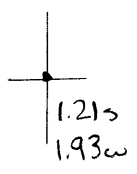


40°35'00"

Latitude

80°32'30"

Longitude



Topo Location

7.5' Loc. _____ 15' Loc. _____
 _____ (calc.) _____

Company Manufact Lt + Ht

Farm James P + Dona B Leech #2

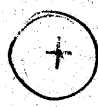
15' Quad _____
(sec.)

7.5' Quad East Liverpool South

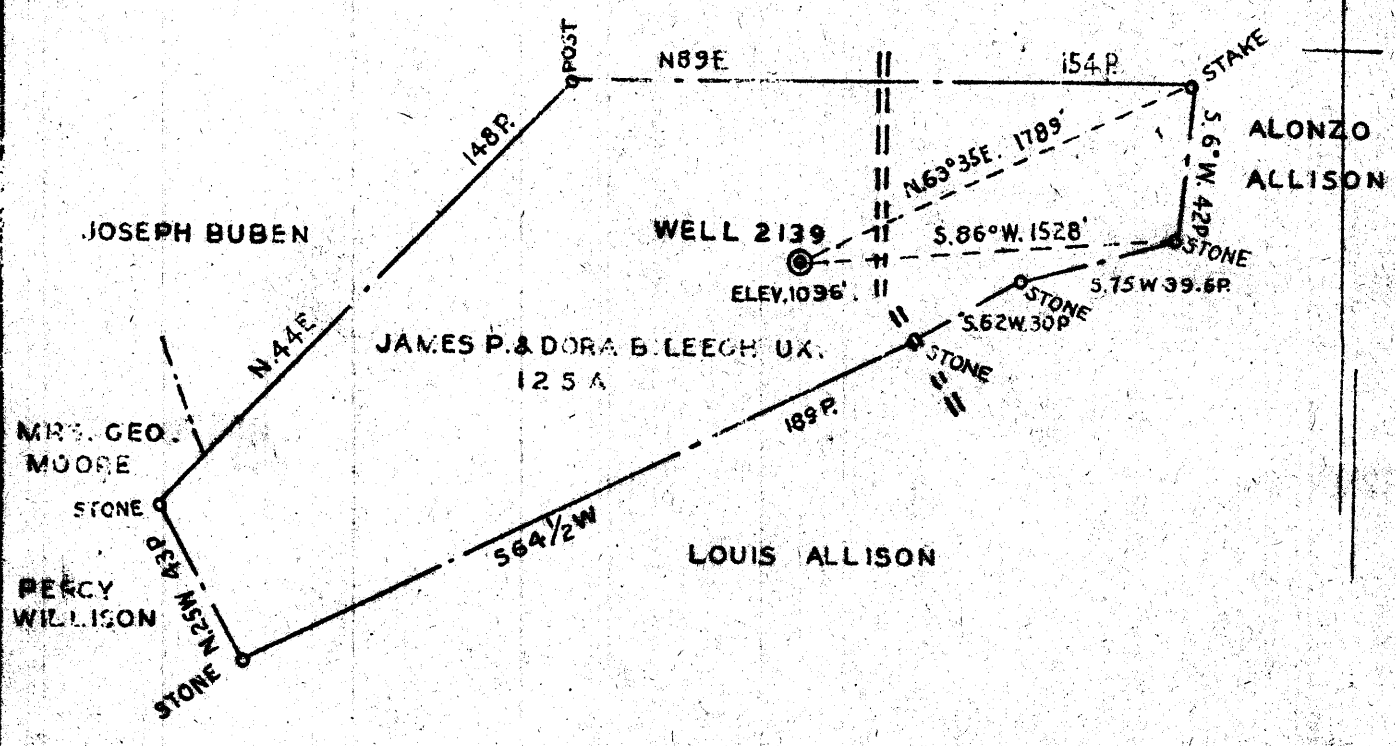
District Grant

WELL LOCATION PLAT

County 029 Permit 30015



HERBERT C. GRADSTAFF



W - 4.3
S - 1.11

COAL OWNED BY MARY E. ALLISON & SARAH A. HALL

- New Location...
- Drill Deeper.....
- Abandonment.....

Company **THE MANUFACTURERS LIGHT & HEAT CO.**
 Address **800 UNION TRUST BLD'G. PITTSBURGH PA.**
 Farm **JAMES P. LEECH AND DORA B. LEECH UX.**
 Tract Acres **125** Lease No. **2017**
 Well (Farm) No. **2** Serial No. **2139**
 Elevation (Spirit Level) **1096'**
 Quadrangle **WELLSVILLE SE**
 County **HARCOCK** District **GRANT**
 Engineer *J.B. Merwin*
 Engineer's Registration No. _____
 File No. _____ Drawing No. **Y-R-532**
 Date **NOVEMBER 1939** Scale **1" = 800'**

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 File No. **HAN-15A**

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

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WELL RECORD

Permit No. ~~500-1097~~

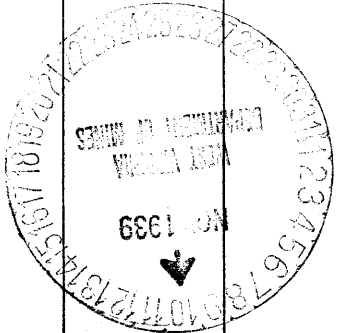
Oil or Gas Well Gas
(Kind)

Company The Mfrs. Light & Heat Co.
Address 800 Union Trust Bldg., Pittsburgh, Pa.
Farm James P. Leech Acres 125
Location (waters) _____
Well No. 2 - 2139 Elev. 1096'
District Grant County Hancock
The surface of tract is owned in fee by Martha M Leech
116 Lincoln Ave., Address McDonald, Pa.
Mineral rights are owned by The Mfrs. L & H Co.,
800 Union Trust Bldg., Address Pittsburgh, Pa.
Drilling commenced June 5, 1917
Drilling completed June 23, 1917
Date shot _____ Depth of shot _____
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ 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			Size of
8 1/4	207	207	
6 5/8	678	678	Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____
COAL WAS ENCOUNTERED AT 280 FEET 60 INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil Gas or Water	Depth Found	Remarks
Slate & Red Rock			0	60			
Sand			60	75	Hole full of water		
Sand			125	175			
Coal			280	285			
Sand			400	440			
?			460	500			
Big Injun Sand			660	680	Water & Gas	665	
Slate & Shells			680	967			
Berea Grit Sand			967	984			
Total depth				984	Gas at 975		



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks

Date November 9th, 1939

APPROVED THE MANUFACTURERS LIGHT & HEAT CO. Owner

By Harry H. Fowler
Land Dept. (Title) Office Manager