



W - 3.03
S - 1.69

New Location X
Drill Deeper
Abandonment

B. 18 ~ P. 32

Company COLUMBIAN CARBON CO.
 Address BOX 1240-CHARLESTON - W.VA.
 Farm LEONARD C. HANNA
 Tract _____ Acres 213 Lease No. T-1370
 Well (Farm) No. _____ Serial No. _____
 Elevation (Spirit Level) 753.5
 Quadrangle CHARLESTON - N.E.
 County KANAWHA District ELK
 Engineer James N. Sell
 Engineer's Registration No. 772
 File No. _____ Drawing No. _____
 Date DEC. 1, 1939 Scale 1" = 1320'

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

WELL LOCATION MAP
 FILE NO. KAN-674

+ 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.

6-6-192

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

Permit No. Kan-674
Charleston Quad.

Gas Well

Company Columbian Carbon Co.
Address Box 1240, Charleston, W. Va.
Farm Leonard C. Hanna ACRES 213
Location Coopers Creek
Well No. 1 (GW-444) ELEV. 758.4 DF
District Elk - Kanawha County
Surface & Mineral Leonard C. Hanna, et al
Address Charleston, W. Va.
Commenced Dec. 21, 1939
Completed March 24, 1940
Shot 3/24/40 - Depth 4862-4888
Volume 2,937,000 c.f.
Rock Pressure 590 lbs. 4 days
Fresh Water 55 hole full
Salt Water 958 hole full

CASING & TUBING

	14	41-4	41-4
10-3/4	329		ulled
8-5/8	1441-7		1441-7
7	4786-5		4786-5
2-3/8	4939-11		4939-11
5 13#	93-6		93-6

No packer

Clay	0	35
Sand	35	60
Slate	60	160
Sand	160	203
Slate	203	225
Sand	225	238
Slate	238	250
Sand	250	275
Slate	275	290
Coarse Sand	290	320
Sand Lime	320	332
Slate	332	352
Sand	352	400
Slate	400	505
Sand	505	525
Slate	525	535
Sand	535	565
Slate	565	590
Sand	590	690
Slate	690	715
Sand	715	730
Slate	730	810
Sand	810	835
Slate	835	870
Salt Sand	870	1215
Slate	1215	1218
Sand	1218	1294
Slate	1294	1333
Maxton Sand	1333	1372
Slate	1372	1384
Little Lime	1384	1424
Big Lime	1424	1578
Big Injun Sand	1578	1601
Slate & Shells	1601	1625
Broken Sand	1625	1800
Slate & Shells	1800	2926
Lime Shell	2926	2936
Slate Shells	2936	3220
Slate Shells	3220	3505
Brown Slate	3505	3535
Slate Shells	3535	3655
Brown Shale	3655	3744
White Slate	3744	4334
Brown Shale	4334	4640

FW 53 HF

White Slate	4640	4684
Black Shale	4684	4737
Corniferous Lime	4737	4949
Oriskany	4949	4891
Lime	4891	4899
Oriskany	4899	4917
Black Lime	4917	4924

Total Depth 4924

Pay: 4862-73

CEMENT RECORD: 1/21/40 cemented 8-5/8 casing. Ran 86 sacks cement with 2% Aquagel. Ran 6 sacks Aquagel ahead of cement. 7' cement in pipe. Dick Allen, Cementer - Halliburton Oil Well Cementing Company.

3/8/40 cemented 7" casing. Ran 10 sacks Alpha cement - dumped in hole with dump bailer & pipe set through it. 30' solid cement in pipe. Ben Simonton, Cementer

Sh.Gas 876
HF 958