

BENCH MARK DESCRIPTION

FI4912

U.S.G.S. Standard Disk Stamped J-98-1956 in North Abutment of Iron Bridge Along State Rt. No 32 Over Pocatalico River & 1 Mile North of Intersection W. Va. U.S. Rt. No. 21. Elev. 616.00'

Fracture Before 6/5/29	<input type="checkbox"/>
New Location	<input checked="" type="checkbox"/>
Drill Deeper	<input type="checkbox"/>
Redrill	<input type="checkbox"/>
Abandonment	<input type="checkbox"/>

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 *Viking Energy*
 Address *13366, Sissonville, W. Va. 25360*
 Farm *J. V. & C. A. RAY, ET. AL.*
 Tract _____ Acres *272.47* Lease No. *41935 ET. AL.*
 Well (Farm) No. _____ Serial No. *9502-P.I.*
 Elevation (Spirit Level) *659.39'*
 Quadrangle *KENNAIS, Sissonville, 7.5*
 County *KANAWHA* District *POCA*
 Engineer *Adrian E. Hardman*
 Engineer's Registration No. *2330*
 File No. *60-69* Drawing No. _____
 Date *OCT. 2, '68* Scale *1" = 400'*

STATE OF WEST VIRGINIA
 Division of Environmental Protection
 Office of Oil & Gas
 Mingo, W. Va.

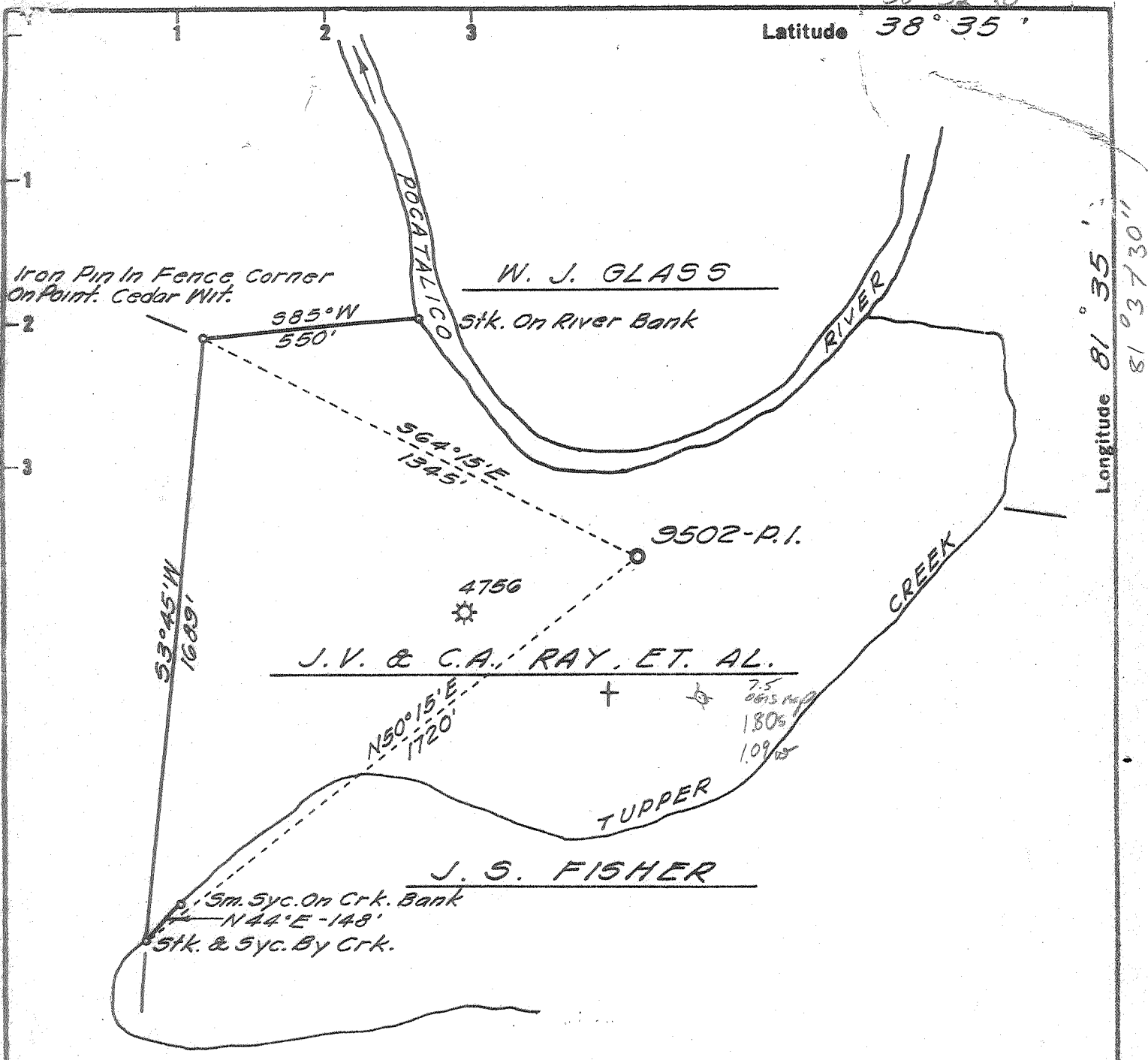
WELL LOCATION MAP
Oil Well No. 47-039-02314-P.

