



BENCH MARK DESCRIPTION
 U.S.G.S. Standard Disk
 Stamped C-97-1956 in North
 Side of Sissonville Jr. High
 School Gym. Elev. 630.00'
ACCURACY: One Part in 200

Two Large Ches. Oaks in Fence
 Corner, Top of Ridge. 4.32 S
 3.78 W

B.O. in Fence Corner
 Top of Point Ridge.

- 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 ARNOLD SPENCER ET. AL.
 Tract _____ Acres 256.5 Lease No. 45110
 Well (Farm) No. _____ Serial No. 9532-P.I.
 Elevation (Spirit Level) 752.08'
 Quadrangle KENNA 56
 County KANAWHA District POCA
 Engineer Adrian E. Chapman
 Engineer's Registration No. 2330
 File No. 64-71 Drawing No. _____
 Date SEPT. 10, '69 Scale 1" = 400'

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

WELL LOCATION MAP
 FILE NO. KAN-2434

+ 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.

Deep Well (Newburg)

* U. F. G. Co. 88.98613
 Spartan Gas Co. 8.71193
 Radford & Frame 1.07213
 Allen Beard 1.16963

Map Square 64-71

Form OG-10



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

Rotary
 Spudder
 Cable Tools
 Storage OF WELL
 Oil or Gas Well **Gas** (KIND)

Quadrangle: **Kenna** 38° 45'
Sissonville 9-41
 Permit No. **KAN: 2434**

WELL RECORD

Company **United Fuel Gas Company**
 Address **Charleston, West Virginia**
 Farm **Arnold Spencer Et. Al.** Acres **256.50**
 Location (waters) **Left Fork of Grapevine Creek**
 Well No. **9532 PI** KH **752.21** Elev. **752.08**
 District **Poca** County **Kanawha**
 The surface of tract is owned in fee by *****
 Mineral rights are owned by *****
 Drilling commenced **October 10, 1969**
 Drilling completed **October 17, 1969**
 Date Shot **From** **To**
 With *****
 Open Flow **/10ths Water in** **Inch**
/10ths Merc. in **Inch**
 Volume **18 MMCF** **Cu. Ft.**
 Rock Pressure **lbs** **hrs.**
 Oil **bbbl., 1st 24 hrs.**
 WELL ACIDIZED (DETAILS)
 WELL FRACTURED (DETAILS) **Mud Acid 1000 gals. Fill up 7980 gals. Breakdown 7980 gals. Treating 17220 gals Sand 20-40 30,000#**
 RESULT AFTER TREATMENT (Initial open Flow or bbls.) **68,000 Mcf**
 ROCK PRESSURE AFTER TREATMENT **2048** **HOURS**
 Fresh Water **Feet** **Salt Water** **1305** **Feet**
 Producing Sand **Newburg** **Depth** **5662**

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13		121'	Size of
10 9-5/8"		1711'	Depth set
8 7/8"		5683'	Perf. top
6 3/4"			Perf. bottom
5 3/16"			Perf. top
4 1/2"			Perf. bottom
3"		5640'	
2"			
Liners Used			

Attach copy of cementing record.
 CASING CEMENTED **7** SIZE **5683** 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
Soil			0	130			
Sand			130	155			
Sand-Shale			155	665		5648	5648
Sand			665	1305		4855	752
Salt Sand			1305	1430	Salt water	793	4896
Big Lime			1430	1570			
Conjunctive			1570	1615			
Shale			1615	4755			
Lime			4755	4855			
Crinkly			4855	4895			
Lime & Dol			4895	5648			
Newburg			5648	5662			
Total Depth				5662			

Test before fracturing: 18 MMCF
 Final Open Flow - 68,000 Mcf (Four Point Potential Test).
 Casing Points
 13-3/8" 121' Cemented 150-sks
 9-5/8" 1711' Cemented 600-sks
 7" 5683' Cemented 150-sks
 Permit No. **KAN: 2434**
 Shut In **7"** Casing **11-14-69**
 Pressure **2048.1** psig

