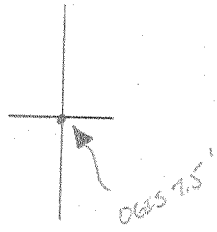


LATITUDE (7.5' 15') 38° 20'

(15' 7.5') 81° 30'

LONGITUDE



7.5 OGIS topo location

7.5' loc	<u>1.775</u>	15' loc	<u>1.775</u>
	<u>1.16W</u>	(calc.)	<u>1.16W</u>

Company Columbian Carbon Co.

Farm W. D. Lewis 15 (SW - 363)

Quad Charleston East 7.5 / Charleston 15' SE

County Kanawha

District Malden

WELL LOCATION MAP

File No. 039-252

Kanawha

DEEPWELL 6-6 Campbell Creek - Malden (214)

WEST VIRGINIA DEPARTMENT OF MINES

OIL AND GAS DIVISION

WELL RECORD

XVI

Permit No. Kan-252

Gas Well

Charleston Quad.

Company - Columbian Carbon Company  
 Address - Box 1240, Charleston, W. Va.  
 Farm - W. D. Lewis. Acres 1495.7  
 Location - Spring Fork  
 Well No. - 15. Elev. 931.7 *GW-363*  
 District - Malden. County- Kanawha  
 Surface & mineral - W. D. Lewis  
 - Reed, W. Va.  
 Drilling - Commenced- 10-31-36  
 - Completed- 2-16-37  
 Date Shot - Not shot.  
 Volume - 3,309,120 cu. ft.  
 Rock Press.- 830 lbs. 3-1/2 hrs.  
 Oil -  
 Fresh Water- 112' 330' 505'  
 Salt Water - 840' 1464'

CASING & TUBING

14" 28  
 10 3/4" OD 491'4"  
 8-5/8" OD 1353'3"  
 7" OD 1614'7"  
 5 1/2" OD 4794'9"  
 3 1/2" OD 4896'2"

*ABD  
4/43*

PACKER

Kind -  
 Size - 3x5-3/16x4'3"  
 Depth- 4834'

Casing cemented 8-5/8 x 103/4, 100-1346'  
 11-24-36. 7" cemented 1400-2300' 12-9-36.

Coal was encountered at 214'36"; 262'120";  
 772'24"; 803'36"

*1.8 S. 20'  
1.17 W. 30'  
SE*

Formation Color <sup>1/2</sup> TOP Bottom Result				Formation Color <sup>1/2</sup> TOP Bottom Result			
Soil & Gravel		0	20	Brown Shale		3360	3395
Sand		20	30	Slate & Shells		3395	3400
Slate		30	45	Brown Shale		3400	3520
Sand		45	60	Slate & Shells		3520	3620
Slate		60	122	Water 112' 1/2 blr per hr			
Sand		122	210	Shale		3620	3640
Slate		210	214	Slate		3640	3655
Coal		214	217	Brown Shale		3655	3800
Slate		217	245	Slate		3800	3821
Sand		245	262	Brown Shale		3821	3855
Slate in old mine		262	272	Slate		3855	4320
Sand		272	303	Shale		4320	4390
Slate		303	311	Water 300' enough to drill with			
Sand		311	343	Slate		4390	4420
Slate		343	373	Brown Shale		4420	4653
Sand		373	403	Slate		4653	4700
Slate		403	433	Black Shale		4700	4746
Sand		433	575	Water 505' enough to drill with			
Slate		575	583	Corniferous		4746	4846SLM 4746
Sand		583	595	Oriskany		4846	4861SLM 4846
Slate		595	600				
Sand		600	695	Total Depth			4861
Slate		695	737				
Salt Sand		737	747	PAY 4846-52-1/2'			
Broken Foundation		747	772				
Coal		772	774				
Slate		774	793				
Sand		793	803				
Coal		803	806	HFV 840'			
Sand		806	1045				
Lime		1045	1056				
Sand		1056	1220				
Slate		1220	1224				
Maxon		1224	1278				
Little Lime		1278	1315				
Slate		1315	1322				
Grey Lime		1322	1334				
Pencil Cave		1334	1338				
Big Lime		1338	1514	Water 1464' filled up 500'			
Injun		1514	1572	Gas 1530' show			
Slate		1572	1535				
Lime, Black		1535	1535				
Slate		1535	1947				
Shale		1947	1950				
Lime, shell, berea		1950	1955				
Slate & Shells		1955	3150				
Brown Shale		3150	3250				
Slate & Shells		3250	3360				

*1514  
1338  
176*

*1514  
932  
-582*

*001 XVI - Gas show  
498  
1530*

*do - 464*