

Luella Phelps No. 1 (5001) Well

Curry District, Putnam County, W. Va.

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

Located 4.5 mi. W. of 81°55' and 2.87 mi. S. of 38°25' -WC- St. Albans Quadrangle.

Elevation, 820', B.

Permit, Put-92.

Completed in 1941.

Gas well in Big Lime.

Volume 8,000,000 cu. ft.

Samples from surface to 1647' examined by C. Apscuri. Most of the samples are marked as covering even ten foot intervals.

Well starts about 80 feet below Pittsburgh Coal horizon.

Top	Bottom	Thickness	
<u>Conemaugh, Allegheny and Pottsville, 1634 feet</u>			
0	10	10	Siltstone, yellowish-green, shaly, 70%; red shale, 30%
10	20	10	Shale, red and yellow
20	50	30	Shale, gray to grayish-green, soft
50	60	10	Shale, green, silty and sandy
60	70	10	Siltstone, yellow
70	80	10	Shale, green, soft
80	90	10	Shale, red
90	112	22	Sandstone, white, fine- to medium-grained
112	190	78	Shale, red
190	200	10	Shale, brown and red
200	210	10	Shale, green, silty
210	230	20	Shale, red, 50%; green shaly siltstone, 50%
230	280	50	Siltstone, green, shaly
280	320	40	Shale, yellow 90%; gray shale, 10%
320	350	30	Shale, red
350	390	40	No samples
390	410	20	Siltstone, green
410	460	50	Shale, green, red, and yellow
460	480	20	Siltstone, green
480	490	10	Sandstone, white, fine

Top	Bottom	Thickness	
490	550	60	Siltstone, green, 80%; dark-brown shale, 20%
550	560	10	Sandstone, white, fine
560	590	30	Shale, greenish-gray, silty
590	630	40	Siltstone, greenish-gray, shaly
630	640	10	Sandstone, white, fine
640	650	10	No sample
650	700	50	Sandstone, white, fine
700	730	30	Siltstone, light-gray, with siderite spherulites
730	740	10	Sandstone, white, medium-grained
740	770	30	Siltstone, gray
770	790	20	Sandstone, white, medium-grained, with siderite spherulites
790	920	130	Siltstone, gray
920	970	50	Sandstone, white, medium-grained
970	1000	30	Siltstone, gray, shaly
1000	1030	30	Sandstone, white, medium-grained
1030	1070	40	Siltstone, light-gray, with siderite spherulites
1070	1130	60	Sandstone, white, medium-grained
1130	1160	30	Siltstone, dark-gray
1160	1200	40	Sandstone, white, fine; some siltstone, like that above
1200	1220	20	Sandstone, white, fine
1220	1285	65	Sandstone, white, fine, 80%; gray siltstone, 20%
1285	1520	235	Sandstone, white, medium- to coarse-grained
1520	1530	10	Shale, gray to brownish, soft, 60%; white, medium- to coarse-grained sandstone, 40%
1530	1545	15	Sandstone, white, as above, 60%; shale, gray, soft 40%
1545	1595	50	Sandstone, white, fine- to medium-grained
1595	1616	21	Sandstone, white, coarse
1616	1634	18	Sandstone, white, very coarse, pebbly, pyritic
<u>Greenbrier Limestone, 13+ feet</u>			
1634	1647	13	Limestone, light-gray to brownish, fossiliferous; a little soft gray shale at or near top
Gas pays at 1682, 1778, 1735, 1736, 1744'. Fragments taken out after shot are white, slightly calcareous sandstone			