



New Location
 Drill Deeper
 Abandonment

Map Sheet 110 Sq. 5-52 W-28 F.B. 764 P. 40

Company Hope Natural Gas Co.
 Address Clarksburg, W. Va.
 Name M. J. Duffield
 Tract _____ Acres 107 Lease No. 7434
 Well (Farm) No. _____ Serial No. 4986
 Elevation (Spirit Level) 1007'
 Quadrangle Otter
 County Calhoun District Washington
 Engineer Wm Cowan
 Engineer's Registration No. 900
 File No. _____ Drawing No. _____
 Date Nov. 21, 1944 Scale 1" = 40 ft.

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

WELL LOCATION MAP
 FILE NO. CAL-189-A

+ 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

342

Ab 189-A

WELL RECORD

Permit No. _____ Oil or Gas Well _____ (KIND)

Company Hope Natural Gas Company.
 Address 445 West Main St. Clarksburg, W. Va.
 Farm M.J. Buffield Acres 107
 Location (waters) _____
 Well No. 4986 Elev. 1007
 District Washington County Calhoun
 The surface of tract is owned in fee by _____
 Address _____
 Mineral rights are owned by _____
 Address _____
 Drilling commenced December 8, 1917
 Drilling completed January 28, 1918
 Date Shot _____ From _____ To _____
 With _____
 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			
16			Kind of Packer
13			
10	<u>359</u>	<u>Pulled</u>	Size of
8 1/4	<u>1353</u>	<u>Pulled</u>	
6 5/8	<u>1713</u>	<u>1713</u>	Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED Not cemented No. Ft. _____ Date _____
 SIZE _____
 COAL WAS ENCOUNTERED AT none recorded FEET _____ INCHES
 FEET _____ INCHES FEET _____ INCHES
 FEET _____ INCHES FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand			460	519			
Sand			539	555			
Lime			617	820			
Little Dunkard			1119	1154			
Big Dunkard			1258	1295	gas	1268	
Gas sand			1323	1355	gas	1333	
First salt			1538	1575	oil	1565	
Second Salt			1580	1612			
Maxon			1615	1682			
Big Lime			1682	1780	gas	1758	
Big Injun			1780	1845	gas	1787- 1800	
Berea			2312	2322			
Total depth				2503			
Filled back to				1840			



