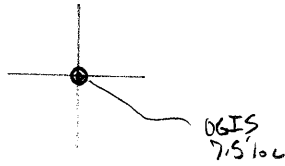


LATITUDE

39° 50'

80° 30'

LONGITUDE



7.5 OGIS topo location

7.5' loc	<u>1.87 S</u>	15' loc	<u>1.87 S</u>
	<u>1.81 W</u>	(calc.)	<u>1.81 W</u>

Company Manuf. Light + Heat

Farm Ancust Wendt

Quad Cameron Cameron SE

County Marshall

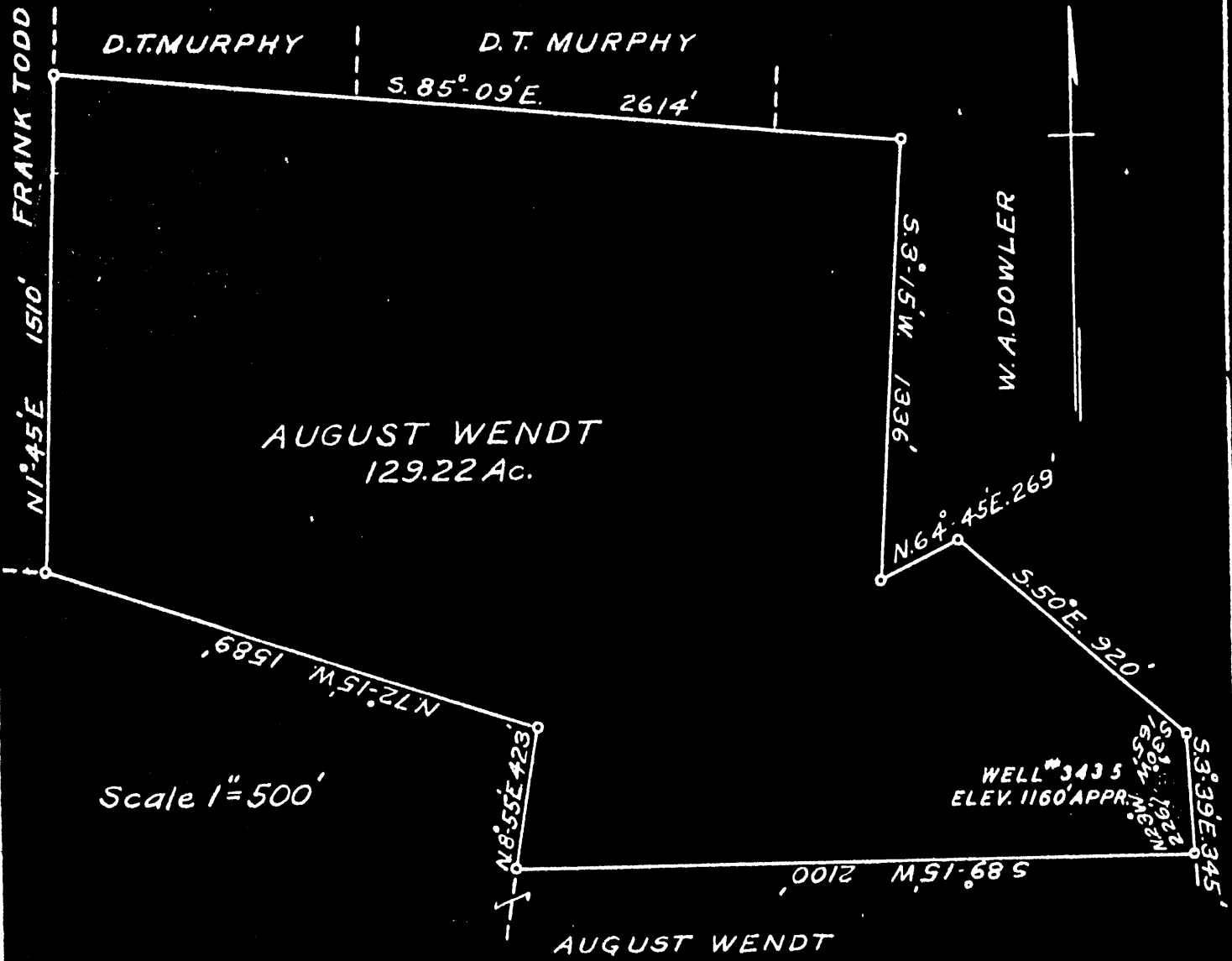
District Liberty

WELL LOCATION MAP

File No. OSI-21

MARSHALL 21
3

PLAT OF THE PROPOSED LOCATION OF WELL NO. 3435 OF THE MANUFACTURERS LIGHT & HEAT CO. OF PITTSBURGH, PA. ON THE AUGUST WENDT FARM CONSISTING OF 129.22 ACRES LOCATED IN LIBERTY DISTRICT, MASHALL COUNTY, W. VA.



Note:-
This is part of 500 acre lease No. 2878

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.

D.V. Brush
ENGINEER

ACKNOWLEDGED BEFORE ME A NOTARY PUBLIC OF AND FOR ALLEGHENY COUNTY, STATE OF PENNSYLVANIA THIS 18 DAY OF March 1930
Harry H. Fowler

mas-21

WEST VIRGINIA DEPARTMENT OF MINES

Oil and Gas Section

PRELIMINARY DATA SHEET NO. 1

File No. Well No. 3435

The Manufacturers Light & Heat Company, of 800 Union Trust Building,
Pittsburgh, Pa., on the August Wendt Farm
containing 500 acres. Location

Liberty District, in Marshall County, West Virginia.

The surface of the above tract is owned in fee by August Wendt
of Cameron, W. Va., address, and the mineral rights are owned by

