

18280

COAL OWNED BY M. A. HANNA 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 M. Hill (J.F.)

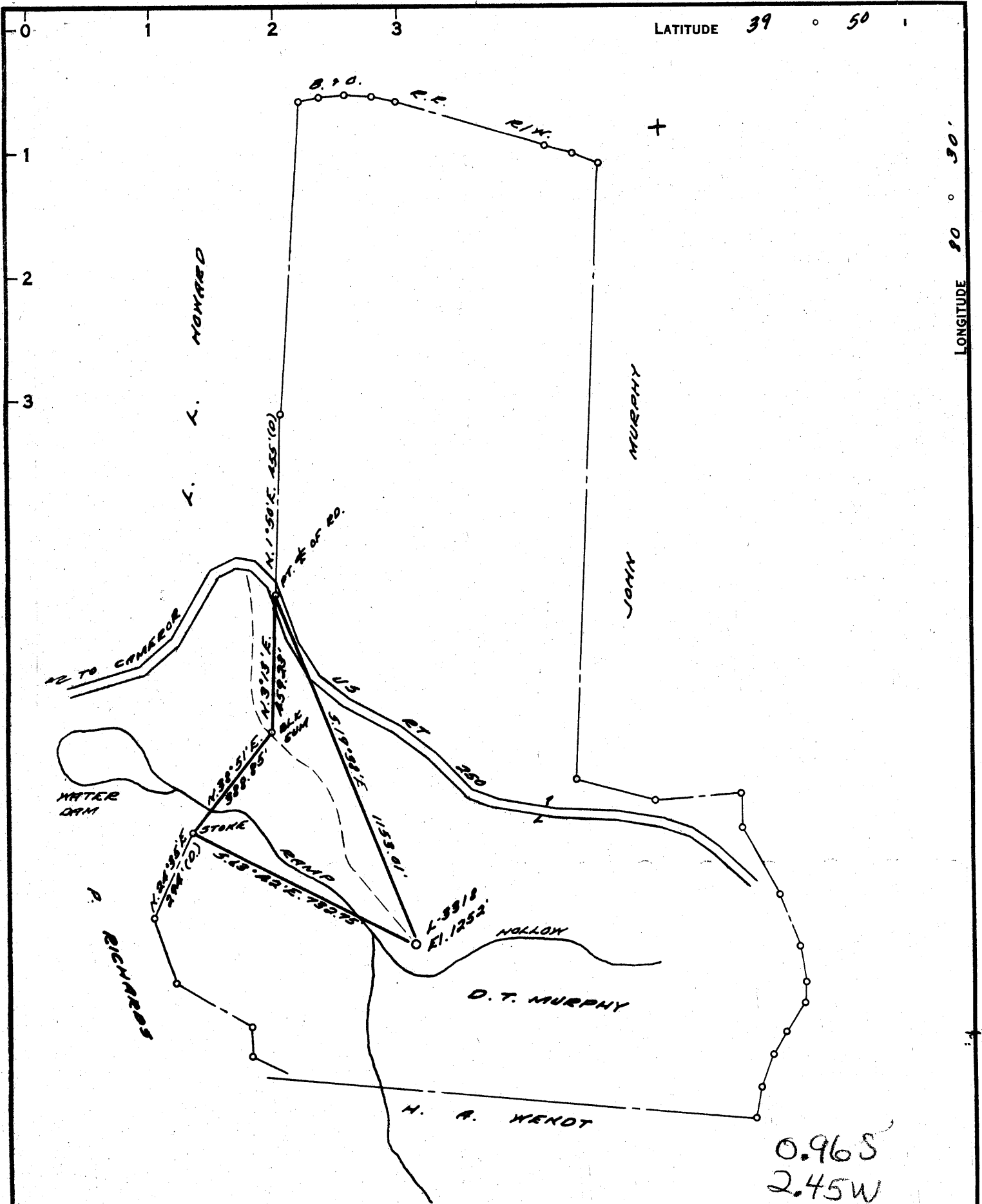
COMPANY <u>THE MANUFACTURERS LIGHT &amp; HEAT CO.</u>	
ADDRESS <u>800 UNION TR. BLDG., PGH. PA.</u>	
FARM <u>D. T. MURPHY</u>	
MAP <u>0-25-25</u>	ACRES <u>92</u> LEASE NO. <u>2226</u>
WELL (FARM) NO. <u>1</u>	SERIAL NO. <u>3318</u>
ELEVATION (SPIRIT LEVEL) <u>1252'</u>	
QUADRANGLE <u>CAMERON 075</u>	
COUNTY <u>MARSHALL</u>	DISTRICT <u>LIBERTY</u>
POINT OF PROVEN ELEVATION <u>B.M. AT CAMERON 810 STATION</u>	
FILE NO. _____	DRAWING NO. <u>Y-28-30</u>
DATE <u>21 JULY 1965</u> SCALE <u>1" = 400'</u>	

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON  
 WELL LOCATION MAP

FILE NO. MARSHALL A-PP  
SEC: 051-0784-T

+ 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.



