

MAP SHEET 68 S20 W9 F.B. 1297 P. 34 & 35

Minimum Error of Closure 1 in 200'
 Source of Elevation ABD. WELL # 185 - EL. 1034'

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 FARR - RUSSELL UNIT
 Tract _____ Acres 96 Lease No. 64833
 Well (Farm) No. _____ Serial No. 72023
 Elevation (Spirit Level) 1014'
 Quadrangle HOLBROOK — F.C.
 County DODDRIDGE District COVE
 Engineer Jackson M. Jarvis
 Engineer's Registration No. 2397
 File No. _____ Drawing No. _____
 Date 3-3-64 Scale 1" = 40'

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

WELL LOCATION MAP
 FILE NO. DOD-1106

+ 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 6

Quadrangle Holbrook
Permit No. DODD-1106

DRY ✓

WELL RECORD

Oil or Gas Well Gas
(KIND)

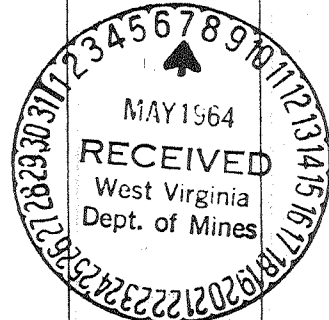
Company Hope Natural Gas Company
Address Clarksburg, W. Va.
Farm Farr-Russell Unit Acres 96
Location (waters) _____
Well No. 10542 Elev. 1044'
District Cove County Doddridge
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced May 2, 1964
Drilling completed May 5, 1964
Date Shot _____ From _____ To _____
With _____
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
_____ /10ths Merc. in _____ Cu. Ft.
Rock Pressure None lbs. _____ hrs.
Oil None bbls., 1st 24 hrs.
WELL ACIDIZED No
WELL FRACTURED No

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer _____
16			
13			Size of _____
10 9 5/8	223	223	Depth set _____
8 1/4			Perf. top _____
6 3/4			Perf. bottom _____
5 3/16			Perf. top _____
3			Perf. bottom _____
2			
Liners Used			

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
no cementing _____
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
none FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

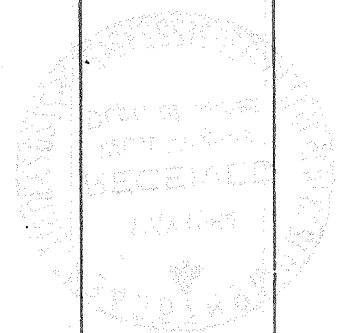
RESULT AFTER TREATMENT --
ROCK PRESSURE AFTER TREATMENT --
Fresh Water See log Feet _____ Salt Water _____ Feet _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Surface			0	36			
Sand			45	55			
Shale			55	70			
Red Rock			70	78			
Sand & Shale			75	115			
Red Rock			115	165			
Shale & R.R.			165	180			
Shale			180	220			
Shale & R.R.			220	310			
Sand			310	340			
Shale			340	370			
Sandy shale			370	385			
Red Rock			385	410			
Sandy Shale			410	425			
Sand			425	450			
Shale			450	460			
Sandy Shale			460	470			
Shale			470	480			
Sand			480	495			
Shale			495	505			
Sandy Shale			505	570			
Shale			570	595			
Shale & R.R.			595	645			
Red Rock			645	705			
Shale & Red Rock			705	760			
Shale & Sand			760	830			
Red Rock			830	840			
Shale			840	1005			
Sand			1005	1025			



(over)

Formation	Color	Hard or Soft	Top 6	Bottom	Oil, Gas or Water	Depth Found	Remarks
Shale			1025	1120			
Sand			1120	1150			
Shale			1150	1215			
Sand			1215	1240			
Shale			1240	1280			
Shale			1280	1310			
Sand			1310	1370			
Sandy shale			1370	1420			
Shale			1420	1445			
Sandy Shale			1445	1530			
Sand			1530	1600			
Shale			1600	1630			
Sandy Shale			1630	1670			
Sand and Salt			1670	1730			
Shale			1730	1765			
Sand & Shale			1765	1810			
Lime Little Lime			1810	1840			
Lime & Sand			1840	1850			
Sand Blue Monday			1850	1880			
Lime & Sand			1880	1915			
Sand In Sun			1915	1975	NO GAS		
Lime			1975	2060			
Total Depth				2060			



NO GAS

Date May 6, 19 64

APPROVED Hope Natural Gas Company, Owner

By Jack Bailey
(Title)