The Manufacturers Light & Heat Company of Pittsburgh, Penn'a.

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,

March 31st, 1930.

Elevation of surface at top of well, 1160 feet. Spirit Barometric.

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

16 feet 13 size. Wood conductor.

208 9/12 feet 10" size, csg. all pulled feet. sized csg.

1333 1/2 feet 8 1/4" size, csg. 3075 1/2 feet 4" tubing sized csg.

1961 8/12 feet 6 5/8" size, csg. feet. sized csg.

Anchor packer of 4" x 6 5/8" size, set at 2795 10/12 ft.

packer of size, set at

4 in tubing casing perforated at 3040 10/12 feet to 3040 6/12 feet.

4 in tubing casing perforated at 2843 1/12 feet to 2842 9/12 feet.

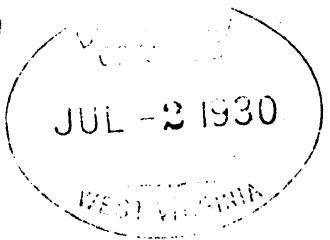
Coal was encountered at 340 feet; thickness 36 inches, and at 520

feet; thickness 48 inches; and at 710 feet; thickness 36 inches.

and at 828 ft., thickness 60 inches., and at 1525 feet, thickness 48 inches.
Liners were used as follows: (Give details)

No liners used.

June 20th, 1930. Date.



Approved THE MANUFACTURERS LIGHT & HEAT CO., Owner.

By Harry H. Fowler (Title) LAND AGENT

MW-2-21

COMPLETION DATA SHEET NO. 2

FORMATION RECORD

Well # 3435 on The August Wendt farm, Liberty District, Marshall County, W. Va.

