

COAL OWNED BY Littleton Fuel Co.

- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT

"I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."  
 Minimum degree of accuracy is one part in 200

Signed Robert A. Lake  
Pa. Reg. # 13796-E

F.B. 1119 Pg 69 to 71

COMPANY The Manufacturers Light and Heat Co.  
 ADDRESS 800 Union Trust Bldg - Pgh. Pa. 15219  
 FARM W. P. HUBBARD  
 MAP P-25-10 ACRES 59 Acres LEASE NO. 12782  
 WELL (FARM) NO. 1 SERIAL NO. 3300  
 ELEVATION (SPIRIT LEVEL) 1060.4  
 QUADRANGLE Littleton W. Va. (15') NE  
 COUNTY Wetzel DISTRICT Clay  
 POINT OF PROVEN ELEVATION B.M. # 154 R.H.P. at Long  
Drain and Long Drain Road (Sec. Rt. 12) Elev. 981.8  
 FILE NO. \_\_\_\_\_ DRAWING NO. Y-28-557  
 DATE 8-1-68 SCALE 1" = 400'

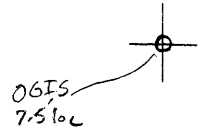
STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON  
**WELL LOCATION MAP**  
 FILE NO. Wet-75-P

+ 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.

LATITUDE 39° 42' 30"

39° 30'

LONGITUDE



7.5 OGIS topo location

7.5' loc	<u>1.97 S</u>	15' loc	<u>4.2 S</u>
	<u>0.47 W</u>	(calc.)	<u>0.7 W</u>

Company \_\_\_\_\_

Farm \_\_\_\_\_

Quad Littleton<sup>7.5'</sup> Littleton NE

County Wetzel

District Clay

WELL LOCATION MAP

File No. 103 - 75



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

- Rotary
- Spudder
- Cable Tools
- Storage

Quadrangle Littleton, W. Va. (15')

WELL RECORD

Permit No. W.E.T. - 75

Oil or Gas Well Gas  
(KIND)

Company The Manufacturers Light & Heat Company  
Address 800 Union Trust Building, Pgh. Pa. 15219  
Farm W. P. Hubbard Acres 59  
Location (waters) .....  
Well No. 3300 Elev. 1060.4  
District Clay County Wetzel  
The surface of tract is owned in fee by .....  
Address .....  
Mineral rights are owned by .....  
Address .....

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer.....
16			
13			Size of.....
10			Depth set.....
8 1/4	2024'6"	2024'6"	
6 3/8			Perf. top.....
5 3/16			Perf. bottom.....
4 1/2			Perf. top.....
3			Perf. bottom.....
2			
Liners Used			

Drilling commenced August 17, 1933  
Drilling completed September 24, 1933  
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.  
WELL ACIDIZED (DETAILS).....  
WELL FRACTURED (DETAILS).....

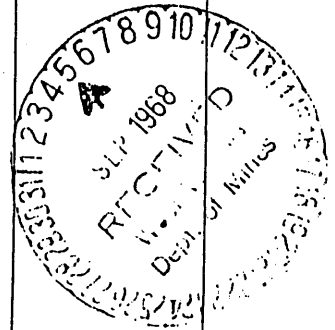
Attach copy of cementing record.  
CASING CEMENTED ..... SIZE ..... No. Ft. .... Date  
Amount of cement used (bags).....  
Name of Service Co. ....  
COAL WAS ENCOUNTERED AT ..... FEET ..... INCHES  
FEET ..... INCHES FEET ..... INCHES  
FEET ..... INCHES FEET ..... INCHES

RESULT AFTER TREATMENT (Initial open Flow or bbls.).....

ROCK PRESSURE AFTER TREATMENT..... HOURS

Fresh Water ..... Feet ..... Salt Water ..... Feet .....  
Producing Sand ..... Depth.....

Formation	Color	Hard or Soft	Top	Bottom	Oil Gas or Water Thickness	Depth	Remarks
Drilled deeper from the depth of 1567							
1st salt sand		hard	1543	1605	62		
Slate		soft	1605	1610	5		
2nd salt sand		hard	1610	1650	40		
Slate		soft	1650	1705	55		
3rd salt sand		hard	1705	1755	50		
Slate		soft	1755	1760	5		
Sand		hard	1760	1815	55		
Slate		soft	1815	1845	30		
Britty Lime		hard	1845	1872	27		
Bed rock		soft	1872	1943	71		
Lime		hard	1943	1950	7		
Pencil Cave		soft	1950	1960	10		
Big Lime		hard	1960	2030	70		Steel Line run at 1965 ft.
Big Injun sand		hard	2030	2275	245		Steel Line run at 2072 ft.
Slate and shells			2275	2560	285		Show of gas @ 2064 to 2067
Britty Lime		hard	2560	2570	10		
Slate and shells			2570	2730	160		
Slate and Lime		hard	2730	2750	20		
Fifty foot sand		hard	2750	2790	40		
Slate		soft	2790	2796	6		
Thirty foot sand		hard	2796	2809	13		Steel Line run at 2806 ft.
Slate		soft	2809	2854	45		Gas @ 2800 to 2802
Pine Rock		soft	2854	2855	1		
Gordon stray			2855	2897	42		Show of oil @ 2886 to 2891
Slate		soft	2897	2930	33		
Fourth sand		hard	2930	2955	25		
Slate			2955	2962	7		



Wet-75

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand			2962	2968	6		
Slate			2968	2984	16		
Fifth sand			2984	2986	2		
Slate			2986	3004	18		Show of oil @ 2986
Total depth			3004				Open flow test 24/10 water in 2" opening ~ 207 mcf
							Shut in test 1 min. 0
							2 " 4
							3 " 8
							4 " 12
							5 " 14
							30 " 50

Date September 4, 1968

APPROVED THE MANUFACTURERS LIGHT & HEAT CO., Owner

By Albert J. Marck  
(Title)

Asst. Manager, Land, Leasing and Right of Way