



Company THE MANUFACTURERS LIGHT & HEAT CO.  
 Address 800 UNION TRUST BLD'G, PITTSBURGH, PA.  
 Farm NELSON VIRGIN  
 Tract Acres 29.33 Lease No. 2170  
 Well (Farm) No. 1 Serial No. 2299  
 Elevation (Spirit Level) 1102'  
 Quadrangle CAMERON S.E. 1/4  
 County MARSHALL District LIBERTY  
 Engineer *J. L. ...*  
 Engineer's Registration No. \_\_\_\_\_  
 File No. \_\_\_\_\_ Drawing No. Y-8-982  
 Date JANUARY 8-1941 Scale 1" = 400'

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON  
 WELL LOCATION MAP  
 File No. **MARS-149A**  
 + 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.

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

199

WELL RECORD

Permit No. Drilled in 1938

Oil or Gas Well **Gas**  
(KIND)

Company **The Manufacturers Light & Heat Co.**  
Address **800 Union Trust Bldg., Pittsburgh, Pa.**  
Farm **Nelson Virgin** Acres **22 30**  
Location (waters) \_\_\_\_\_  
Well No. **1 - 2299** Elev. **1102 ft.**  
District **Liberty** County **Marshall**  
The surface of tract is owned in fee by **Laura N Richards**  
Address **Woodcraft, W. Va.**  
Mineral rights are owned by **The MCRS Light & Heat Co.**  
Address **800 Union Trust Bldg., Pittsburgh, Pa.**  
Drilling commenced **7/8/18**  
Drilling completed **8/21/18**  
Date shot \_\_\_\_\_ Depth of shot \_\_\_\_\_  
Open Flow /10ths Water in \_\_\_\_\_ Inch  
/10ths Merc. in \_\_\_\_\_ Inch  
Volume \_\_\_\_\_ Cu. Ft.  
Rock Pressure **375** lbs. **50 minutes** hrs.  
Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
Fresh water \_\_\_\_\_ feet \_\_\_\_\_ feet  
Salt water \_\_\_\_\_ feet \_\_\_\_\_ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
13			
10	<b>258' 10"</b>		Size of
8 1/4	<b>1212'</b>	<b>1212'</b>	<b>6 5/8 x 1"</b>
6 3/4	<b>1982'</b>	<b>1982'</b>	Depth set
5 3/16			<b>2031' 1"</b>
2 1/4	<b>2111'</b>	<b>2111'</b>	Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. Ft. \_\_\_\_\_ Date \_\_\_\_\_

COAL WAS ENCOUNTERED AT **510** FEET **60** INCHES  
**705** FEET **60** INCHES **805** FEET **96 1/2** INCHES  
FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Bluff Sand			190	510			
Waynesburg Coal			510	515			
Mapleton Coal			705	710	Little Gas		
Pittsburgh Coal			805	811			
Murphy Sand			1090	1090			
Little Dunard			1805	1220			
Big Dunard			1900	1920			
Gas Sand			1140	1165			
Salt Sand			1595	1625			
Red Salt Sand			1640	1680			
Lime Stone Shells			1695	1725			
Manon Sand			1890	1915			
Little Lime			1940	1948			
Fencil Cave			1948	1956			
Big Lime			1956	1996			
Big Injun			1996	2094	Gas at 2085		
Total depth				2094			
DRILLED DEEPER		8/25/19					
Bottom of Big Injun				2344			
50 Feet Sand			2798	2853	Little gas	2799-2802	
Gordon Stray Sand			2850	2862			
1st Sand			2924	2934	Oil	2925-2931	
5th Sand			2956	2963	Gas	2957-2960	
Total depth				3035			