NAME	COLOR	CHARACTER	OIL, GAS OR WATER	TOP	BOTTOM	THICKNESS	TOTAL DEPTH	RE-MARKS
Soil	Dark	Soft		00	14	14'		
Shale	"	"		14	60	46		
Sand	Gray	Medium	water at 65'	60	100	40		
"	"	"	Hole full of	190	205	15		
"	White	"	water at 200'	280	340	60		
Native Coal	Black	Soft	Smell of gas	340	343	3		
Sand	White	Hard		490	520	30		
Waynesburg Coal	Black	Medium		520	524	4		
Mapletown Coal	"	Soft		710	713	3		
Sand	White	Medium		775	795	20		
Pittsburgh Coal	Black	"	2-Bailers Water	828	833	5		
Sand	White	Hard	an hour	910	960	50		
Murphy Sand	"	"		990	1010	20		
Red Rock	Red	Soft		1095	1130	35		
Lime	White	Hard		1130	1160	30		
Red Rock	Red	Soft		1160	1200	40		
Lime	White	Hard		1200	1215	15		
Little Dunkard	White	Hard		1240	1265	25		
ig "	"	"		1332	1367	25		
Sand	"	"		1370	1390	20		
Sand	"	"		1480	1525	45		
resport Coal	Black	Soft		1525	1529	4		
Shale	Gray	Soft		1529	1590	61		
Lime	White	Medium		1590	1650	60		
st.Salt Sand	"	Hard		1650	1675	25		
Sand	"	"		1685	1710	25		
nd.Salt Sand	"	Medium		1775	1884	109		
Little Lime	Dark	Hard		1905	1916	11		
Big Lime	"	Hard		1930	1980	50		
ig Injun Sand	White	"		1980	2255	275		
ritty Lime	Gray	"		2380	2403	23		
Sand	White	"		2600	2625	25		
Slate	Gray	Soft		2740	2772	32		
fifty-Foot Sand	White	Hard	Smell of Gas at 2822'	2772	2813	41		
Gordon Sand	"	"	Gas at 2845	2840	2888	48		
Slate	"	Soft		2888	2909	21		
ourth Sand	"	Hard	Gas at 2913	2909	2920	11		
late	Dark	Soft		2920	2985	65		
fifth Sand	White	Hard		2985	2998	13		
late	Black	Soft		2998	3063	65		
Total Depth							3063'	

Well was ~~xxxx~~ shot at 2910 1/2ft. to 2917 feet; well was shot at 2842 ft. to 2848 feet.

Fresh water at and 65ft 200 feet; fresh water at 850 feet. in Coal.

Well was ~~xxxx~~ producing Gas hole.

THE MANUFACTURERS LIGHT & HEAT CO.

June 20, 1920.
Date

Approved

Harry H Fowler
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.

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

278

WELL RECORD

Permit No. 179-A Dated March 31, 1930

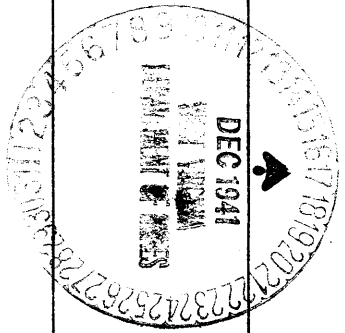
Oil or Gas Well Gas
(KIND)

