

111

Latitude $38^{\circ} 00'$
375730

Longitude $81^{\circ} 35'$ (60X)

E. J. BERWIND

E. J. BERWIND

3871 *

5.595
1.02W

E. J. BERWIND

W. VA. SEC. 21, NR. 26
WEST FORK OF SAND CREEK
RIVER LINE

9081

$S82^{\circ}30'N$
2140

75
2685
1.10W

Stake in Right Fork.
Stake, Spruce
Pine and White
Oak ptr on
Hillside.
Stake, Dogwood
and Lynn ptrs.
C. & O.
R.WY. CO.

Stake at lower
edge of Cliff.

$N14^{\circ}28'E-62.95'$
 $N44^{\circ}54'W-30.33'$
 $N2^{\circ}26'30"W-37.67'$
5th. Black Oak F
Pine ptrs. on
top of Ridge.

Double
Black Oak
on top of
Ridge.

E. J. BERWIND

NOTE-
Coal operated by Robin Hood
Coal Co. Location below operated
Coal Seam.

New Location
Drill Deeper
Abandonment

Company UNITED FUEL GAS CO.
 Address CHARLESTON, W. VA.
 Farm E. J. BERWIND
 Tract _____ Acres 4235.3 Lease No. 16903
 Well (Farm) No. 6 Serial No. 9081
 Elevation (Spirit Level) 1169.17'
 Quadrangle BALD KNOB NC Whitesville 75
 County BOONE District CROOK
 Engineer Hubert R. Howell
 Engineer's Registration No. 2529
 File No. 62-29 Drawing No. _____
 Date 2-15-61 Scale 1" = 800'

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

WELL LOCATION MAP
FILE NO. Boo-920

+ Denotes location of well on United States
Topographic Maps, scale 1 to 62,500, lat-
itude 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 2

Quadrangle Bald Knob

Permit No. B00-920

WELL RECORD

Oil or Gas Well GAS

Company United Fuel Gas Company
Address P.O. Box 1273; Charleston 25, W. Va.
Farm E. J. Berwind #6 Acres 4,236.5
Location (waters) Left Fork of Pond Creek
Well No. 9081 Elev. 1169.17
District Crook County Boone
The surface of tract is owned in fee by _____
Address _____

Mineral rights are owned by New River & Pocahontas Consol. Coal Co.
1500 Pennsylvania Bldg Address Philadelphia 2, Penna

Drilling commenced 6-6-61
Drilling completed 8-25-61

Date Shot _____ From _____ To _____
With _____

Open Flow 5 /10ths Water in 2 Inch
_____ /10ths Merc. in _____ Inch

Volume 94,000 - Big Lime, Weir & Berea Cu. Ft.
Rock Pressure 390 lbs. 48 hrs.

Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED _____

WELL FRACTURED _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
18			
18 3/8		32'	
10 3/4		357	Size of
8 5/8	1607'	Pulled	
3 1/2		3069'	Depth set
2			Perf. top
			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

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

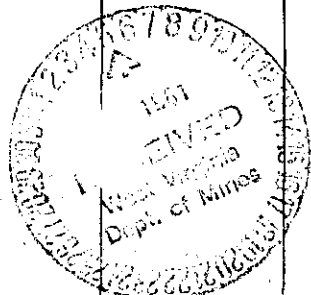
COAL WAS ENCOUNTERED AT 28 FEET 12 INCHES
60 FEET 24 INCHES 115 FEET 24 INCHES
198 FEET 24 INCHES 241 FEET 37 INCHES

RESULT AFTER TREATMENT

ROCK PRESSURE AFTER TREATMENT

Fresh Water 62 80 Feet 860 Salt Water _____ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sand			0	20	Water 62'	2	bailers an hour
Slate			20	28			
Coal			28	29			Hole full water at 80'
Slate			29	60			
Coal			60	62	Water 860'	8 1/2	bailers every 3 hours
Sand			62	115			
Coal			115	117	Show gas 1844'	8/10 W 1"	30 M
Slate			117	122			
Sand			122	163	Test 1960'	1/10 W 1"	11 M
Slate & Shells			163	198			
Coal			198	200	Gas 1966-1971'	6/10 W 1"	26 M
Sand			200	241	Gas 1971-1973'	7/10 W 1"	28 M
Coal			241	244	Test 2000'	4/10 W 1"	21 M
Slate			244	270	Test 2024'	2/10 W 1"	15 M
Sand			270	302	Gas 2090'	4/10 W 1"	21 M
Slate & Shells			302	350	Test 2351'	3/10 W 1"	18 M
Sand			350	360	Gas 2453'	5/10 W 1"	24 M
Slate & Shells			360	695	Test 2472'	3/10 W 1"	18 M
Sand			695	910	Gas 2591'	4/10 W 1"	21 M
Slate & Shells			910	958	Test 2909'	3/10 W 1"	18 M
Sand			958	979	Test 2995'	3/10 W 1"	18 M
Slate & Shells			979	1015	Gas 3014'	4/10 W 1"	21 M
Salt Sand			1015	1215			
Sandy Slate			1215	1233	Perforated at 3026-3032'		and 2793-2795'
Sand			1233	1320			
Slate			1320	1331	Test before fracture 4/10 W 1"		21 M
Sand			1331	1433	Fractured Berea 9-6-61 with 550 bbls.		water, and 23,000# 20-40 sand
Slate & Shells			1433	1462			
Sand			1462	1486			
Slate & Shells			1486	1501	Baker plug at 2681'		



Formation	Color	Hard or Soft	Top 2	Bottom	Oil, Gas or Water	Depth Found	Remarks
Red Rock			1501	1519			
Slate			1519	1535			
Sand			1535	1620	Perforated at 2662-2668', 2653-2655', 2574-2578'		
Slate			1620	1625			
Lime			1625	1650			
Slate			1650	1661	Fractured Weir 9-6-61 with 550 bbls. and 23,000# 20-40 sand.		
Lime			1661	1707			
Red Rock			1707	1717			
Lime			1717	1748	Baker plug at 1988'		
Maxon Sand			1748	1922			
Slate			1922	1960	Perforated 5½" at 1967-1972', 1898-1902 1881½-1883½'		
Maxon Sand			1960	2097			
Little Lime			2097	2122			
Pencil Slate			2122	2168	Attempted to fracture Maxon 9-6-61 Well circulated		
Big Lime			2168	2499			
Injun Sand			2499	2536			
Weir Shells			2536	3000	Baker plug at 2470' - perforated 5½" at 2446-2454'		
Coffee Shale			3000	3012			
Berea Sand			3012	3032			
Lime			3032	3070	Fractured 9-26-61 with 3,000 gallons 15% Hcl, 390 bbls. water and 15,000# 20-40 sand.		
Total Depth			3070'		Final open flow 5/10 W 2" 94 M Big Lime, Weir and Berea		
					FINAL OPEN FLOW - 94 M - Big Lime, 48 Hr. R.P. 390# Weir and Berea		
					Shut in 10-3-61 in 5½" casing		

Date December 1, 1961

APPROVED UNITED FUEL GAS COMPANY, Owner

By S. P. Ferrell
(Title)

Supt., Civil Engineering Dept.