



Company HOPE NATURAL GAS CO.
 Address CLARKSBURG, W.VA.
 Farm UNITED STATES DEPT OF INTERIOR
 Tract _____ Acres 2550 Lease No. 62326
 Well (Farm) No. _____ Serial No. 10093
 Elevation (Spirit Level) 3996'
 Quadrangle SPRUCE KNOB-NC
 County PENDELTON District CIRCLEVILLE
 Engineer Guy H Bradley
 Engineer's Registration No. 2425
 File No. _____ Drawing No. _____
 Date 7-1-57 Scale 1" = 1320'

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

WELL LOCATION MAP
 FILE NO. PEND-5

+ 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.

1-0 0 Deep Well



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 18

Quadrangle SPRUCE KNOBB

WELL RECORD

Permit No. PEN-5

Oil or Gas Well Dry
(KIND)

Company Hope Natural Gas Company
Address Clarksburg, W. Va.
Farm U. S. Dept. of Interior Acres. (2550)
Location (waters) _____
Well No. 10093 Elev. 3996'
District Circleville County Pendelton
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced 10-13-57
Drilling completed 12-2-57
Date Shot Not From _____ To _____
With _____
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume None Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ 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	<u>43</u>	<u>43</u>	Size of _____
9 <u>9-5/8"</u>	<u>970</u>	<u>970</u>	Depth set _____
8 1/4			Perf. top _____
6 5/8			Perf. bottom _____
5 3/16			Perf. top _____
3			Perf. bottom _____
2			
Liners Used			

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
13" cemented to surface
9-5/8 cemented with 100bags
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET No Coal INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

RESULT AFTER TREATMENT

ROCK PRESSURE AFTER TREATMENT

Fresh Water None Feet _____ Salt Water None Feet _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Surface			0	42			
Sand			42	85			
Shale			85	105			
Sand & Shale			105	354			
Sand			354	530			
Sand & Shale			530	548			
Shale & Lime			548	573			
Shale			573	585			
Lime			585	590			
Sand & Shale			590	620			
Lime			620	630			
Shale			630	1085			
Sand & Lime			1085	1220			
Sand, Shale & Lime			1220	2755			
Lime			2755	2850			
Sand & Shale			2850	3025			
Lime			3025	3054			
Sand & Shale			3054	3915			
Shale			3915	4385			
Shale & Lime			4385	4470			
Lime			4470	4708			
Shale			4708	5735			
Lime			5735	5745			
Shale & Lime			5745	5850			
Lime			5850	6030			
Shale & Lime			6030	6140			
Shale			6140	6310			
Lime			6310	6335			
Shale			6335	6450			



(over)

Formation	Color	Hard or Soft	Top 18	Bottom	Oil, Gas or Water	Depth Found	Remarks
✓ TULLY LIME			6450	6480			
Shale			6480	6790			
Lime			6790	6795			
Shale			6795	6840			
Black Shale			6840	7005			
Lime			7005	7020			
Black Shale - Marcellus			7020	7080			
✓ Brown Break - Tioga			7080				
✓ ONONDAGA			7080	7210'	No gas & no water		
				7210'			
Total Depth				7210'			
				(461)			
						7080	
						3996	
						4084	

Date December 5, 1957

APPROVED Hope Natural Gas Company, Owner

By Jack Bailey (Title)