

New Location
 Drill Deeper
 Abandonment

Map Sheet 43-Square 516E16 F.B. 492 P.18

Company Hope Natural Gas Co.
 Address Clarksburg, W. Va.
 Farm Josephine Southern
 Tract _____ Acres 109 27 Lease No. _____
 Well (Farm) No. _____ Serial No. 5491
 Elevation (Spirit Level) 1180
 Quadrangle Weston NE
 County Harrison District E1K
 Engineer Wm Bond
 Engineer's Registration No. 900
 File No. _____ Drawing No. _____
 Date Oct. 15, 1940. Scale 1" = 600'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. HAR-606A

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500. latitude and longitude lines being represented by border lines as shown.
 - Denotes one inch spaces on border line of original tracing

JOSEPHINE SOUTHERN NO. 5491 WELL.

No. 20 O.F.-Harrison.

Elk District, Harrison County, W. Va.

By Hope Natural Gas Co., 445 W. Main St., Clarksburg, W. Va.

On 200 acres, surface owned by Isadore Ehapko, Route 4, Clarksburg,
W. Va.

Drilled prior to June 1, 1929.

Elevation, 1180' L.

8 $\frac{1}{2}$ " casing, 830'; 6-5/8", 1364'.

No coal was encountered.

Abandonment reported to Dept. of Mines April 15, 1930.

Well below coal horizon.

Big Turkard Sand

Top.
310

(RECORD INCOMPLETE)

0384

34A

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

493

WELL RECORD

Ab 606-A

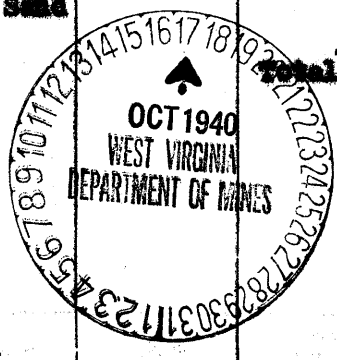
Oil or Gas Well Gas
(KIND)

Permit No. 606-A
Company W. A. Natural Gas Company
Address Charlottesville, V. Va.
Farm Magazine Southern Acres 109.87
Location (waters) _____
Well No. 5491 Elev. 1180
District 22 County Harrison
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced 4-16-1919
Drilling completed 5-25-1919
Date shot 5-31-19 Depth of shot Gordon Sand
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water None recorded feet _____ feet
Salt water 590 feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10	<u>180</u>	<u>Pulled</u>	Size of
8 1/4	<u>830</u>	<u>830</u>	
6 5/8	<u>1364</u>	<u>1364</u>	Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
Not cemented
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES
_____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Big Dunkard Sand			510	530			
Gas Sand			500	540			
First Salt Sand			580	640	Water	590	Salt
Second Salt Sand			740	830			
Maxon Sand			1170	1230			
Little Lime			1305	1315			
Pencil Cave			1315	1320			
Big Lime			1330	1364			
Big Injun Sand			1364	1405			
Ganta Sand			1775	1848			
Fifty Foot Sand			1855	1920			
Thirty Foot Sand			1965	2020	Gas	1965	
Gordon Stray Sand			2164	2180			
Gordon Sand			2205	2230	Gas	2215	
Fourth Sand			2302	2328			
			Total Depth	2538			



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
<p>101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200</p>							

Date October 16, 1940., 194

APPROVED Hope Natural Gas Company, Owner

By W. A. Reed Geophysicist
(Title)