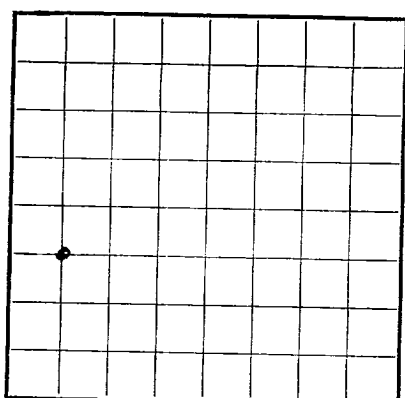




LOCATE WELL CORRECTLY

U. S. LAND OFFICE **L.C.**
SERIAL NUMBER **032452 A**

LEASE OR PERMIT TO PROSPECT

1958 APR 9 01 1:00
UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Samedan Oil Corporation Address Box 2137, Hobbs, New Mexico
Lessor or Tract Hughes A-1 Field Langlie-Mattix State New Mexico
Well No. 6 Sec. 4 T. 23S R. 37E Meridian NMPM County Lea
Location 1980 ft. N. of S Line and 660 ft. E. of W Line of 4-23S-37E Elevation 3335
(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. E. LaykeDate April 3, 1958 Title District Engineer

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

Commenced drilling March 1, 19 58 Finished drilling March 14, 19 58

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2695 to 2910 No. 4, from _____ to _____
No. 2, from 3410 to 3680 No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 55 to 150 No. 3, from _____ to _____
No. 2, from 695 to 935 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>32</u>	<u>8 rd.</u>	<u>Spang</u>	<u>354</u>	<u>Davis</u>	<u>-</u>	<u>3537</u>	<u>3671</u>	<u>Production</u>
<u>5 1/2</u>	<u>24</u>	<u>8 rd.</u>	<u>National</u>	<u>3684</u>	<u>Davis</u>	<u>-</u>			
			<u>Tube</u>						

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8 5/8</u>	<u>354</u>	<u>300</u>	<u>1 - Plug</u>	<u>9.8</u>	
<u>5 1/2</u>	<u>3684</u>	<u>200</u>	<u>2 - Plug</u>	<u>11.0</u>	
<u>DV</u>	<u>1184</u>	<u>125</u>	<u>2 - 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 0 feet to 3684 feet, and from _____ feet to _____ feet

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

DATES

April 3, 19 58 Put to producing April 1, 19 58The production for the first 24 hours was 177 barrels of fluid of which 100 % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, DEY API 36.0

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

J. J. Roberts, Driller L. W. Cole, DrillerE. G. Holly, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>55</u>	<u>55</u>	<u>Sand & Caliche</u>
<u>55</u>	<u>285</u>	<u>230</u>	<u>Sand (Ogallala)</u>
<u>285</u>	<u>695</u>	<u>410</u>	<u>Red Beds</u>
<u>695</u>	<u>935</u>	<u>240</u>	<u>Sand (Santa Rosa)</u>
<u>935</u>	<u>1142</u>	<u>207</u>	<u>Red Beds</u>
<u>1142</u>	<u>1286</u>	<u>144</u>	<u>Anhydrite</u>
<u>1286</u>	<u>2475</u>	<u>1189</u>	<u>Salt</u>
<u>2475</u>	<u>2695</u>	<u>220</u>	<u>Anhydrite</u>
<u>2695</u>	<u>2910</u>	<u>215</u>	<u>Sand (Yates)</u>
<u>2910</u>	<u>3410</u>	<u>500</u>	<u>Anhydrite, Gyp, Sands, Lime</u>
<u>3410</u>	<u>3680</u>	<u>270</u>	<u>Sand (Queen)</u>
			<u>Top Yates: 2695</u>
			<u>Top Queen: 3410</u>
			<u>Top Penrose: 3514</u>

FORMATION RECORD—Continued

[illegible]

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

Installed Halliburton DV tool at 1184'. In 5 1/2" casing string. Cemented through bits tool w/125 sacks cement to separate the Santa Rosa formation from the Salt Section.