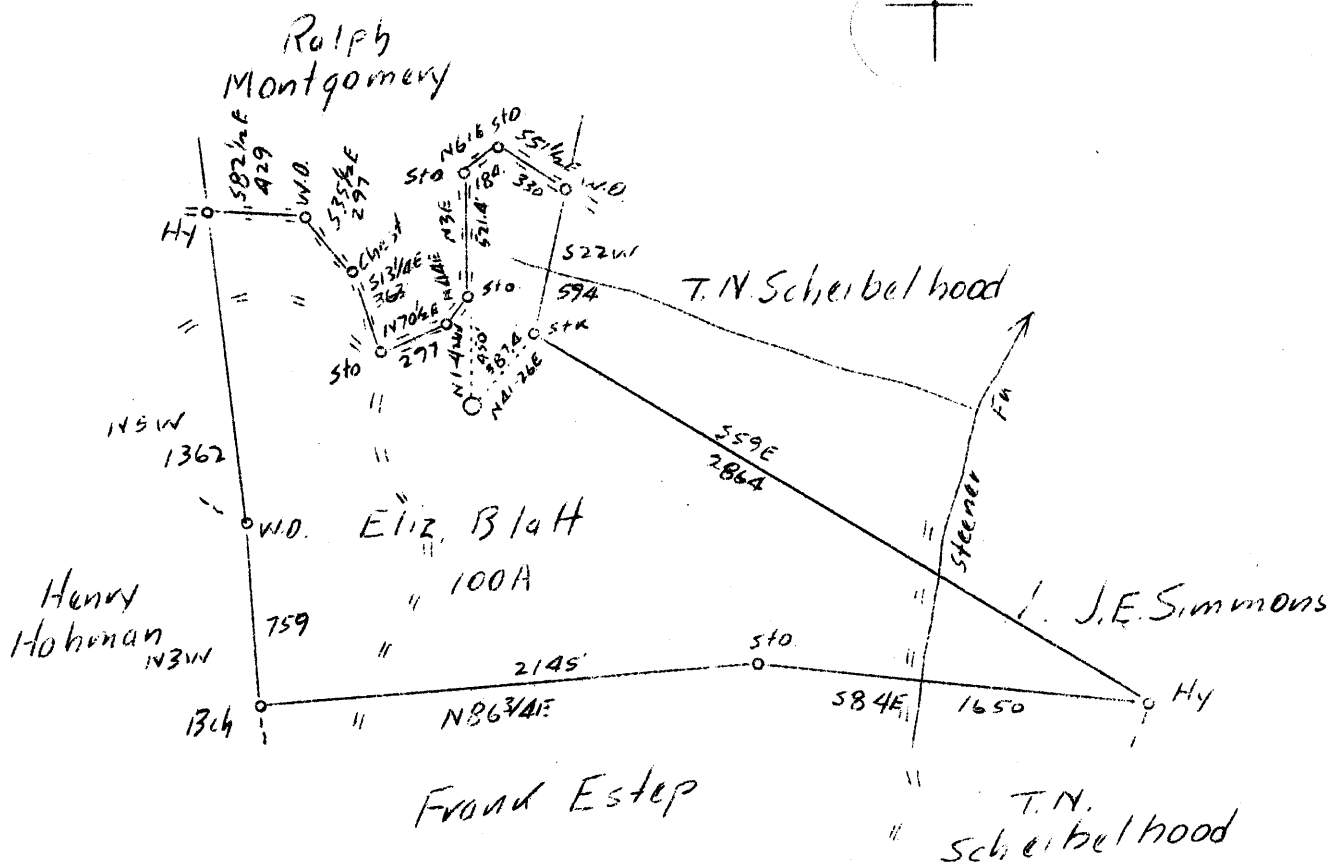


LATITUDE 80° 45' 40"

Probably 80° 45' lat.
(from other maps)

LONGITUDE 39° 40'



3.59 S
2.21 W

Location doubtful

Company Manufacturers Light & Heat Co.
 Address 800 Union Trust Bldg., Pitts., Pa.
 Farm Elizabeth Blatt
 Tract 1 Acres 100 Lease No. 17157
 Well (Farm) No. 1 Serial No. L-3562
 Elevation (Spirit Level) 1176.4'
 Quadrangle Littletton N.E.
 County Wetzel District Proctor
 Engineer John A. Loudon
 Engineer's Registration No. _____
 Mile No. Y-7-885 Drawing No. _____
 Date Dec. 20, 1937 Scale 1"=800'

STATE OF WEST VIRGINIA
 Department of Mines
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 File No. WET-177

+ 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.

Latitude

39 42 30

80 42 30

6

0.725
0.05W

OGIS
7.5' loc
Kla 7/19/94

Longitude

Topo Location

7.5' Loc. _____ 15' Loc. 3.60S
_____ (calc.) 2.27W

Company _____

Farm _____

15' Quad Littleton NW
(sec.) _____

7.5' Quad Wileyville

District Proctor

WELL LOCATION PLAT

County 103 Permit 177

WEST VIRGINIA DEPARTMENT OF MINES

OIL AND GAS DIVISION

WELL RECORD

Permit No. Wet-177

Gas Well

Littleton Quad.

