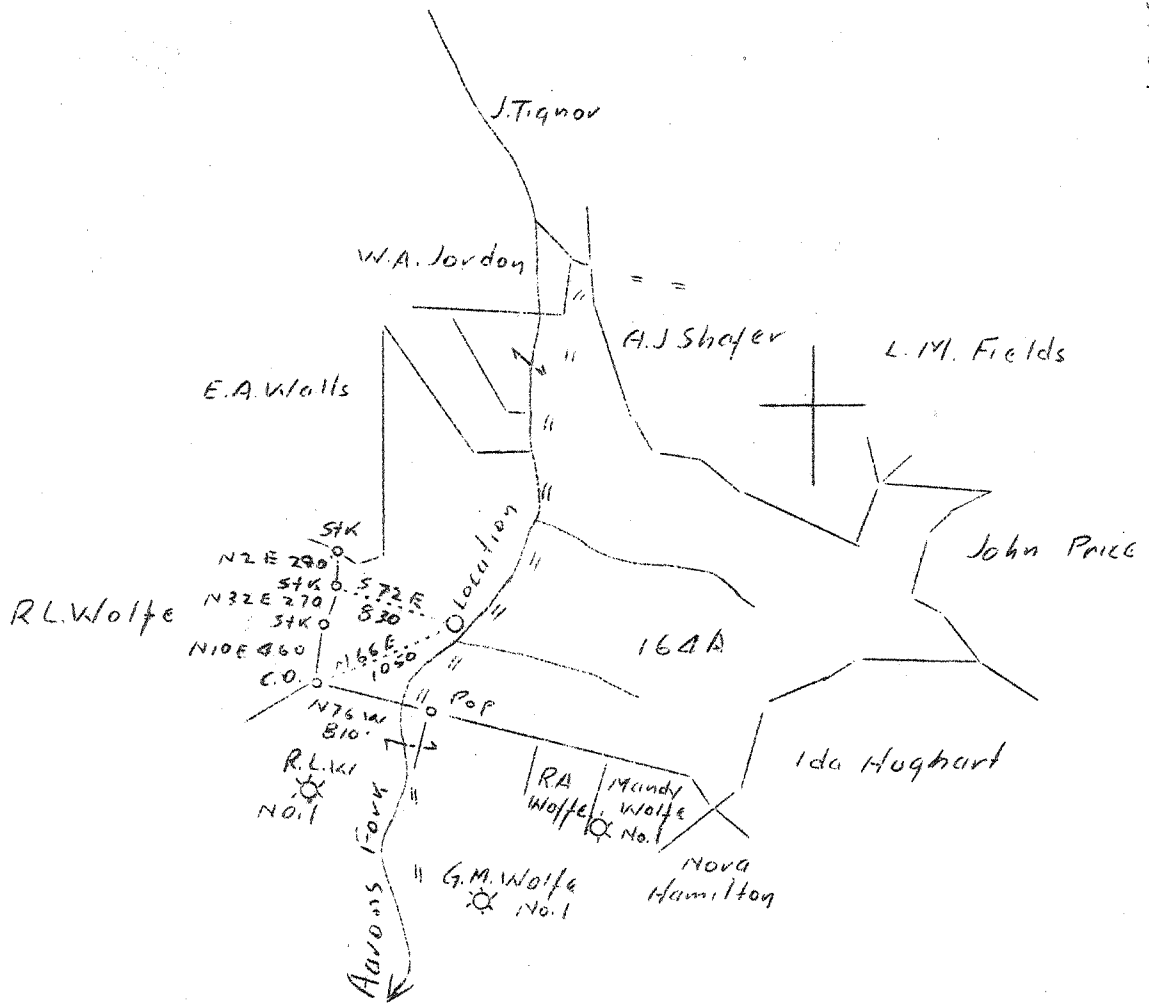


LATITUDE 38° 35'

LONGITUDE 81° 30'



2.02 W
H.60 S

Company	Columbian Carbon Co.
Address	Box 1240, Charleston, W.Va.
Farm	B.F. Jones
Tract	Acres 164 Lease No. C-207
Well (Farm) No.	1 Serial No.
Elevation (Spirit Level)	827'
Quadrangle	Kenna J.E.
County	Kanawha District Elk
Engineer	James N. Scoll
Engineer's Registration No.	772
File No.	Drawing No.
Date	Feb. 23, 1938 Scale 1"=1320'

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

WELL LOCATION MAP

File No. KAN-521

+ 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.

