

New Location
 Drill Deeper
 Abandonment

Map Sh. 45-58 E 3 FB 548 P-25-27

Company	Hope Natural Gas Co.
Address	Clarksburg W.Va.
Farm	Theodore McDonald
Tract	Acres 40
Lease No.	4345
Well (Farm) No.	Serial No. 518
Elevation (Spirit Level)	1054
Quadrangle	Centerpoint
County	Doddridge District McClinton
Engineer	W. M. Bowers
Engineer's Registration No.	900
File No.	Drawing No.
Date	5-12-48
Scale	1" = 500'

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

WELL LOCATION MAP
 FILE NO. DOD-648-A

72345 on CNG maps
 + 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.



538

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

Permit No. AP 538-A Oil or Gas Well _____ (KIND)

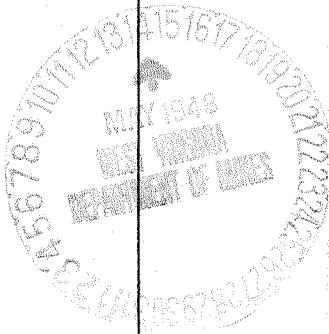
Company Hope Natural Gas Company
 Address 445 West Main St. Clarksburg, W. Va.
 Farm Theodore McDonald Acres 40
 Location (waters) _____
 Well No. 518 Elev. 1054
 District McClellan County Doddridge
 The surface of tract is owned in fee by _____
 Address _____
 Mineral rights are owned by _____
 Address _____
 Drilling commenced October 22, 1903
 Drilling completed December 24, 1903
 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.
 Fresh water none recorded feet _____ feet
 Salt water none recorded feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10	350	Pulled	Size of
8 1/2	1350	1350	Depth set
6 5/8	2105	2105	
5 3/16			
3			Perf. top
2	2920	Pulled	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ NOT _____ SIZE _____ No. Ft. _____ Date _____

COAL WAS ENCOUNTERED AT 825 FEET 830 INCHES
 _____ FEET _____ INCHES _____ FEET _____ INCHES
 _____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Pittsburgh Coal			825	830			
Dunkard			1350	1360			
Salt			1680	1830			
Maxon			1880	1960			
Big Line			2085	2145			
Big Injun			2145	2245			
Fifty foot			2710	2735			
Thirty foot			2830	2850			
Gordon stray			2865		gas	2871	
Total depth				2891			



Well No. 518 Lease No. Name Thos McDonald District County Doddridge State W. Va
District McCallan

Location Made First Work Done
Rig Commenced Rig Completed
Drilling Commenced Drilling Completed 12/24/03
Rig Contractor (Drilling Contractor)
Drillers (H. N. G. Co. Tools, String No.) Tool Dressers

FORMATION	Open or Close Hard or Soft	TOP	BOTTOM	Steel Line Measurements	Water Found Depth	Oil Found Depth	Gas Found Depth	REMARKS
Native Coal								
Pittsburgh Coal		825						
Little Dunkard								
Big Dunkard								
Gas Sand								
First Salt		1680	1830					
Second Salt								
Third Salt								
Maxon		1880	1960					
Little Lime								
Pencil Cave								
Big Lime								
Keener								
Big Injun		2145	2245					
Squaw								
Weir								
Berea								
Gantz								
Fifty Foot		2710	2735					
Thirty Foot								
Gordon Stray		2865					2871	
Gordon								
Fourth								
Fifth								
Total Depth			2891					

SIZE	Charged to Well		Put in Well		Pulled Out		Left in Well		Transferred Before Completing		Left at Well Not in Use		Steel Line Measurement		If more than two strings of casing are left in hole, give reasons for leaving additional strings
	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	
13" Csg.															
10" "															
8 1/4" "															
6 5/8" "															
5 3/8" "															
Tbg.															

PACKER RECORD

SIZE	KIND	Amount Anchor	Amount Above Anchor	REMARKS

SHOOTING RECORD (if shot before or upon completion of well)

DATE	Quarts	Top of Shell	Bottom of Shell	Diameter	Sand	TEST BEFORE SHOT			TEST AFTER SHOT			Test Taken After Shot No. Hours	By Whom Shot
						Reading	Liquid	Opening	Reading	Liquid	Opening		

CEMENTING RECORD

Date Cemented Size Hole Cemented Size Casing Cemented
Top Pittsburgh Coal Top Cementing Amount Cement Used
Bottom Pittsburgh Coal Bottom Cementing Amount Sand Used
Mr. of Coal Company on ground when coal was cemented
Remarks: Signature of persons who cemented well

Approved Foreman