

New Location
 Drill Deeper
 Abandonment

NE (G-6)

MAP SH. 79: SQ. S. 14 W. 36: F.B. 1202 P. 1-5

Company HOPE NATURAL GAS CO.
 Address CLARKSBURG, WEST VA.
 Farm A. M. O'BRIEN
 Tract _____ Acres 1000 Lease No. 48394
 Well (Farm) No. _____ Serial No. 10211
 Elevation (Spirit Level) 911'
 Quadrangle ELIZABETH-NE
 County RITCHIE District GRANT
 Engineer Guy A. Bradley
 Engineer's Registration No. 2425
 File No. _____ Drawing No. _____
 Date DEC. 2, 1958 Scale 1" = 40 POLES

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

WELL LOCATION MAP
 FILE NO. Rit-2005 ✓

+ 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.

No samples

5-0-111

Deep Well

12/5/58 F501



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 3

*Block
Abandoned
12/10/59*

Quadrangle Elizabeth

WELL RECORD

Permit No. RIT-2005

Oil or Gas Well Dry
(KIND)

Company Hope Natural Gas Company
Address Clarksburg, West Virginia
Farm A.M.O'Brien Acres 1.000
Location (waters) Myers Fork
Well No. 10211 Elev. 911'
District Grant County Ritchie
The surface of tract is owned in fee by A.M.O'Brien et al
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced April 30, 1959
Drilling completed November 20, 1959
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.
WELL ACIDIZED _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
18X 20"	106'		Kind of Packer _____
18	1911'		
XX 9 5/8	5249'		Size of _____
8 7/8	5720'		
6 5/8			Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

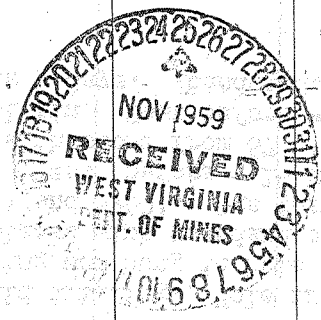
WELL FRACTURED _____
See remarks.

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
Shale			0	155			
Sandstone			155	280			
Shale			280	300			
Sandstone			300	365			
Shale			365	420			
Sandstone			420	435			
Shale			435	445			
Sandstone			445	460			
Greenbrier-limestone			460	515			
Siltstone			515	530			
Sandstone			530	590			
Siltstone			590	595			
Sandstone			595	650			
Shale			650	955			
Sunbury shale			955	965			
Berea sandstone (horizon)			965				
Shale			965	1075			
Siltstone			1075	2100			
Shale			2100	4662			
Huntersville chert			4662 (-375')	4862			Show of gas @ 4667'
Oriskany sandstone			4862 (-375')	4945			SW @ 4850' (300' in 1 1/2 hrs)
Helderberg limestone			4945 (-475')	5195			Show of gas @ 5153'
Dolomite			5195	5250			SW & Show of Oil @ 4880'
Sandstone			5250	5275			
Limestone			5275	5295			
Dolomite			5295	5300			
Limestone			5300	5310			
Anhydrite			5310	5315			
Limestone			5315	5320			
Anhydrite			5320	5330			



Show of gas @ 4667'
SW @ 4850' (300' in 1 1/2 hrs)
Show of gas @ 5153'
SW & Show of Oil @ 4880'

*5965 5865
4862 911
1103 5054*

(over)

Formation	Color	Hard or Soft	Top ³	Bottom	Oil, Gas or Water	Depth Found	Remarks
Dolomite			5330	5510			
Limestone			5510	5585			
→ Sandstone			5585	5665			SW @ 5586' (4386' in 18 hrs.)
Limestone			5665	5895			SHOW of gas @ 5686, 5783, 5845
Dolomite			5895	5920			5891
Limestone			5920	5940			
Dolomite			5940	5950			
Limestone			5950	5965			Show of gas @ 5960
→ Sandstone			5965	5985			Show of gas @ 6335, 6617, 6705,
Dolomite & Anhydrite			5985	7040			6713
Shale with "c" shale w/ Will-			7040	7130			Show of SW @ 6793-95, 6802-03
Dolomite			7130				Show of H ₂ S, SW, & Oil 6819-6865
	TOTAL DEPTH			7268			Show of gas @ 7060-81, 7151
							7187-91, 7250-68.
							SW @ 7219-21, 7222-7268.
REMARKS:							
Lower part of hole from 5586' to 7268' was completed by fluid drilling. Hole from 7268' -6790' was plugged with 176 sacks of cement. A string of 7" casing was hung in hole at 5720' and cemented with 125 sacks of cement. Rotary rig was replaced with standard cable tool rig which cleaned out to 6784'. Imploded hole bore at 6335' and 5960'. Gas test before = 1-M; Gas test after = 25-M. Fractured zone from 5720' to 6784'. Test before = 15-M, test after = 10-M plus 15 gal. salt water per day. Filled hole with stone from 6784' to 6729'. Shot zone from 6729' to 5960' with 8,000 lbs. of 80% gelatin. Test before = 10-M, test after 4-M. Hole filled up with salt water to depth 2200' in 4 days. Abandoned.							

Date November 24, 1959

APPROVED Hope Natural Gas Company, Owner

By _____ (Title)



JOHN J. GILLIGAN
GOVERNOR

WILLIAM B. NYE
DIRECTOR

STATE OF OHIO

DEPARTMENT OF NATURAL RESOURCES HORACE R. COLLINS
CHIEF

DIVISION OF GEOLOGICAL SURVEY

1207 GRANDVIEW AVENUE
COLUMBUS 43212
PHONE (614) 469-5344

February 3, 1972

RIT-2005

Mr. Dudley H. Cardwell
West Virginia Geological
and Economic Survey
P.O. Box 879
Morgantown, West Virginia 26505

Dear Mr. Cardwell:

EP. 911

Concerning our recent discussion on the Burning Springs area, here is some additional information. Mr. Bayles of Consolidated Gas has supplied the following tops on the O'Brien well:

Greenbrier limestone	460 - 516	
Berea (horizon)	965	
Huntersville chert	4662- 4862	-3751
Oriskany sandstone	4862- 4945	-3951
Helderberg limestone	4945- 5195	-4034
Silurian	5195- 5510	-4284
Huntersville chert	5510- 5585	-4599
Oriskany sandstone	5585- 5665	-4674
Helderberg limestone	5665- 5895	-4754
Silurian	5895- 7268 (T.D.)	
Williamsport formation	7040- 7130	
(W. Va. Newburg)		
McKenzie	7130- 7268 (T.D.)	

3951
3500
396
396

Electric logs and samples were obtained by the operator but will not be released "in the foreseeable future".

5510 5585 5665
4662 4862 4945

848 723 720
HRDL ORSK HDBG
MJC:ba

Sincerely,

Michael J. Clifford
Geologist
Subsurface Section