



ABD  
7/44  
W - 1.2  
S - 1.66

New Location   
 Drill Deeper   
 Abandonment

p. 434 2NE (J-5) 1.1 MILES SOUTH OF LEGG

Company COLUMBIAN CARBON CO.  
 Address BOX 1240-CHARLESTON - W.VA.  
 Farm J. H. HIGH  
 Tract \_\_\_\_\_ Acres 166 Lease No. C-389  
 Well (Farm) No. ONE Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 694.3  
 Quadrangle CHARLESTON (2) N.E.  
 County KANAWHA District POCA  
 Engineer J. M. Sell  
 Engineer Registration No. 772  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date MARCH 20, '41 Scale 1" = 1320'

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

WELL LOCATION MAP  
 FILE NO. KAN-797

+ 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.

Deep Well

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

Permit No. Kan-797  
Charleston Quad.

Gas Well

Company                   Columbian Carbon Co.  
Address                   Box 1240, Charleston, W. Va.  
Farm                      J. H. High   ACRES 166  
Location                  Sigmon Fork  
Well No.                  1 (GW-479)   ELEV. 700.1 DF  
District                  Poca - Kanawha County  
Surface & Mineral        J. H. High, et al (Contact Columbian  
                                  Carbon Co. for addresses)  
Commenced                4/1/41 - completed 6/19/41  
Shot                      6/20/41 - depth 4813-4873  
Volume                    421,000 c.f.  
Rock Pressure            560 lbs. 11 days  
Fresh Water              1'; 93' 2-11½ blrs. per hr.; 220 HF  
                              328' 1½ 10" blrs. per hr.  
Salt Water                950 H Filling up; 1000' HF  
                              4820-24 1 gal. per hr.

CASING & TUBING  
14           21-5           21-5  
10-3/4       267-5           pulled  
8-5/8        1689-6           1689-6  
7             4750-8           4750-8  
2-3/8        4882-8           4882-8  
3-1/2         91-6             91-6

No packer

Gravel	0	18	FW 1	Brown Shale	4390	4688	
Blue Slate	18	28		Black Shale	4688	4701	SLM
Red Rock	28	80		Corniferous Lime	SLM4701	4805	SLM
Sand	80	95	FW 93	Oriskany Sand	SLM4805	4821	SW 4820-24
Slate	95	185		White Lime	4821	4892	
Red Rock	185	195		Total Depth		4892	
Slate	195	218					
Sand	218	257	FW 220 HF	PAYS: 4813-30; 4835-42; 4855-60; 4863-64			
Blue Slate	257	261					
Lime	261	277		CEMENT RECORD:			
Blue Slate	277	289		4/29/41 - Cemented 8-5/8 csg. Ran 115 sacks			
Slate&Shells	289	322		Alpha cement mixed with 2 sacks Aquagel.			
Sand	322	340	FW 328	Obtained circulation of water before all			
Slate	340	350		cement was in pipe. Pipe went back to			
Sand	350	390		bottom. 35' solid cement in pipe.			
Slate	390	400		S. K. Johnson, Cementer, Halliburton Oil			
Sand	400	510		Well cementing Co.			
Slate	510	565					
Sand	565	590		5/22/41 - 8-5/8 pipe line out 936' SLM.			
Slate	590	702		Cement squeeze job. Ran 25 sacks Alpha			
Sand	702	722		cement mixed with 2% gelatin pumped behind			
Slate	722	850		8-5/8 - pressure 1000#			
Sand	850	885		F. M. Mills, Cementer, Halliburton Oil Well			
Slate	885	890		Cementing Co.			
1st Salt Sand	890	1032	SW 950				
Slate	1032	1037	SW 1000	5/27/41 - Second cement squeeze job on 8-5/8			
2nd Salt Sand	1037	1265		Unable to obtain circulation down 8" at			
Slate	1265	1271		1000# pressure. Hole in casing at 936' SLM.			
Maxton Sand	1271	1337		Ran plug ahead of bailer to 940', then ran			
Slate	1337	1356		2" tubing to approximately 930' and put 10			
Lime	1356	1371		bags of Alpha cement through the tubing			
Sand	1371	1394		and on top of the plug. Pulled the tubing			
Slate	1394	1400		and pumped 16 gallons of water down the			
Little Lime	1400	1434		8" under 1025# pressure. Left the pressure			
Slate	1434	1436		on the 8" for 72 hours.			
Black Lime	1436	1444		S. K. Johnson, Cementer, Halliburton Oil			
Big Lime	1444	1600		Well Cementing Co.			
Big Injun Sand	1600	1634					
Slate	1634	1640		6/8/41 - Cemented 7" casing. Ran 13 sacks			
Sandy Lime	1640	1650	SLM	Alpha cement with dump bailer. Picked pipe			
Black Lime	SLM 1650	1750		up 20' and set back in cement. 80' cement			
Slate&Shells	1750	2050		in hole. Cemented by Columbian Carbon			
Berea Sand	2050	2074		Company crew.			
Slate & Shells	2074	3370					
Grey Lime	3370	3470					
Slate & Shells	3470	3593					
Brown Shale	3593	3621					
Slate&Shells	3621	3705					
Brown Shale	3705	3898					
Slate&Shells	3898	4390					