

18279

COAL OWNED BY M. R. HANNA

- PART PLUG.  
 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 2500

Signed John A. London 12710  
 J.P.

COMPANY THE MANUFACTURERS LIGHT & HEAT CO.  
 ADDRESS 800 UNION TRUST BLDG. PCH., PENN.  
 FARM J. R. JONES  
 MAP \_\_\_\_\_ ACRES 60 LEASE NO. 2267  
 WELL (FARM) NO. 1 SERIAL NO. 2497  
 ELEVATION (SPIRIT LEVEL) 1960'  
 QUADRANGLE CAMERON d 7.5  
 COUNTY MARSHALL DISTRICT LIBERTY  
 POINT OF PROVEN ELEVATION U.S.S.S. B.M.

FILE NO. \_\_\_\_\_ DRAWING NO. Y-25-988  
 DATE 31 MAR. 1965 SCALE 1"=400'

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS DIVISION

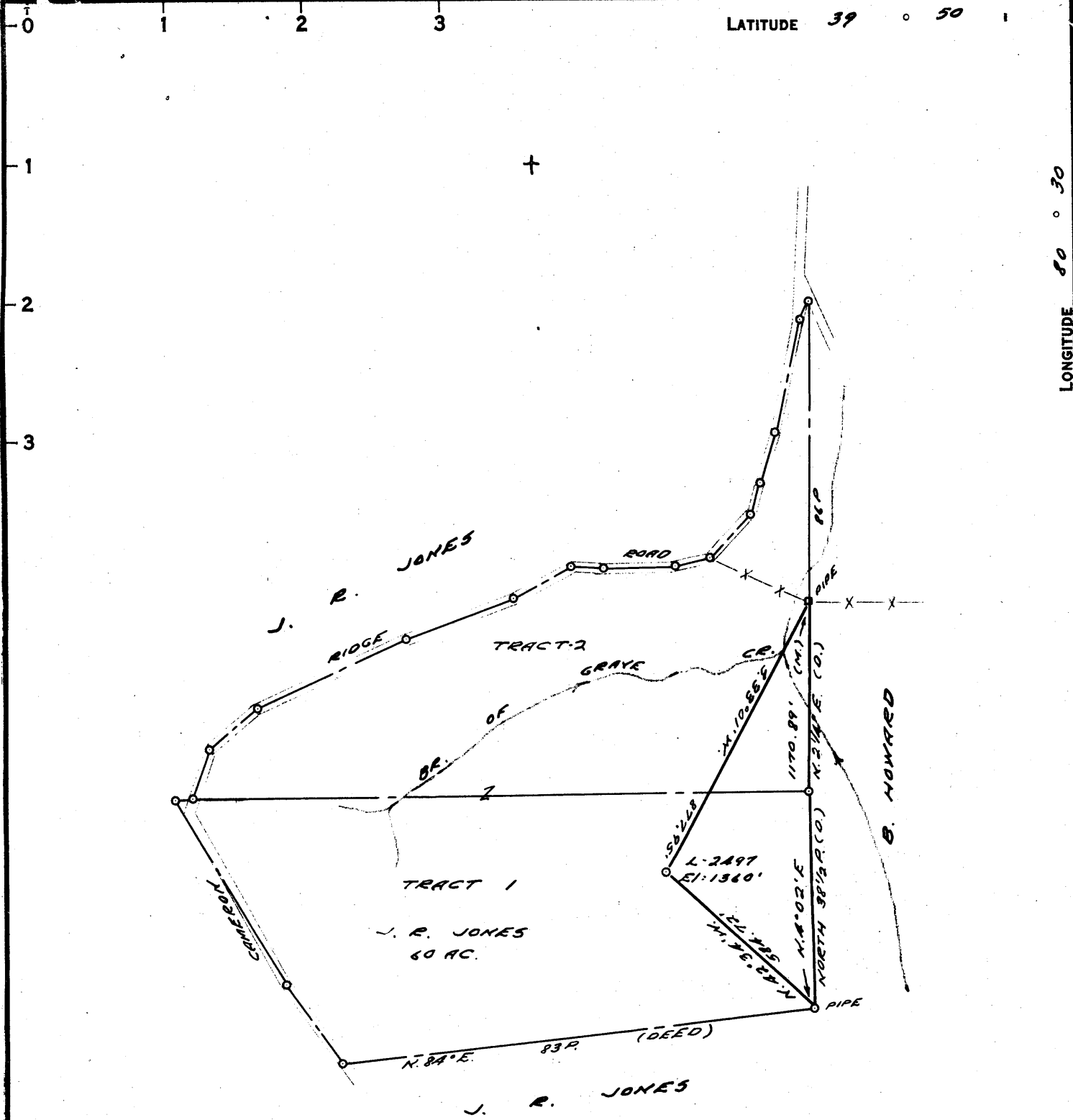
CHARLESTON

WELL LOCATION MAP

FILE NO. MARS-480-A-PP  
Sec: 051-0783-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.



