



0619 75' bc  
 38° 32' 3" 2665 5.545  
 81° 30' 980 980  
 rd

Company	Columbian Carbon Co.
Address	Box 1240- Charleston- W.Va.
Farm	F.A. Hughart
Tract	Acres 52 Lease No. C-243
Well (Farm) No.	1 Serial No.
Elevation (Spirit Level)	940.0
Quadrangle	Kenna- S. E. <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">SE</span>
County	Kenawha District Elk
Engineer	James N. Sell
Engineer's Registration No.	772
File No.	Drawing No.
Date	May 27, 1937 Scale 1" - 20 P.

STATE OF WEST VIRGINIA  
 Department of Mines  
 OIL AND GAS DIVISION  
 CHARLESTON  
 WELL LOCATION MAP  
 File No. KAN-386

+ 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

Permit No. Kan-386

W E L L R E C O R D

Gas Well

Kenna Quad.

CASING & TUBING

Company	Columbian Carbon Co.	14	42'4"	42'4"
Address	Box 1240, Charleston, W.Va.	10 $\frac{3}{4}$	533'11"	Pulled
Farm	F.A. Hughart Acres 52	8 $\frac{5}{8}$	1386'6"	1386'6"
Location	Bat Branch Aarons Fork	6 $\frac{5}{8}$	5057'9"	5057'9"
Well No.	1 (GW-392) Elev. 936.9 d.f.	3 $\frac{1}{2}$	118'	118'
District	Elk County Kanawha	2 $\frac{3}{8}$	5225'2"	5225'2"
Surface Address	F.A. Hughart, 1230 $\frac{1}{2}$ Bigley Ave., Charleston, W.Va.	PACKER		
Mineral Address	F.A. Hughart & Glenn Oil & Gas Co. Charleston, W.Va.	Kind	Conical Sleeve OWS Swabbing type.	
Drilling	Commenced 8-20-37	Size	2 x 6 $\frac{5}{8}$	
	Completed 1-1-38	Depth	5097	
Date Shot	1-1-38	CASING RECORD: See		
Volume	2,235,600 Cu. Ft.	below		
Rock Press.	1210# 70 $\frac{1}{2}$ hrs.			

Formation	Color	Top	Base	Result	Formation	Color	Top	Base	Result
Sand		0	15		Corniferous Lime		5010	5130	
Red Rock		15	35		Oriskany		5130	5200	Gas
Sand		35	95		Lime		5200	5215	2102
Red Rock		95	190	Water	TOTAL DEPTH		5215		Est.
Slate & Lime		190	245	105'					100M
Red Rock		245	285	2 Blr.					Show
Slate & Lime		285	320	pr. hr.					Gas
Sand		320	347						2264
Red Rock		347	373						Gas
Lime Sand		373	470						Pay
Sand		470	518						5142-
Slate		518	525						42 $\frac{1}{2}$
Lime Sand		525	550						Gas
Slate		550	560						Pay
Sand		560	610						5150-
Slate		610	690						5156
Sand & Lime		690	705						
Slate		705	735						
Sand		735	815						
Slate		815	862						
Sand		862	900						
Slate		900	1010						
Lime		1010	1036						
Slate		1036	1108	Show					
Salt Sand		1108	1388	Gas					
Slate		1388	1405	1112					
Lime & Slate		1405	1452						
Sand		1452	1600	Show					
Slate		1600	1632	Gas					
Little Lime		1632	1650	1165					
Pencil Cave		1650	1652						
Big Lime		1652	1810	Water					
Big Injun		1810	1840	1180					
Slate & Shells		1840	3443	HFV					
Slate	Brown	3443	3530						
Slate	White	3530	3790	Show					
Slate	Brown	3790	3800	Gas					
Slate	White	3800	3935	1725					
Shale		3935	3986						
Slate	Brown	3986	4145	Show					
Slate	White	4145	4550	Gas					
Slate	Brown	4550	4744	1725					
Shale	Brown	4744	4836						
Slate	Brown	4836	4900	Show					
Slate	White	4900	4922	Gas					
Slate	Brown	4922	4971	1810-					
Shale	Black	4971	5010	1815					

CASING RECORD: 9/26/37-Ran 85 sacks  
Alpha cement with 2% Aquagel solution-  
Ran 4 sacks Aquagel ahead of cement. Ran  
10' spacer. Pipe lacked 1' going to bottom.  
(Lee Smart, Cementer, Halliburton Oil  
Well Cementing Co.)

12/10/37- Ran 25 sacks Alpha Cement in  
6 5/8 " casing. 35' cement left in pipe.  
(R.B. Morrison, Cementer- Halliburton Oil  
Well Cementing Co.)