



7.5' loc
 2338 39° 7' 30"
 1096 80° 47' 30"
 5.30 S.
 3.56 W.
 6.5W (K-8)

L. W. Deitz
 158±

calc 15' loc
 5.235

3.50W Ravenseve Map, S-94, W-14; F.B. 1287, P. 18 & 19

Minimum Error of Closure 1" in 2500'

Source of Elevation Levels from U.S.G. & G.S. B.M.
 #G237 1962 to Loc. (2863.85')

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 GAULEY COAL LAND CO.
 Tract _____ Acres 19,329.36 Lease No. 72598
 Well (Farm) No. _____ Serial No. 10514
 Elevation (Spirit Level) 2758'
 Quadrangle WINONA - E. C. Corliss 75922
 County GREENBRIER District MEADOW BLUFF
 Engineer Jay H. Bradley
 Engineer's Registration No. 24251
 File No. _____ Drawing No. _____
 Date 8-2-63 Scale 1"=500'

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

WELL LOCATION MAP
 FILE NO. GREEN-16

+ 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 9

Rotary
Spudder
Cable Tools
Storage

Quadrangle Winona E.C.
Permit No. GREEN-16

WELL RECORD

Oil or Gas Well () **DRY**
(KIND)

Company Hope Natural Gas Company
Address Clarksburg, W. Va.
Farm Ganley Coal & Land Company Acres 19,329.36
Location (waters) Youngs Creek
Well No. 10511 Elev. 2758'
District Meadow Bluff County Greenbrier
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced September 18, 1963
Drilling completed November 22, 1963
Date Shot No shot From _____ To _____
With _____
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume Show only-Not enough to test Cu. Ft.
Rock Pressure None taken lbs. _____ hrs.
Oil None bbls., 1st 24 hrs.
WELL ACIDIZED None
WELL FRACTURED Not fractured

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer _____
16			
13	229	229	
10			Size of _____
9 9-5/8	2900	2900	
6 5/8	7621	7621	Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED 13" SIZE 250' No. Ft. 9-63 Date
9" 500
COAL WAS ENCOUNTERED AT 7" FEET 763' INCHES
NONE FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

RESULT AFTER TREATMENT

ROCK PRESSURE AFTER TREATMENT

Fresh Water see log Feet _____ Salt Water _____ Feet _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Clay			0	54	Fresh water	54	
Sand			54	60			
Shale grey			60	85			
Sand, white			85	115			
Shale			115	260	Water	150	
Sand			260	320			
Shale grey			320	355			
Shaly sand black			355	375			
Lime & Sand Fray			375	400			
Sand, Whit			400	435			
Sand Shale Black			435	505			
Sand White			505	570			
Sand Shale Black			570	665			
Shale & Lime Black			665	680			
Sand White			680	725			
Sand & Slats			725	745			
Sand			745	755			
Bed Bed			755	795			
Shale			795	815			
Sand & Shale			830	940			
Sand			940	975			
Shale			975	985			
Sand, White			985	1000			
Sand Shale			1000	1075			
Lime Shale			1075	1130			
Shale & sand Red			1130	1725			
Shale Red			1725	1850			
Sandy Shale			1850	1875			
Bed Bed			1875	1890			
Shale			1890	1940			
Shale & Sand Shells			1940	1975			



Formation	Color	Hard or Soft	Top 9	Bottom	Oil, Gas or Water	Depth Found	Remarks
Lime & Sand			1975	2015			
Shale			2015	2068			
Shaly Sand			2068	2100			
Shale			2100	2205			
Shaly Sand			2205	2225			
Shale			2225	2315			
Sand			2315	2360			
Shale Gray			2360	2399	7642	7664	7980
Shaly Lime			2399	2405	2758		
Lime			2405	2900	4884		
Sand, shale, Lime, shells			2900	3340			
Shale			3340	3460			
Slate & Shells			3460	3550			
Shale			3550	3765			
Shale			3765	3787			
Shaly Lime			3787	4855			
Sand			4855	4862			
Sand & Lime			4862	5340			
Britty Lime			5340	5405			
Slate & Shells Gray			5405	5600			
Shale gray			5600	5680			
Shale Lime Shells			5680	5900			
Shale Black			5900	6000			
Shale Gray			6000	6425			
Shale Black			6425	7005			
Shale & Lime Gray			7005	7290			
Shale Black	MARCELLUS		7290	7642			
Lime	HUNTSVILLE		7642	7664	Gas	7850	show only
Sand - ORSK	# HBBG		7664	7975			
Sand & Lime	HBBG		7975	7980			
Lime			7980	8057			
Total Depth				8057			

485

Date November 26, 1963

APPROVED Hops Natural Gas Company, Owner

By Walter P. Phillips
(Title)