5-6 122 Deep

WEST VIRGINIA DEPARTMENT OF MINES

OIL & GAS DIVISION

WELL RECORD

Permit No. Kan-521

Gas Well

Kenna S. E. Quad.

CASING & TUBING

Company	Columbian Carbon Company	14"	57'3"	57'3"
Address	Box 1240, Charleston, W. Va.	10-3/4	312'6"	Pulled
Farm	B. F. Jones Acres 164	8-5/8	1562'8"	1562'8"
Location	Aarons Fork of Little Sandy	6-5/8	4911'9"	4911'9"
Well No.	1 (GW-410) Elev. 830.6 DF	3-1/2	61'3"	61'3"
District	Elk County Kanawha	2-3/8	5079'11"	5079'11"
Surface Address	B. F. Jones, et al			
Mineral	1605 1/2 O'Dell Ave., Charleston, W. Va.			
	B. F. Jones, Charleston; W. F. Jones, et ux & C. A. Payne, et ux, Elkview W. Va.			
Drilling Commenced	3-18-38 - Completed 7-8-38			
Shot	Not shot			
Volume	2,214,666 c.f.			
Rock Pressure	1240# 14 hrs. 1400# 4 days			
Fresh Water	105' 5 12" Blrs. hr. - Salt Water 1145-60 HFV			

Formation Color ^{Har} 5' TOP Base Result Formation Color ^{Har} 5' TOP Base Result

Sand & Gravel	0	25							
Red Rock	25	35			Fresh Water	105'	5-12" Blrs.	per Hr.	
Sand	35	45			Pay 5001-5008				
Red Rock	45	55			" 5037-5038				
Sand	55	80							
Slate	80	95							
Sand	95	135							
Slate	135	175							
Red Rock	175	185							
Blue Slate	185	275							
Sand	275	285							
Slate	285	305							
Sand	305	320							
Slate	320	345							
Sand	345	415							
Slate & Shells	415	465							
Sand	465	540							
Slate	540	595							
Sand	595	617							
Slate	617	640							
Sand	640	720							
Slate	720	725							
Sand	725	755							
Slate	755	820							
Sand	820	855							
Slate	855	980							
Sand	980	1008							
Slate & Shells	1008	1102							
Salt Sand	1102	1445							
Slate	1445	1447							
Maxton Sand	1447	1485							
Slate	1485	1497							
Little Lime	1497	1529							
Pencil Cave	1529	1533							
Big Lime	1533	1685							
Big Injun Sand	1685	1718							
Slate & Shells	1718	3340							
Brown Shale	3340	3355							
Slate & Shells	3355	3800							
Brown Shale	3800	3867							
Slate & Shells	3867	3941							
Brown Shale	3941	3955							
Slate & Shells	3955	4495							
Brown Shale	4495	4765							
Slate & Shells	4765	4800							
Brown Shale	4800	4858	SLM						
Corniferous Lime	4858	4976							
Criskany Sand	4976	5029							
Lime	5029	5038							
Criskany	5038	5053							
Lime	5053	5057							
Total Depth		5057							

CEMENT RECORD: 4/19/38 Ran 75 Sacks Alpha Cement 8-5/8" Casing. Ran 4 Sacks 8% Aquagel solution ahead mixed with 1 Sack Cement. Pipe lacked 15" going back to bottom. 13' hard cement in hole. (Dallas Holley, Cementer - Halliburton Oil Well Cementing Company)

6-16-38 Ran 25 Sacks Alpha Cement 6-5/8" Casing. Ran 10' Spacer. 48' hard cement in pipe. (John Stewart, Cementer - Halliburton Oil Well Cementing Co.)

WATER WELL
Total Depth 125'
Fresh Water 85' - 7 - 8-5/8"
Bailers per 10 minutes
Ran 57'5" of 8-5/8" 24# Csg.

4858	4976	5053
831	831	831
4027	4145	4222