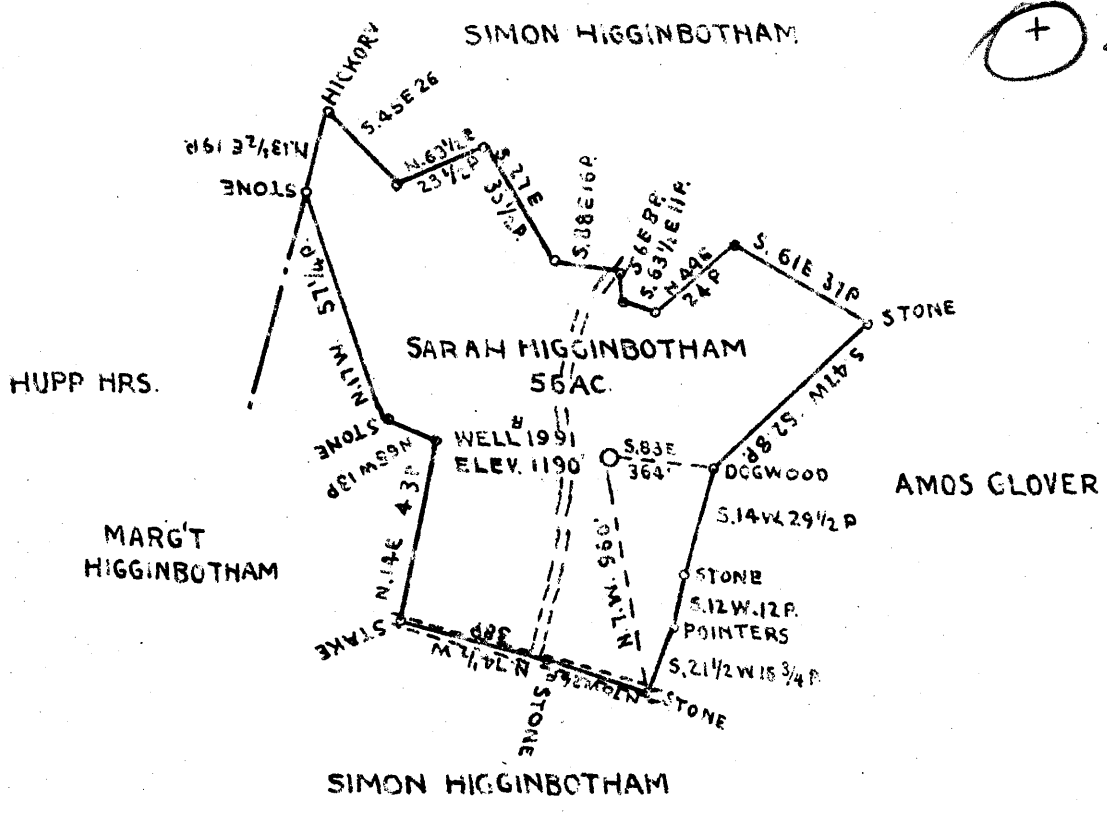


2

3



COAL OWNED BY THE UNION TRUST CO. OF PITTSBURGH PA.

NEW LOCATION...   
 RILL DEEPER...   
 BANDONMENT...

AUG 21 1945

194 + 98 W  
3.07 B. + Q

COMPANY THE MANUFACTURERS LIGHT AND HEAT CO  
 ADDRESS 300 UNION TRUST BLDG. PITTSBURGH PA.  
 FARM SARAH HIGGINBOTHAM  
 TRACT \_\_\_\_\_ ACRES 56 LEASE NO. 4914  
 WELL (FARM) NO. 1 SERIAL NO. 1991  
 ELEVATION (SPIRIT LEVEL) 1190  
 QUADRANGLE MANNINGTON  
 COUNTY WETZEL DISTRICT CHURCH  
 ENGINEER J. L. M...  
 ENGINEER'S REGISTRATION NO. \_\_\_\_\_  
 FILE NO. \_\_\_\_\_ DRAWING NO. 'F-11-150'  
 DATE JULY 16 1945 SCALE 1" = 100'

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

WELL LOCATION MAP

FILE NO. WET-501-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.



