



W-1.22
S-.92

- New Location X
- Drill Deeper
- Abandonment

Company	UNITED FUEL GAS CO.
Address	CHARLESTON, W.VA.
Farm	W. F. McFARLAND ETAL
Tract	Acres 64 Lease No. 41420
Well (Farm) No.	1 Serial No. 4866
Elevation (Spirit Level)	848.13
Quadrangle	KENNA S
County	JACKSON District WASHINGTON
Engineer	
Engineer's Registration No.	659
File No.	62-73 Drawing No.
Date	DEC. 21, 1939 Scale 1" = 660'

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

WELL LOCATION MAP
FILE NO. JAC-65

+ 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.

60-192

W. F. McFarland et al No. 1-4866 Well (91)
 (Lease No. 41,420 - 64 acres)

Washington Dist., Jackson Co., W. Va.; on hill southeast of Middle Fork 3.2 miles N. 30 E. of Sissonville (1.22 miles W. of 81° 35' and 0.91 mile S. of 38° 35'); begun Jan 29, 1940; completed May 17, 1940; by United Fuel Gas Co.; elevation, 848.16'L.

	Top Feet	Bottom Feet
<u>Pennsylvanian-Monongahela (135')</u>		
Sand, <u>Sewickley</u>	0	40
Red rock.....	40	70
Slate.....	70	84
Red rock.....	84	106
Sand, <u>Upper Pittsburgh</u>	106	135
<u>Pennsylvanian-Conemaugh (574')</u>		
Slate.....	135	200
Sand, <u>Minshall (Connellsville)</u>	200	230
Red rock.....	230	260
Slate.....	260	281
Red rock.....	281	310
Slate.....	310	341
Red rock.....	341	398
Sand, <u>Grafton</u>	398	424
Red rock.....	424	485
Slate.....	485	500
Red rock.....	500	520
Slate.....	520	552
Red rock.....	552	595
Slate.....	595	615
Red rock.....	615	640
Slate.....	640	709
<u>Pennsylvanian-Allegheny (204')</u>		
Sand, <u>Burning Springs (Upper Freeport)</u> (fresh water, 709' - 1/2 bail per hr.)	709	817
Slate.....	817	822
Sand, <u>East Lynn</u>	822	911
Slate.....	911	913
<u>Pennsylvanian-Pottsville-Kanawha (438')</u>		
Sand, <u>Second Cow Run (Homewood)</u>	913	933
Slate & shells.....	933	1100
Sand, <u>Brownstown</u>	1100	1125
Slate & shells.....	1125	1281
Sand, <u>Lower Gilbert</u>	1281	1317
Slate.....	1317	1351

	Top Feet	Bottom Feet
<u>Pennsylvanian-Pottsville-New River (348')</u>		
Sand, <u>First Salt, etc. (Nuttall, etc.)</u> (salt water, 1355' - hole full).....	1351	1654
Slate.....	1654	1659
Sand, <u>Salt, Breeden (Upper Raleigh)</u>	1659	1699
<u>Mississippian-Mauch Chunk (27')</u>		
<u>Little Lime (Glenray)</u>	1699	1722
<u>Pencil Cave (Lillydale)</u>	1722	1726
<u>Mississippian-Greenbrier (155')</u>		
<u>Big Lime</u>	1726	1881
<u>Mississippian-Pocono (514')</u>		
Sand, <u>Big Injun</u>	1881	1950
Slate.....	1950	1960
Lime shells.....	1960	1969
Sand, <u>Squaw</u>	1969	2009
Slate & shells.....	2009	2350
Sand, <u>Berea</u>	2350	2395
<u>Devonian-Chemung & Portage (1615')</u>		
Slate & shells.....	2395	3559
Shale, brown.....	3559	3609
Slate & shells.....	3609	4010
<u>Devonian-Genesee (175')</u>		
Shale, brown.....	4010	4185
<u>Devonian-Hamilton (495')</u>		
Slate, white.....	4185	4680
<u>Devonian-Marcellus (313')</u>		
Shale, brown, (cave, 4790').....	4680	4925
Shale, black.....	4925	4993
<u>Devonian-Onondaga (119')</u>		
Lime, <u>Corniferous</u>	4993	5112
<u>Devonian-Oriskany (74')</u>		
Sand, <u>Oriskany (gas, 5122-5124')</u>	5112	5155
Lime, black.....	5155	5180
Sand, <u>Oriskany</u>	5180	5186
<u>Devonian-Helderberg (18'+)</u>		
Lime, slightly sandy.....	5186	5195
Lime, black.....	5195	5204
Total depth.....		5204

