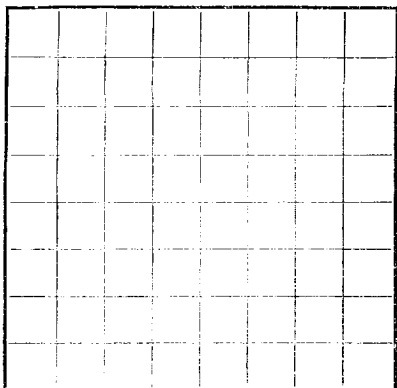


U. S. LAND OFFICE 2008 10
SERIAL NUMBER 000240
LEASE OR PERMIT TO PROSPECT 72 Dec. 13

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Lehigh Valley Corporation Address Box 2172, Pottsville, Pa.
Lessor or Tract allotment Field allotment State Pa.
Well No. 1-13 Sec. 19 T. 30 N. R. 2 E. Meridian 1 County Carbon
Location 220 ft. N. of 1 Line and 1000 ft. E. of 1 Line of Sec. 19 Elevation 910
(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. H. HumeDate 12-13-50 Title Asst. Mgr.

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

Commenced drilling 11-1-50, 1950 Finished drilling 11-1-50, 1950

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1522 to 1710 No. 4, from to
No. 2, from 5120 to 5250 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>10-3/4</u>	<u>32.75</u>	<u>8</u>	<u>Metl.</u>	<u>260</u>	<u>None</u>	<u> </u>	<u> </u>	<u> </u>	<u>Drill pipe</u>
<u>7</u>	<u>20</u>	<u>8</u>	<u>Metl.</u>	<u>1430</u>	<u>Water</u>	<u> </u>	<u> </u>	<u> </u>	<u>Production</u>
<u>2-3/8</u>	<u>14.75</u>	<u>8</u>	<u>Metl.</u>	<u>1420</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>10-3/4</u>	<u>273</u>	<u>150</u>	<u>Water</u>	<u> </u>	<u> </u>
<u>7</u>	<u>1430</u>	<u>200</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
<u>1 1/2 in</u>	<u> </u>	<u> </u>	<u>10</u>	<u>11-1-50</u>	<u>1710-1712</u>	<u>1712</u>
<u>1 1/2 in</u>	<u> </u>	<u> </u>	<u>10</u>	<u>11-2-50</u>	<u>1610-1739</u>	<u>1717</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>11-4-50</u>	<u>1717-1730</u>	<u>1717</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>11-5-50</u>	<u>1730-1732</u>	<u>1732</u>

TOOLS USED

Rotary tools were used from feet to 1550 feet, and from 1712 feet to 1732 feetCable tools were used from 1430 feet to 1712 feet, and from feet to feet

DATES

12-13-50, 1950 Put to producing , 1950The 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 3022 Gallons gasoline per 1,000 cu. ft. of gas Rock pressure, lbs. per sq. in. 231 912

EMPLOYEES

 , Driller , Driller
 , Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>1712</u>	<u>1712</u>	<u> </u> Shales
<u>1712</u>	<u>1650</u>	<u>163</u>	<u> </u> Shale - Top Highland - 1712
<u>1650</u>	<u>2050</u>	<u>170</u>	<u> </u> Shale - Top Pottsville - 1650
<u>2050</u>	<u>2135</u>	<u>335</u>	<u> </u> Interbedded sand & shale with streaks of coal
<u>2135</u>	<u>2150</u>	<u>15</u>	<u> </u> Top of Pottsville - 2135
<u>2150</u>	<u>2155</u>	<u>5</u>	<u> </u> and - Top Pottsville - 2150
<u>2155</u>	<u>1522</u>	<u>1592</u>	<u> </u> Shale - Sandy shale - Top Lewis - 2155
<u>1522</u>	<u>1710</u>	<u>133</u>	<u> </u> and - Top Pottsville - 1522
<u>1710</u>	<u>5120</u>	<u>110</u>	<u> </u> Sand - Top Pottsville - 1710
<u>5120</u>	<u>5250</u>	<u>130</u>	<u> </u> Sand - Top Pottsville - 5120
<u>5250</u>	<u>5250</u>	<u>0</u>	<u> </u> Shale - Top Pottsville - 5250

ADULTS

U. S. GOVERNMENT PRINTING OFFICE