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ELEVATION (SPIRIT LEVEL) <u>1252'</u>	
QUADRANGLE <u>CAMERON - SE</u>	
COUNTY <u>MARSHALL</u>	DISTRICT <u>LIBERTY</u>
POINT OF PROVEN ELEVATION <u>B.M. AT CAMERON</u>	
<u>840 STATION</u>	
FILE NO. _____	DRAWING NO. <u>Y-28-30</u>
DATE <u>21 JULY 1965</u> SCALE <u>1" = 400'</u>	

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES  
OIL AND GAS DIVISION  
CHARLESTON

WELL LOCATION MAP 784

FILE NO. MAKS-486-A  
but now a storage well

+ 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.

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STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

Rotary   
Spudder   
Cable Tools   
Storage

11-19-65

Quadrangle Cameron

WELL RECORD

Permit No. MARS-486-PP 7784

Oil or Gas Well Storage  
(KIND)

Company The Manufacturers Light & Heat Company  
Address 800 Union Trust Building, Pgh. 19, Penna.  
Farm D. Murphy Acres 92  
Location (waters) Grave Creek  
Well No. 3318 Elev. 1252.00'  
District Liberty County Marshall  
The surface of tract is owned in fee by Basil McCracken Address Cameron, W. Va.  
Mineral rights are owned by David T. Murphy Jr.  
83 Gable Avenue Address Cameron, W. Va.  
Drilling commenced May 3, 1965  
Drilling completed Sept. 10, 1965  
Date Shot Not Shot From N/A To N/A  
With N/A  
Open Flow 0 /10ths Water in 1/4" Inch  
--- /10ths Merc. in --- Inch  
Volume None Cu. Ft.  
Rock Pressure 00 lbs. 6-Days hrs.  
Oil No Oil bbls., 1st 24 hrs.  
WELL ACIDIZED No  
WELL FRACTURED No

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size <u>OD</u>			Kind of Packer <u>Anchor</u>
16			Size of <u>1 1/2" x 7"</u>
13			Depth set <u>2025'</u>
10			Perf. top <u>N/A</u>
8 1/4 <u>8-5/8"</u>	<u>00</u>	<u>1227'</u>	Perf. bottom <u>N/A</u>
6 5/8 <u>7"</u>	<u>00</u>	<u>2020'</u>	Perf. top <u>N/A</u>
5 3/16			Perf. bottom <u>N/A</u>
3 <u>4-1/2"</u>	<u>00</u>	<u>162'</u>	
2 <u>2-3/8"</u>	<u>00</u>	<u>2025'</u>	
Liners Used			

CASING CEMENTED --- SIZE --- No. Ft. --- Date ---  
No Casing or Tubing Cemented.  
COAL WAS ENCOUNTERED AT 834 FEET 00 INCHES  
834 FEET 00 INCHES 842 FEET 00 INCHES  
--- FEET --- INCHES --- FEET --- INCHES

RESULT AFTER TREATMENT N/A  
ROCK PRESSURE AFTER TREATMENT N/A  
Fresh Water N/A Feet N/A Salt Water N/A Feet N/A

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Pittsburgh Coal			834	842			
Murphy Sand			916	964			
Big Dunkard			1310	1360			
1st Salt Sand			1510	1538			
2nd Salt Sand			1623	1636			
Maxton Sand			1806	1846			
Big Lime			1944	1980			
Big Injun			1984	2234 (Assumed)		2058' to 2090' = 7% Porosity, 35% Water Saturation.	
Total Depth				2187			



Note: The 8-5/8" and 7" Casings were not disturbed, not cemented. Well plugged back from original total depth of 2985' as follows: 2985 to 2775' Aquagel, 2775 to 2715' Cement, 2715 to 2285' Aquagel, 2285 to 2215' Cement, 2215 to 2187' Stone. Plugged back by Well Service Inc.. Well logged to 2187' by Schlumberger Well Survey Corp..

NO. 4  
APPROVED BY  
D. T. Cable  
D. T. CABLE  
DIV. SUPT.

*ats*