



Company Columbian Carbon Co.
 Address Box 1240, Charleston, W.Va.
 Farm L. P. Rollins
 Tract Acres 87 Lease No. C-583
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 919'
 Quadrangle Kenna S. C.
 County Kanawha District Poca
 Engineer James N. Sell
 Engineer's Registration No. 772
 File No. _____ Drawing No. _____
 Date April 20, 1938 Scale 1"-660'

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

 WELL LOCATION MAP
 File No. Kan. 540

 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 & GAS DIVISION

W E L L R E C O R D

Permit No. Kan-540

Gas Well

Kenna S. E. Quad.

CASING & TUBING

Company	Columbian Carbon Co.	14"	40-2	40-2
Address	Box 1240, Charleston, W. Va.	10-3/4	730-0	pulled
Farm	L. P. Rollins ACRES 87	8-5/8	2012-7	2012-7
Location	Poca River	6-5/8	5067-1	5067-1
Well No.	1 (GW-413) ELEV. 905.62 DF	3-1/2	63-3	63-3
District	Poca County Kanawha	2-3/8	5235-5	5235-5
Surface & Mineral	L. P. Rollins & Sam Corey, Charleston & Sissonville, W.Va.	No packer		
Drilling commenced	June 7, 1938			
Drilling completed	Sept. 29, 1938			
Shot	Not shot			
Volume	3,508,000 c.f.			
Rock Pressure	1730 lbs. 37-1/4 hrs.			
Fresh Water	145' - 1/2-13" bailer per hr.			
Calc Water	935' 1/2-13" blr. pr. hr.			
	1395' 2-10" blr. per. hr.			
	1495 HFV			

Formation	Color	Top	Base	Result	Formation	Color	Top	Base	Result
Clay		0	10		White Slate		4925	4935	
Yellow Sand		10	35		Brown Shale		4935	4960	
Red Rock		35	65		Black Shale		4960	5010	
White Slate		65	86		Black Lime		5010	5019	SLM G-
Red Rock		86	95		Corniferous Lime	SLM	5019	5129	" 5139-
Sand		95	135		Riskany Sand	"	5129	5174	* sm. sh.
Red Rock		135	140		Black Lime		5174	5182*	
Lime & Slate		140	290		Riskany Sand		5182	5186*	
Sand		290	325		Limey Sand		5186	5192*	
Slate		325	340		Riskany Sand		5192	5204*	
Red Rock		340	475		Black Lime		5204	5210*	
Slate		475	495		Total Depth			5210	
Red Rock		495	650						
Lime		650	660		*Per sample examination)				
Slate		660	720		Pay: 5139- not enough to gauge				
Sand		720	730		5152-5159				
Slate Shells		730	760		5187-5194 (doubtful)				
Sand		760	775		CEMENT RECORD:				
Slate & Shells		775	790		7-25-38 Cemented 8-5/8 casing.				
Sand		790	825		Ran 108 sacks Alpha Cement mixed				
Slate		825	855		with 2% solution Aquagel. 5 sacks				
Sand		855	890		Aquagel run ahead of cement. 2				
Slate & Shells		890	932		plugs & 1 - 10' spacer. Pipe went				
Sand		932	980		back to bottom O.K. Plug stopped				
Slate		980	1010		at 1983'. 15' solid cement left in pipe.				
Sand		1010	1058		(John Stewart, Cementer - Halliburton				
Slate		1058	1070		Oil Well Cementing Co.)				
Sand		1070	1107		9-7-38 Cemented 6-5/8 casing.				
Slate		1100	1290		Ran 40 Sacks Alpha Cement. 10' Spacer				
Sand		1290	1315		run ahead of cement. 15' solid cement				
Slate		1315	1320		left in pipe.				
Salt Sand		1320	1760		(Dallas Holley, Cementer - Halliburton				
Lime Black		1760	1780		Oil Well Cementing Co.)				
Sand		1780	1820						
Big Lime		1820	1912						
Big Injun Sand		1912	1978						
Slate		1978	1981						
Black Lime		1981	1985	SLM					
Slate & Shells		1985	2360						
Brown Shale		2360	2368	G 2370 sm. show					
Berea Grit Shell		2368	2375						
Slate & Shells		2375	3580						
Brown Shale		3580	3640						
Slate & Shells		3640	3890						
Brown Shale		3890	3930						
Slate & Shells		3930	4045						
Brown Shale		4045	4225	G-4150 sm. show					
Slate & Shells		4225	4695						
Brown Shale		4695	4925						