



4.88-S
 4.93-S
 2.52-W
 2.57-W

Map Sheet 62-W, S-46, W-62, F.B. 1293, R-1-3
 Minimum Error of Closure 1" in 200'
 Source of Elevation Levels from Well # 9066

"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."

95C (H-52)
 New Location
 Drill Deeper
 Abandonment

Company HOPE NATURAL GAS CO.
 Address CLARKSBURG, W. VA.
 Farm OTIS SHINN
 Tract _____ Acres 615 Lease No. 51913
 Well (Farm) No. _____ Serial No. 10519
 Elevation (Spirit Level) 883'
 Quadrangle RIPLEY SW
 County JACKSON District RIPLEY
 Engineer Jackson M. Jarvis
 Engineer's Registration No. 2397
 File No. _____ Drawing No. _____
 Date 9-19-63 Scale 1" = 40 POLES

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

WELL LOCATION MAP
 FILE NO. JAC-1063

+ 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.

K&E 156 IMPERIAL TRACING CLOTH T.M. 66737
 Samples 6-6 311 Deep Well 4728



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 17

Quadrangle Ripley S W

Permit No. Jac-1063

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company Hope Natural Gas Company
 Address Clarksburg, W. Va.
 Farm Otis Shinn Acres 615
 Location (waters) Cox Fork
 Well No. 10519 Elev. 883
 District Ripley County Jackson
 The surface of tract is owned in fee by _____
 Address _____
 Mineral rights are owned by _____
 Address _____
 Drilling commenced October 21, 1963
 Drilling completed February 22, 1964
 Date Shot Not shot From _____ To _____
 With _____
 Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
 Volume 660 M Cu. Ft.
 Rock Pressure 935 lbs. 24 hrs.
 Oil _____ bbls., 1st 24 hrs.
 WELL ACIDIZED no
 WELL FRACTURED 3-6-64

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16	<u>11</u>	<u>44</u>	
13	<u>549</u>	<u>549</u>	
10	<u>1182</u>	<u>1182</u>	Size of
8 1/4	<u>2221</u>	<u>2221</u>	
6 3/4	<u>4966</u>	<u>4966</u>	Depth set
5 1/2 <u>4 1/2</u>	<u>5176</u>	<u>5176</u>	
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

RESULT AFTER TREATMENT 1,237 M
 ROCK PRESSURE AFTER TREATMENT same
 Fresh Water See log Feet _____ Salt Water _____ Feet _____

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
 see below
 COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
 _____ FEET _____ INCHES _____ FEET _____ INCHES
 _____ FEET _____ INCHES _____ FEET _____ INCHES
8-5/8" casing cemented with 25 bags cement
7" casing cemented with 24 bags cement
4-1/2" casing cemented with 51 bags cement

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Clay			0	14			
Red Rock			14	33			
Slate			33	50			
Broken Sand			50	77			
Red Rock			77	142			
Slate & Shells			142	174			
Red Rock			174	265			
Sand			265	297			
Slate			297	307			
Sand			307	371			
Slate			371	377			
Red Rock			377	388			
Slate			388	400			
Red Rock			400	424			
Sand			424	442			
Slate			442	453			
Red Rock			453	474			
Sand			474	498			
Red Rock & Shells			498	537			
Slate & Shells			537	558			
Sand			558	572			
Red Rock			572	588			
Slate			588	600			
Sand			600	625			
Slate & Shells			625	712			
Sand			712	755			
Slate			755	788			
Red Rock			788	820			
Slate			820	857			



Formation	Color	Hard or Soft	Top 17	Bottom	Oil, Gas or Water	Depth Found	Remarks
ed Rock			857	890			
and			890	921			
late & Shells			921	978			
ed Rock & Lime			978	1022			
and			1022	1060			
late & Shells			1060	1105			
lime			1105	1127			
late & Shells			1127	1161			
sand			1161	1180			
ilate			1180	1200			
sand - Big boulders?			1200	1288			
ilate			1288	1328			
sand			1328	1347			
ilate			1347	1365			
sand			1365	1400			
Slate & Shells			1400	1457	oil	1100	show
Sand - Salt Sand?			1457	1570	water	1522-30	hole full
Slate			1570	1615			
Sand - Salt Sand?			1615	1630			
Slate & Shells			1630	1695			
Lime			1695	1724			
Sand - Salt Sand?			1724	1943			
Lime - Big lime?			1943	2054			
Broken Sand - In grain			2054	2150			
Black Slate			2150	2155			
Broken Sand - Squares			2155	2187	4960	5055	5118
Slate & Shells			2187	2255	883	883	883
Gritty Lime			2255	2320			
Slate & Shells			2320	2558			
Sand - Salt Sand?			2558	2590	4077	4172	4235
Slate & Shells - blue			2590	3767			
Brown Shale			3767	3840			
Slate & Shells			3840	4035			
Brown Shale			4035	4143			
Slate & Shells			4143	4171			
Brown Shale			4171	4315	gas	1174-81	
Slate & Shells			4315	4700			
Brown Shale			4700	4810			
Slate & Shells			4810	4847			
Brown Shale			4847	4924			
Black Shale - Mottled			4924 4412?	4960 4456			
Corniferous Lime - 463			4960 4472	5055 5065	None taken	4956	
Oriskany Sand			5055 5065	5118 5114	gas	5072-2	
Lime - Helderberg			5118			5092-94	
Total Depth			5176				

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WELT KACORD
 DEPARTMENT OF MINES
 STATE OF MASSACHUSETTS

