

LATITUDE

(15') 38° 25'  
(7.5') 38° 22' 30"

OGIS  
7.5'

LONGITUDE

(15') 81° 40'  
(7.5') 81° 42' 30"

7.5 OGIS topo location

7.5' 10C	<u>.10S</u>	15' 10C	<u>2.98S</u>
	<u>.91W</u>	(calc.)	<u>3.17W</u>

Company West Virginia Gas

Farm C.M. CALDWELL 0-14 (2)

Quad Charlestown West 7.5' / Charlestown 15'

County Kanawha

District Union

WELL LOCATION MAP

File No. 0.39-221

Kanawha

Union District, Kanawha County, W. Va.

By West Virginia Gas Corp., 401 Union Bldg., Charleston, W. Va.

On 30 acres, on Aarons Branch; surface and mineral rights owned by C. M. Caldwell, Dunbar, W. Va.

Drilled under permit Kan-221, issued April 27, 1936.

Elevation, 787.3' Stadia.

1 3/8" conductor, 15' 4"; 10" casing, 525' (pulled); 8 1/4", 1675' (pulled);  
6-5/8", 1925' 8". 5-3/16" liner, 565' 5".

Coal was encountered at 445-450' and 573-576'.

Completed July 13, 1936.

Completion reported to Dept. of Mines July 27, 1936.

Record to ROT from MEG 8-5-36.

Well was shot at 3549-4050, with 3650 lbs. gelatin.

Fresh water at 690'; salt water at 1065, 1110, and 1335'.

Gas well.

Test before shot, 45 M.; 15 mm. after shot, 640 M.; 30 min. after shot,

472 M.; 45 min. after shot, 304 M.; 2 hrs. and 15 min. after shot, 212 M.

Tubes in at 116 M.

0 - 15	Surface	1672 - 1844	Big Lime (show of oil and gas at 1755')
15 - 70	Red mud		
70 - 135	Blue mud	1844 - 1854	Slate
135 - 160	Red mud	1854 - 1906	Big Injun Sand
160 - 250	Gray slate	1906 - 1930	Black lime
250 - 265	Sand	1930 - 2320	Slate and shells
265 - 305	Slate	2320 - 2328	Brown shale
305 - 350	Sand	2328 - 2338	Berea Sand
350 - 395	Slate and shells	2338 - 2358	Lime
395 - 445	Sand	2358 - 2370	Slate
445 - 450	Coal	2370 - 2415	Shell
450 - 455	Slate	2415 - 2500	Slate and shells
455 - 525	Sand	2500 - 2555	Hard shell
525 - 537	Slate and shells	2555 - 2570	Slate
537 - 573	Sand (show of gas, 573')	2570 - 2585	Shell
573 - 576	Coal	2585 - 3555	Slate and shells (gas in shale, 2974'; gas in shale, 3275'; 17 M.)
576 - 600	Slate and shells		
600 - 658	Sand		
658 - 670	Slate	H 3555 - 3615	Brown shale (gas in shale, 3568'; 38 M.)
670 - 680	Sand (show of gas, 675')		
680 - 690	Slate	3615 - 3625	White shale
690 - 705	Sand (water to drill at 690')	3625 - 3675	Brown shale (gas in shale, 3725'; 42 M.)
705 - 800	Slate and shells		
800 - 840	Sand	3675 - 3700	Slate
840 - 925	Slate and shells	3700 - 3775	Brown shale (gas in shale, 3725'; 42 M.)
925 - 935	Sand		
935 - 972	Slate and shells	3775 - 3825	White shale
972 - 980	Slate	3825 - 3870	Brown shale (gas in shale, 3840'; 45 M.)
980 - 1015	Sand		
1015 - 1021	Slate	3870 - 3880	White shale
1021 - 1595	Salt Sand (show of gas at 1050'; water to drill at 1065'; hole full water, 1110'; water at 1335') (bad hole at 1295-1304')	3880-4045	Brown shale
1595 - 1600	Slate	5 4045-4050	White slate
1600 - 1620	Lime shell		4050 Total depth
1620 - 1631	Maxton Sand		
1631 - 1668	Black lime		
1668 - 1672	Pencil Cave		