



Latitude 39 10'

Longitude 81 30'

0.56-S
~~0.57-S~~
 0.07-W
 G NE (G-5)

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

See Vol. XVI, p. 885.

Company	UNITED FUEL GAS CO.
Address	CHARLESTON, W.VA.
Farm	F. R. HART
Tract	Acres 33 Lease No. 43882
Well (Farm) No.	1 Serial No. 5263
Elevation (Spirit Level)	634.19' DE
Quadrangle	BELLEVILLE EC
County	WOOD District SLATE
Engineer	<i>W. E. ...</i>
Engineer's Registration No.	659
File No.	68-115 Drawing No.
Date	ARR. 19, 1943 Scale 1"=300'

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

WELL LOCATION MAP
 FILE NO. Woo-136

+ 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.

Samples 10-E (55-4945')

Deep Well

F. R. HART NO. 1 WELL.

Slate District, Wood County, W. Va.

By United Fuel Gas Co., Charleston, W. Va.

Located 0.57 mi. S. of 39°10' and 0.07 mi. W. of 81° 30' - EG - Belleville Quadrangle.

Elevation, 638.19' L.

Permit Woo-136.

Drilling commenced May 11, 1943; completed Aug. 21, 1943.

Dry hole.

Water, 464', $\frac{1}{2}$ bailer per hour; 990-1007'; 1191', 1 bailer per hour.

Section based on samples from 1466 to 4945', examined by J. H. C. Martens, omitting most of Devonian Shales. Survey also has samples from 55 to 1466'.

Record to RCT from Martens March 24, 1945.

Top. Bottom. Thickness.

Top.	Bottom.	Thickness.	Description
			POTTSVILLE FORMATION, 76+ FEET
1466	1542	76	Sandstone, white, medium- to coarse-grained
			GREENBRIER LIMESTONE, 88 FEET
1542	1560	18	Limestone, very light brown
1560	1570	10	Limestone, very light brown, dolomitic
1570	1573	3	Limestone, very light brown, oolitic, and sandy
1573	1592	19	Sandstone, nearly white, medium-grained, calcareous; larger grains are rounded and frosted
1592	1604	12	Limestone, very light brown, oolitic, and somewhat sandy
1604	1630	26	Dolomite, nearly white, porous, slightly sandy
			POCONO FORMATION, 465 FEET
1630	1646	16	Shale and siltstone, gray
1646	1658	12	Sandstone, light-gray, fine, with a few coarse grains; also some gray shale and siltstone
1658	1670	12	Shale, gray, silty
1670	1692	22	Shale and siltstone, gray
1692	1717	25	Sandstone, light-gray and brown, fine, 80%; gray shale, 20%
1717	1736	19	Shale and siltstone, gray
1736	1742	6	Sandstone, light-gray and brown, 70%; gray silty shale, 30%
1742	1769	27	Shale, gray, silty, 70%; light-gray siltstone and very fine sandstone, 30%
1769	1829	60	Sandstone, light-gray and light-brown, very fine, 80%; gray silty shale, 20%; contains a few fossil shells
1829	1875	46	Siltstone, light-gray, 80 to 90%; darker gray silty shale, 20 to 10%
1875	1912	37	Shale and siltstone, gray
1912	1934	22	Shale, dark-gray, with some gray to brownish siltstone
1934	1957	33	Shale, dark-gray, with siderite concretions
1957	1974	17	Siltstone, gray, fossiliferous, 60%; gray shale, 40%
1974	2010	36	Shale, dark-gray, with smaller amounts of fine gray siltstone
2010	2056	46	Shale, dark-gray, silty, 60%; gray, finer siltstone, 40%
2056	2064	8	No sample
2064	2085	21	Shale, dark-gray, silty, 70%; gray siltstone, 30%
2085	2095	10	No sample; the Berea Sandstone and Sunbury Shale are probably in this interval, since the next sample contains small amounts of black shale and very fine white sandstone with specks of pyrite
			DEVONIAN SHALES, 2604 FEET
2095	2178	83	Siltstone and silty shale, gray
2178	2195	17	Shale, dark-gray, with some siltstone
2195	2252	57	Siltstone, light-gray to nearly white, sandy, 60%; gray shale, 40%
2252	2283	31	Shale and siltstone, gray; much less siltstone than above and below

