



1405-A	S	5.33
# 8163	N	2.70
# 8164	S	5.00
	W	2.50

New location
 Over
 Abandonment # 8163
 FEB. 725 P. 23

MAP 58 519220EB

Company HOPE NATURAL GAS CO.
 Address CLARKSBURG W.VA.
 Farm HARRIET WASHBURN
 Tract Acres 187 Lease No. 52929
 Well (Farm) No. 1190 Well No. 8163
 Elevation (Split Level) 8163 = 1378'
8164 = 1340'
 Quadrangle WESTON
 County HARRISON District UNION
 Engineer Wm. Bowen
 Engineer's Registration No. 900
 File No. _____ Drawing No. _____
 Date Approved 1/20/50 Scale 1" = 40 Feet

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

WELL LOCATION MAP
 FILE NO. HAR-1405-A-8163

+ 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 space on border line of original tracing.

HARRIET WASHBURN NO. 8163 WELL.

1405A

Union District, Harrison County, W. Va.

By Hope Natural Gas Co., 445 W. Main St., Clarksburg, W. Va.

Abandoned under permit Har-.....-A?

On 187 acres.

Elevation, 1378' L.

Drilling commenced March 19, 1917; completed April 18, 1917.

No water recorded.

10" casing, 300'; 8 $\frac{1}{4}$ " , 1255' (pulled); 6 $\frac{5}{8}$ " , 1740'; 3" tubing, 2582'.

Casing not cemented.

Coal was encountered at 200-203 and 240-247'.

Gas well. Record to Dept. of Mines dated April 24, 1950.

Record to RCT from Mrs. Griffith Sept. 9, 1950. Old File No. 1229.

	Top.	Bottom.
Native coal	200	- 203
Pittsburgh Coal	240	- 247
Little Dunkard Sand	657	- 675
Big Dunkard Sand	725	- 830
Gas Sand	860	- 925
First Salt Sand	1060	- 1125
Second Salt Sand	1145	- 1195
Third Salt Sand	1210	- 1325
Maxton Sand	1475	- 1540
Little Lime	1650	- 1675
Pencil Cave	1675	- 1700
Big Lime	1700	- 1775
Big Injun Sand (gas, 1781, 1785, and 1790')	1775	- 1887
Squaw Sand	1890	- 1897
Gantz Sand	2055	- 2073
Fifty-foot Sand (gas, 2090')	2087	- 2137
Thirty-foot Sand (gas, 2234')	2227	- 2245
Gordon Stray Sand	2267	- 2284
Gordon Sand	2308	- 2365
Fifth Sand (gas, 2547')	2545	- 2561
Total depth		2567



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

1274

WELL RECORD

Permit No. WAR-1405-A

Oil or Gas Well (KIND)

Company Hope Natural Gas Company
 Address 445 West Main St. Clarksburg, W. Va.
 Farm Harriet Washburn Acres 187
 Location (waters) _____
 Well No. 8163 Elev. 1378
 District Union County Harrison
 The surface of tract is owned in fee by _____
 Address _____
 Mineral rights are owned by _____
 Address _____
 Drilling commenced March 19, 1917
 Drilling completed April 18, 1917
 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	300	300	Size of
8 1/4	1255	Pulled	
6 1/2	1740	1740	Depth set
5 3/16			
3	2582	2582	Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

NOT CASING CEMENTED SIZE No. Ft. Date

COAL WAS ENCOUNTERED AT 200 FEET 36 INCHES
240 FEET 84 INCHES FEET INCHES
 FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Native coal			200	203			
Pittsburgh Coal			240	247			
Little Dunkard			657	675			
Big Dunkard			725	830			
Gas sand			860	925			
First Salt			1060	1125			
Second Salt			1145	1195			
Third Salt			1210	1325			
Maxon			1475	1540			
Little Lime			1650	1675			
Percil cave			1675	1700			
Big Lime			1700	1775			
Big Injun Squaw			1775 1890	1887 1897	gas	1781 85 90	
Berea							
Gartz			2055	2073			
Fifty foot			2087	2137	gas	2090	
Thirty foot			2227	2245	gas	2234	
Gordon stray			2267	2284			
Gordon			2308	2365			
Fifth			2545	2561	gas	2547	
Total depth				2567			

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

Date April 24, 1950, 19____

APPROVED Hope Natural Gas Company., Owner

By _____

(Title) *JAD*