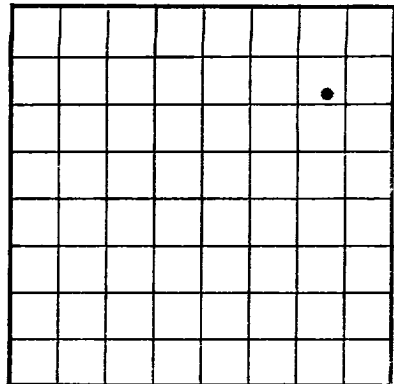


Form 9-330

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 076337
LEASE OR PERMIT TO PROSPECT W. D. Heath "A"

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Stanolind Oil and Gas Company Address Box 591, Tulsa, Oklahoma
Lessor or Tract W. L. Heath "A" Field Blanco-Mesavere State New Mexico
Well No. 2 Sec. 17 T. 29N R. 9W Meridian NMPM County San Juan
Location 1080 ft. (N) of N Line and 960 ft. (E) of E Line of Section 17 Elevation See remarks
(Derivat 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.

Date October 22, 1953 Signed L. O. Spencer Title Field Superintendent

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

Commenced drilling August 22, 1953 Finished drilling September 5, 1953

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

No. 1; from 2211 to 2350 (G) No. 4; from 4650 to 4650
No. 2; from 3843 to 4567 (G) No. 5; from 4650 to 4650
No. 3; from 4650 to 4650 No. 6; from 4650 to 4650

IMPORTANT WATER SANDS

No. 1, from 2211 to 2350 No. 3, from 4650 to 4650
No. 2, from 3843 to 4567 No. 4, from 4650 to 4650

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>32.3</u>	<u>8</u>	<u>Nat'l</u>	<u>256</u>	<u>Outside</u>				
<u>7"</u>	<u>20</u>	<u>8</u>	<u>Smith</u>	<u>3777</u>	<u>Outside</u>				
<u>2-3/8"</u>	<u>4.7</u>	<u>8</u>	<u>J & L</u>	<u>4627</u>	<u>Outside</u>		<u>4621</u>	<u>4627</u>	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>2-5/8"</u>	<u>269</u>	<u>230</u>	<u>Displacement</u>		
<u>7"</u>	<u>3777</u>	<u>320</u>	<u>Displacement</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>4 1/2"</u>	<u>Tin Torpedo</u>	<u>Hercules Slow Detonating</u>	<u>1893</u>	<u>9-6-53</u>	<u>3865-4650</u>	<u>4650</u>

TOOLS USED

Rotary tools were used from 0 feet to 4650 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

September 8, 19 53 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 2,077,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 1,055

EMPLOYEES

B. L. Hendricks, Driller W. H. Lingo, Driller
N. P. Cooper, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>269</u>	<u>269</u>	<u>Surface sand and rocks</u>
<u>269</u>	<u>2211</u>	<u>1942</u>	<u>Sand and shale</u>
<u>2211</u>	<u>2350</u>	<u>139</u>	<u>Sand (Top Pictured Cliffs - 2211')</u>
<u>2350</u>	<u>3843</u>	<u>1493</u>	<u>Shale</u>
<u>3843</u>	<u>4003</u>	<u>160</u>	<u>Sand (Top Cliffhouse - 3843)</u>
<u>4003</u>	<u>4410</u>	<u>407</u>	<u>Sand and shale (Top Menafee - 4003)</u>
<u>4410</u>	<u>4567</u>	<u>157</u>	<u>Sand (Top Point Lookout - 4410)</u>
<u>4567</u>	<u>4650</u>	<u>83</u>	<u>Shale (Top Mancos - 4567')</u>

16-43094-2

(OVER)

FORMATION RECORD—CONTINUED

LOCATE WELL CORRECTLY

The well was shot from 3845 to 4050 feet open with 1893 quarts Hercules slow detonating explosive, September 6, 1953. Well cleaned out to total depth with gas and 2-1/2 inches of tubing landed at 4029 feet. Three non-potential tests 2074 MCPL, September 17, 1953.

5738 - RB
5726 - GL
5725 - PM

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FORMATION RECORD—Continued