



REVISED 11-12-64

New Location
 Drill Deeper
 Abandonment

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by Paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Sybert R. Ferrell

Company UNITED FUEL GAS CO.
 Address CHARLESTON, W. VA.
 Farm MCGREERY COAL LAND CO.
 Tract _____ Acres 6,866 Lease No. 59330
 Well (Farm) No. _____ Serial No. 9357
 Elevation (Spirit Level) 2634.01'
 Quadrangle MULLENS - SE
 County RALEIGH District SLAB FORK
 Engineer Sybert R. Ferrell
 Engineer's Registration No. 2529
 File No. 82-413 Drawing No. _____
 Date 8-12-64 Scale 1" = 660'

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

WELL LOCATION MAP
 FILE NO. RAL-274

+ 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.

Sampler 1900 - 4100'



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle Mullins

Permit No. RAL-274

WELL RECORD 12

Oil or Gas Well Gas
(KIND)

Company United Fuel Gas Company
Address P.O. Box 1273 Charleston, W. Va.
Farm McCreery Coal Land Co. Acres 6866
Location (waters) Meadow Fork
Well No. 9357 Elev. 2634.01'
District Slab Fork County Raleigh
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by McCreery Coal Land Co.
Address Hinton, W. Va.
Drilling commenced March 25, 1965
Drilling completed April 28, 1965
Date Shot _____ From _____ To _____
With _____
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume 550 M Gas Sand - 270 M _____ Cu. Ft.
Maxon, Big Lime & Weir - 280 M
Rock Pressure 135# lbs. 96 hrs.
360 lbs. 96
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED _____
WELL FRACTURED _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13 3/8	21' Cemented	25 sacks	Upside Down
10			Size of
9-5/8"	569' Cemented	118 sacks	4 1/2" x 8-3/4"
6 5/8"			Depth set
5 3/16"			1267'
4 1/2"		1267'	Perf. top
2"			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED	SIZE	No. Ft.	Date
COAL WAS ENCOUNTERED AT		FEET	INCHES
		FEET	INCHES
		FEET	INCHES

RESULT AFTER TREATMENT

ROCK PRESSURE AFTER TREATMENT

Fresh Water _____ Feet Salt Water _____ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sand			0	90	Gas	1960'	
Sand & Shale			90	110			
Sand			110	210	Gas	2510'	
Sand & Shale			210	288			
Shale			288	319	Gas	2982'	
Sand			319	380			
Shale			380	450	Gas	2990'	
Sand & Shale			450	589			
Shale			589	705	Gas	3450'	
Sand & Shale			705	885			
Shale & Lime			885	1030	Gas test	12/10 Merc. 2" 539 M at	
Sand			1030	1045	Total Depth		
Shale			1045	1159	No treatment		
Sand			1159	1275			
Shale & Lime			1275	1373	FINAL OPEN FLOW-	550 M -	
Sand			1373	1433			
Red Rock			1433	1445			
Sand			1445	1474			
Red Rock			1474	1523	96 Hr. R.P.	135# 9-5/8"	
Shale			1523	1870	96 Hr. R.P.	360# 4 1/2"	
Sand & Shale			1870	1890			
Shale			1890	1960	Shut in	5-28-65 in 4 1/2" casing.	
Sand			1960	1985			
Sand & Shale			1985	2072	LOGS RUN:		
Upper Maxon			2072	2174	Gamma Ray		
Red Rock			2174	2200	Density		
Sandy Shale			2200	2264	Induction		
Middle Maxon			2264	2372	Temperature		
Shale			2372	2493			
Lower Maxon			2493	2520			



Gas Sand - 270 M
Maxon, Big Lime & Weir - 280 M
550 M

Formation	Color	Hard or Soft	Top	Bottom ¹²	Oil, Gas or Water	Depth Found	Remarks
Lime & Shale			2520	2810			
Big Lime		Gbr?	2810	3558			
Injun Sand			3558	3600			
Lime & Sand			3600	3850			
Weir Sand			3850	3933			
Shale			3933	4102			
Total Depth			4102'				

Date August 5, 19 65

APPROVED UNITED FUEL GAS COMPANY, Owner

[Signature]
 (Title)
 Capt., Civil Engineering Dept.