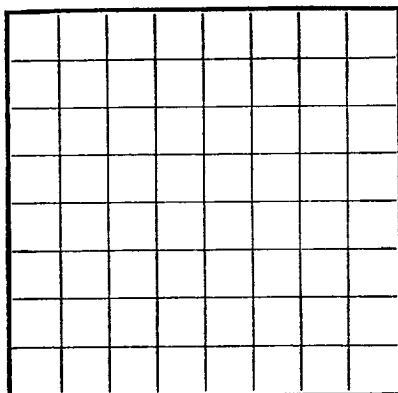


U. S. LAND OFFICE New MexicoSERIAL NUMBER 026418

LEASE OR PERMIT TO PROSPECT



10y to SF

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UNITED STATES

FEB 3 1961 DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY
ARTESIA, NEW MEXICORECEIVED
APR 24 1961O. C. C.
ARTESIA, OFFICE

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Standard Oil Co. Of Texas

Company A Division Of California Oil Co. Address Drawer 8, Monahans, TexasLessor or Tract Federal 15-10 Field North Square Lake State New MexicoWell No. 4 Sec. 10 T. 16S R. 31E Meridian Grayburg County ddyLocation 660 ft. S. of N Line and 1980 ft. E. of N Line of Sec. 10 Elevation 4199
(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

C. F. Dwyer

Date February 1, 1961

C. F. Dwyer

Title District Engineer

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

Commenced drilling November 1, 1960 Finished drilling November 21, 1960

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3672 to 3688 No. 4, from _____ to _____No. 2, from 3713 to 3718 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>8 5/8</u>	<u>21 1/2</u>	<u>8</u>	<u>-</u>	<u>200</u>	<u>-</u>				<u>Surface</u>
<u>4 1/2</u>	<u>13 3/8</u>	<u>8</u>	<u>-</u>	<u>170</u>	<u>Hydraulic</u>		<u>3672</u>	<u>3688</u>	<u>Oil</u>
							<u>3713</u>	<u>3718</u>	<u>String</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>4 1/2</u>	<u>3770</u>	<u>425</u>	<u>Pump & plug.</u>	<u>Two stage cement job w/stage</u>	
			<u>collar & 996.</u>	<u>200 szs thru shoe & 225 thru collar.</u>	

PLUGS AND ADAPTERS

Heaving plug—Material None 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 3770 feet, and from _____ feet to _____ feet

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

DATES

_____, 19____ Put to producing January 23, 1961The production for the first 24 hours was 11 barrels of fluid of which 0 % was oil; 0 % emulsion; 0 % water; and 0 % sediment. Gravity, °Bé. 36.7° 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

M. J. Young, Driller E. D. Funk, DrillerL. L. Fraley, Driller A. G. Fraley, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surf.	70'	70'	Sand-gravel
70'	320'	250'	Anhydrite-shale-sand
320'	600'	280'	Sand
600'	910'	310'	Red & green shale
910'	1140'	230'	Sand & red shale
1140'	1440'	270'	Anhydrite with sand & shale
1440'	2180'	770'	Red shale, anhydrite & salt
2180'	2210'	30'	Sand, shale & anhydrite
2210'	2300'	90'	Anhydrite & shale
2300'	2960'	660'	Dolomite, anhydrite & shale
2960'	3000'	40'	Sand, shale, anhydrite
3000'	3660'	660'	Anhydrite, dolomite & shale
3660'	3730'	70'	Sand w/oil show, dolomite, anhydrite, red sand & shale
3730'	3769'	39'	Dolomite, gray; TD 3769'

Following are Gamma-ray log tops:

Top Yates @ 2127

Top Queen @ 2961

Top Grayburg @ 3346

Top Premier @ 3670

Top San Andres @ 3727

FOLD MARK

