



BENCH MARK DESCRIPTION

U.S.G.S. Bench Mark Copper Disk, Stamped C-97-1956 in North Side on Sissonville Jr. High Gym. Elev. 630.00'

- 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 IRENE MERRILL ET. AL.
 Tract 288 Acres ^{Merger} Lease No. 63804-
 Well (Farm) No. _____ Serial No. 9525 P.1.
 Elevation (Spirit Level) 627.24'
 Quadrangle KENNA SC
 County KANAWHA District POCA
 Engineer Adrian E. Hardman
 Engineer's Registration No. 2330
 File No. 60-69 Drawing No. _____
 Date MAR. 30, '69 Scale 1" = 400'

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

WELL LOCATION MAP
 FILE NO. Kan-2392

+ 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.

Form CG-10



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
WELL RECORD

- Rotary
- Spudder
- Cable Tools
- Storage

Quadrangle Sissonville

Permit No. KAN-2392

Oil or Gas Well Gas
(KIND)

Company United Fuel Gas Company
 Address P. O. Box 1273, Charleston, W. Va.
 Farm Irene Merrill Et Al Acres 288
 Location (waters) Pocatalico River 639.24 KB
 Well No. 9525 PI Elev. 627.24 GL
 District Poca County Kanawha
 The surface of tract is owned in fee by _____
 Address _____
 Mineral rights are owned by _____
 Address _____
 Drilling commenced April 24, 1969
 Drilling completed May 1, 1969
 Date Shot Not shot From _____ To _____
 With _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13 13"		203'	
10 9"		1698'	Size of
8 7/8"		5514'	Depth set
6 3/8"			
5 3/16"			
4 1/2"			
3"			Perf. top
2 2"		5507'	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
 Volume 11.6 MMCF Cu. Ft.
 Rock Pressure _____ lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 WELL ACIDIZED (DETAILS) _____
 WELL FRACTURED (DETAILS) Mud acid 1000 gals. Fill up 7800 gals. Treating 26,140 gals.
Over flush 9200 gals. Sand 20-40 30,000#
 RESULT AFTER TREATMENT (Initial open Flow or bbls.) 45 MMCF
 ROCK PRESSURE AFTER TREATMENT 1400 HOURS
 Fresh Water _____ Feet Salt Water 1200 Feet
 Producing Sand Newburg Depth 5551

Attach copy of cementing record.
 CASING CEMENTED 7" From 5485 to 4500 No. Ft. Date
 Amount of cement used (bags) 150
 Name of Service Co. Halliburton
 COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
 _____ FEET _____ INCHES _____ FEET _____ INCHES
 _____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sand & Shale			0	216			
Shale			216	900			
Sand & Shale			900	1200			
Sand			1200	1400	Salt Water	1200'	
Big Lime			1400	1580			
Injun			1580	1630			
Shale			1630	1704			
Sand & Shale			1704	2175			
Shale			2175	4634			
Corn Lime			4634	4735			
Oriskany			4735	4785			
Lime & Dol			4785	5517			
Newburg			5517	5532			
Lime & Dol	<u>McKenzie</u>		5532	5551			
TOTAL				5551			
<u>5517</u>	<u>5517</u>						
<u>639</u>	<u>4735</u>						
<u>4878</u>	<u>782</u>						

Test before fracturing: 11.6 MMCF
 Final Open Flow: 45 MMCF Side Static
 Casing Points
 13-3/8" 203' Cemented 175 sks.
 9-5/8" 1698' Cemented 650 sks.
 7" 5514' Cemented 150 sks.
 Logs Run: Gamma Ray & Density
 Permit No. KAN: 2392
 Shut In 7" Casing 5-1-69

