

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all of the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

W. H. Rogers
 W. H. Rogers
 E. P. E. No. 1227

Pgh. Coal: Clinchfield Coal Co.
 Box 472, Clarksburg, W. Va.

Elevation: Brown, Short line R.R. bridge No. 411, bronze tablet stamped "9996 GRAFTON 1901"

Error: 1-1000

- PARTIAL Pkg ✓ 1-16-67
 Fracture 1-19-67
 New Location
 Drill Deeper
 Redrill
 Abandonment

Company CARNEGIE NATURAL GAS
 Address 3904 MAIN ST. MUNHALL PA.
 Farm E. E. S. ROGERS
 Tract Acres 25.9 Lease No. EB222-29
 Well (Farm) No. 1 Serial No. E 446
 Elevation (Spirit Level) 1172
 Quadrangle CLARKSBURG ~~WE~~
 County HARRISON District SADDIS
 Engineer W. H. Rogers
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date 11-2-66 Scale 1" = 20 Paces

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON 2107
WELL LOCATION MAP
 FILE NO. HAR-2-104

+ 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.

6-6-104



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle Clarksburg N.W.

Permit No. HAR-2-FRAC. -2107

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company Carnegie Natural Gas Company
 Address 3904 Main Street, Munhall, Pa.
 Farm E. E. S. Rogers Acres 25.9
 Location (waters) _____
 Well No. 1-446 Elev. _____
 District Sardis County Harrison
 The surface of tract is owned in fee by _____
 Address _____
 Mineral rights are owned by _____
 Address _____
Clean Out _____
Clean out & Fracture December 16, 1966
January 21, 1967
 Date Shot _____ From _____ To _____
 With _____
 Open Flow _____ /10ths Water in _____ Inch
 _____ /10ths Merc. in _____ Inch
 Volume Show _____ Cu. Ft.
 Rock Pressure _____ lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 WELL ACIDIZED _____

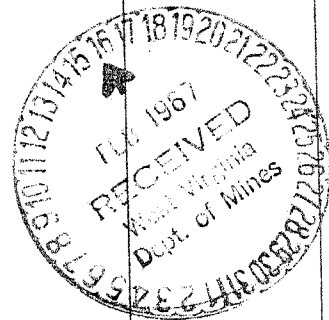
Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer _____
16			
13			Size of _____
10			
8 1/4			Depth set _____
6 5/8	1919	1919	
5 3/16			Perf. top <u>1971'</u>
3 4.50"	2043	2043	Perf. bottom <u>1991'</u>
2			Perf. top _____
Liners Used			Perf. bottom _____

CASING CEMENTED 4.50" SIZE 29' No. Ft. 1-12-67 Date

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES

WELL FRACTURED 1-21-67
 RESULT AFTER TREATMENT 300,000 Cu. Ft. Big Injun
 ROCK PRESSURE AFTER TREATMENT 555# in 24 Hrs.
 Fresh Water _____ Feet Salt Water _____ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Pgh. Coal			580	587			
Little Dunkard			1012	1032			
Big Dunkard			1070	1121			
Gas Sand			1121	1285			
1st Salt Sand			1506	1580			
2nd Salt Sand			1660	1735			
Pencil Cave			1830	1840			
Big Lime			1840	1903			
Big Injun			1903	2010			
50 Ft. Sand			2484	2530			
30 Ft. Sand			2565	2581			
Gordon Stray			2599	2628			
Gordon Sand			2674	2752			
4th Sand			2786	2792			
Filled up and lead plug drove at 2606'							
Total Depth						2606	
Set bridge at 2070' and filled with stone and cement to						2043	
Run 2043' of 4.50" OD tubing and cemented same in with 35 bags cement							
Cleaned out to 2021'							
Total depth						2021'	



(over)

E. H. S. ROGERS NO. 1 (446) WELL. N. 10 O.F.-Harrison.

70668

033 2 107

31839

50002

Sardis District, Harrison County, W. Va.

By Carnegie Natural Gas Co.,

On 25 acres. Lease No. 8222.

Commenced drilling Feb. 5, 1914; completed, April 7, 1914.

6-5/8" casing, 1919'; 2" tubing, 2606'.

Plugged and filled up to 2606'.

Pressure, 1/2 min., 0 lbs.; 1 min., 0 lbs.; 2 min., 0 lbs.; 3 min.,

20 lbs.; 4 min., 30 lbs.; 5 min., 35 lbs.; 10 min., 35 lbs.

15 min., 110 lbs.; 30 min., 190 lbs.; 1 hr., 300 lbs.;

rock, 580 lbs., 24 hrs.

Volume test taken in 2" tubing: 6/10 W.; 26/10 W. after shooting.

Connected to main line March 13, 1915.

Shot by Marietta Torpedo Co., with 30 qts.

	Top.	Bottom.
Conductor	0	16
Pittsburgh Coal	580	587
Little Dunkard Sand	940	955
Big Dunkard Sand	1070	1121
Gas Sand	1121	1285
1st Salt Sand	1430	1505
2nd Salt Sand	1580	1650
Pencil Cave	1830	1840
Big Lime	1840	1903
Big Injun Sand	1903	2010
50-Ft. Sand (show of gas at 2484')	2484	2530
30-Ft. Sand (gas at 2574')	2565	2581
Gordon Stray Sand	2592	2628
Gordon Sand	2674	2752
4th Sand	2786	2792
Total depth		3002
Plugged and filled up to		2606