13" casing, 16'; 10" csg., 709'; 8-5/8" csg., 1961'; 7" csg., 5007'.

Shot May 23, 1940 at 5122.

Oriskany sand gas well - small.

W. F. McFarland et al No. 1-4866 Well (9I)
 (Lease No. 41,420 - 64 acres)

Washington Dist., Jackson Co., W. Va.; on hill southeast of Middle Fork 3.2 miles N. 30 E. of Sissonville (1.22 miles W. of 81° 35' and 0.91 mile S. of 38° 35'); begun Jan 29, 1940; completed May 17, 1940; by United Fuel Gas Co.; elevation, 848.16'L.

	Top Feet	Bottom Feet
<u>Pennsylvanian-Monongahela (135')</u>		
Sand, <u>Sewickley</u>	0	40
Red rock.....	40	70
Slate.....	70	84
Red rock.....	84	106
Sand, <u>Upper Pittsburgh</u>	106	135
<u>Pennsylvanian-Conemaugh (574')</u>		
Slate.....	135	200
Sand, <u>Minshall (Connellsville)</u>	200	230
Red rock.....	230	260
Slate.....	260	281
Red rock.....	281	310
Slate.....	310	341
Red rock.....	341	398
Sand, <u>Grafton</u>	398	424
Red rock.....	424	485
Slate.....	485	500
Red rock.....	500	520
Slate.....	520	552
Red rock.....	552	595
Slate.....	595	615
Red rock.....	615	640
Slate.....	640	709
<u>Pennsylvanian-Allegheny (204')</u>		
Sand, <u>Burning Springs (Upper Freeport)</u> (fresh water, 709' - 1/2 bail per hr.)	709	817
Slate.....	817	822
Sand, <u>East Lynn</u>	822	911
Slate.....	911	913
<u>Pennsylvanian-Pottsville-Kanawha (438')</u>		
Sand, <u>Second Cow Run (Homewood)</u>	913	933
Slate & shells.....	933	1100
Sand, <u>Brownstown</u>	1100	1125
Slate & shells.....	1125	1281
Sand, <u>Lower Gilbert</u>	1281	1317
Slate.....	1317	1351

	Top Feet	Bottom Feet
<u>Pennsylvanian-Pottsville-New River (348')</u>		
Sand, <u>First Salt, etc. (Nuttall, etc.)</u> (salt water, 1355' - hole full).....	1351	1654
Slate.....	1654	1659
Sand, <u>Salt, Breeden (Upper Raleigh)</u>	1659	1699
<u>Mississippian-Mauch Chunk (27')</u>		
<u>Little Lime (Glenray)</u>	1699	1722
<u>Pencil Cave (Lillydale)</u>	1722	1726
<u>Mississippian-Greenbrier (155')</u>		
<u>Big Lime</u>	1726	1881
<u>Mississippian-Pocono (514')</u>		
Sand, <u>Big Injun</u>	1881	1950
Slate.....	1950	1960
Lime shells.....	1960	1969
Sand, <u>Squaw</u>	1969	2009
Slate & shells.....	2009	2350
Sand, <u>Berea</u>	2350	2395
<u>Devonian-Chemung & Portage (1615')</u>		
Slate & shells.....	2395	3559
Shale, brown.....	3559	3609
Slate & shells.....	3609	4010
<u>Devonian-Genesee (175')</u>		
Shale, brown.....	4010	4185
<u>Devonian-Hamilton (495')</u>		
Slate, white.....	4185	4680
<u>Devonian-Marcellus (313')</u>		
Shale, brown, (cave, 4790').....	4680	4925
Shale, black.....	4925	4993
<u>Devonian-Onondaga (119')</u>		
Lime, <u>Corniferous</u>	4993	5112
<u>Devonian-Oriskany (74')</u>		
Sand, <u>Oriskany (gas, 5122-5124')</u>	5112	5155
Lime, black.....	5155	5180
Sand, <u>Oriskany</u>	5180	5186
<u>Devonian-Helderberg (18'+)</u>		
Lime, slightly sandy.....	5186	5195
Lime, black.....	5195	5204
Total depth.....		5204

