

Company Hope Natural Gas Co.
 Address Clarksburg, W. Va.
 Farm G. C. Spaur
 Tract _____ Acres 245 Lease No. 21765
 Well (Farm) No. _____ Serial No. 2493
 Elevation (Spirit Level) 1056'
 Quadrangle Crawford
 County Lewis District Skin Creek
 Engineer Wm Bowers
 Engineer's Registration No. 900
 File No. _____ Drawing No. _____
 Date 10-21-48 Scale 1" = 40' P

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

WELL LOCATION MAP
 FILE NO. LEW-447-A

+ 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.

"IMPERIAL" TRACING CLOTH
 K & E CO., N. Y.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

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WELL RECORD

Permit No. 447-A

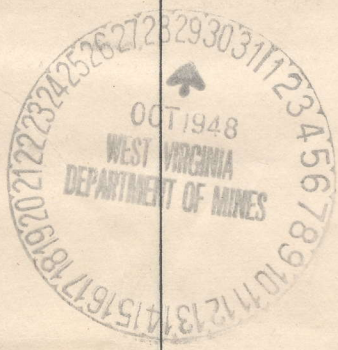
Oil or Gas Well (KIND)

Company Hope Natural Gas Company.
 Address 445 West Main St. Clarksburg, W. Va.
 Farm G.C. Spaur Acres 245
 Location (waters) _____
 Well No. 2493 Elev. 1056
 District Skin Creek, County Lewis
 The surface of tract is owned in fee by _____
 Address _____
 Mineral rights are owned by _____
 Address _____
 Drilling commenced April 6, 1912
 Drilling completed May 22, 1912
 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	347	Pulled	Size of
8 1/4	780	Pulled	
6 5/8	1722	1722	Depth set
5 3/16	2203	2203	
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

NOT
 CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
 COAL WAS ENCOUNTERED AT 170 FEET 36 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			170	173			
Big Dunkard			400	480			
First Salt			1030	1170			
Second Salt			1180	1275			
Little Lime			1561	1581			
Pencil cave			1581	1587			
Big Lime			1587	1652			
Big Injun			1652	1792			
Gantz			1951	1969			
Fifty foot			2034	2050			
Gordon stray			2195	2204			
Gordon			2205	2228	gas	2228	
Total depth				2239			



JAN 22 1949

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks

DEPARTMENT OF MINES
STATE OF WEST VIRGINIA

Date October 28, 1948., 19__

APPROVED Hope Natural Gas Company., Owner



By _____, Superintendent

(Title) _____