



Handwritten notes: 11/42, 0.28 W, 3.71

Company	Columbian Carbon Co.
Address	Box 1240, Charleston, W.Va.
Farm	Clarence B. Cavender et al
Tract	Acres 114 Lease No. C-303
Well (Farm) No.	1 Serial No.
Elevation (Spirit Level)	992.1
Quadrangle	Charleston
County	Kanawha District Union
Engineer	J.N. Sell
Engineer's Registration No.	772
File No.	Drawing No.
Date	8-17-37 Scale 1"-660'

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

WELL LOCATION MAP
 File No. KAN-458

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.

WEST VIRGINIA DEPARTMENT OF MINES

OIL AND GAS DIVISION

WELL RECORD

Permit No. Kan-458

Gas Well

Charleston Quad.

CASING & TUBING

Company	Columbian Carbon Co.	14	43'5"	43'5"
Address	Box 1240, Charleston, W.Va.	10 ³ / ₄	431'5"	Pulled
Farm	Clarence Cavender Acres 114	8 5/8	1755'10"	1755'10"
Location	Kanawha Two Mile Creek	6 5/8	5045'10"	5045'10"
Well No.	1 (GW-405) Elev. 995.9 df	3 ¹ / ₈	75	75
District	Union County Kanawha	2 3/8	5146'5"	5146'5"
Surface Address	Clarence B. & Mabel Cavender, Route #5 Charleston, W.Va.	CASING CEMENTED--See note below.		
Mineral(Oil&Gas)	Clarence Cavender, et al	Coal was encountered at 590'24".		
Portion Coal	A.J.Brueen, 19E. 83rd St., N.Y.			
Drilling	Commenced Sept. 2, 1937			
	Completed Dec. 18, 1937			
Date Shot	12-19-37 Depth 5110-5130			
Volume	4,351,000 Cu.Ft.			
Rock Press.	1255# 1 hrs.			

Formation	Color	Top	Base	Result	Formation	Color	Top	Base	Result
Soil		0	26		TOTAL DEPTH			5179	
Slate		26	50						
Red Rock		50	70						
Slate		70	175						
Red Rock		175	190						
Slate		190	410						
Sand		410	460						
Shells		460	490						
Slate		490	500						
Lime		500	528						
Sand		528	590						
Coal		590	592						
Sand		592	633						
Slate		633	638						
Sand		638	700						
Slate&Shells		700	829						
Sand		829	925						
Slate		925	982	Water					
Salt Sand		982	1458	1175'					
Slate		1458	1460	2-10"					
Lime		1460	1494	Bail.					
Slate		1494	1500	pr.hr.					
Lime		1500	1512						
Maxon Sand		1512	1584	Water					
Slate		1584	1587	1242'					
Lime		1587	1605	HFV					
Sand		1605	1672	Water					
Slate		1672	1674						
Little Lime		1674	1708	1896'					
Pencil Cave		1708	1718	1 Blr.					
Big Lime		1718	1869	pr.hr.					
Injun Sand		1869	1909						
Slate		1909	1927						
Shells		1927	1936						
Slate&Shells		1936	2274						
Berea Grit		2274	2283	Gas					
Shells & Slate		2283	2380	Small					
Shell		2380	2402	Show					
Slate & Shells		2402	3990	2277'					
Shale	Brown	3990	4150						
Slate&Shells		4150	4650						
Shale	Brown	4650	4922						
Slate	White	4922	4945						
Shale	Brown	4945	4989						
Comiferous Lime		4989	5101						
Oriskany Sand		5101	5175						
Lime		5175	5179	Gas Pay	5111-5118				