



Map Sheet 54, S-9, W-2; F.B. 1292, R20-23

Minimum Error of Closure 1 in 200  
 Source of Elevation Levels from Well #1505

New Location  Drill Deeper  Abandonment  "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."

Company	HOPE NATURAL GAS CO.
Address	CLARKSBURG, W. VA.
Farm	E. P. POWELL
Tract	Acres <u>125</u> Lease No. <u>4689</u>
Well (Farm) No.	Serial No. <u>10517</u>
Elevation (Spirit Level)	<u>1009'</u>
Quadrangle	CENTERPOINT - S. C.
County	DODDRIDGE District, GRANT
Engineer	Jackson M. Jarvis
Engineer's Registration No.	<u>2397</u>
File No.	Drawing No.
Date	<u>9-23-63</u> Scale <u>1"=500'</u>

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

WELL LOCATION MAP  
 FILE NO. 000-1064

+ 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 7

Quadrangle Center Point

Permit No. DOD 1064

WELL RECORD

Oil or Gas Well Gas  
(KIND)

Company Hope Natural Gas Company  
Address Clarksburg, W. Va.  
Farm E. P. Powell Acres 125  
Location (waters) \_\_\_\_\_  
Well No. 10517 Elev. 1009  
District Grant County Doddridge  
The surface of tract is owned in fee by \_\_\_\_\_  
Address \_\_\_\_\_  
Mineral rights are owned by \_\_\_\_\_  
Address \_\_\_\_\_  
Drilling commenced 11-19-63  
Drilling completed 1-14-64  
Date Shot \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
With \_\_\_\_\_  
Open Flow \_\_\_\_\_ /10ths Water in \_\_\_\_\_ Inch  
\_\_\_\_\_ /10ths Merc. in \_\_\_\_\_ Inch  
Volume 66M Cu. Ft.  
Rock Pressure 400 lbs. 16 hrs.  
Oil no bbls., 1st 24 hrs.  
WELL ACIDIZED no

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10	269	269	Size of
8 1/2	1370	1370	
6 1/2	1742	1742	Depth set
<del>5 1/2</del> 4 1/2	1900	1900	
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

WELL FRACTURED yes 836 WHP water;  
RESULT AFTER TREATMENT 4862M  
ROCK PRESSURE AFTER TREATMENT 400  
Fresh Water see log Feet \_\_\_\_\_ Salt Water no Feet \_\_\_\_\_

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. Ft. \_\_\_\_\_ Date \_\_\_\_\_  
4 1/2 casing cemented with 40 bags  
COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
none FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES  
FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

38,000 # @ 20-40 ; Maximum Pressure 3000 #  
14,000 # @ 10-20 ;  
injection rate average 98.6 WHP  
on min.

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Clay & Gravel			0	30			
Red Rock			30	55			
Slate & Sh.			55	100			
Red Rock			100	106			
Slate & Sh.			106	125			
Red Rock			125	130			
Slate & Sh.			130	180			
Lime			180	213			
Red Rock			213	217			
Slate			217	223			
Lime			223	234			
Sand			234	249			
Lime			249	280			
Slate			280	323			
Sand			323	350			
Slate & Sh.			350	425			
B. Slate			425	440			
Slate & Shells			440	465			
Sand			465	490			
Slate			490	509			
Sand			509	535			
Lime			535	550			
Red Rock			550	557			
Slate			557	604			
Red Rock			604	611			
Slate			611	625			
Lime			625	645			
Slate			645	668			
Red Rock			668	685			



Formation	Color	Hard or Soft	Top 7	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate & Shells			685	765			
Red Rock			765	790			
Slate			795	800			
Red Rock			800	812			
Slate			812	835			
Pink Rock			835	848			
Lime - Gritty			848	860			
Slate & Sh.			860	965			
Red Rock			965				
Lime			965	973			
Sand			973	995			
Slate & Sh.			995	1085			
Gritty Lime			1085	1115			
Sand			1115	1162			
Slate & Sh.			1162	1195			
Sand			1195	1245			
Slate			1245	1255			
Sand			1255	1270			
Slate & Sh.			1270	1325			
Sand			1325	1385			
Slate & Sh.			1385	1402	Water	1346-13	Hole full
Lime			1402	1426			
Slate & Sh.			1426	1450			
Sand			1450	1505			
Slate & Sh.			1505	1553			
Sand			1553	1567			
Slate & Sh.			1567	1641			
Lime			1641	1667			
Red Lime			1667	1672			
Slate			1672	1690			
Lime			1690	1705			
Slate			1705	1713			
Broken Lime			1713	1733			
Big Lime			1733	1794			
Injun			1794	1856	Gas	1816	
Squaw			1856	1880	Gas	1829-1859	
Wier			1880	1897			
Total Depth				1900			

Date February 14, 1964

APPROVED Hope Natural Gas Company, Owner

By Jack Gailey (Title)

