

Company UNITED FUEL GAS CO.
 Address CHARLESTON, W. VA.
 Farm H. P. JACKSON
 Tract 1 Acres 130 Lease No. 53447
 Well (Farm) No. 1 Serial No. 8998
 Elevation (Spirit Level) 2212.40'
 Quadrangle NARROWS NE
 County MONROE District RED SULPHUR
 Engineer Lybert R. Jewell
 Engineer's Registration No. 2529
 File No. 106-407 Drawing No. _____
 Date 9-15-60 Scale 1" = 400'

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

WELL LOCATION MAP

FILE NO. MONROE-5

plugged 08/25/61

+ 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

Narrows

Quadrangle _____

Permit No. MONROE - 5

WELL RECORD

DRY

Oil or Gas Well _____
(KIND)

Company United Fuel Gas Company
 Address Charleston, W. Va. P.O. Box 1273
 Farm H.P. Jackson Acres 130
 Location (waters) Crooked Run of Rich Creek
 Well No. 8998 Elev. 2212.40'
 District Red Sulphur County Monroe
 The surface of tract is owned in fee by _____
 Address _____
 Mineral rights are owned by H. P. Jackson
 Address Peterstown, W.Va.
 Drilling commenced December 14, 1960
 Drilling completed March 10, 1961
 Date Shot Not Shot From _____ To _____
 With _____
 Open Flow /10ths Water in _____ Inch
 _____/10ths Merc. in _____ Inch
 Volume _____ Cu. Ft.
 Rock Pressure None lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 WELL ACIDIZED No
 WELL FRACTURED No

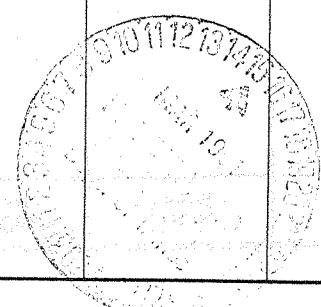
Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer _____
16			
13			
10	30		Size of _____
8 3/4	613		
8 3/8 7"	1412		Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
 _____ FEET _____ INCHES 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
Surface		0	10				
Lime		10	30				
Sand		30	60				
Red Rock		60	100			2212	
Slate & Shells		100	150				
Red Rock		150	188				
Hard Sand		188	207				
Lime		207	230				
Red Lime		230	285				
Lime		285	315				
Red Lime		315	400				
Grey Lime		400	422				
Slate		422	532				
Red Rock		532	561				
Slate & Shells		561	609				
Lime		609	715				
Sand		715	820				
Slate		820	935				
Lime		935	1036				
Sand		1036	1120				



Formation	Color	Hard or Soft	Top δ	Bottom	Oil, Gas or Water	Depth Found	Remarks
Lime			1120	1200			
Slate			1200	1385			
Grey Lime			1385	2550			
Big Lime			2550	2760			
Black Lime			2760	2800			
Black Sand			2800	2825			
Slate			2825	2842			
White Lime			2842	2975			
Red Injun			2975	3050			
Slate & Shells			3050	3105			
Sandy Shell			3105	3130			
Slate			3130	3185			
Weir Sand			3185	3332			
Slate & Shells			3332	3500			
Hard Shell			3500	3550			
Slate & Shells			3550	3590			
Sand			3590	3614			
Brown Shale			3614	3635			
Berea Britt			3635	3667			
Broken Sand			3667	3678			
Slate & Shells			3678	3704			
TOTAL DEPTH				3704			

Date March 16, 19 61

APPROVED UNITED FUEL GAS COMPANY, Owner

By S. R. Ferrell
(Title)

Supt., Civil Engineering Dept.