



Company Hope Natural Gas Co.
 Address Clarksburg, W. Va.
 Farm Porter Maxwell
 Tract 60-1/2 A.
 Acres 543
 Lease No. 52223
 Well (Farm) No. 3
 Elevation (SL) 1045
 Quadrangle Weston N.
 County Harrison
 District Grant
 Engineer W. M. Bowers
 Eng. Reg. No. 900
 Date Sept. 22, 1939
 Scale 1" - 40 poles

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

WELL LOCATION MAP
 File No. HAR-534A

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.

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

428

WELL RECORD

Ab 534-A
Permit No.

Oil or Gas Well Gas
(Kind)

Company Hope Natural Gas Company
Address Clarksburg, W. Va.
Farm Porter Maxwell Acres 60 1/2
Location (waters) Lost Creek
Well No. 7868 (2) Elev. 1045
District Grant County Harrison
The surface of tract is owned in fee by Porter Maxwell Hrs. Claude Maxwell & S.R. Harrison, Clarksburg, W.Va.
Mineral rights are owned by do.
Address

Drilling commenced 1-10-1917
Drilling completed 3-12-1917
Date shot Not shot 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 1825 feet feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer.....
13			
10	244	Pulled	Size of.....
8 1/4	899	Pulled	
6 5/8	1407	1407	Depth set.....
5 3/16	2206	2206	
3			Perf. top.....
2	2374	Pulled	Perf. bottom.....
Liners Used.....			Perf. top.....
			Perf. bottom.....

CASING CEMENTED..... SIZE..... No. FT..... Date
No coal Not cemented

COAL WAS ENCOUNTERED AT..... FEET..... INCHES
..... 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			340	369			
Big Dunkard Sand			390	440			
First Salt Sand			550	600			
Second Salt Sand			680	925			
Maxon Sand			990	1005			
Little Lime			1361	1373			
Big Lime			1385	1440			
Big Injun Sand			1440	1550			
Squaw Sand			1555	1595			
Berea Sand			1620	1650			
Fifty Foot Sand			1815	1850	Water	1825	
Thirty Foot Sand			1925	2015			
Gordon Stray Sand			2059	2099			
Gordon Sand			2135	2195			
Fourth Sand			2235	2255			
Fifth Sand			2303	2321	Gas	2308	
			Total Depth	2352			



Record of Well No. 4520 Located on Carter Maxwell Farm Nov 20 1916
Grant District Harriison County West Va State
 Division V. District No. 11 Drilled under well Order 729
 Rig built by John Craig Began Dec 26 1916 Completed Jan 6 1917
 Well drilled by Chas M Smith Began Jan 10 1917 Completed Mar 12 1917
 Depth of Well 2352 feet Size of Hole 5 3/16 Producing Gas
 Elev. 1045 G.L.

CASED WITH

REMARKS

AMOUNT	SIZE	KIND	Case at	ft.	REMARKS
244'	10"			13	Revised 3-16-17
1024'	8 1/4"	999'		49	" " "
1420'	6 5/8"	1409'		79	1-6 5/8 x 8 1/4 B.A.P.
2206'	5 3/16"	2187'		113	1-6 5/8 x 5 3/16 B.A.P.

COAL VEINS

FORMATIONS

FORMATION	COLOR	OPEN OR CLOSE HARD OR SOFT	TOP	BOTTOM	REMARKS GAS-OIL-WATER (thickness of pay)
Little Dunbar			280	320	
By "			370	400	
1st feet sand			585	635	
2nd "			720	930	
Madison sand			1300	1314	Water 1300 - 20' thick
Little Lema			1361	1373	
By "			1385	1440	
By Logan			1440	1530	
Spencer sand			1555	1595	
Green Spring			1620	1650	
50 ft. sand			1815	1860	
thirty foot			1875	2015	
Clarksburg			2059	2099	
Madison sand			2135	2195	
44 sand			2235	2255	
54 "			2303	2321	Gas 2308 - 5 3/16 W 2" 263 MCF

(151) Harriisonville

FIRST PRESSURE TEST IN 5 ³/₁₆ CASING

REMARKS

30 Sec.	<u>3</u>	lbs.	
1 Min.	<u>6</u>	"	
2 "	<u>12</u>	"	
5 "	<u>30</u>	"	
10 "	<u>52</u>	"	
15 "	<u>77</u>	"	<u>120</u>
30 "	<u>145</u>	"	<u>255</u>
Rock Pressure	<u>450</u>	" in	<u>2 1/2 hrs.</u>
Taken	<u>March 13 19 17</u>		
By	<u>Chas. A. Stottewire</u>		

WELL TUBED AND PACKED March 15 19 17

VIZ:- Used 115 fts. 2374 ft. 2" Tubing (Old)
1 - 5 3/16 x 2" Tubing Anchor
6 fts. 106 ft of Anchor
Packers Set 2246

FIRST PRESSURE TEST IN 2" TUBING

REMARKS

30 Sec.	<u>15</u>	lbs.	
1 Min.	<u>30</u>	"	
2 "	<u>50</u>	"	
5 "	<u>105</u>	"	
10 "	<u>180</u>	"	
15 "	<u>250</u>	"	<u>300</u>
30 "	<u>360</u>	"	
Rock Pressure	<u>585</u>	" in	<u>20</u>
Taken	<u>March 15 19 17</u>		
By	<u>Chas. A. Stottewire</u>		

MATERIAL FOR THIS WELL RECEIVED FROM FOLLOWING SOURCES:

FORMATIONS

NAME	TOP	BOTTOM	OIL	GAS	WATER	REMARKS
Little Duckfoot	340	369				
Big "	290	440				
1st. Salt Sand	550	600				
2nd "	680	925				
Major Sand	990	1005				
Little Lime	1361	1378				
Big "	1385	1440				
Big Injune	1440	1520				
General Sand	1525	1595				
Coarse Shell	1620	1650				
Harder dirt	1815	1850			1825	
Harder dirt	1825	2015				
Shale	2054	2099				
1st. Yellow Sand	2125	2195				
4th Sand	2225	2255				
5th Sand	2303	2321		2308		
Total Depth		2352				