

LATITUDE 39°50'

80°30'

LONGITUDE



OSI  
15.00

7'5 OGIS topo location

7.5' loc	<u>0.89 S</u>	15' loc	<u>0.89 S</u>
	<u>1.27 W</u>	(calc.)	<u>1.27 W</u>

Company Manuf. Light + Heat Co.

Farm George McLuskey

Quad Cameron 7.5' Cameron SE

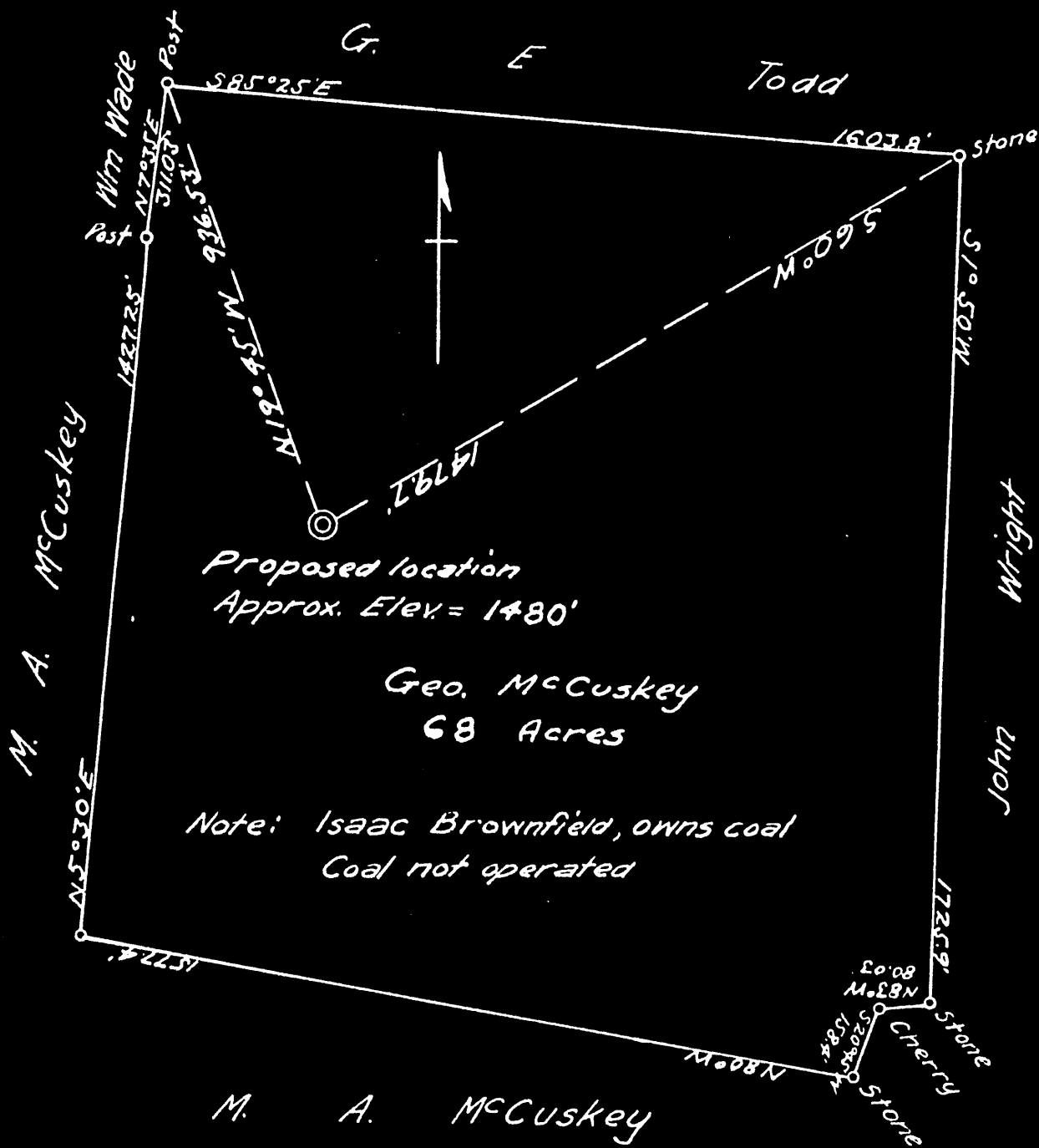
County Marshall

District Liberty

WELL LOCATION MAP

File No. OSI-15

PLAT OF THE PROPOSED LOCATION OF WELL NO. 3406 OF THE MANUFACTURERS LIGHT & HEAT CO. OF PITTSBURGH, PA. ON THE GEORGE McCUSKEY FARM CONSISTING OF 68 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.

