

Company UNITED FUEL GAS CO.  
 Address CHARLESTON, W. VA.  
 Farm J. L. DICKINSON  
 Tract \_\_\_\_\_ Acres 5.98 Lease No. 35661  
 Well (Farm) No. \_\_\_\_\_ Serial No. 9109  
 Elevation (Spirit Level) 1473.46'  
 Quadrangle BALD KNOB NE  
 County RALEIGH District MARSH FORK  
 Engineer J. L. Dickinson  
 Engineer's Registration No. 669  
 File No. 66-31 Drawing No. \_\_\_\_\_  
 Date 8-18-61 Scale 1"=400'

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

**WELL LOCATION MAP**  
 FILE NO. RA6-252

+ 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.

K&E 100 IMPERIAL TRACING CLOTH T.M. 60046  
 Samples 1825 - 2120

6-6 247 ✓



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION 38

Quadrangle Bald Knob

**WELL RECORD**

Permit No. RAL-252

Oil or Gas Well Gas  
(OG-10)

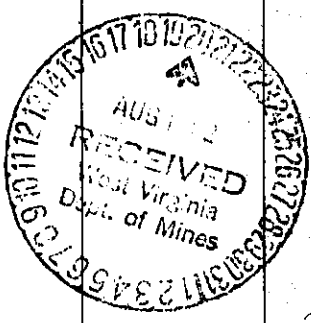
Company United Fuel Gas Co.  
Address P.O. Box 1273; Charleston 25, W. Va.  
Farm J. L. Dickinson Acres 598  
Location (waters) Marsh Fork  
Well No. 9109 Elev. 1473.46  
District Marsh Fork County  Raleigh  
The surface of tract is owned in fee by \_\_\_\_\_  
Address \_\_\_\_\_  
Mineral rights are owned by Southern Land Company  
1401 Kanawha Valley Bldg. Charleston, W.Va.  
Address \_\_\_\_\_  
Drilling commenced 3-17-62  
Drilling completed 5-30-62  
Date Shot \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
With \_\_\_\_\_  
Open Flow /10ths Water in \_\_\_\_\_ Inch  
/10ths Merc. in \_\_\_\_\_ Inch  
Volume 621 M - Maxon 82 M & Weir 539 M Cu. Ft.  
Rock Pressure 510 48  
550 lbs. 48 hrs.  
Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
WELL ACIDIZED \_\_\_\_\_  
WELL FRACTURED \_\_\_\_\_

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer _____
13 3/8		40'	Hookwall
10 3/4	Cemented	744'	Size of _____
8 5/8	1820'	Pulled	2-3/8" x 4-1/2"
8 1/2	Cemented	3085'	Depth set _____
5 3/16			2909'
3			Perf. top _____
2 3/8		3005'	Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. Ft. \_\_\_\_\_ Date \_\_\_\_\_  
COAL WAS ENCOUNTERED AT 75 FEET 36 INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

RESULT AFTER TREATMENT \_\_\_\_\_  
ROCK PRESSURE AFTER TREATMENT \_\_\_\_\_  
Fresh Water 78 250 Feet 1435 1472 Salt Water \_\_\_\_\_ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sand and Gravel			0	35	Water 78' 1/2 bailer per hour		
Slate			35	40			
Sand			40	75	Water 250' 1 bailer per hour		
Coal			75	78			
Slate			78	98	Water sand 1435'		
Sand			98	175			
Slate			175	240	Hole full water 1472'		
Sand			240	345			
Slate			345	380	Show gas 2067-2072' not enough to gauge		
Sand			380	435			
Slate			435	450	Show gas 2958-2962' 10/10 W 1" 33 M		
Sand			450	526			
Slate			526	531	Gas 2977-2994' 60/10 W 1" 82 M		
Lime			531	583	Test 2994-3003' 54/10 W 1" 77 M		
Slate			583	645	Test 3013' 50/10 W 1" 75 M		
Sand			645	675	Test 3035' 45/10 W 1" 71 M		
Slate			675	882	Test 3060' 40/10 W 1" 67 M		
Sand			882	975	Test 3090' 40/10 W 1" 67 M		
Slate			975	990	Test 3133' 36/10 W 1" 63 M		
Sand			990	1029			
Lime			1029	1050	Perforated 35' of 4-1/2" Casing in Weir.,		
Sand			1050	1203			
Slate			1203	1235	Test before fracture 34/10 W 1" 61 M		
Sand			1235	1250	Fractured Weir 6-7-62 with 700 bbls. water and 40,000# sand		
Slate			1250	1281	Perforated Maxon 2062-2084', 2 shots/foot		
Sand			1281	1487	Fractured Maxon 6-7-62 with 6,000# sand and 300 bbls. water		
Slate			1487	1492			
Lime			1492	1500	Final open flow after fracture 12/10		
Sand			1500	1783	Mer. 2" 539 M Weir & 60/10 W 1" 82 M		
Lime			1783	1853	Maxon		



Formation	Color	Hard or Soft	Top 38	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand			1853	1880			
Slate & Shells			1880	1900			
Red Rock			1900	1930			Maxon - 82 M
Slate & Shells			1930	1950			-Weir - 539 M
Lime			1950	2013	FINAL OPEN FLOW - 621 M		
Red Rock			2013	2040	48 Hr. R.P. 510# casing		
Sand - Maxon?			2040	2092	48 Hr. R.P. 550# tubing		
Red Rock			2092	2170			
Lime			2170	2370	Shut in 6-18-62 in 2-3/8" Tubing.		
Red Rock			2370	2385			
Lime			2385	2403	LOGS RUN:		
Slate & Shells			2403	2450	Gamma Ray		
Big Lime			2450	2850	G. G. Density		
Sand - Injun?		Gbr?	2850	2881	Induction		
Slate & Shells			2881	2918			
Weir Sand			2918	2990			
Slate			2990	3003			
Weir Sand			3003	3133			
Slate & Shells			3133	3164			
Total Depth			3164'				

Date August 17, 1962

APPROVED UNITED FUEL GAS COMPANY, Owner

By S. K. Ferrell  
(Title)

Supt., Civil Engineering Dept.