



Map Sheet 68, S-20, W-10; F.B. 1288, P 4-5

Minimum Error of Closure 1' in 200'

Source of Elevation Levels from Rd. Fks. 0.5 mi. North of Grove (El. 934')

New Location "I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."
 Drill Deeper
 Abandonment

Company HOPE NATURAL GAS CO.
 Address CLARKSBURG, W. VA.
 Farm J. W. MORRIS
 Tract _____ Acres 60 Lease No. 13415
 Well (Farm) No. _____ Serial No. 5452
 Elevation (Spirit Level) 1143'
 Quadrangle HOLBROOK (E. C.)
 County DODDRIDGE District COVE
 Engineer Jackson M. Jarvis
 Engineer's Registration No. 2397
 File No. _____ Drawing No. _____
 Date 7-15-63 Scale 1" = 30 POLES

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

WELL LOCATION MAP
 FILE NO. DOD-1047-D

+ 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

Quadrangle Holbrook

WELL RECORD

Permit No. DOD-1047-D

Oil or Gas Well Gas
(KIND)

Company Hope Natural Gas Company
Address Clarksburg, W. Va.
Farm J. W. Morris Acres 60
Location (waters) _____
Well No. 8452 Elev. 1143
District Cove County Doddridge
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced 8-26-63
Drilling completed 10-8-63
Date Shot From _____ To _____
With _____
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume 189M Cu. Ft.
Rock Pressure 670 lbs. 14 hrs.
Oil none bbls., 1st 24 hrs.
WELL ACIDIZED no

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10	173	173	Size of
8 1/2	1192	1192	
6 1/2			Depth set
4 1/2 4 1/2	2093	2093	
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

WELL FRACTURED 10-2-63 - 815 Mbl. Water; 70,000# sand; Max. pressure 2300#
average injection rate 39 Mbl. per min.
RESULT AFTER TREATMENT 696M
ROCK PRESSURE AFTER TREATMENT 670
Fresh Water no Feet _____ Salt Water no Feet _____

CASING CEMENTED SIZE No. Ft. Date
4 1/2 casing cemented
COAL WAS ENCOUNTERED AT FEET INCHES
none FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Commenced drilling			1807				
Maxton			1798	1808			
Slate			1808	1837			
Little Lime			1837	1855			
Pencil Cave			1855	1858			
Lime, Big			1858	2004	Gas	1963	
KXN Injun			2004	2093			
Total Depth				2093			



2093
1807
286

February 11, 1964
Hope Natural Gas Co.
Jack Bailey