

Company Hope Natural Gas Co.
 Address Clarksburg, W. Va.
 Farm E. M. Arbogast
 Tract _____ Acres 362.8 Lease No. 4637B
 Well (Farm) No. 1-4-5-8 Serial No. 7658-7661
 Elevation (Spirit Level) 743-777-1285-777
 Quadrangle Madison & Petona
 County Boone District Crook
 Engineer Wm Bowers
 Engineer's Registration No. 900
 File No. _____ Drawing No. _____
 Date Aug. 28-1941 Scale 1" = 600'

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

WELL LOCATION MAP

FILE NO. ~~1300-297-A-#765~~
1300-297-A-#765

+ 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.



703

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle Madison
Permit No. 86 297-A

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company Hope Natural Gas Company
 Address Clarksburg, W. Va.
 Farm E. M. Arbogast Acres 363
 Location (waters) _____
 Well No. 7658 Elev. See Plat
 District Crook County Boone
 The surface of tract is owned in fee by _____
 Address _____
 Mineral rights are owned by _____
 Address _____
 Drilling commenced _____
 Drilling completed March, 1914
 Date Shot 5-6-47 From _____ To Big Lime
 With 60 qts
 Open Flow /10ths Water in _____ Inch
 /10ths Merc. in _____ Inch
 Volume Exhausted Cu. Ft.
 Rock Pressure _____ lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 WELL ACIDIZED _____
 WELL FRACTURED _____

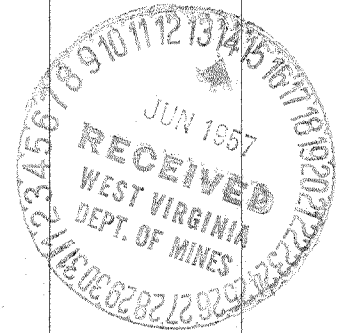
Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10	66	66	Size of
8 1/4	906	906	
6 3/4	1679	1679	Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
No record of cementing

COAL WAS ENCOUNTERED AT 110 FEET 36 INCHES
315 FEET 60 INCHES FEET INCHES
FEET INCHES FEET INCHES

RESULT AFTER TREATMENT _____
ROCK PRESSURE AFTER TREATMENT _____
Fresh Water _____ Feet Salt Water 1005 & 1315' Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Coal			110	113			
Coal			315	320			
1st Salt			920	1195	Water	1005	Gas @ 1050
2nd Salt			1230	1415	Water	1315	
Lime Shells-Maxon			1415	1450			
Little Lime			1580	1590			
Pencil Cave			1590	1625			
BIG LIME			1625	1808	Gas	1765-95	
Red Rock			1808	1830			
BIG INJUN			1850	1975			
Slate & Shells			2050	2302			
BEREA			2302	2319	Gas in Berea Sand		
Dark Lime			2323	2336			
Slate			2336	2338			
Hard Lime			2338	2347			
Slate & Shell			2347	2373			
Total Depth				2373'			



June 12, 1957
Jack Gaily
Hope Natural Gas Company