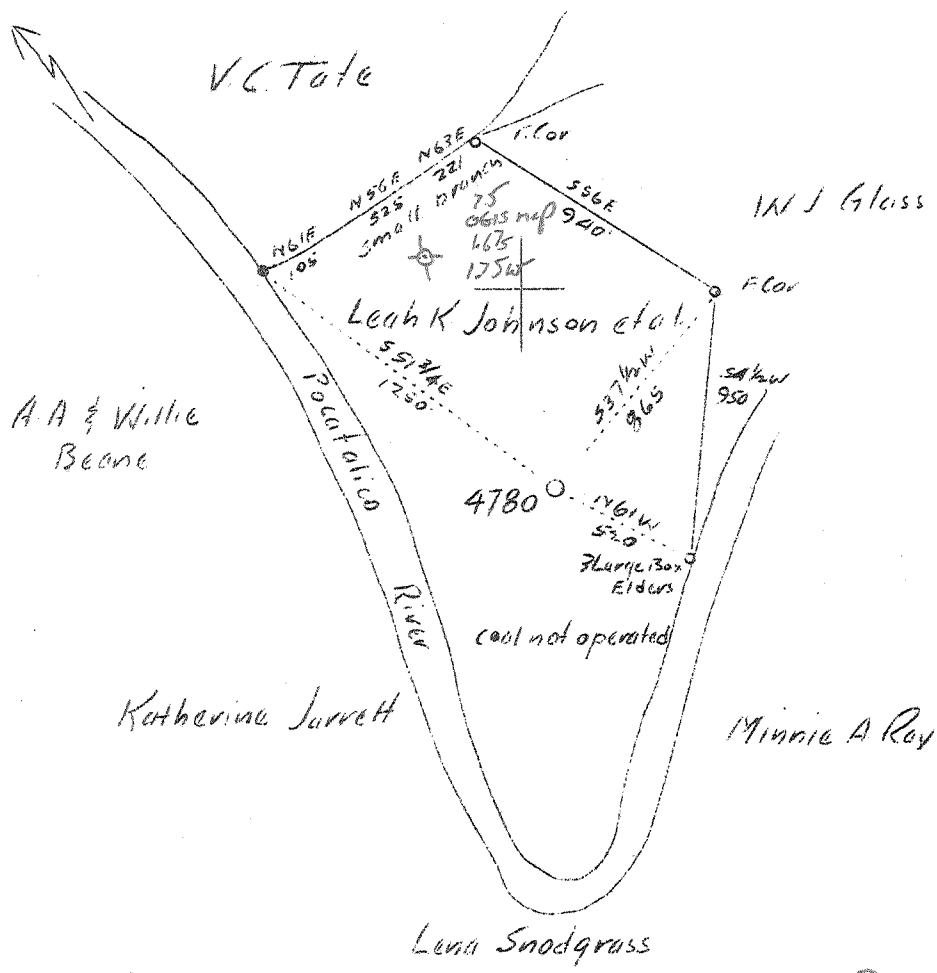


38° 32' 30"

LATITUDE 38° 35'

LONGITUDE 81° 35' 30"



1265 - Cunningham (chart)

ABD
ZHS
4.13 W.
4.58 S.

Company	United Fuel Gas Co.	STATE OF WEST VIRGINIA Department of Mines OIL AND GAS DIVISION CHARLESTON WELL LOCATION MAP File No. <u>KAN-481</u> + 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.
Address	Charleston, W.Va.	
Farm	Leah K. Johnson et al	
Tract	Acres 48 Lease No. 41937	
Well (Farm) No.	1 Serial No. 4780	
Elevation (Spirit Level)		
Quadrangle	Kenna (26.)	
County	Kanawha District Poca	
Engineer	G.A. Cunningham	
Engineer's Registration No.	659	
File No.	60-69 Drawing No.	
Date	Sept. 23, 1937 Scale 1"-660'	

Leah K. Johnson et al. no. 1 (4780)

WEST VIRGINIA DEPARTMENT OF MINES

OIL & GAS DIVISION

WELL RECORD

Permit No. Kan-481

Gas Well

Kenna Quad.

CASING & TUBING

Company	United Fuel Gas Co.	14	309	309
Address	Charleston, W. Va.	10	1482	1482
Farm	Leah K. Johnson, et al Acres 48	8-5/8	1768	1768
Location	Poca River	7	4728	4728
Well No.	4780 Elev. 663.05	2	4853	4853
District	Poca County Kanawha			
Surface & Mineral Address	Leah K. Johnson, et al Sissonville, W. Va.			
Drilling Commenced	Oct. 9, 1937			CASING CEMENTED: Size - 7" No. Ft. - 4687'
Drilling Completed	Feb. 11, 1938			
Date shot	No. shot			
Open Flow	6/10ths Merc. in 7"			
Volume	4,311,000 c.f.			
Rock Pressure	1585 lbs. 48 hrs.			
Shot Water	1068-1087-1680			

Formation Color ^{Has} TOP Base Result Formation Color ^{Has} TOP Base Result

Red Rock		00	80				
Sand		80	100				
Slate		100	160				
Red Rock		160	170				
Slate		170	190				
Sand		190	210				
Slate		210	240				
Red Rock		240	248				
Slate		248	270				
Lime		270	282				
Slate		282	325				
Sand		325	356				
Slate		356	387				
Sand		387	453				
Slate & Shell		453	571				
Sand		571	590				
Slate		590	605				
Sand		605	668				
Slate		668	735				
Sand		735	765				
Slate		765	780				
Sand		780	808				
Slate & Shell		808	948				
Gas Sand		948	1022				
Slate		1022	1027				
Salt Sand		1027	1473	Water	1068		
Slate		1473	1477	"	1087		
Little Lime		1477	1500				
Pencil Cave		1500	1503				
Big Lime		1503	1656				
Big Injun Sand		1656	1740	Oil	1675	Show	
Slate		1740	1758	Water	1680	Show	
Shells		1758	1763				
Slate & Shells		1763	2123				
Sand		2123	2135	Gas	2125	Show	
Slate & Shells		2135	3348				
Brown Shale		3348	3363				
Slate & Shells		3363	3780				
Brown Shale		3780	3925				
White Slate		3925	4380				
Brown Shale		4380	4671				
Corniferous Lime		4671	4777				
Oriskany		4777	4828	Gas	4782		
Lime		4828	4832	"	4787		
Total Depth		4832		"	4789	Test	