

New Location
 Drill Deeper
 Abandonment

OCT 4 6 1961

Map Sh. 55 S13E5 FB. 920 P-17-98

Company Hope Natural Gas Co
 Address Clarksburg W.Va.
 Farm Sanford Nuzum
 Tract Acres 130 Lease No. 2934
 Well (Farm) No. Serial No. 4489
 Elevation (Spirit Level) 1151'
 Quadrangle Centerpoint
 County Harrison District Ten Mile
 Engineer Wm Bewers
 Engineer's Registration No. 900
 File No. Drawing No.
 Date 10 31 60 Scale 1" = 40 P.

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

WELL LOCATION MAP
 FILE NO. HAR-1787-B

+ 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.

1787
2982

SANFORD NUZUM No. 4489 - HOPE NG Co. - HAR 2982



1660

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle CENTERPOINT

WELL RECORD

Permit No. 1787A

Oil or Gas Well GAS
(KIND)

Company Hope Natural Gas Company
Address Clarksburg, West Virginia
Farm Sanford Nuzum Acres 130
Location (waters) _____
Well No. 4489 Elev. 1151'
District Ten Mile County Harrison
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____

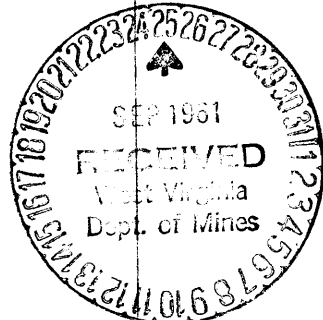
Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10	373'	373'	Size of 6x2
8 1/4	1212'	1212'	5-3/16x6-5/8
6 5/8	1919'	1919'	Depth set. 2630'
5 3/16	635' Up, 1920' Lw.	635' Up, 1920' Lw.	1909
3			Perf. top
2 Tubing	2777' ¹⁰	None	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Drilling commenced May 30, 1916
Drilling completed Aug. 16, 1916
Date Shot 9/9/16 From Stray To Gordon
With 11/27/42 Gord. Stray
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 No
WELL FRACTURED No

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
No cementing done
COAL WAS ENCOUNTERED AT 685 FEET 71 INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

RESULT AFTER TREATMENT _____
ROCK PRESSURE AFTER TREATMENT _____
Fresh Water _____ Feet Salt Water _____ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Pittsburgh Coal			685	691	Water at 50		
Salt Sand			1615	1815	Oil at 1645-1650		Water at 55
							1715-1725 Water at 345
							1755-1765
Maxon Sand			1905	2007	Oil at 1912		Gas at 1923
Big Lime			2007	2057	Oil at 1914		Water at 370
Injun Sand			2057	2147	Oil at 1986		Gas at 1927
Squaw			2165	2360			
Berea Sand			2430	2455			
Fifty Foot Sand			2538	2550			
Thirty Foot Sand			2620	2650			
Stray Sand			2670	2730	Gas at 2716-20		
Gordon Sand			2742	2805	Gas at 2751-55		
Fourth Sand			2828	2838			
Fifth Sand			2992	2995			
Total Depth				3116	Filled deeper from 3015 Filled to 2769 to 3116 9/15/16 Filled back to 2769 same date		



Sept. 22, 1961
Jack Bailey
H. N. G. Co.

APR 6 1962