



Company COLUMBIAN CARBON CO.
 Address BOX 1240 - CHARLESTON - W.VA.
 Farm E.T. CRAWFORD ET AL
 Tract C-928 Acres 257.92 Lease No. C-1661
 Well (Farm) No. ONE Serial No. _____
 Elevation (Spirit Level) 871.8
 Quadrangle CHARLESTON N.E. (1)
 County KANAWHA District ELK
 Engineer J. Neill
 Engineer's Registration No. 772
 File No. _____ Drawing No. 351
 Date 7-2-11 Scale 1" = 1320'

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

WELL LOCATION MAP
 FILE NO. KAN-835+~~6~~

+ 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.

6-6-1922 Deep Well

WEST VIRGINIA DEPARTMENT OF MINES
OIL & GAS DIVISION
W E L L R E C O R D

Permit No. Kan-835		Dry Hole
Charleston N.E. Quad.		
Company	Columbian Carbon Compay	Casing & Tubing
Address	Box 1240, Charleston, W. Va.	14 59'6"
Farm	E. T. Crawford, et al Acres 257.92	10 $\frac{1}{2}$ 475'9"
Location	Branch of Coopers Creek	8-58 1557'2"
Well No.	1 (GW-604) Elev. 878.2 DF	7 4907'0"
District	<u>Elk - Kanawha County</u>	
Surface	Herbert W. Hanna, et al, % Columbian	
Mineral	E.T.Crawford, et Al % Col. Carbon Co.	
Commenced	8-28-41	
Completed	11-23141	
Salt Water	1080' LBPH; 1100' HF	

Sand	0	35
Red Rock	35	75
Slate & Shells	75	130
Red Rock	130	155
Slate	155	175
Red Rock	175	205
Slate & Shells	205	220
Sand	220	250
Red Rock	250	270
Slate	270	285
Sand	285	400
Slate	400	405
Sand	405	430
Slate	430	435
Sand	435	530
Slate	530	610
Sand	610	695
Slate	695	725
Sand	725	810
Slate	810	978
✓ Salt Sand	978	1433
Slate	1433	1462G/S1085'
✓ Sand Maxton?	1462	1505 ^{AB}
Slate	1505	1512
Little Lime	1512	1544
Pencil Cave	1544	1550
✓ Big Lime	1550	1705
✓ Sand Injun	1705	1735
Slate & Shells	1735	2133
✓ Brown Shale	2133	2153
✓ Berea Grit	2153	2157
Slate & Shells	2157	3845
Brown Shale	3845	3980
Slate & Shells	3980	4520
✓ Brown Shale	4520	4855SLM
✓ Corniferous Lime	4855SLM	4969SLM
✓ Oriskany Sand	4969SLM	5007G/S4988'
Lime Break	5007	5017
✓ Oriskany Sand	5017	5033
Lime	5033	5046
Total Depth		5046

4855	4969	5033
878	878	878
3977	4091	4155

Cement Record: 9-3-41 Mudded 10-3/4" Csg.
 Dumped red mud in hole with dump bailer.
 Picked pipe up and set back down in mud.
 9-18-41 Cemented 8-5/8" Csg. Ran 84 sacks of
 Alpha Cement and 1 sack of Aquagel. 20' solid
 cement in pipe.
 11-6-41 Cemented 7" Csg. Ran 12 Sacks Alpha
 cement in dump bailer. Picked pipe up & set
 back on bottom. 55' cement in pipe.
 Haliburton Oil Well Cementing Co. and
 Columbian Carbon Crew.
 Walter Riley Cementer.