1.16 S  
 3.85 W  
 2.20  
 ---  
 765

COAL OWNED BY M.A. HANNA  
 PART. PLUG.  
 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 2500  
 Signed John A. London 12710  
 J.F.

COMPANY THE MANUFACTURERS LIGHT & HEAT CO.  
 ADDRESS 800 UNION TRUST BLDG. PCH., PENN.  
 FARM J. R. JONES  
 MAP \_\_\_\_\_ ACRES 60 LEASE NO. 2267  
 WELL (FARM) NO. 1 SERIAL NO. 2497  
 ELEVATION (SPIRIT LEVEL) 1360'  
 QUADRANGLE CAMERON - 5C  
 COUNTY MARSHALL DISTRICT LIBERTY  
 POINT OF PROVEN ELEVATION U.S.G.S B.M.  
 FILE NO. \_\_\_\_\_ DRAWING NO. Y-25-988  
 DATE 31 MAR. 1965 SCALE 1" = 400'

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON  
 WELL LOCATION MAP *now storage well*  
 FILE NO. MARS-480-A 783  
 + 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.

*Now Gas Storage*



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

Rotary   
Spudder   
Cable Tools   
Storage

Quadrangle CAMERON

WELL RECORD

Oil or Gas Well Storage  
(KIND)

Permit No. MAE-180-PP → 783

Company The Manufacturers Light & Heat Company  
Address 800 Union Trust Building  
Pittsburgh 30, Pennsylvania  
Farm J. R. Jones Acres 60  
Location (waters) Grave Creek  
Well No. 2197 Elev. 1360.00'  
District Liberty County Marshall  
The surface of tract is owned in fee by Gay Yoho  
R D # 2 Address Cameron, W. Va.  
Mineral rights are owned by J. R. Jones Hqs.  
James E. Kinsey Agt. Address 19 Union Street  
Cameron, W. Va.  
Drilling commenced April 14, 1965  
Drilling completed May 5, 1965  
Date Shot N/A From N/A To N/A  
With Well not shot  
Open Flow 0 /10ths Water in 1/4" Inch  
/10ths Merc. in \_\_\_\_\_ Inch  
Volume None Cu. Ft.  
Rock Pressure 6 lbs. 24 hrs.  
Oil None bbls., 1st 24 hrs.  
WELL ACIDIZED No  
WELL FRACTURED Not Fractured

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size <u>16</u>			Kind of Packer _____
13			<u>Anchor</u>
10 <u>XXXXXX</u>			Size of _____
8 1/2 <u>8-5/8"</u>		<u>2435'</u>	<u>1 1/2" X 7"</u>
6 3/4 <u>7"</u>		<u>2085'</u>	Depth set <u>2178'</u>
5 3/16			
3 <u>1-1/2"</u>		<u>220'</u>	Perf. top <u>2361'</u>
2 <u>2-3/8"</u>		<u>2178'</u>	Perf. bottom <u>2391'</u>
Liners Used			Perf. top <u>2180'</u>
			Perf. bottom <u>2210'</u>

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. Ft. \_\_\_\_\_ Date \_\_\_\_\_  
No Casing or Tubing cemented.  
COAL WAS ENCOUNTERED AT 994 FEET 00 INCHES  
994 FEET 00 INCHES 1000 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			<u>994'</u>	<u>1000'</u>			
Big Dunkard			<u>1520'</u>	<u>1550'</u>			
Merton Sand			<u>1978'</u>	<u>2012'</u>			
Little Lime			<u>2100'</u>	<u>2110'</u>			
Big Lime			<u>2112'</u>	<u>2112'</u>			
Big Injun			<u>2146'</u>	<u>2400'</u> (Assumed)		<u>2242'</u> to <u>2260'</u> 11% Porosity and 45% Water Saturation.	
Total Depth				<u>2391'</u>			

Note: Original 8-5/8" and 7" Casings were not disturbed, not cemented. 1-1/2" X 7" Anchor Packer set at 2178', 220' of 1-1/2" Tubing below Packer, 2178' of 2-3/8" Sm. Gr. J-Seal Lock Tubing on top of Packer. First and Seventh joints of 1-1/2" Tubing perforated. Well Plugged back from original Total Depth of 3043' as follows: 3043' to 2767' Aquagel, 2767' to 2707' Cement, 2707' to 2451' Aquagel, 2451' to 2391' Cement. Well, plugged back by Well Service Inc. using the original 1-1/2" Tubing.

*ctg*

(over)

APPROVED BY  
*[Signature]*  
D. T. CABLE  
DIV. SUFF.

APPROVED BY  
*[Signature]*  
D. T. CABLE  
DIV. SUFF.