



New Location
 Drill Deeper
 Abandonment

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. 9031
 Elevation (Spirit Level) 1076.78'
 Quadrangle BALD KNOB NE
 County RANDOLPH District MARSH FORK
 Engineer Hubert R. Howell
 Engineer's Registration No. 2529
 File No. 66-33 Drawing No. _____
 Date 11-2-60 Scale 1" = 400'

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

WELL LOCATION MAP
 FILE NO. RAL-245

+ 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 16

Quadrangle Bald Knob

Permit No. RAL-245

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company United Fuel Gas Company
Address P.O. Box 1273; Charleston 25, W. Va.
Farm J. L. Dickenson Acres 598
Location (waters) Marsh Fork
Well No. 9031 Elev. 1076.78
District Marsh Fork County Raleigh
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by Southern Land Company
1518 Kanawha Valley Bldg. Address Charleston, W. Va.
Drilling commenced 12-14-60
Drilling completed 6-23-61
Date Shot _____ From _____ To _____
With _____
Open Flow 10ths Water in _____ Inch
10ths Merc. in. _____ Inch
Volume 1,765,000 - Maxon 163M; Weir 1,602 M Cu. Ft.
Rock Pressure 452 lbs. 48 hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10 3/4		361'	Size of
8 5/8	1411'	Pulled	
6 3/4			Depth set
5 1/2	Cemented	2738'	
3			Perf. top
2 3/8		2613'	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED SIZE No. Ft. Date

COAL WAS ENCOUNTERED AT 94 FEET 24 INCHES
146 FEET 24 INCHES FEET INCHES
FEET INCHES FEET INCHES

WELL FRACTURED _____

RESULT AFTER TREATMENT

ROCK PRESSURE AFTER TREATMENT

Fresh Water 166 Feet 402 1057-1080 Salt Water Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Surface			0	27	Water 166'	1/4	bailer per hour
Sand			27	88			
Slate			88	94	Water 402'	1	bailer per hour
Coal			94	96			
Sand			96	146	Water sand	1057-1080'	hole full water
Coal			146	148			
Sand			148	221	Gas 1677-1681'	8/10 W 1"	30 M
Slate			221	284			
Sand			284	332	Gas 1681-1688'	12/10 W 1"	37 M
Clate & Shells			332	517			
Sandy Lime			517	558	Gas 1688-1695'	14/10 W 2"	158 M
Sand			558	617	blew down to	4/10 W 2"	84 M
Black Lime			617	637			
Sand			637	830	Gas 2314-2324'	increased to	11/10 W 2"
Slate & Shells			830	850	140 M	blew down to	6/10 W 2"
Sandy Lime			850	872			
Sand			872	895	Gas 2603-2616'	increased to	7/10 W 2"
Lime			895	912	112 M		
Sand			912	1084			
Slate			1084	1087	Test before fracture	7/10 W 2"	112 M
Sand			1087	1113	Fractured Weir 7-3-61	with 700 bbls.	
Slate			1113	1118	water and	40,000# sand	
Sand			1118	1310			
Lime			1310	1315	Perforated 5" casing	at 1670-1697' &	
Sand			1315	1411	2568-2645'		
Slate			1411	1413			
Lime			1413	1438	Fractued Maxon 7-4-61	with 375 bbls.	
Slate			1438	1448	water and	10,000# sand	
Lime			1448	1464			
Sand			1464	1500	Opened well 7-21-61	and blew out sand	

Formation	Color	Hard or Soft	Top /6	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate			1500	1514	Final open flow 1,765 M - Maxon test 15/10 W 2" 163 M, Weir test 106/10 Merc. 2" 1,602 M Shut in 7-21-61 in 2-3/8" tubing. LOGS RUN: Gamm a Ray Temperature G. G. Density Induction		
Lime			1514	1534			
Red Rock			1534	1569			
Slate			1569	1578			
Lime			1578-	1594			
Slate & Shells			1594	1620			
Red Rock & Shells			1620	1654			
Maxon Sand			1654	1720			
Lime			1720	1765			
Red Rock			1765	1792			
Slate & Shells			1792	1838			
Red Rock			1838	1937			
Slate & Shells			1937	1980			
Red Rock			1980	2005			
Slate & Shells			2005	2080			
Pencil Cave			2080	2098			
Little Lime			2098	2160			
Big Lime			60' 2160	2460			
Injun Sand			2460	2481			
Slate & Shells			2481	2520			
Weir Sand			2520	2735			
Slate & Shells			2735	2930			
Coffee Shale			2930	2954			
Berea Sand			2954	2981			
Slate & Shells			2981	3011			
Total Depth				3011'			

Date..... November 20, 1961

APPROVED UNITED FUEL GAS COMPANY, Owner

By *A. L. Ferrell*
(Title)

Supt., Civil Engineering Dept.