CASING & TUBING

Company	The Manf. Light & Heat	10	565'11"	565'11"
Address	800 Union Trust Bldg., Pittsburgh, Pa.	8 1/4	1502'3"	1502'3"
Farm	Elizabeth Blatt Acres 100	6 5/8	2129'11"	2129'11"
Location	Not given	4		3028'6"
Well No.	3562 Elev. 1176.4			
District	Proctor County Wetzel			PACKER
Surface Address	Marguerite Klug, c/o Clem Klug R.D.#1, Proctor, W.Va.	Kind		
Mineral Address	Mfrs. Light and Heat Co. 800 Union Trust Bldg., Pittsburgh, Pa.	Size	4 x 6 5/8"	
Drilling	Commenced 2/15/38 Completed 4/20/38	Depth	2853	
Open Flow	17/10ths M. in 6 5/8"			
Rock Press.	940# 48 hrs.			

Formation Color #3 TOP Base Result					Formation Color #3 TOP Base Result					
Clay	Yellow	S	0	16		Slate		1010	1020	
Sand		S	16	25		Lime		1020	1025	
Slate		S	25	115		Slate		1025	1043	
Lime			115	140	Water	Red Rock	S	1043	1065	
Slate			140	150	125'	Sand		1065	1085	
Red Rock		S	150	185		Slate		1085	1110	Gas
Slate		S	185	190		Sand		1110	1125	1175 ✓
Red Rock		S	190	230		Slate		1125	1128	
Lime			230	240		Sand		1128	1170	
Red Rock		S	240	280		Slate		1175	1180	Gas
Slate			280	304		Red Rock	S	1180	1195	1130 ✓
Lime			304	330		Slate		1195	1200	
Slate			330	340		Red Rock	S	1200	1230	
Lime			340	363		Slate		1230	1240	
Red Rock		S	363	370		Red Rock	S	1240	1305	
Slate			370	380		Lime		1305	1330	
Lime			380	400		L. Dunkard		1330	1395	
Slate			400	430		Slate		1390	1430	
Red Rock		S	430	440		Lime		1430	1445	
Lime			440	460		Slate		1445	1455	
Slate			460	470		Lime		1455	1470	Water
Lime			470	480		Red Rock	S	1470	1478	1755
Red Rock		S	480	490		B. Dunkard		1478	1530	
Slate			490	510		Slate		1530	1565	
Red Rock		S	510	528		Gas Sand		1565	1585	
Lime			528	533		Slate		1585	1597	
Slate		S	533	546		Sand		1597	1655	
Lime			546	555		Shale		1655	1668	
Shale			555	575		Lime		1668	1690	
Slate			575	665		Slate		1690	1712	Water
Lime			665	708		Sand 1 Salt		1712	1770	1765
Slate			708	718		Slate		1770	1775	5 B. pr. hr.
Red Rock			718	733		Lime		1775	1790	
Slate			733	745		Slate		1790	1806	
Lime			745	755		Salt Sand Salt		1806	1825	
Slate			755	770		Slate		1825	1835	
Lime			770	810		Lime		1835	1845	
Slate			810	815		Slate		1845	1855	
Lime			815	890		Lime		1855	1870	
Slate			890	897		Slate		1870	1950	
M. Coal	Black	S	897	900		Lime		1950	1971	
Lime			900	940		Sand Maxton		1971	1998	
Sand			940	952		Slate		1998	2025	
Slate			952	987		Sand		2025	2035	
Hgh. Coal	Black	S	987	990		Slate		2035	2050	
Slate			990	1000		L. Lime		2050	2065	Gas
Lime			1000	1010				2/10 in	1"	2025-2030

1176
897
779

1176
987
789

WEST VIRGINIA DEPARTMENT OF MINES
OIL AND GAS DIVISION

CON'T #

Permit No. Wet-177

W E L L R E C O R D

Littleton Quad.

Gas Well

CASING & TUBING

Company: The Manf. Light & Heat Co.
Address: 600 Union Trust Bldg., Pittsburgh, Pa.
Farm: Elizabeth Blatt Acres 100
Location: Not given
Well No.: 3562 Elev. 1176.4

Formation	Color	Mar	Top	Base	Result	Formation	Color	Mar	Top	Base	Result
P. Cave			2065	2071							
B. Lime			2071	2132							
B. Injun			2132	2420							
Slate			2420	2435							
Lime			2435	2445							
Slate			2445	2480							
Lime			2480	2490							
Slate			2490	2505							
Lime			2505	2515							
Slate			2515	2525							
Lime			2525	2535							
Slate			2535	2550							
Lime			2550	2575							
Slate			2575	2591							
Lime			2591	2638							
Slate-Shells			2638	2735							
Lime			2735	2750							
Slate			2750	2765							
Lime			2765	2780							
Slate			2780	2790							
Lime-Shells			2790	2810							
Slate			2810	2845							
Red Rock		S	2845	2885							
Lime			2885	2900							
Red Rock		S	2900	2920							
Slate			2920	2945							
Lime			2945	2955							
Slate			2955	2988							
Slate			2988	2993							
Break			2993	3006							
Gordon			3006	3016							
TOTAL DEPTH				3016							
					Gas						
					3008-						
					3016						

2071
1176
-895

2132
1176
956

2132
900
1142

3071

2182
900
1282