



BENCH MARK DESCRIPTION
 Inkerman, 3.9 Miles S.W. of, on North River Pike,
 on N.E. Corner of Cement Steps to Asbury Church,
 300' N.E. of Road Forks; Chiseled Square Marked
 "2079.6" Elev. 2078.90'
DEGREE OF ACCURACY
 One Part in 200

0.875
 1.98 W.
 6 NC (G-16)

- Fracture Before 6/5/27
- New Location
- Drill Deeper
- Redrill
- 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 5 of the Rules and Regulations of the Oil and Gas Section of the Mining Laws of West Virginia.
 The accuracy of this survey is within the limits and as prescribed in paragraph 5 by the Oil and Gas Division of the Department of Mines Regulations.
PROVEN ELEVATION 2078.90'

Company UNITED FUEL GAS CO.
 Address CHARLESTON, W. VA.
 Farm SAMUEL N. FUNK
 Tract _____ Acres 372 Lease No. 50009
 Well (Farm) No. #1 Serial No. 9368
 Elevation (Spirit Level) 1785.83'
 Quadrangle MOOREFIELD - EC
 County HARDY District MOOREFIELD
 Engineer Seybert R. Kerrell
 Engineer's Registration No. 2529
 File No. 214-113 Drawing No. _____
 Date FEB. 9, '65 Scale 1" = 400'

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

WELL LOCATION MAP
 FILE NO. HARD-18

+ 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.

Samples 20 Inkerman Field Discovery Well 4-1-304 Deep Well
 RECEIVED D



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Rotary
Spudder
Cable Tools
Storage

For Posting at 7-20-66

Quadrangle Moorefield
Permit No. Hardy-18

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company United Fuel Gas Company
Address P.O. Box 1273 Charleston, W. Va. 25325
Farm Samuel N. Funk, et al Acres 625
Location (waters) Mud Lick Run
Well No. 9368 Elev. 1785.83'
District Moorefield County Hardy
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by Samuel N. Funk, et al
Address Kirby, W. Va.
Drilling commenced 3-11-66
Drilling completed 4-14-66
Date Shot _____ From _____ To _____
With _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
2 1/2 20"	27' Cemented to surface		Size of Pack
13 3/8	157' "	"	"
10			Size of
2 1/2 9-5/8	1840' "	"	"
2 1/2 7"	6898' Cemented with		Depth set
5 3/16	400 sacks neat cement		"
4 1/2			Perf. top
3			Perf. bottom
2 3/8		6908'	Perf. top
Liners Used			Perf. bottom

Open Flow 1/10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume 32,000 M - Oriskany Cu. Ft.
Rock Pressure 2245 D.W. lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS) _____
WELL FRACTURED (DETAILS) _____

Attach copy of cementing record.
CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
Amount of cement used (bags) _____
Name of Service Co. _____
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

RESULT AFTER TREATMENT (Initial open Flow or bbls.) _____
ROCK PRESSURE AFTER TREATMENT _____ HOURS
Fresh Water 174' Feet _____ Salt Water _____ Feet _____
Producing Sand _____ Depth _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Shale			0	50	Fresh water	174'	
Shale			350	500			
Shale			500	750	Gas 6913-6914'		
Shale			750	1000	Gas 6919'		all gas gauged 26,775 M
Sand & Shale			1000	2300			
Shale			2300	2500			
Sand & Shale			2500	4100	Acidized 5-9-66 with 20,000 gallons		
Gray Shale			4100	5250	15% regular acid and 191,860 cu.ft. nitrogen		
Marcellus Shale			5250	6760			
Needmore			6760	6889	Final open flow after acidized - 32,000		
Oriskany			6889	6926			
Total Depth			6926'				Shut in 5-15-66 in 2-3/8" tubing.

475

