

2.0 S
4.0 W

W - 4.02
S - 2.

New Location
 Drill Deeper
 Abandonment

F. B. 682 P 14-16

Company Hope Natural Gas Co.
 Address Clarksburg, W. Va.
 Farm Mary L. Patton
 Tract Acres 52a Lease No. 52217
 Well (Farm) No. 7858 Serial No. 7858
 Elevation (Spirit Level) 1160
 Quadrangle Weston
 County Harrison District Union
 Engineer Wm Brown
 Engineer's Registration No. 900
 File No. _____ Drawing No. _____
 Date 1-21-41 Scale 1" = 40'

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

WELL LOCATION MAP
 FILE NO. HAR-616A

+ 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

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

504

WELL RECORD

Gas
Oil or Gas Well (KIND)

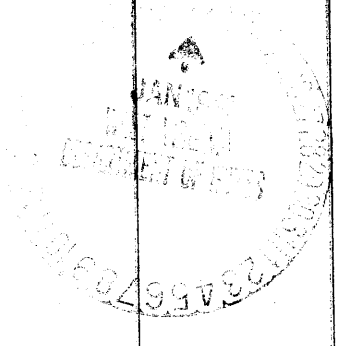
Permit No. **616-A**
Company **Hope Natural Gas Company**
Address **Clarksburg, W. Va.**
Farm **Mary L. Patton** Acres **52**
Location (waters).....
Well No. **7858** Elev. **1160**
District **Union** County **Harrison**
The surface of tract is owned in fee by **A. W. Devericks**
R #1 Address **Clarksburg, W. Va.**
Mineral rights are owned by.....
Address.....
Drilling commenced **12-11-1912**
Drilling completed **2-1-1913**
Date shot **No record** Depth of shot.....
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 **None recorded** feet..... feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10	190	190	Size of
8 1/4	1060	Pulled	
6 5/8	1458	1458	Depth set
5 3/16	2429	Pulled	
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
Below coal
..... FEET..... INCHES..... FEET..... INCHES
..... FEET..... INCHES..... FEET..... INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Big Dunkard Sand			505	565			
Gas Sand			680	700			
First Salt Sand			855	1060			
Maxon Sand			1325	1365			
Big Lime			1439	1499			
Big Injun Sand			1499	1610	Gas	1515-1530	
Fifty Foot Sand			1970	2028	Gas	2006	
ThirtyFoot Sand			2056	2072			
Gordon Stray Sand			2182	2215			
Gordon Sand			2225	2295			
Fifth Sand			2393	2405	Gas	2395	
Speechley Sand			3080	3089	Gas	3084-3085	
Total Depth			----- 3100				

Previously filled and plugged off Speechley sand and bridge installed below Fifth sand and filled to present total depth-----2406'.



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

Date January 21, 1, 194

APPROVED Hope Natural Gas Company, Owner

By *AR Reed* General Supt.
(Title)

Record of Well No. 4096 (7858) Located on M. L. Patton et al Farm _____ 19____
Union District Harrison County West Va State _____
 Division A District No. 11 Drilled under well Order 561
 Rig built by John Craig Began Nov 22 1912 Completed Dec 5 1912
W. M. Bernhart Began July 11 1912 Completed July 26 1912
 Well drilled by W. M. Bernhart Began Dec 11 1912 Completed Feb 1 1913
 Depth of Well 2420 feet Size of Hole 6 5/8 Producing Gas
3100 5-2 10 "

CASED WITH			REMARKS
AMOUNT	SIZE	KIND	
16'	13"	Wood	
190'	10"	New	
1060'	8 1/4"	"	Reclaimed Feb 7 - 1913
1458'	6 5/8"	"	
2429'	5 3/16"	Old	1-8" 4 x 6 5/8 B. A. Parker 5 3/16 In

COAL VEINS

FORMATIONS

FORMATION	COLOR	OPEN OR CLOSE HARD OR SOFT	TOP	BOTTOM	REMARKS GAS-OIL-WATER (THICKNESS OF PAY)
Madison			1325	1360	
Big Limestone			1439	1499	
Big Conium			1499	1610	Gas 1375-20-30-12. Min 17-13
Upper Root			1970	2028	" 2006
Thirty Root			2030	2072	
Thirty "			2148	2160	
Oldenberry			2182	2215	
Ordov			2225	2296	
Highland			2392	2405	" 2395
Begin drilling deeper			2420		
Beecheyland			3050	3089	" 3084-3085- 6 1/2 W 2" 103 MCF
				3100	
				2420	
				New Rig	
				680	

(151) Jarvisville

FIRST PRESSURE TEST IN 6 5/8 CASING

REMARKS

30 Sec. 20 lbs.

1 Min. 35 "

2 " 60 "

5 " 120 "

10 " 215 "

15 " 285 "

30 " 320 "

Rock Pressure _____ " in _____

Taken Feb 1 19 13

By P. P. Dolan

July 26 - 1900

1 1/2 1 2 3 4
1 2 4 6 8

5 10
10 20

Dep. 1863 400 Cu. ft.

WELL TUBED AND PACKED Feb 19 13

VIZ.: Use of 14 ft. 2420 ft. 3" Tubing
1-6 5/8 x 3" Anchor Packer
20 ft. 432 ft. below "

Reclaimed

FIRST PRESSURE TEST IN 3" TUBING

REMARKS

30 Sec. 18 lbs.

1 Min. 35 "

2 " 60 "

5 " 125 "

10 " _____ "

15 " _____ "

30 " _____ "

Rock Pressure 715 " in 24 in.

Taken Feb 7 19 13

By P. P. Dolan

MATERIAL FOR THIS WELL RECEIVED FROM FOLLOWING SOURCES:

FORMATIONS

FORM: O32-5170

Well # 4096 M. L. Patton

NAME	TOP	BOTTOM	OIL	GAS	WATER	REMARKS
Clay		20				
Slate & lime	20	505				
Big lumber	505	565				
Slate	565	625				
Sand	625	658				
Slate	658	680				
Clas sand	680	700				
Slate & lime	700	740				
Sand	740	770				
Slate	770	825				
W. part sand	825	1060				
Slate	1060	1325				
Marion sand	1325	1365				
Lime	1365	1385				
Slate	1385	1405				
Lime	1405	1423				
Slate	1423	1439				
Big lime	1439	1499				
Big Impure sand	1499	1670		1575-1530		
Slate	1670	1770				
Rusty root sand	1770	2028		2006		
Slate & shells	2028	2056				
Thin root sand	2056	2078				
Slate & shells	2078	2087				
Sand & co. shells	2087	2148				
Sand	2148	2160				
Sand & cob	2160	2185				
Horizon / Gray sand	2185	2215				
Slate	2215	2225				
Horizon sand	2225	2295				
Slate & shells	2295	2393		2395		
Sand	2393	2405				
Slate	2405	2420				
Total Depth	2420					