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

963

10 JOI-A

WELL RECORD

Permit No. Drilled Jan. 9, 1917

Oil or Gas Well Gas  
(KIND)

Company The Manufacturers Light & Heat Company  
 Address 800 Union Trust Bldg., Pittsburgh, Pa.  
 Farm Sarah Higginbotham Acres 56  
 Location (waters) \_\_\_\_\_  
 Well No. 1 - 1991 Elev. 1190 ft  
 District Church County Wetzel  
 The surface of tract is owned in fee by Sarah Higginbotham  
Mannington Address W. Va.  
 Mineral rights are owned by The Mfrs Light & Heat Co.,  
800 Union Trust Bldg., Address Pittsburgh, Pa.  
 Drilling commenced 1/9/17  
 Drilling completed 1  
 Date Shot 10/15/29 From ? To ?  
 With 20 qts.  
 Open Flow 6/10ths Water in 2 Inch  
 \_\_\_\_\_ /10ths Merc. in \_\_\_\_\_ Inch  
 Volume 103 mcf Cu. Ft.  
 Rock Pressure 190 lbs. 14 hrs.  
 Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
 Fresh water \_\_\_\_\_ feet \_\_\_\_\_ feet  
 Salt water \_\_\_\_\_ feet \_\_\_\_\_ feet

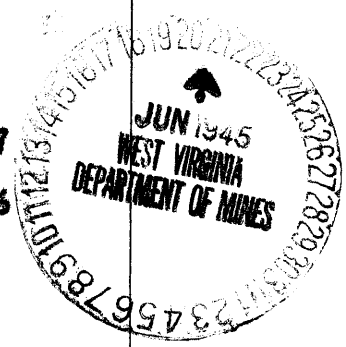
Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
18			
10	<u>254' 9"</u>	<u>254' 9"</u>	Size of <u>6 5/8 x 5"</u>
8 1/4	<u>1320'</u>	<u>1320'</u>	Depth set <u>2069 ft.</u>
6 1/2	<u>2045' 5"</u>	<u>2045' 5"</u>	
5 3/16	<u>2091' 2"</u>	<u>2091' 2"</u>	
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. Ft. \_\_\_\_\_ Date \_\_\_\_\_

COAL WAS ENCOUNTERED AT 375 FEET 36 INCHES  
470 FEET 48 INCHES 530 FEET 88 INCHES  
790 FEET 60 INCHES 890 FEET 84 INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Earth & Stone			0	375	Water at 50'		
Native Coal			375	378			
Stone			378	400			
Sand			400	420			
Lime			420	470			
Coal			470	474			
Lime & Slate			474	530			
Fairview Coal			530	534			
Lime & Slate			534	790			
Mapletown Coal			790	795			
Lime & Slate			795	890			
Pittsburgh Coal			890	899	2 bailers water per hr.		
Slate & Lime			899	940			
Sand			940	955			
Lime & Slate			955	1000			
Sand			1000	1035			
Lime & Slate			1035	1075			
Stone			1075	1190			
Lime & Slate Stone			1190	1326			
Little Dunkard			1326	1346			
Slate			1346	1352			
Big Dunkard			1352	1400			
Sand			1400	1460			
Lime & Slate			1460	1624			
1st Salt Sand			1624	1734	2 bailers water at 1632 - Hole full at 1690 ft		
Slate & Lime			1734	1870			
3rd Salt Sand			1870	1925			
Slate			1925	1940			
Sand			1940	1960			
Lime & Slate			1960	2020			
Mason Sand <u>salt</u>			2020	2110	Gas 2085 - 2087		
Big Lime			2110	2165			
Big Injun			2165	2262	Gas 2218 - 2256		
Big Injun			2262	2365			
Slate			2365	2370			
Sand			2370	2380			
Slate & Lime			2380	2700			

DRILLED DEEPER - 1929



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand			2700	2710			
Slate			2710	2856			
50-Foot			2856	2876			
Sand			2876	2887			
Slate			2887	2910			
Sand			2910	2915			
Slate			2915	2927			
50-Foot			2927	<del>2942</del>	Gas at 2928 to 2929		
Pink Rock			2942	2944			
Gordon Stray			2944	2970			
Slate & Shells			2970	2992			
Gordon Sand			2992	3050			
Slate & Shells			3050	3070			
1/4th Sand			3070	3110	Gas 3084 to 3087		
Total depth				3123			
				<u>2262</u>			
				1861			

Date June 18th, 194 5

APPROVED THE MANUFACTURERS LIGHT & HEAT COMPANY, Owner

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