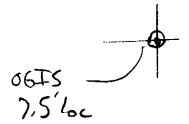


LATITUDE

39° 47' 30"

80° 32' 30"

LONGITUDE



7.5 OGIS topo location

7.5' loc	<u>1.89 S</u>	15' loc	<u>477 S</u>
	<u>0.21 W</u>	(calc.)	<u>24 W</u>

Company Manuf. Light & Heat Co.

Farm Marshall County Bank

Quad Cameron 7.5' Cameron SE

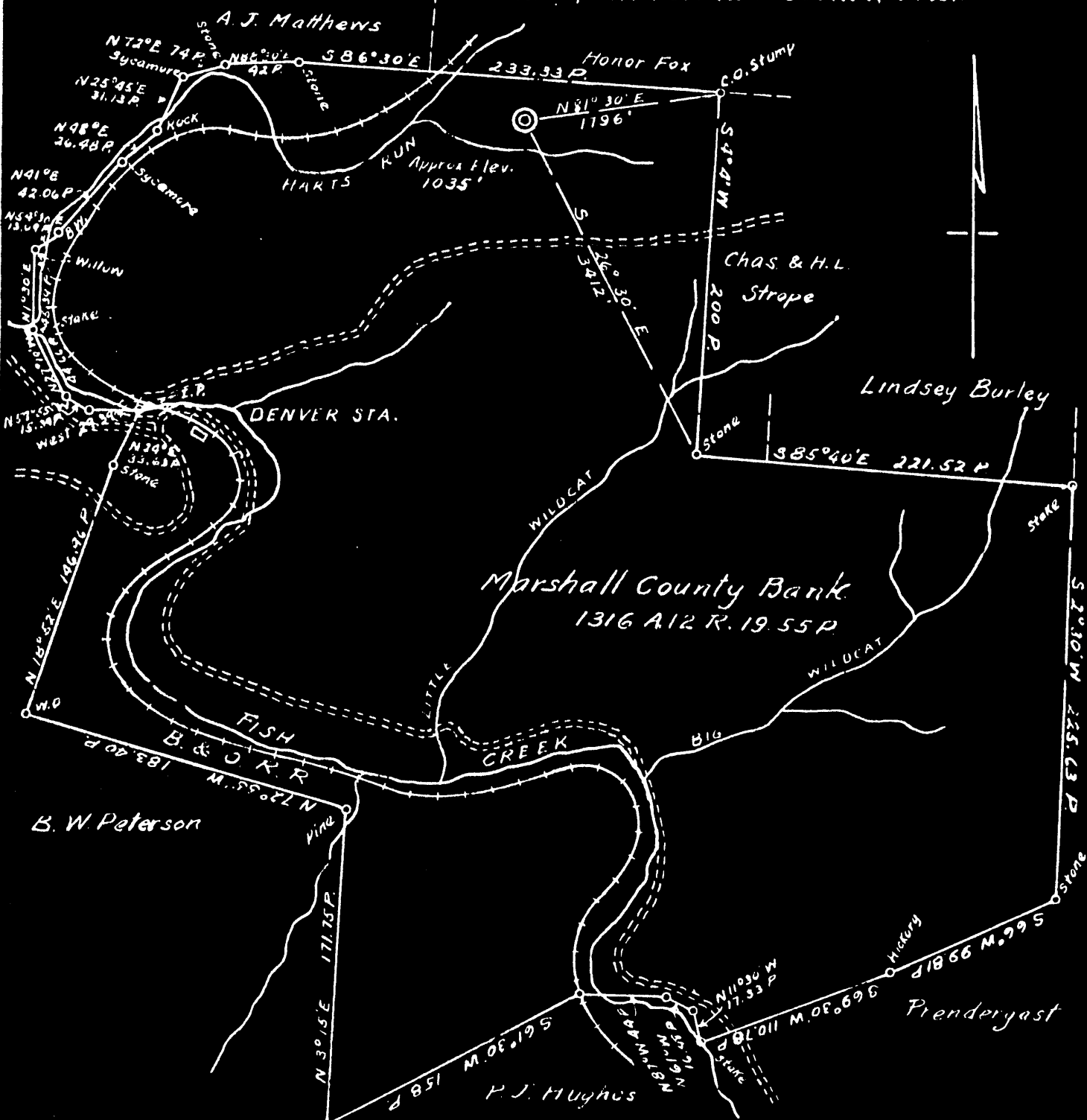
County Marshall

District Liberty

WELL LOCATION MAP

File No. 051 - 28

PLAT OF THE PROPOSED LOCATION OF WELL NO. 3461 OF  
 THE MANUFACTURERS LIGHT & HEAT CO. OF PITTSBURGH, PA  
 ON THE MARSHALL CO BANK FARM CONSISTING OF 1316 ACRES  
 LOCATED IN LIBERTY DISTRICT, MARSHALL COUNTY, W. VA.



