



Company	The Manufacturers Light & Heat Co
Address	800 Union Trust Bldg., Pittsburgh, Pa
Farm	J. H. Moore
Tract	1 Acres 88 plus Lease No. 13987
Well (Farm) No.	1 Serial No. 3336
Elevation (Spirit Level)	1245' plus-minus
Quadrangle	Holbrook N. W. MC
County	Ritchie District Union
Engineer	A. J. Russell
Engineer's Registration No.	
File No.	Y-7 604 Drawing No.
Date	3-9-37 Scale 1"-400'

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

WELL LOCATION MAP
 File No. RIT-303A

+ Denotes location of well on U. S. 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.

303A

Union District, Ritchie County, W. Va.

By The Manufacturers Light & Heat Co., 800 Union Trust Bldg.,
Pittsburgh, Pa.

On 88 acres, surface owned by Sarah Alma Ferguson, Hamlin Station, Pa.,
and minerals by M.L.M.Co., Pgh., Pa.

Well purchased from C. E. Braden Feb. 4, 1929.

Volume, 240,000 cu. ft. Elevation, 1245' L.

Rock pressure, 375 lbs.

10" casing, 465'; 8 1/2", 1418'; 5", 2198'.

Gas well. Abandonment reported to Dept. of Mines March 16, 1937.

Record to ROT from D. G. Courtney (Dept. of Mines) 5-5-37.

	Top.	Bottom.
Little Dunkard Sand	1267	- 1296
Big Dunkard Sand	1405	- 1475
First Salt Sand	1605	- 1682
2nd Salt Sand	1730	- 1812
(little water, 1755'; 6 barrels water per hour, 1772-1784')		
3rd Salt Sand	1856	- 1875
Hard sandy line	1913	- 1990
Slate	1990	- 1995
Sandy line	1995	- 2030
Marten Sand (SLM)	2049	- 2072
Little Line	2153	- 2170
Blue Monday Sand	2170	- 2174
Pencil Cave	2174	- 2175
Gritty line	2176	- 2183
Slate break	2183	- 2185
Black line	2185	- 2195
Big line	2195	- 2264
Big Injun Sand (gas, 2273-2279'; oil, 2283-2289')	2264	- 2320
(little gas at 43' in sand)		
Total depth		2389

WEST VIRGINIA DEPARTMENT OF MINES
OIL AND GAS DIVISION

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WELL RECORD

RIT-303-A

Permit No. Well purchased from C. E. Braden - Feb. 4, 1929 Oil or Gas Well Gas
(Kind)

Company The Manufacturers Light & Heat Co.	Casing and Tubing	Used in Drilling	Left in Well	Packers
Address 800 Union Trust Bldg., Pittsburgh, Pa.	Size	<i>No record of casing</i>		Kind of Packer.....
Farm J. H. Moore Acres 88	16.....			
Location (waters).....	13.....			
Well No. 1-3336 Elev. 1245 ft.	8 1/4.....			
District Union County Ritchie	6 5/8.....			
The surface of tract is owned in fee by Sarah Alma Ferguson	5 3/16.....	<i>No record of casing</i>		Size of.....
Address Hanlin Station, Pa.	3.....			Depth set.....
Mineral rights are owned by The Manufacturers Light & Heat Co.	2.....			Perf. top.....
Address Pittsburgh, Pa.	Liners Used.....			Perf. bottom.....
Drilling commenced.....				Perf. top.....
Drilling completed Well purchased from C E Braden		Perf. bottom.....		
Date shot..... Depth of shot 2 1/4/29				
Open Flow /10ths Water in..... Inch				
/10ths Merc. in..... Inch				
Volume 240,000 Cu. Ft.	CASING CEMENTED.....	SIZE.....	No. FT.....	Date
Rock Pressure 375 lbs..... hrs.				
Oil..... bbls., 1st 24 hrs.	COAL WAS ENCOUNTERED AT..... FEET..... INCHES			
Fresh water..... feet..... feet	None FEET..... INCHES..... FEET..... INCHES			
Salt water..... feet..... feet FEET..... INCHES..... FEET..... INCHES			

Formation	Color	Hard or Soft	Top	Bottom	Oil Gas or Water	Depth Found	Remarks
10" Casing				465			
Little Dunkard			1267	1296			
Big Dunkard			1405	1475			
8 1/4" casing			1418				
First Salt Sand			1605	1682			
2nd Salt Sand			1730	1842			
Little Water			1755		Water	1755	
3rd Salt Sand			1856	1875	Water	1772-1784	6 bailers hr.
Hard Sandy Lime		Hard	1913	1990			
Slate			1990	1995			
Sandy Lime			1995	2030			
Maxon Sand S.L.			2049	2072			
Little Lime			2153	2170			
Blue Monday sand			2170	2174			
Pencil Cave			2174	2175			
Gritty Lime			2176	2183			
Slate Break			2183	2185			
Black Lime			2185	2195			
Big Lime			2195	2264			
5 3/16" Casing			2198				
Injun Sand			2264	2320	Gas	2273-2279	
					Oil	2283-2289	
Little gas at 43' in sand							
Total depth				2389			