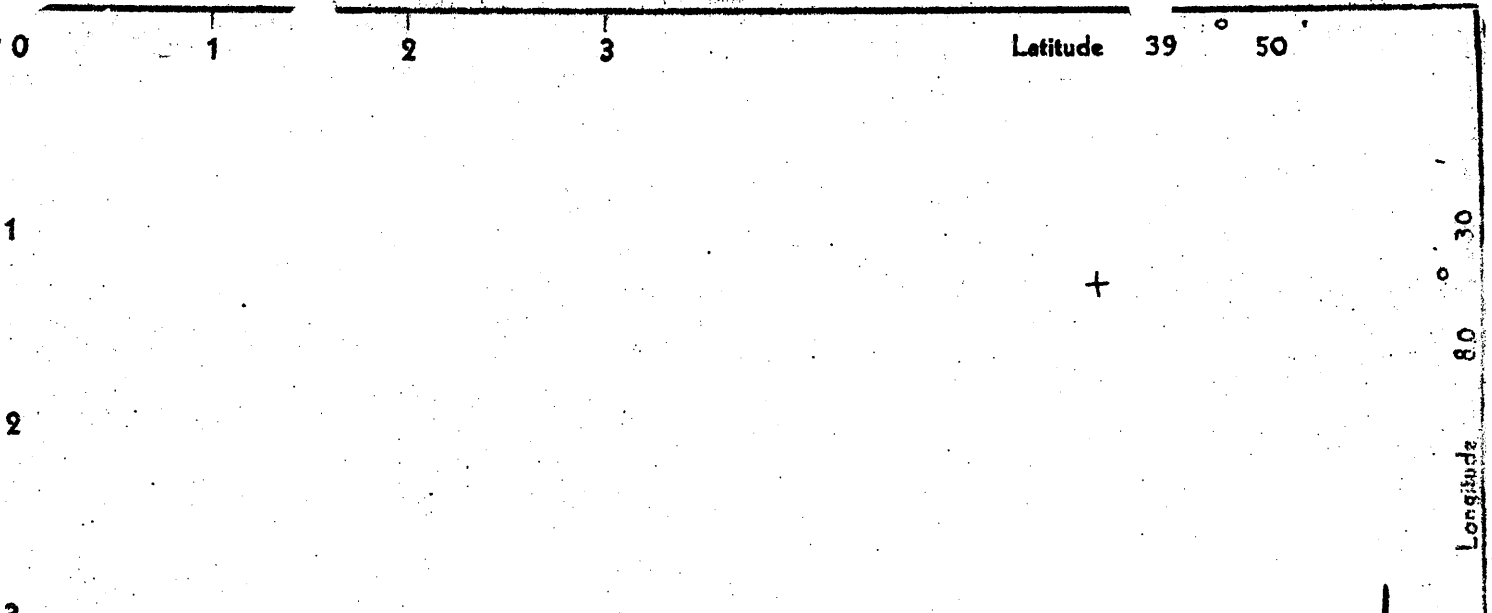
Company The Manufacturers Light & Heat Co.
 Address 800 Union Trust Bldg., Pittsburgh, Pa.
 Farm August Wendt Acres 500
 Location (waters) _____
 Well No. 5 - 3435 Elev. 1205 ft.
 District Liberty County Marshall
 The surface of tract is owned in fee by George Wendt
Star Route Address Cameron, W. Va.
 Mineral rights are owned by The M. L. & H. Co.
800 Union Trust Bldg., Address Pittsburgh, Pa.
 Drilling commenced 4/14/30
 Drilling completed 6/10/30
 Date Shot _____ From _____ To _____
 With 6 _____
 Open Flow 10ths Water in _____ Inch
 _____ /10ths Merc. in _____ Inch
 Volume 185 _____ 15 _____ Cu. Ft.
 Rock Pressure _____ lbs. _____ hrs.
 Oil 65 _____ 200 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	908' 9"		Size of
8 1/4	1332'	1332'	4 x 6 5/8"
6 5/8	1955'	1955'	Depth set
5 3/16			2795' 10"
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