*Donald R. Bell*  
 ENGINEER

ACKNOWLEDGED BEFORE ME A NOTARY PUBLIC OF AND FOR

ALLEGHENY COUNTY, STATE OF PENNSYLVANIA THIS ... DAY OF *Nov* 1929

*Harry H. Fowler*

WEST VIRGINIA DEPARTMENT OF MINES

MAN 15

Oil and Gas Section

PRELIMINARY DATA SHEET NO. 1

File No. \_\_\_\_\_ Well No. 3406  
The Mfrs Light & Heat Company, of 800 Union Trust Bldg  
Pittsburgh, Penna. on the George McCuskey Farm  
containing 68 acres. Location \_\_\_\_\_

Liberty District, in Marshall County, West Virginia.

The surface of the above tract is owned in fee by Geo. McCuskey  
of Cameron, W. Va. R.D. #2 address, and the mineral rights are owned by  
The Mfrs L. & H. Co. of Pittsburgh, Penna.

The oil and gas privileges are held under lease by the above named company, and this well is drilled under  
permit No. \_\_\_\_\_ issued by the West Virginia Department of Mines, Oil and Gas Section,  
November 22nd 1929

Elevation of surface at top of well, 1480' Spirit Barometric.

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

\_\_\_\_\_ 16 feet \_\_\_\_\_ 1 1/2" size. Wood conductor.  
300 feet \_\_\_\_\_ 10" size, csg. 10" casing all pulled \_\_\_\_\_ sized csg.

1402 7/8 feet \_\_\_\_\_ 8 1/4" size, csg. \_\_\_\_\_ feet \_\_\_\_\_ sized csg.

2253 6/8 feet \_\_\_\_\_ 6 5/8" size, csg. \_\_\_\_\_ 3437 8/8 feet \_\_\_\_\_ 4" tubing sized csg.

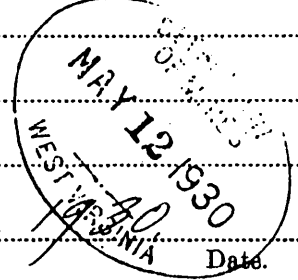
Anchor packer of 4" x 6 5/8" size, set at 2848 fr.  
\_\_\_\_\_ packer of \_\_\_\_\_ size, set at \_\_\_\_\_

4 in tubing perforated at 3396' 8" feet to 3396' 4" feet

4 in tubing perforated at 3148' 7" feet to 3148' 3" feet

Coal was encountered at 660 feet; thickness 24 inches, and at 805  
feet; thickness 48 inches; and at 1000 feet; thickness 60 inches, and at

1095 fr; thickness 96 in.  
Liners were used as follows: (Give details) No liners used.



May 2,

Approved \_\_\_\_\_ THE MANUFACTURERS LIGHT & HEAT CO. Owner.

By Harry H. Fowler  
LAND AGENT

Mays-15

COMPLETION DATA SHEET NO. 2

FORMATION RECORD

Well 3406 - Geo. McCuskey

NAME	COLOR	CHARACTER	OIL, GAS OR WATER	TOP	BOTTOM	THICKNESS	TOTAL DEPTH	REMARKS
Sand	White	Hard		340	385	45		
Coal	Black	Soft		660	662	2		
Bluff Sand	White	Hard		765	805	40		
Coal	Black	Soft		805	809	4		
Slate	"	"		809	850	41		
Lime	White	Hard		850	1000	150		
Maplewa Coal	Black	Soft		1000	1005	5		
Slate	"	"		1005	1010	5		
Slate	White	"		1080	1095	15		
Pgh. Coal	Black	"	Water	1095	1103	8		
Lime	White	Hard		1103	1172	69		
Murphy Sand	"	"		1172	1222	50		
Little Dunkard	"	"		1500	1548	48		
Big "	"	"		1595	1630	35		
Gas Sand	"	"		1775	1800	25		
Maxon Sand	"	"	Gas at 2189	2160	2195	35		
Big Lime	"	"		2215	2260	45		
Big Injun	"	"		2260	2500	240		
Thirty Foot Shell	-Dark	"		2825	2850	25		
Fifty Foot Sand	White	"	Gas at 3052	3045	3095	50		
Gordon Stray	)							
Gordon Sand	) White	Hard		3102	3150	48	3419	

Well was not shot at 3048 to 3054 1/2 feet; well was shot at shot feet.

