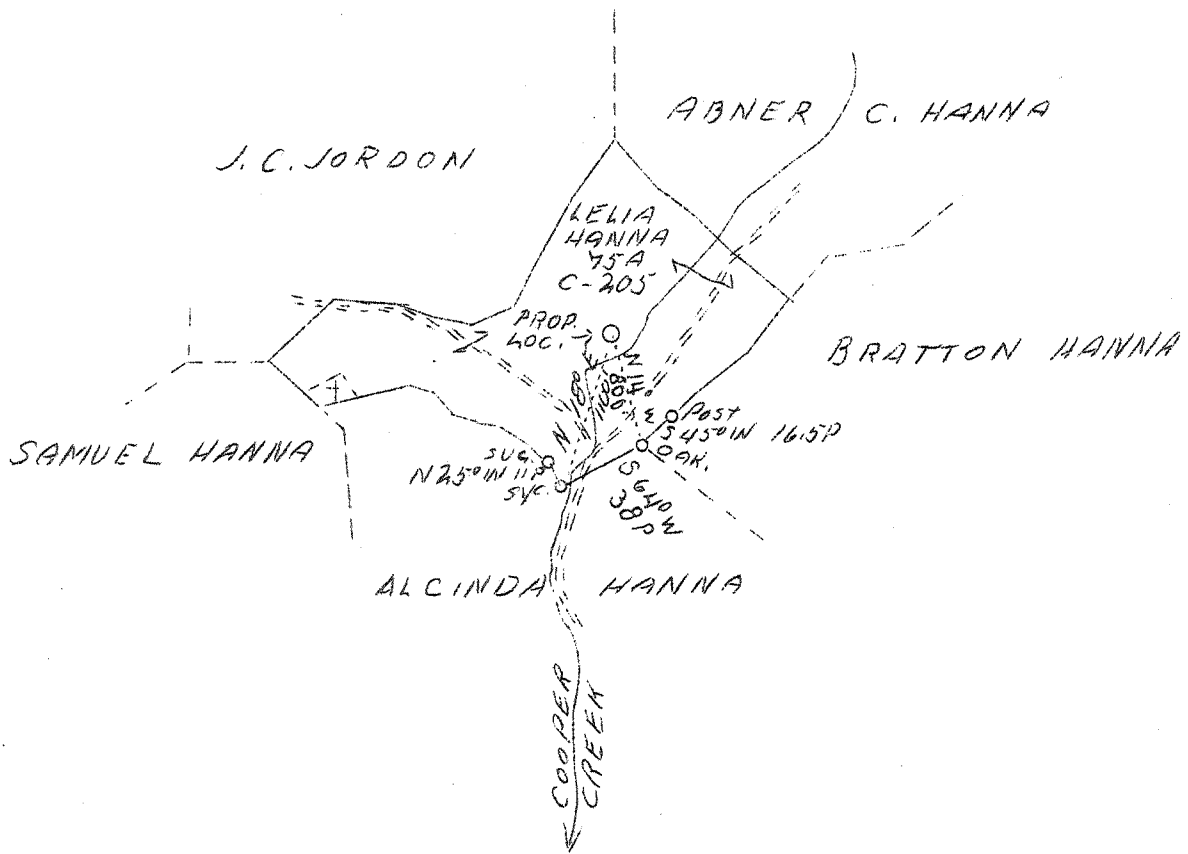


LATITUDE 38° 30'

LONGITUDE 81° 30'



3.48 W  
2.29 S

7.5' OGIS Loc. <sup>sch</sup> 15'  
38°30' 2.20s 2.20s  
81°32'30" 1.09w 3.35w

New Location

Company Columbian Carbon Co.  
 Address Box 1240, Charleston, W. Va.  
 Farm Lelia Hanna  
 Acres 75  
 Lease No. C-205  
 Well (Farm) No. 1  
 Elevation (SL) 697.0-L  
 Quadrangle Charleston N. E.  
 County Kanawha  
 District Elk  
 Engineer James N. Sell  
 Eng. Reg. No. 772  
 Date May 18, 1939  
 Scale 1" = 1320'

STATE OF WEST VIRGINIA  
 Department of Mines  
 OIL & GAS DIVISION  
 Charleston

WELL LOCATION MAP

File No. Kan-631

x Denotes location of well on U. S. 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-631

Gas Well

Charleston N. E. Quad.

CASING & TUBING

Company	Columbian Carbon Co.	14	17	17
Address	B-124C, Charleston, W. Va.	10-3/4	275-9	275-9
Farm	Lelia Hanna ACRE\$ 75	8-5/8	1393-3	1393-3
Location	Coopers Creek	6-5/8	4702-2	4702-2
Well No.	1 (GW-427) ELEV. 701.6 DF	2-3/3	4866-6	4866-6
District	Elk - County Kanawha	5 OD 13#	70-2	70-2
Surface & Min. Address	Lelia & Samuel Hanna 530 1/2 Wyoming St., Charleston, W.Va.			
Commenced	June 8, 1939	No packer		
Completed	10/11/39			
Shot	10/11/39 - Depth 4786-4847			
Volume	1,850,000 c.f.			
Rock Pressure	1015 lbs. 24 hrs.			
Salt Water	855' 1-10" Bailer per hr. 393 HFW			

Formation Color	H <sub>2</sub> O	Top	Base	Result	Formation Color	H <sub>2</sub> O	Top	Base	Result
Surface		0	14						
Gravel		14	17						
Sand		17	30						
Blue Mud		30	40						
Sand		40	30						
Slate		30	105						
Sand		105	160						
Slate		160	190						
Sand		190	210						
Slate		210	215						
Sand		215	230						
Slate		230	265						
Sand		265	285						
Slate		285	500						
Sand		500	600	Gas 505 Sh. Show					
Slate & Shells		600	725						
Sand		725	755						
Slate		755	768						
Sand		768	872	W 355 1-10" Blr.					
Slate		872	877						
1st Salt Sand		877	1130	HFW 890					
Slate		1130	1140						
2nd Salt Sand		1140	1229						
Slate		1229	1260						
Maxton Sand		1260	1303						
Slate		1303	1325						
Little Lime		1325	1360						
Pencil Cave		1360	1365						
Big Lime		1365	1530						
Big Injun Sand		1530	1555						
Slate & Shells		1555	2090						
White Slate		2090	3195						
Brown Slate		3195	3205						
White Slate		3205	3490						
Brown Slate		3490	3505						
White Slate		3505	3635						
Brown Slate		3635	3760						
White Slate		3760	4310						
Brown Shale		4310	4590						
White Slate		4590	4620						
Brown Shale		4620	4673	SLM					
Corniferous Lime	SLM	4673	4781	SLM					
Oriskany Sand	SLM	4781	4850						
Black Lime	H	4850	4855	SLM					
Total Depth			4855	SLM					

WATER WELL

Drilled to Total depth of 163'  
Ran 17' of 8-5/8"

CEMENT RECORD

7/9/39 Cemented 8-5/8" Casing. Ran  
90 Sacks Alpha cement mixed with 2%  
Aquagel - 4 Sacks Aquagel mixed with  
5% solution. Plug on top of Aquagel  
and plug on top of cement without  
spacer. 8' solid cement in hole.  
R. H. Allen, Cementor - Halliburton  
Oil Well Cementing Company.

9/25/39 Cemented 6-5/8" Casing. Ran  
25 Sacks Alpha cement. Plug spaced  
4671' - Ran 10' spacer on top plug.  
15' solid cement in hole.  
R. H. Allen, Cementor - Halliburton  
Oil Well Cementing Company.