

New Location   
 Drill Deeper   
 Abandonment

Company	UNITED FUEL GAS CO.
Address	CHARLESTON, W.VA.
Farm	KEYSTONE COAL CO.
Tract	Acres 1856 Lease No. 13679
Well (Farm) No.	3 Serial No. 2513
Elevation (Spirit Level)	748
Quadrangle	MONTGOMERY
County	KANAWHA District CABIN CREEK
Engineer	
Engineer's Registration No.	659
File No.	76-47 Drawing No.
Date	MAY 1, 1941 Scale 1" = 660'

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON

WELL LOCATION MAP  
 FILE NO. KAN-318A

+ 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

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

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WELL RECORD

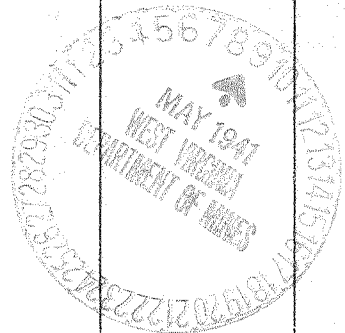
Permit No. 318-A Oil or Gas Well GAS  
(KIND)

Company United Fuel Gas Company  
Address Box 1256, Charleston, W. Va.  
Farm Keystone Coal Co. Acres 1856  
Location (waters) Morris Creek  
Well No. 2513 Elev. 748.0  
District Cabin Creek County Kanawha  
The surface of tract is owned in fee by \_\_\_\_\_  
Address \_\_\_\_\_  
Mineral rights are owned by Fir Development Co.  
Address Montgomery, W. Va.  
Drilling commenced April 2, 1929  
Drilling completed June 14, 1929  
Date shot June 14, 1929 Depth of shot \_\_\_\_\_  
Open Flow \_\_\_\_\_ /10ths Water in \_\_\_\_\_ Inch  
\_\_\_\_\_ /10ths Merc. in \_\_\_\_\_ Inch  
Volume 35,710 Cu. Ft.  
Rock Pressure 650 lbs. \_\_\_\_\_ hrs.  
Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
Fresh water \_\_\_\_\_ feet \_\_\_\_\_ feet  
Salt water \_\_\_\_\_ feet \_\_\_\_\_ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
13			<u>Anchor</u>
10	<u>615</u>	<u>615</u>	Size of
8 1/4	<u>1132</u>	<u>Pulled</u>	<u>3x5 3/16 x 16</u>
6 5/8	<u>1797</u>	<u>1797</u>	Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. Ft. \_\_\_\_\_ Date \_\_\_\_\_  
COAL WAS ENCOUNTERED AT 67 FEET 36 INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES 612 FEET 36 INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Soil			0	15			
Shale			15	30			
Lime			30	67			
Coal			67	70			
Shale			70	85			
Sand			85	100			
Slate & Shells			100	180			
Lime			180	200			
Slate			200	230			
Sand			230	240			
Slate			240	250			
Lime			250	285			
Slate			285	320			
Sand			320	355			
Slate			355	440			
Lime			440	490			
Slate - White			490	505			
Lime			505	540			
Sand			540	612			
Coal			612	615			
Slate			615	618			
Sand			618	710			
Slate			710	720			
Sand			720	800			
Slate			800	805			
Salt Sand			805	1035			
Slate & Shells			1035	1170			
Sand			1170	1212			
Slate - Blue			1212	1220			
Red Rock			1220	1290			
Lime			1290	1310			
Red Rock			1310	1320			
Sand			1320	1355			
Red Rock			1355	1375			
Slate & Shells			1375	1400			
Lime			1400	1420			
Red Rock			1420	1460			
Lime Shells			1460	1655			
Pencil Cave			1655	1660			
Lime			1660	1725			
Slate			1725	1735			



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Line - Black			1735	1768			
Big Line			1768	1965			
6 5/8" casing				1772			
Hole reduced				1845			
Gas			1895	1900			
Big Injun			1965	2040			
Slate & Shells			2040	2055			
Black Line			2055	2075			
Wier Sand			2075	2095			
Line Shells			2095	2325			
Line - Black			2325	2387			
Slate			2387	2391			
Brown Shale			2391	2404			
Berea Grit			2404	2406			
Shale			2406	2460	Water	2455	5/10 in 1/2"
Slate & Lime			2460	2900			
Black Line			2900	2965			
Total Depth			2965				
Filled back to			2465				
Drilled pocket			2465	2523			
Total Depth now				2523			

Date May 2, 1941

APPROVED United Fuel Gas Company, Owner

By Chief Engineer  
(Title) Chief Engineer