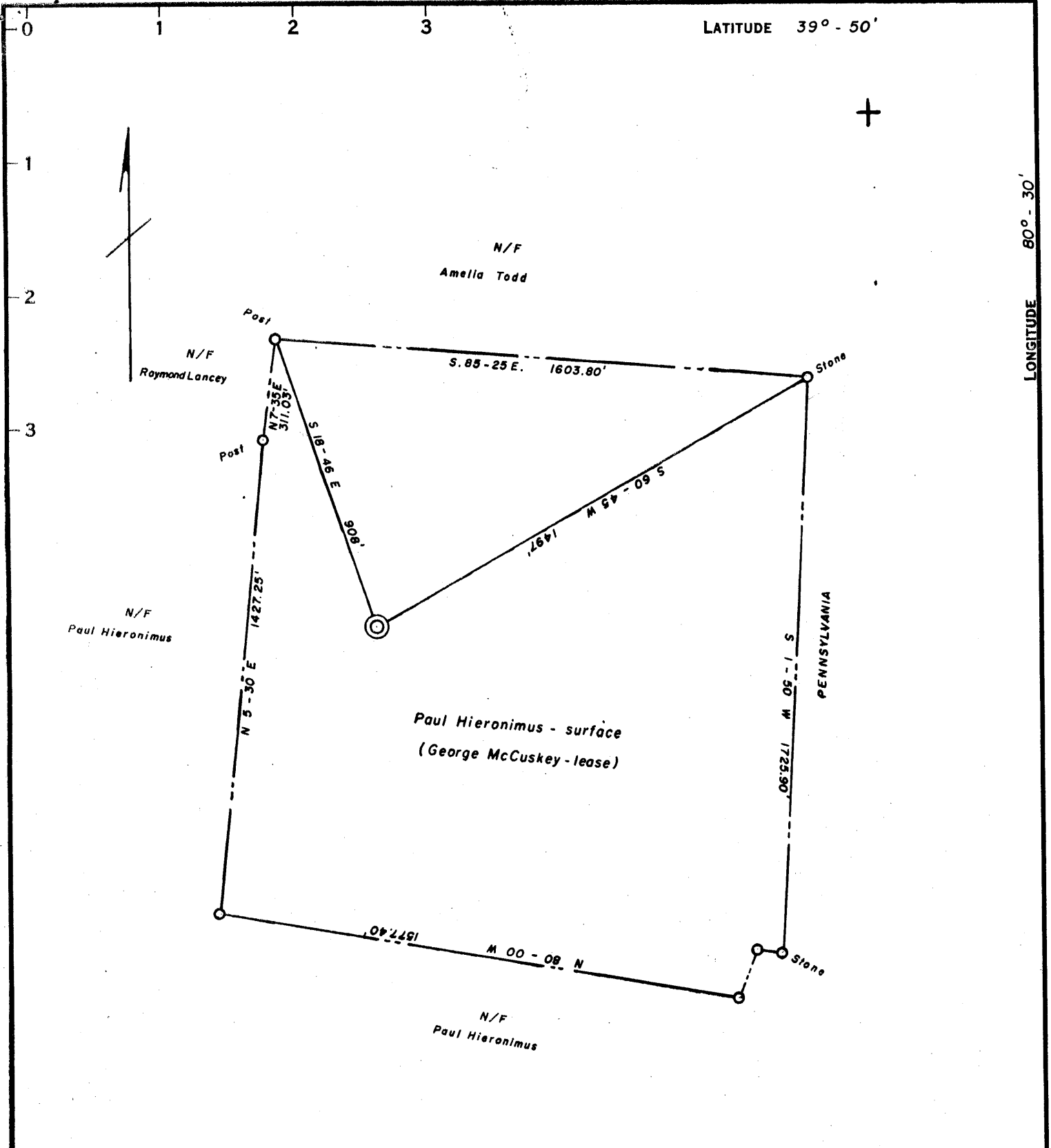
~~Salt~~ Fresh water at 1100 feet; salt fresh water at                      feet.

Well was Gas producing hole.  
dry

THE MANUFACTURERS LIGHT & HEAT CO.

May 2, 1930 Date Approved Harry H. Fowler Owner **LAND AGENT**

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 for which strata that may be common to the district.



0.825  
1.25W

COAL OWNED BY M. A. Hanna Coal 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 1500

Signed Emmett M. Rodgers

COMPANY	<u>Robert L. Wharton</u>		
ADDRESS	<u>R. D. 3, Burgettstown, Pa.</u>		
FARM	<u>Paul Hieronimus (Geo. McCuskey - lease)</u>		
MAP	ACRES	LEASE NO.	
	<u>68.49</u>		
WELL (FARM) NO.	SERIAL NO.	<u>M.L. &amp; H. Co. 3406</u>	
ELEVATION (SPIRIT LEVEL)	<u>1488</u>		
QUADRANGLE	<u>Cameron</u>		
COUNTY	DISTRICT	<u>Liberty</u>	
POINT OF PROVEN ELEVATION	<u>U.S.G.S. Power Pole</u>		
FILE NO.	DRAWING NO.	<u>W - 4 - 65</u>	
DATE <u>April 3, 1965</u>	SCALE	<u>1" = 400'</u>	

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES  
OIL AND GAS DIVISION  
CHARLESTON

WELL LOCATION MAP

FILE NO. MARS-485-A

+ 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.