



Company	Columbian Carbon Co.
Address	Box 1240, Charleston, W. Va.
Farm	W.B. Fogarty, et al.
Tract	Acres $149\frac{3}{4}$ Lease No. C-214
Well (Farm) No.	1 Serial No.
Elevation (Spirit Level)	900
Quadrangle	Charleston NE
County	Kanawha District Elk
Engineer	James N. Sell
Engineer's Registration No.	772
File No.	Drawing No.
Date	7-13-37 Scale 1"=40P

STATE OF WEST VIRGINIA
 Department of Mines
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 File No. KAN-430

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

WELL RECORD

Permit No. Kan-430

Charleston N. E. Quad.

GAS WELL

CASING & TUBING

Company	Columbian Carbon Co.	14"	42-4	42-4
Address	Box 1240, Charleston, W. Va.	10-3/4	454-9	pull 46
Farm	W. B. Fogarty ACRES 149-3/4	8-5/8	1609-7	1609-7
Location	Coopers Creek	6-5/8	4938-10	4938-10
Well No.	1 (G-398) ELEV. 910.9 D.F.	2-3/8	5121-1	5121-1
District	Elk County Kanawha	Liners:		
Surface & Mineral Address	W. B. Fogarty, et al, 705-6th St., Charleston, W. Va.	3 1/2 Plain	51-11	51-11
Drilling commenced	June 22, 1938	3 1/2 Perf.	41	41
Drilling completed	Oct. 16, 1938	No Packer		
Date shot	10/17/38 - Depth 5030-5057	Casing Cemented:		
Open Flow	-	See Below		
Volume	2,053,400 c. f.			
Rock Pressure	100# - 15 Hrs. - 1055# - 5 days			
Salt Water	1155 HW			

FORMATION	COLOR	HT	TOP	BASE	RESULT	FORMATION	COLOR	HT	TOP	BASE	RESULT
Red Rock			0	68		Corniferous Lime			SLM-4902	5019	SLM
Slate			68	80		Criskany Sand			SLM-5019	5085	per sam- ple exam.
Sand			80	120							
Slate			120	150		Lime <i>Rock</i>			5085	5105	SLM
Red Rock			130	160							Gas 5025
Slate			160	195							show
Sand			195	210		Total Depth				5105	Pay 5030
Slate			210	245							show
Sand			245	273							Pay 5030-5055
Slate			273	340							
Sand			340	395		CEMENT RECORD: 7/24/38 Cemented 8-5/8" casing. Ran 80 sacks of Alpha cement mixed with 1 sack Aquagel. 5 sacks Aquagel ran ahead of cement. Plug between Aquagel and cement. Ran 10' spacer. Casing went back to bottom. 14' solid cement left in pipe.					
Slate			395	405		John Stewart, Cementer - Halliburton Oil Well Cementing Company.					
Sand			405	425							
Slate			425	470							
Sand			470	490							
Slate			490	580							
Sand			580	600							
Slate			600	645							
Sand			645	687							
Slate			687	740							
Sand			740	840							
Slate			840	855							
Sand			855	887							
Slate			887	945							
Sand			945	1002							
Slate			1002	1011							
Sand			1011	1025							
Slate			1025	1056							
Salt Sand			1056	1460	G-1146 sh.						
Slate			1460	1475	W-1555 HF						
Moxton Sand			1475	1549							
Slate			1549	1552							
Little Lime			1552	1580							
Slate			1580	1582							
Lime Shell			1582	1588							
Pencil Cave			1588	1590							
Big Lime		SLM	1590	1764	G-1738 small						
Big Injun Sand			1764	1840							
Block Lime			1840	1860							
Slate & Shells			1860	3384							
Brown Shale			3384	3550							
Slate			3550	3890							
Brown Shale			3890	4076							
White Slate			4076	4512							
Brown Shale			4512	4815							
White Slate			4815	4845							
Brown Shale			4845	4877							
Black Shale			4877	4902	SLM						