(OVER)

F. R. HART NO. 1 WELL (Continued).

Top.	Bottom.	Thickness.	
2283	- 2338	55	Siltstone, light-gray, rather sandy, 60 to 75% gray shale, 40 to 30%
2338	- 4680	2342	Samples not described
4680	- 4699	19	Shale, very dark brownish gray to black HUNTERSVILLE CHERT, 141 FEET
4699			Top of "Corniferous" in driller's record
4700	- 4702	2	No sample
4702	- 4709	7	Limestone, brown, cherty; also some brown siltstone with much biotite
4709	- 4713	4	No sample
4713	- 4840	127	Chert and cherty limestone, brown, light-brown, and light-gray; a little glauconite near bottom ORISKANY SANDSTONE, 42 FEET
4840	- 4870	30	Sandstone, light-gray to white, fine- to medium-grained, moderately calcareous
4870	- 4882	12	Sandstone, gray to brownish, fine- to medium-grained, calcareous HELDERBERG LIMESTONE, 63+ FEET
4882	- 4889	7	Limestone, light-gray, sandy, fossiliferous
4889	- 4908	19	Limestone, light-gray and light-brown, cherty, fossiliferous
4908	- 4918	10	Limestone, brown, very cherty
4918	- 4922	4	Limestone, brown, shaly
4922	- 4945	23	Limestone, brown to brownish-gray, cherty
	4846		Total depth
		7	

WEST VIRGINIA DEPARTMENT OF MINES
OIL & GAS DIVISION
WELL RECORD

Permit No. Woo 136
Belleville Quad.

Dry Hole
CASING & TUBING

Company	United Fuel Gas Company			
Address	Box 1273, Charleston, W.Va.	1 1/2	350	350
Farm	F.R. Hart Acres 33	1 1/2	1010	1010
Location	Little Tygart Creek	8 1/2	1854	1854
Well No	5263 Elev. 634.2	6 5/8	4714	4714
District	Slate Wood County			
Surface	F.R. Hart, Mineral Wells, W.Va.			
Mineral	Same			
Commenced	May 11, 1943			
Completed	Aug. 21, 1943			
Date shot	8-27-43 Depth 4842 to 4874-60 qts.			
Shot	9-6-43 Depth 3291-3390-750# Gel			
Volume	Dry Hole			
Fresh Water	464' 1/2 BPH			
Salt Water	990-1007; 1191' 1 BPH			

Surface	0	10	
Sand & Gravel	10	38	
Red Rock	38	57	
Red & Gray Clay	57	77	
Sand	77	103	
Red & Gray Clay	103	136	
Sand & Lime	136	182	
Red & Clay, gray	182	209	
Gray Sand	209	267	
Red Rock	267	271	
Lime	271	301	
Gray Shale & Red Rock	301	329	
Lime	329	344	
Red & Gray Clay	344	356	
Gray Shale	356	510	
Red Rock	510	620	
Sand	620	630	
Red Rock	630	851	
Sand	851	1083)	
Slate & Shells	1083	1116)	Salt Sd.
Sand	1116	1227)	
Slate & Shells	1227	1354	
Lime	1354	1364	
Slate & Shells	1364	1370	
Sand	1370	1542)	
Lime	1542	1632)	Big Lime
Broken Lime	1632	1702	
Sand-Injun	1702	1736	
Lime Shells & Slate	1769	1854	
Slate & Shells	1854	2085	
Lime	2085	2111	
Lime Shells & Slate	2111	2493	
Gray Shale	2493	3284	
Light Brown Shale	3284	3388	
Gray Shale & Shells	3388	3880	
Brown Shale	3880	3975	
Light Slate	3975	4007	
White Slate	4007	4308	
Light Shale	4308	4413	
Brown Shale	4413	4605	
Gray Shale	4605	4616	
Brown Shale	4616	4688	
Black Shale - MARCELLUS	4688	4699	
Corniferous Lime	4699	4841	
Oriskany Sand	4841	4882	
Sandy Lime	4882	4889	
Lime	4889	4946	
TOTAL DEPTH		4946	SLM

4699	4841	4882
634	634	634
<hr/>		
4065	4207	4248

Gas show 4847 Burned 1' high through
7" casing when pulling bailer.

485