



Company Hope Natural Gas Co. 0384  
 Address Clarksburg, W. Va.  
 Farm Moses Tichenal  
 Tract 1  
 Acres 14  
 Lease No. 44581  
 Well (Farm) No. 1  
 Serial No. 7379  
 Elevation 936 (Spirit Level)  
 Quadrangle Clarksburg S.C.  
 County Harrison  
 District Coal  
 Engineer W. M. Bowers  
 Eng. Reg. No. 900  
 Date June 14, 1938  
 Scale 1" = 10 poles

STATE OF WEST VIRGINIA  
 Department of Mines  
 OIL & GAS DIVISION  
 Charleston

WELL LOCATION MAP  
 File No. Har-441-A

X Denotes location of well on U. S. 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.

REFUSED

JUN 28 1938

441A

Coal District, Harrison County, W. Va.  
 By Hope Natural Gas Co., Clarksburg, W. Va.  
 On 14 acres, on West Fork River.  
 Elevation, 936' L.  
 Drilling commenced March 14, 1922; completed, May 20, 1922.  
 Shot May 22, 1922, in Speechley Sand.  
 Fresh water at 50' and 290'.  
 Salt water at 665-690'.  
 13" casing, 30'; 10", 208'; 8 1/2", 871'; 6", 1305'; 5 1/2", 110';  
 2" tubing, 2186'.  
 Casing not cemented.  
 Starts below coal.  
 Gas well. Abandonment reported to Dept. of Mines June 16, 1933.  
 Record to ROT from Mrs. Griffith August 12, 1933.

	Top.	Bottom.
Fresh water at 50'		
Little Dunkard Sand (gas, 220')	210	245
Big Dunkard Sand (water, 290')	280	305
First Salt Sand	500	650
Second Salt Sand (water, 665-690')	675	868
Maxton Sand	1085	1125
Big Line	1240	1300
Big Injun Sand (small gas, 1310')	1300	1409
Gantz Sand	1775	1782
Fifty-foot Sand (small gas, 1835')	1818	1910
Thirty-foot Sand	1918	1958
Gordon Stray Sand	2100	2115
Gordon Sand	2120	2145
Fourth Sand (small gas, 2190')	2185	2195
Fifth Sand (gas, 2276')	2260	2300
Speechley Sand (gas, 2948-2952')	2945	2960
Total depth		2980

CG, 10  
 W. Va. Permit 441A

WEST VIRGINIA DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

355

WELL RECORD

Permit No. ....

Oil or Gas Well..... **Gas**  
 (Kind)

Company **Hope Natural Gas Company**  
 Address **Clarksburg, W. Va.,**  
 Farm **Moses Tichenal** Acres **14**  
 Location (waters) **West Fork River**  
 Well No. **7379** Elev. **936**  
 District **Coal** County **Harrison**  
 The surface of tract is owned in fee by.....  
 Address.....  
 Mineral rights are owned by.....  
 Address.....  
 Drilling commenced **3-14-1922**  
 Drilling completed **5-20-1922**  
 Date shot **5-22-1922** Depth of shot **Speechley**  
 Open Flow /10ths Water in..... Inch  
 /10ths Merc. in..... Inch  
 Volume..... Cu. Ft.  
 Rock Pressure..... lbs..... hrs.  
 Oil..... bbls., 1st 24 hrs.  
 Fresh water **50 & 290** feet..... feet  
 Salt water **665-690** feet..... feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16.....			Kind of Packer.....
13.....	<b>30</b>	<b>30</b>	
10.....	<b>208</b>	<b>208</b>	Size of.....
8 3/4.....	<b>871</b>	<b>871</b>	
6 5/8.....	<b>1305</b>	<b>1305</b>	Depth set.....
5 3/16.....	<b>110</b>	<b>110</b>	
3.....			Perf. top.....
2.....	<b>2186</b>	<b>2186</b>	Perf. bottom.....
Liners Used.....			Perf. top.....
			Perf. bottom.....

CASING CEMENTED..... SIZE..... No. FT..... Date  
**Not cemented**  
 COAL WAS ENCOUNTERED AT..... FEET..... INCHES  
**Below coal**  
 FEET..... INCHES..... FEET..... INCHES  
 FEET..... INCHES..... FEET..... INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil Gas or Water	Depth Found	Remarks
Little Dunkard Sand			210	245	Water Show Gas	50 220	Fresh
Big Dunkard Sand			280	305	Water	290	
First Salt Sand			500	650			
Second Salt Sand			675	868	Water	665-690	
Mazon Sand			1085	1125			
Big Lime			1240	1300			
Big Injun Sand			1300	1409	Small Gas	1310	
Gantz Sand			1775	1782			
Fifty Foot Sand			1818	1910	Small Gas	1835	
Thirty Foot Sand			1918	1958			
Gordon Stray Sand			2100	2115			
Gordon Sand			2120	2145			
Fourth Sand			2185	2195	Small Gas	2190	
Fifth Sand			2260	2300	Gas	2276	
Speechley Sand			2945	2960	Gas	2948-2952	
Total Depth.....			2960				

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks

Date **June 16,** ....., 19**38**

APPROVED **Hope Natural Gas Company** ....., Owner

By *[Signature]* .....,  
 (Title) **Asst. General Supt.**