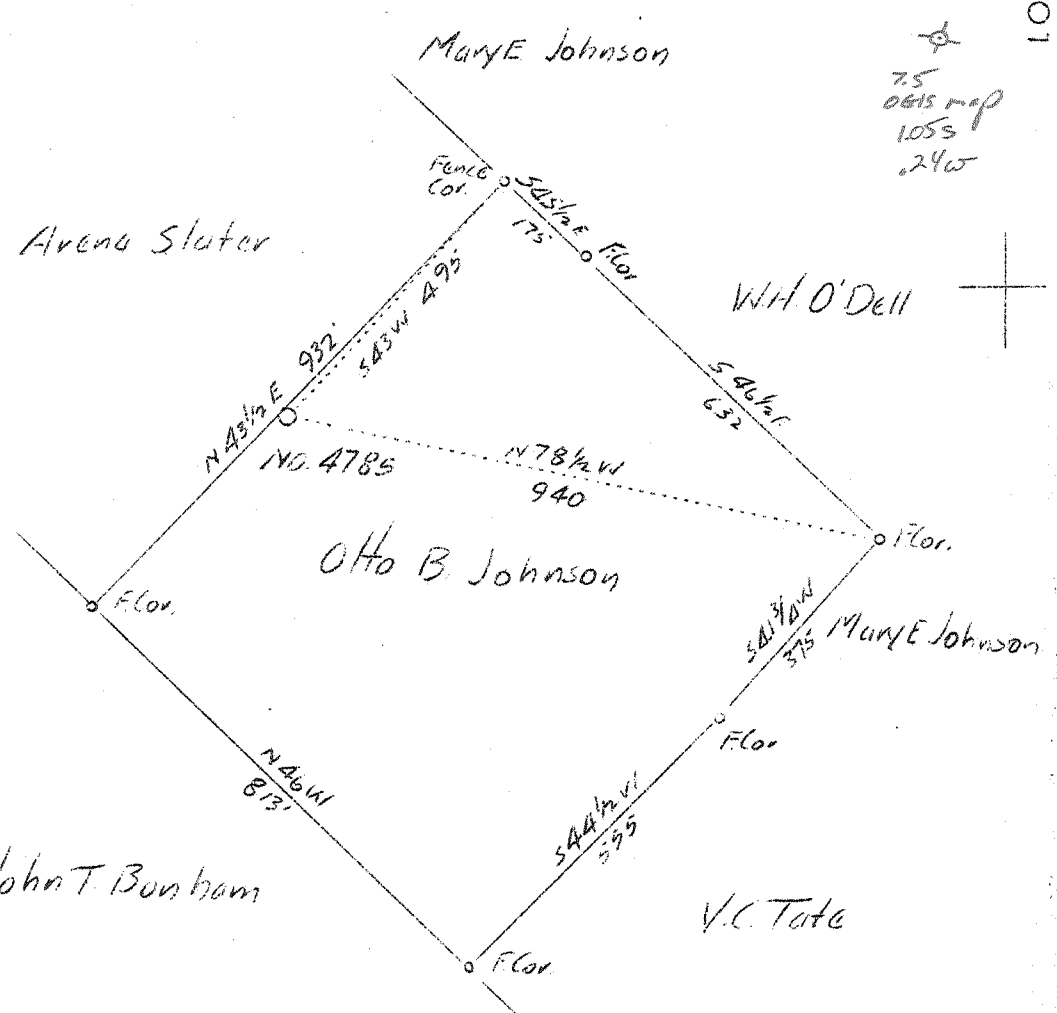


P

38 32 30

LATITUDE 38° 35'

LONGITUDE 81° 40'



ABD  
 9/43  
 0.3 W  
 4.05 B

F. 463 9 SE (I-5)

Company	United Fuel Gas Co.
Address	Charleston, W.Va.
Farm	Otto B. Johnson
Tract	Acres 21 Lease No. 40820
Well (Farm) No.	1 Serial No. 4785
Elevation (Spirit Level)	(SW)
Quadrangle	Kenna
County	Kanawha District Poca
Engineer	G.A. Cunningham
Engineer's Registration No.	659
File No.	58-71 Drawing No.
Date	Oct. 18, 1937 Scale 1"-300'

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

WELL LOCATION MAP  
 File No. KAN-491

+ 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.

Deepwell,

WEST VIRGINIA DEPARTMENT OF MINES

OIL & GAS DIVISION

WELL RECORD

Permit No. Kan-491

Gas Well

Kanawha Quad.

CASING & TUBING

Company United Fuel Gas Co.  
 Address Charleston, W. Va.  
 Farm Otto B. Johnson - Acres 21  
 Location Poca River  
 Well No. 4785 - Elev. 919.97  
 District Poca  
 County Kanawha  
 Surface & Mineral Otto B. Johnson, et al  
 Address Sissonville, W. Va.  
 Drilling commenced November 11, 1937  
 Drilling completed March 11, 1938  
 Date shot 3/13/38 - Depth shot 5060'  
 Oper. Flow After Shot 40/10ths Merc. in 7 inch  
 Volume 11, 159,000 c.f.  
 Rock Pressure 1775 lbs. 48 hrs.  
 Salt Water 1438, 1455 and 1985'

14	641	641
10	1786	1786
8-1/4	2025	2025
6-5/8	4971	4971

CASING CEMENTED:

Size	Feet	Date
8-5/8"	2025	1/13/38
7	4971	2/23/38

Coal encountered at:  
 420 feet 72 inches

Formation Color <sup>Har</sup> S TOP Base Result Formation Color <sup>Har</sup> S TOP Base Result

Surface			10		Oriskany Sand			5060	5098
Blue Slate			10	30	Black Lime			5098	5100
Red Rock			30	54	Total Depth			5100'	
Black Slate			54	96					
Sandy Shell			96	104					
Red Rock			104	121					
Blue Slate			121	163					
Limo Shell			163	175					
Red rock			175	193					
Blue Slate			193	255					
Sand			255	268					
Blue Slate			268	306			Gas 5060	- show	
Lime Shell			306	348			" 5067	- show	
Blue Slate			348	390			" 5100		
Sand			390	420					
Coal			420	426					
Black Slate			426	453					
Sand			453	482					
Blue Slate			482	531					
Lime Shell			531	562					
White Slate			562	603					
Sand			603	668					
Blue Slate			668	711					
Sand Shell			711	744					
Blue Slate			744	786					
Sand			786	806					
Blue Slate			806	864					
Lime Shell			864	892					
Blue Slate			892	946					
Sand			946	978					
Blue Slate			978	1060					
Sand			1060	1076					
Slate & Shells			1076	1266					
Sand			1266	1315					
Blue Slate			1315	1320					
Salt Sand			1320	1756					
Little Lime			1756	1775					
Big Lime			1775	1935					
Slate			1935	1950					
Injun Sand			1950	1995					
Slate			1995	2025					
Lime Shell			2025	2033					
Slate & Shells			2033	3660					
Brown Shale			3660	3680					
Slate & Shale			3680	4010					
Brown Shale			4010	4042					
Slate & Shells			4042	4675					
Brown Shale			4675	4880					
White Slate			4880	4895					
Brown Shale			4895	4955					
Corniferous Lime			4955	5062					