



Thomas E. Graham  
Stern Bros.

COAL OWNED BY M. A. Hanna Coal Company

- NEW LOCATION Storage
- 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 2500

Signed Robert M. Hailly

COMPANY	<u>The Manufacturers Light And Heat Company</u>		
ADDRESS	<u>800 Union Trust Bldg, Pittsburgh, Penna.</u>		
FARM	<u>W. O. Kincaid</u>		
MAP	<u>P-2517</u>	ACRES	<u>97.25'</u>
LEASE NO.	<u>14803</u>		
WELL (FARM) NO.	<u>2</u>	SERIAL NO.	<u>L-4789</u>
ELEVATION (SPIRIT LEVEL)	<u>1383'</u>		
QUADRANGLE	<u>Littleton 15' NC</u>		
COUNTY	<u>Netzel</u>	DISTRICT	<u>Proctor</u>
POINT OF PROVEN ELEVATION	<u>U.S.G.S. B.M. P-126</u>		
FILE NO.	<u>7-25-700</u>	DRAWING NO.	<u>7-25-700</u>
DATE	<u>July 12, 1963</u>	SCALE	<u>1" = 400'</u>

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION  
CHARLESTON  
WELL LOCATION MAP  
FILE No. WRT-548

+ 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 THE HIGH SPACES ON BORDER LINE OF ORIGINAL TRACING.



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

Quadrangle Littleton

Permit No. WET-548

WELL RECORD

Storage  
Oil or Gas Well GAS  
(1952)

Company The Mfrs. Lt. and Ht. Co.  
Address 800 Union Trust Bldg., Pittsburgh 19, Pa.  
Farm W. O. Kincaid Acres 97.25

Location (waters)  
Well No. 4789 Elev. 1383.00'  
District Proctor County Wetzel

The surface of tract is owned in fee by  
Address

Mineral rights are owned by  
Address

Drilling commenced August 19, 1963  
Drilling completed August 29, 1963

Date Shot 8/29/63 From Maxton To  
With

Open Flow 20 PSIG /10ths Water in \_\_\_\_\_ Inch  
/10ths Merc. in 4 1/2 Inch

Volume 12,450,000 Cu. Ft.  
Rock Pressure 635 lbs. 24 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			
10			Kind of Packerc
12 3/8"	35'	35'	
10			Size of
8 5/8"	1216'	1216'	
6"			Depth set
5 1/2"	2288'	2288'	
2			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

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

COAL WAS ENCOUNTERED AT 1160 FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

Formation	Color	<del>XXXX</del> THICKNESS	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
✓ Pittsburgh Coal		8	1160	1168			
✓ Murphy Sand		10	1256	1266			
✓ Big Dunkard		34	1686	1720			
✓ 1st Salt Sand		12	1898	1910			
✓ 2nd Salt Sand		23	1960	1983			
✓ 3rd Salt Sand		18	2044	2062			
✓ Maxton Sand		28	2150	2178			
Total Depth				2267			
				2288'			
				2278'			
					Perforated	2154 to 2178'	

5 1/2" Float Shoe set at  
5 1/2" Insert Check Valve at