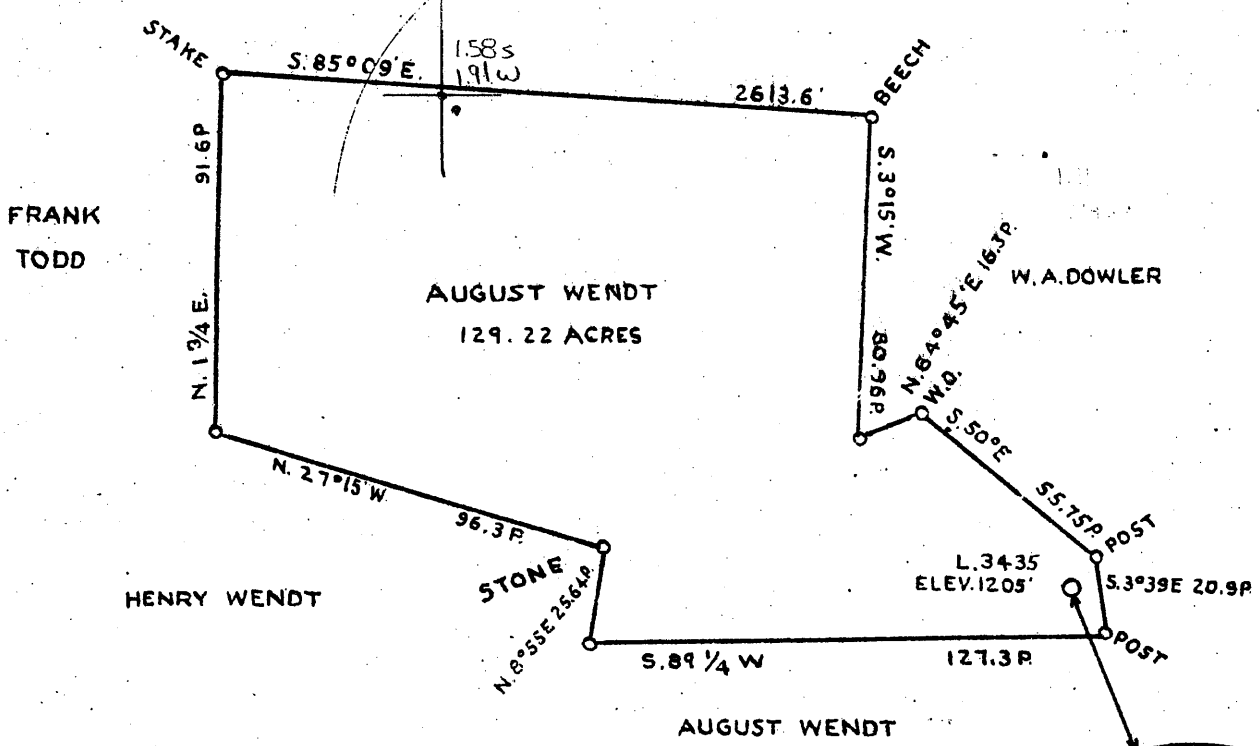
CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
 COAL WAS ENCOUNTERED AT 310 FEET 36 INCHES
928 FEET 48 INCHES 710 FEET 36 INCHES
828 FEET 60 INCHES 1525 FEET 48 INCHES
 _____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Clay, Slate			0	60			
Sand			60	100			
Sand			190	205			
Native Coal			310	343			
Waynesburg Coal			520	524			
Mapletown Coal			710	713			
Pittsburgh Coal			828	833			
Murphy Sand			990	1010			
Little Dunkard			1240	1265			
Big Dunkard			1332	1367			
Freeport Coal			1525	1529			
1st Salt Sand			1650	1675			
2nd Salt Sand			1775	1884			
Little Lime			1905	1916			
Big Lime			1930	1980			
Big Injun			1980	2255			
50-Foot			2772	2813			
Gordon Sand			2840	2888			
4th Sand			2909	2920			
5th Sand			2985	2998			
Slate			2998	3063			
Total depth				3063			



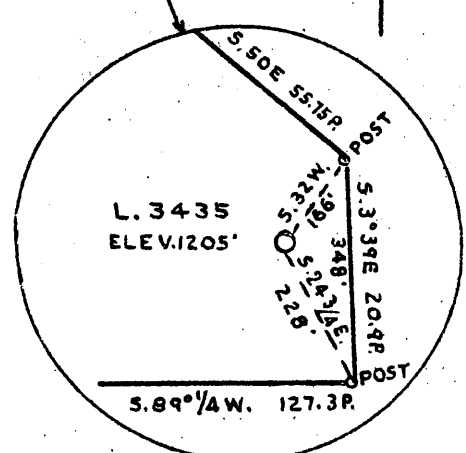


J. E. MURPHY



COAL OWNED BY. GEORGE RICE JR. WAYNESBURG PA.

1.425
1.94W
1.77W
JAN - 5 1942



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

Company THE MANUFACTURERS LIGHT & HEAT CO.
 Address 800 UNION TRUST BLDG. PITTSBURGH PA.
 Farm AUGUST WENDT
 Tract 1 Acres 129.22 Lease No. 2878 - 500A.
 Well (Farm) No. #5 Serial No. 3435
 Elevation (Spirit Level) 1205'
 Quadrangle CAMERON S.E. 1/4
 County MARSHALL District LIBERTY
 Engineer *J. E. Murphy*
 Engineer's Registration No. _____
 File No. O-25-25 Drawing No. Y-10-463
 Date DECEMBER 16-1941 Scale 1" = 800'

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

WELL LOCATION MAP
 File No. *MARS-179-A*
Nov 28 1941

+ 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

AUGUST WENDT No. 5 (3435) - MARY, L. & H. CO. - MARS-179