13" casing, 16'; 10" csg., 709'; 8-5/8" csg., 1961'; 7" csg., 5007'.

Shot May 23, 1940 at 5122.

Oriskany sand gas well - small.

W. F. McFarland et al No. 1-4866 Well (9I)
 (Lease No. 41,420 - 64 acres)

Washington Dist., Jackson Co., W. Va.; on hill southeast of Middle Fork 3.2 miles N. 30 E. of Sissonville (1.22 miles W. of 81° 35' and 0.91 mile S. of 38° 35'); begun Jan 29, 1940; completed May 17, 1940; by United Fuel Gas Co.; elevation, 848.16'L.

	Top Feet	Bottom Feet
<u>Pennsylvanian-Monongahela (135')</u>		
Sand, <u>Sewickley</u>	0	40
Red rock.....	40	70
Slate.....	70	84
Red rock.....	84	106
Sand, <u>Upper Pittsburgh</u>	106	135
<u>Pennsylvanian-Conemaugh (574')</u>		
Slate.....	135	200
Sand, <u>Minshall (Connellsville)</u>	200	230
Red rock.....	230	260
Slate.....	260	281
Red rock.....	281	310
Slate.....	310	341
Red rock.....	341	398
Sand, <u>Grafton</u>	398	424
Red rock.....	424	485
Slate.....	485	500
Red rock.....	500	520
Slate.....	520	552
Red rock.....	552	595
Slate.....	595	615
Red rock.....	615	640
Slate.....	640	709
<u>Pennsylvanian-Allegheny (204')</u>		
Sand, <u>Burning Springs (Upper Freeport)</u> (fresh water, 709' - 1/2 bail per hr.)	709	817
Slate.....	817	822
Sand, <u>East Lynn</u>	822	911
Slate.....	911	913
<u>Pennsylvanian-Pottsville-Kanawha (438')</u>		
Sand, <u>Second Cow Run (Homewood)</u>	913	933
Slate & shells.....	933	1100
Sand, <u>Brownstown</u>	1100	1125
Slate & shells.....	1125	1281
Sand, <u>Lower Gilbert</u>	1281	1317
Slate.....	1317	1351

