

BENCH MARK DESCRIPTION

U. S. G. S. STANDARD DISK STAMPED T-98 IN SOUTH WEST CORNER OF BETTY L. SCHOOL BUILDING EAST SIDE OF KELLEY CREEK ABOUT 4000' TO MOUTH OF KELLEY CRK. AND POCATALICO RIVER. ELEV. 609.00'

- Fracture Before 6/5/29
- 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.

Company UNITED FUEL GAS CO.

Address CHARLESTON, W. VA.

Farm MALCOLM M. HIGGINBOTHAM ET. AL.

Tract _____ Acres 255 Lease No. 62410 ET. AL.

Well (Farm) No. _____ Serial No. 9494 P.1.

Elevation (Spirit Level) 649.80'

Quadrangle KENNA SW

County KANAWHA District UNION

Engineer Adrian E. Hardman

Engineer's Registration No. 2330

File No. 56-59 Drawing No. _____

Date JUNE 5, '68 Scale 1" = 400'

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

WELL LOCATION MAP
FILE NO. RAN-2267-P

+ 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.

JUN 29 1968

DEEP 6-0 Rocky Fork (312)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

Oil or Gas Well Gas
(KIND)

Quadrangle Kenna

Permit No. KAN-2267

Company United Fuel Gas Company
Address Charleston, West Virginia
Farm Malcolm Higginbotham, et, al. Acres 278

Location (waters) Kelly Creek
Well No. 9494 PI Elev. 650'
District Union County Kanawha

The surface of tract is owned in fee by _____
Address _____

Mineral rights are owned by Malcolm M. Higginbotham, et al.
RFD 4, Box 183 Address Charleston, W. Va.

Drilling commenced June 15, 1968
Drilling completed June 22, 1968

Date Shot _____ From _____ To _____
With _____

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

Volume _____ Cu. Ft.
Rock Pressure _____ ss. _____ hrs.

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

WELL FRACTURED _____

RESULT AFTER TREATMENT
ROCK PRESSURE AFTER TREATMENT

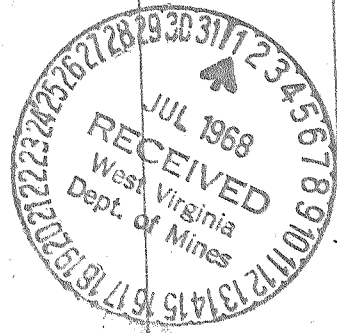
Fresh Water _____ Feet Salt Water _____ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Top Soil			0	20			
Sandstone			20	80			
Red Rock & Sandstone			80	475			
Sandstone			475	980			
Salt Sand			980	1580			
Big Lime			1580	1740			
Injun			1740	1800			
Shale			1800	2210			
Berea			2210	2220			
Shale			2220	4616			
Nonferrous Lime			4616	4702			
Oriskany Sand			4702	4740			
Dolomite & Lime			4740	5460			
Newburg Sand			5460	5482			
Dolomite			5482	5505			
TOTAL DEPTH				5505			

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
18 3/8"	117'	117'	
20 9 5/8"	1840'	1840'	Size of
8 3/4"			
7"	5417'	1017'	Depth set
5 3/16"			
3"			Perf. top
2"			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____

COAL WAS ENCOUNTERED AT _____ FEET _____ INCH
 _____ FEET _____ INCHES _____ FEET _____ INCH
 _____ FEET _____ INCHES _____ FEET _____ INCH





WELL RECORD, FORM 00-10, MUST BE SUBMITTED TO OBTAIN RELEASE OF WELL UNDER BOND.

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

NOTICE OF PROPOSED LOCATION OF OIL AND GAS WELL

To THE DEPARTMENT OF MINES,
Charleston, W. Va.

Malcolm M. Higginbotham, et al.
COAL OPERATOR OR COAL OWNER

United Fuel Gas Company
NAME OF WELL OPERATOR

Charleston, West Virginia
COMPLETE ADDRESS

ADDRESS

June 11, 19 68

PROPOSED LOCATION

COAL OPERATOR OR COAL OWNER

Union District

ADDRESS

Kanawha County

Malcolm M. Higginbotham, et al.
OWNER OF MINERAL RIGHTS

RFD 4, Box 183
Charleston, West Virginia 25312
ADDRESS

Well No. 9494 P. I.

Malcolm Higginbotham, et al. Farm
Elevation 649.80' Acres 255

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated November 2, 1965, made by Malcolm M. Higginbotham, et al. to United Fuel Gas Company, and recorded on the 23d day of November, 1965, in the office of the County Clerk for said County in Book 159, page 57.

The enclosed plat was prepared by a competent engineer and shows the proposed location of a well to be drilled for oil and gas by the undersigned well operator on the farm and in the Magisterial District and County above named, determined by survey and courses and distances from two permanent points, or land marks.

The undersigned well operator is informed and believes there are no coal operators operating beds of coal beneath said farm or tract of land on which said well is located, or within 500 feet of the boundaries of the same, who have mapped their workings and filed their maps as required by law, excepting the coal operators or coal owners (if any) above named as addressees.

The above named coal operators or coal owners (if any) are notified that any objections they may desire to make to such proposed location, or which they are required to make by Section 3 of said Code, if the drilling of a well at said proposed location will cause a dangerous condition in or about their respective coal mines, must be received by, or filed with the Department of Mines within ten* days from the receipt of a copy of this notice and accompanying plat by said Department. Said coal operators are further notified that forms for use in making such objections will be furnished to them by the Department of Mines promptly on request and that all such objections must set forth as definitely as is reasonably possible the ground or grounds on which such objections are based and indicate the direction and distance the proposed location should be moved to overcome same.

(The next paragraph is to be completed only in Department's copy.)

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address _____ day _____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

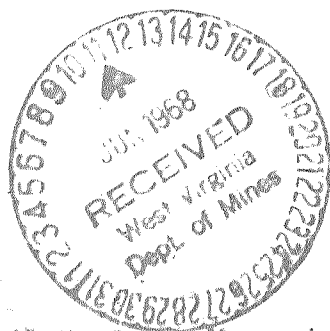
Very truly yours, UNITED FUEL GAS COMPANY

(Sign Made) By Adrian E. Anderson Capt.
WELL OPERATOR Civil Engr. Dept.

P. O. Box 1273
STREET

Charleston
CITY OR TOWN

West Virginia 25325
STATE



*Section 3... If no such objections be filed or be found by the department of mines, within said period of ten days from the receipt of said notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a drilling permit reciting the filing of such plat, that no objections have been made by the coal operators to the location, or found thereto by the department, and that the same is approved and the well operator authorized to proceed to drill at said location.

BLANKET BOND

KAN-2267 PERMIT NUMBER

2267