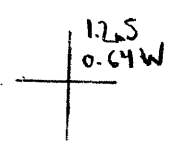


38° 10' 00"

LATITUDE



LONGITUDE

LONGITUDE

41° 25' 00"

7.5 OGIS topo location

7.5' loc \_\_\_\_\_ 15' loc \_\_\_\_\_  
 \_\_\_\_\_ (calc.) \_\_\_\_\_

Company United Fuel Gas Co  
 Farm Imperial Coal Co #11 (912)  
 SECTION MAP  
 Quad Cedar Grove  
 County Kanawha  
 District Cabin Creek

WELL LOCATION MAP  
 File No. 039-70044

## IMPERIAL COAL CO. NO. 11 (912) WELL.

Cabin Creek District, Kanawha County, W. Va.  
 By United Fuel Gas Co., Charleston, W. Va.  
 Drilling contractor: U. F. G. Drilling Dept., Charleston, W. Va.  
 Commenced March 9, 1917; completed May 30, 1917.  
 Drillers: S. J. Sanford, F. W. Dye.  
 10" casing, 395' (pulled); 8 $\frac{1}{2}$ " 1386' (pulled); 6 $\frac{5}{8}$ " 1971'; 2" tubing.  
 Shot May 31, 1917, with 40 qts.  
 Oil, pumped 2 bbls., 1st 24 hrs.  
 Steel-line measurements at 1939, 2603, 2634, 2623, and 2644'.

	Top.	Bottom.	Thickness.
Gravel	0	10	10
Lime shells (fresh water, 50')	10	65	55
Coal	65	67	2
Lime shells	67	140	73
Sand	140	165	25
Slate	165	170	5
Sand	170	180	10
Slate and shells	180	300	120
Sand	300	325	25
Slate	325	330	5
Slate and shells	330	381	51
Coal	381	384	3
Slate	384	400	16
Sand	400	450	50
Slate and shells	450	475	25
Sand	475	500	25
Slate and shells	500	600	100
Sand	600	620	20
Slate and shells	620	650	30
Sand	650	685	35
Slate	685	700	15
Sand	700	750	50
Slate	750	800	50
Sand	800	830	30
Slate	830	850	20
Sand	850	950	100
Slate	950	1000	50
Salt Sand (4 boilers salt water, 1000')	1000	1290	290
Black slate (hole full salt water, 1160')	1290	1315	25
White slate	1315	1335	20
Red rock	1335	1340	5
Slate lime shell	1340	1375	35
Red rock	1375	1386	11
Black slate	1386	1460	74
Slate and shells	1460	1505	45
Red rock	1505	1585	80
Slate and shells	1585	1655	70
Sand	1655	1670	15
Red rock	1670	1705	35
Slate and shells	1705	1745	40
Lime	1745	1770	25
Marion Sand	1770	1840	70
Slate shell	1840	1920	80
Pencil Cave	1920	1939	19
Big Line (gas show, 2070-77')	1939	2140	201
Big Injun Sand	2140	2193	53
Slate shell	2193	2310	127

(OVER)

IMPERIAL COAL CO. NO. 11 (912) WELL (Continued).

	Top.	Bottom.	Thickness.
Wear Sand	2310	2370	60
Slate and shell	2370	2500	130
Black slate	2500	2603	103
Brown Sand	2603	2634	31
Slate	2634	2644	10
Total depth		2644	

Vertical reports:

Top of Big line	193		
Brown Sand (oil show, 2623'; oil show, 2633')	2603	2634	31
Total depth		2644	

IMPERIAL COAL CO. NO. 11 (912) WELL.

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 Shot May 31, 1917, with 40 qts.  
 Oil, pumped 2 bbls., 1st 24 hrs.  
 Steel-line measurements at 1939, 2603, 2634, 2623, and 2644'.

	Top.	Bottom.	Thickness.
Gravel	0	10	10
Lime shells (fresh water, 50')	10	65	55
Coal	65	67	2
Lime shells	67	140	73
Sand	140	165	25
Slate	165	170	5
Sand	170	180	10
Slate and shells	180	300	120
Sand	300	325	25
Slate	325	330	5
Slate and shells	330	381	51
Coal	381	384	3
Slate	384	400	16
Sand	400	450	50
Slate and shells	450	475	25
Sand	475	500	25
Slate and shells	500	600	100
Sand	600	620	20
Slate and shells	620	650	30
Sand	650	685	35
Slate	685	700	15
Sand	700	750	50
Slate	750	800	50
Sand	800	830	30
Slate	830	850	20
Sand	850	950	100
Slate	950	1000	50
Salt Sand (11 bailers salt water, 1090') (hole full salt water, 1160')	1000	1290	290
Black slate	1290	1315	25
White slate	1315	1335	20
Red rock	1335	1340	5
Slate lime shell	1340	1375	35
Red rock	1375	1386	11
Black slate	1386	1460	74
Slate and shells	1460	1505	45
Red rock	1505	1585	80
Slate and shells	1585	1655	70
Sand	1655	1670	15
Red rock	1670	1705	35
Slate and shells	1705	1745	40
Lime	1745	1770	25
Marion Sand	1770	1840	70
Slate shell	1840	1920	80
Pencil Cove	1920	1939	19
Big Lime (gas show, 2070-77')	1939	2140	201
Big Injun Sand	2140	2193	53
Slate shell	2193	2310	117

IMPERIAL COAL CO. NO. 11 (912) WELL (Continued).

	Top.	Bottom.	Thickness.
Weir Sand.	2310	- 2370	60
Slate and shell	2370	- 2580	210
Black slate	2580	- 2603	23
Berea Sand	2603	- 2634	31
Slate	2634	- 2644	10
Total depth		2644	

Revised records

Top of Big Lane	1939		
Berea Sand (oil show, 2623'; oil show, 2633')	2603	- 2634	31
Total depth		2644	