	Top Feet	Bottom Feet
<u>Pennsylvanian-Pottsville-New River (348')</u>		
Sand, <u>First Salt, etc. (Nuttall, etc.)</u> (salt water, 1355' - hole full).....	1351	1654
Slate.....	1654	1659
Sand, <u>Salt, Breeden (Upper Raleigh)</u>	1659	1699
<u>Mississippian-Mauch Chunk (27')</u>		
<u>Little Line (Glenray)</u>	1699	1722
<u>Pencil Cave (Lillydale)</u>	1722	1726
<u>Mississippian-Greenbrier (155')</u>		
<u>Big Lime</u>	1726	1881
<u>Mississippian-Pocono (514')</u>		
Sand, <u>Big Injun</u>	1881	1950
Slate.....	1950	1960
Lime shells.....	1960	1969
Sand, <u>Squaw</u>	1969	2009
Slate & shells.....	2009	2350
Sand, <u>Berea</u>	2350	2395
<u>Devonian-Chemung & Portage (1615')</u>		
Slate & shells.....	2395	3559
Shale, brown.....	3559	3609
Slate & shells.....	3609	4010
<u>Devonian-Genesee (175')</u>		
Shale, brown.....	4010	4185
<u>Devonian-Hamilton (495')</u>		
Slate, white.....	4185	4680
<u>Devonian-Marcellus (313')</u>		
Shale, brown, (cave, 4790').....	4680	4925
Shale, black.....	4925	4993
<u>Devonian-Onondaga (119')</u>		
Lime, <u>Corniferous</u>	4993	5112
<u>Devonian-Oriskany (74')</u>		
Sand, <u>Oriskany (gas, 5122-5124')</u>	5112	5155
Lime, black.....	5155	5180
Sand, <u>Oriskany</u>	5180	5186
<u>Devonian-Helderberg (18'+)</u>		
Lime, slightly sandy.....	5186	5195
Lime, black.....	5195	5204
Total depth.....		5204

13" casing, 16'; 10" csg., 709'; 8-5/8" csg., 1961'; 7" csg., 5007'.

Shot May 23, 1940 at 5122.

Oriskany sand gas well - small.

WEST VIRGINIA DEPARTMENT OF MINES
OIL & GAS DIVISION
WELL RECORD

Permit No. Jac-65
Kenna Quad.

Gas Well

CASTING & TUBING

Company	United Fuel Gas Co.	13	16	16
Address	Box 1256, Charleston, W. Va.	10	709	709
Farm	W. F. McFarland, et al ACRES 64	8-5/8	1961	1961
Location	Middle Fork of Pocahontas River	7	5007	5007
Well No.	4866 ELEV. 848.13			
District	Washington - Jackson County			
Surface & Mineral Address	W. F. McFarland, et al Charleston, W. Va.			
Commenced	Jan. 29, 1940			
Completed	May 17, 1940			
Shot	5/23/40 - Depth 5122			
Open Flow	-			
Volume	Small gas well			
Rock Pressure	-			
Fresh Water	709			
Salt Water	1355			

Sand	0	40	Slate & Shells	2000	2350	
Red Rock	40	70	Area	2350	2395	
Slate	70	84	Slate & Shells	2395	3559	
Red Rock	84	106	Brown Shale - 441	3559	3609	
Sand	106	135	Slate & Shells	3609	4010	
Slate	135	200	Brown Shale	4010	4185	
Sand	200	230	White Slate	4185	4630	
Red Rock	230	260	Brown Shale	4630	4925	Cave 4720
Slate	260	281	Black Shale - Marcellus	4925	4993	
Red Rock	281	310	Corniferous Lime - 463	4993	5112	
Slate	310	341	Oriskany Sand	5112	5155	Gas 5122-5124
Red Rock	341	398				
Sand	398	424	Black Lime	5155	5180	
Red Rock	424	485	Sand	5180	5186	
Slate	485	500	Lime, slightly sandy	5186	5195	
Red Rock	500	520	Black Lime	5195	5204	
Slate	520	552	Total Depth		5204	
Red Rock	552	595				
Slate	595	615				
Red Rock	615	640				
Slate	640	709				

W 709
1/2 blr.hr.

Sand	709	817	
Slate	817	822	
Sand	822	911	
Slate	911	931	
Sand	931	933	
Slate & Shells	933	1100	
Sand	1100	1125	
Slate & Shells	1125	1201	
Sand	1201	1317	
Slate	1317	1351	
Salt Sand	1351	1654	HFV 1355
Slate	1654	1659	
Sand	1659	1699	
White Lime	1699	1722	
Small Cave	1722	1726	
White Lime	1726	1881	
Thin Sand	1881	1950	
Slate	1950	1960	
Thin Shells	1960	1969	
Sand	1969	2009	