



ABD
6/44
1.73 W
V.O. 12

Company	Columbian Carbon Co.
Address	Box 1240, Charleston, W. Va.
Farm	Nora Hamilton, et al
Tract	Acres 61 Lease No. C-241
Well (Farm) No.	1 Serial No.
Elevation (Spirit Level)	1003'
Quadrangle	Kenna 5E
County	Kanawha District Elk
Engineer	James N. Sell
Engineer's Registration No.	772
File No.	Drawing No.
Date	7-20-37 Scale 1"-40P.

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

WELL LOCATION MAP

File No. KAN-433

⊕ 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-433

Gas Well

Konna Quad.

CASING & TUBING

Company	Columbian Carbon Co.	14"	44'7"	44'7"
Address	Box 1240, Charleston, W.Va.	10 $\frac{3}{4}$ "	488'11"	Pulled
Farm	Nora Hamilton (C-241) Acres 61	8 5/8"	1743'3"	1743'3"
Location	Branch of Aarons Fork	6 5/8"	5094'7"	5094'7"
Well No.	1 (GW-400) Elev. 1005.9 DF	3 $\frac{1}{2}$ "	86'10"	86'10"
District	Elk County Kanawha	2 3/8"	5264'5'	5264'5"
Surface Address	Nora Hamilton & J.W.Hamilton Big Chimney, W.Va.			
Mineral Address	Same and Glenn Oil & Gas Co. Charleston, W.Va., Alex J. Bruen, Jr. 19 E. 83rd St., New York City	CASING CEMENTED SEE BELOW.		
Drilling	Commenced Nov. 6, 1937 Completed Feb. 27, 1938			
Date Shot	2/27/38	Depth 5179-5241		
Volume	586,440 Cu.Ft.			
Rock Press.	1130# 44 hrs.			

Formation	Color	Hor	TOP	Base	Result	Formation	Color	Hor	TOP	Base	Result
Red Rock			0	30		CEMENT RECORD: 12-16-37-- Cemented 8 5/8" casing. Ran 85 sacks Alpha Cement mixed with 2% Aquagel. Ran 4 sacks Aquagel ahead of cement. 16' cement left in hole. (Mills, Cementer-- Halliburton Oil Well Cementing Co.)					
Sand			30	90		2-5-38 Cemented production string 6 5/8" casing. Ran 25 sacks Alpha cement. Ran 10' spacer ahead of last plug. 20' hard cement left in hole. (Holley, Cementer-- Halliburton Oil Well Cementing Co.)					
Red Rock			90	230							
Sand			230	280							
Red Rock & Shells			280	467							
Sand			467	540							
Slate & Shells			540	610							
Sand			610	700							
Slate			700	725							
Sand			725	775							
Slate & Shells			775	800							
Sand			800	885							
Slate & Shells			885	960							
Sand			960	992							
Slate			992	995							
Sand			995	1015							
Slate	Black		1015	1125							
Sand			1125	1168							
Slate			1168	1172	Sh. Gas						
Salt Sand			1172	1662	1240						
Slate			1662	1674	Water						
Little Lime			1674	1713	1310						
Slate			1713	1714	Hole Full						
Big Lime			1714	1870							
Keener Sand			1870	1900							
Slate & Shells			1900	4000	Sh. Gas						
Shale	Brown		4000	4130	1736						
Slate	White		4130	4635							
Shale	Brown		4635	4950							
Slate	White		4950	4985							
Shale	Black		4985	5054	SLM						
Coniferous Lime			5054	5169	SLM						
Criskany Sand			5169	5247							
Lime	Black		5247	5253							
TOTAL DEPTH					5253	1st Pay					
						5181-92					
						2nd Pay					
						5196-					
						5200					
						3rd Pay					
						5235-					
						5239					