ENGINEERS CERTIFICATE

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS MAP IS CORRECT AND SHOWS ALL THE INFORMATION, TO THE BEST OF MY KNOWLEDGE AND BELIEF REQUIRED BY THE OIL AND GAS SECTION OF THE MINING LAWS OF WEST VIRGINIA

*J. A. London*  
 ENGINEER

ACKNOWLEDGED BEFORE ME A NOTARY PUBLIC OF AND FOR ALLEGHENY COUNTY, STATE OF PENNSYLVANIA THIS 7 DAY OF Oct 1930

*Mary H. Fowh*

Marshall - 28

WEST VIRGINIA DEPARTMENT OF MINES

OIL AND GAS DIVISION

PRELIMINARY DATA SHEET NO. 1

File No. Mars-28

Well No. 15 - 3461

The Manufacturers Light & Heat Company, of 800 Union Trust Building

Pittsburgh, Pa., on the Marshall County Bank Farm

containing 1200 acres. Location

Liberty District, in Marshall County, West Virginia

The surface of the above tract is owned in fee by Marshall County Bank

of Moundsville, W. Va., address, and the mineral rights are owned by

The Manufacturers Light & Heat Company of Pittsburgh, Pa.

The oil and gas privileges are held under lease by the above named company, and this well is drilled under permit

No. Mars-28 issued by the West Virginia Department of Mines, Oil and Gas Division

October 21st, 1930

Elevation of surface at top of well, 1035 feet Spirit Barometric.

The number of feet of the different sized casings used in the well.

feet size. Wood conductor.

294 feet 10" size, csg. 1433 feet 8 1/4" sized csg.

2131 feet 6 5/8" size, csg. feet sized csg.

feet size, csg. feet sized csg.

packer of size, set at

packer of size, set at

, in casing perforated at feet to feet.

, in casing perforated at feet to feet.

Coal was encountered at 535 feet; thickness 36 inches, and at 669

feet; thickness 36 inches; and at 868 feet; thickness 60 inches. and at 975 - 72 inches.

Liners were used as follows: (Give details)

April 11th, 1936

Date.

Approved THE MANUFACTURERS LIGHT & HEAT CO., Owner.

By [Signature] (TITLE) Land Department.

J.

Mus-28

THE MANUFACTURERS LIGHT & HEAT Company

COMPLETION DATA SHEET

00 Union Trust Bldg., Pittsburgh, Pa. Address

No. 2

Well No. 15 - 3461

FORMATION RECORD

Marshall County Bank farm

Name	Color	Character	Oil, Gas or Water	Top	Bottom	Thickness	Total Depth	Remarks
Clay, Lime & Slate				0	450	450		
Sand				450	480	30		1 bailers water per hour @ 180 ft
Subsive Coal				535	538	3		
Waynesburg Coal				669	672	3		
Mapletown Coal				868	873	5		
High. Coal				975	981	6		1 bailer water
Sand				1080	1100	20		
Little Dunkard				1395	1440	45		
Big Dunkard				1488	1538	50		
Gas Sand				1700	1730	30		
First Salt Sand				1760	1800	40		
Second Salt Sand				1951	2026	75		
Laxon Sand				2036	2071	35		
Little Lime				2095	2100	5		
Pencil Cave				2100	2113	13		
Big Lime				2113	2153	40		
Big Injun Sand				2153	2403	250		Show gas 2163-2262 (Blew out)
60-Foot Sand				2794	2814	20		
60-Foot Sand				2962	2977	15		Gas at 2965
Gordon Stray				3030	3045	15		
Gordon Sand				3047	3054	7		
Fourth Sand				3057	3094	37		Gas at 3062
Fifth Sand				3093	3101	8		
Total depth					3116			

shot Well was not shot at.....feet; well was shot at.....feet.

Salt Fresh water at.....feet; salt fresh water at.....feet.

producing Well was hole. -dry--

THE MANUFACTURERS LIGHT & HEAT COMPANY,

April 11th, 1936. Date

Approved [Signature] Land Dept. Owner

NOTE: All bottom formations must be noted as indicated above and all key-rocks and oil and gas sands must be recorded under their proper geological names in the district as well as any local names commonly used in the district for such strata.