



Company Hope Natural Gas Co.
 Address Clarksburg, WVa.
 Farm Marcus Ice

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

MARCUS ICE NO. 4189 WELL.

47A

Pawpaw District, Marion County, W. Va.
 By Hope Natural Gas Co., 445 W. Main St., Clarksburg, W. Va.
 Abandoned under permit Mon-.....-A?
 On 200 acres.
 Elevation, 1171' L.
 Drilling commenced April 16, 1916; completed May 6, 1916.
 Fresh water, none recorded.
 Salt water, 1430'.
 10" casing, 549'; 8 $\frac{1}{4}$ ", 1490'; 6 $\frac{3}{8}$ ", 1801'; all left in.
 10" casing cemented, 549', April 1916.
 Coal was encountered at 390-395 and 490-497'.
 Gas well. Abandonment reported to Dept. of Mines April 17, 1945.
 Record to RCT from Mrs. Griffith June 27, 1945. Old File No. 488.

	Top.	Bottom.
Native coal	390	395
Pittsburgh Coal	490	497
Little Dunkard Sand	835	845
Big Dunkard Sand	870	910
Gas Sand	1070	1080
First Salt Sand	1160	1190
Second Salt Sand (water, 1430')	1410	1485
Marion Sand	1510	1630
Little Line	1770	1775
Pencil Cave	1775	1780
Big Line	1780	1790
Big Injun Sand (gas, 1865 & 1920')	1790
Total depth		1932



STATE OF WEST VIRGINIA
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OIL AND GAS DIVISION

488

WELL RECORD

Permit No. MAR-417-A Oil or Gas Well _____ (KIND)

Company Hope Natural Gas Company.
 Address 445 West Main St. Clarksburg, W. Va.
 Farm Marcus Ice Acres 200
 Location (waters) _____
 Well No. 4189 Elev. 1171
 District Paw Paw County Marion
 The surface of tract is owned in fee by _____
 Address _____
 Mineral rights are owned by _____
 Address _____
 Drilling commenced April 16, 1916
 Drilling completed May 6, 1916
 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 1430 feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10	549	549	Size of
8 1/4	1490	1490	
6 5/8	1801	1801	Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED 10 SIZE 549 No. Ft. Apr. 1916 Date

COAL WAS ENCOUNTERED AT 390 FEET 60 INCHES
490 FEET 84 INCHES FEET INCHES
10 FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Native coal			390	395			
Pittsburgh Coal			490	497			
Little Dunkard			835	845			
Big Dunkard			870	910			
Gas sand			1030	1080			
First Salt			1160	1190			
Second Salt			1410	1485	water	1430	
Maxon			1510	1630			
Little Lime			1770	1775			
Pencil cave			1775	1780			
Big Lime			1780	1790			
Big Injun			1790		gas	1865- 1920	
Total depth				1932			

Handwritten notes:
 60" Coal
 549' 10"
 1490' 8" Cas
 180' 6" Cas
 Removed
 Bottom
 1462