+ 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.

SEP 2 - 1994

38° 32' 30"
Latitude 38° 35'



Longitude 81° 35'
81° 37' 30"

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Company UNITED FUEL GAS CO.
 Address CHARLESTON, W. VA.
 Farm J. V. & C. A. RAY, ET. AL.
 Tract _____ Acres 272.47 Lease No. 41935 ET. AL.
 Well (Farm) No. _____ Serial No. 9502-P.I.
 Elevation (Spirit Level) 659.39'
 Quadrangle KENNA
 County KANAWHA District POCA
 Engineer Adrian E. Hardman
 Engineer's Registration No. 2330
 File No. 60-69 Drawing No. _____
 Date OCT. 2, '68 Scale 1" = 400'

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

WELL LOCATION MAP
 FILE NO. Kan-2314

+ 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.

United Fuel Gas Company
Ray Brothers Corp.
Cities Service

14.7515%
37.3106%
16.0704%

Spartan Gas Company

1.0675%



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Rotary
Spudder
Cable Tools
Storage

Location Sissonville
Permit No. KAN-2314

WELL RECORD

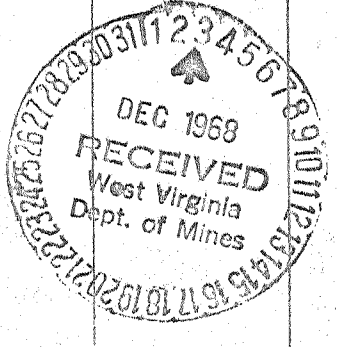
Oil or Gas Well Gas
(KIND)

Company United Fuel Gas Company
Address P. O. Box 1273, Charleston, W. Va.
Operator J. V. & C. A. Ray Acres 272.55
Location (waters) Pocatalico River 671.39 KB 16
Well No. 9502 P. I. Elev. 659.39 GL 13
District Poca County Kanawha
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by * _____
Address _____
Drilling commenced October 9, 1968
Drilling completed October 16, 1968
Date Shot Not Shot From _____ To _____
Liners Used _____
Attach copy of cementing record.
Casing Cemented 7" SIZE 5515 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
WELL FRACTURED (DETAILS) Mud Acid 1,000 gals. Fill up 8,000 gals. Treating 16,320 gals.
Overflush 8,600 gals, Water 33,920 gals, Sand 20-40- 30,000%
RESULT AFTER TREATMENT (Initial open flow or bbls.) 5 1/4 MMCF 54,000,000 54,000 Mcf
ROCK PRESSURE AFTER TREATMENT 1939 psig HOURS 24
Fresh Water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Newburg Depth 5585

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sand & Shale			0	150			
Sand			150	380			
Sand & Shale			380	1045			
Sand			1045	1505	Salt Water @ 1065'		
Big Lime			1505	1660			
Wjuv Sand			1660	1700			
Shale			1700	4675			
Cornif. Lime			4675	4775			
Driskany Sand			4775	4825			
Dolonite			4825	5555			
Newburg Sand			5555	5571	Gas 20 MMCF @ 5556'		
Shale			5571	5585			
Total Depth				5585			

McKenzie 5555
4775
280
5555
671
884

Test before Fracturing: 20 MMCF
Final Open Flow: 5 1/4 MMCF (Four Point Potential Test) RP 1939 psig; Shut in 10-16-68 - 7" Casing 24 hour.
Casing Points:
13-3/8" - 54' Cemented 75 Bags
9-5/8" - 1755' Cemented 700 Bags
7" - 5515' Cemented 150 Bags
Logs Run:
Gamma Ray
Density
Caliper
Permit No. KAN-2314



STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 SECTION OF OIL AND GAS

Permitting
 Office of Oil & Gas

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: KAN. VALLEY ADVERTISING Operator Well No.: WV9502

LOCATION: Elevation: 659.39 Quadrangle: SISSONVILLE
 District: POCA County: KANAWHA
 Latitude: 9470 Feet South of 38 Deg. 32 Min. 30 Sec.
 Longitude 5680 Feet West of 81 Deg. 37 Min. 30 Sec.

Well Type: OIL _____ GAS X

Company: Viking Energy Inc.
PO Box 13366
Charleston, WV 25360

Coal Operator N/A
 or Owner N/A

Agent: Michael Pinkerton

Coal Operator N/A
 or Owner N/A

Permit Issued: 09/22/94

AFFIDAVIT

STATE OF WEST VIRGINIA,
 County of Kanawha

ss:

Viking Energy Inc. and Michael Pinkerton being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by the above named well operator, and participated in the work of plugging and filling the above well, and Carlos Hively Oil and Gas Inspector representing the Director, say that said work was commenced on the 21st day of September, 1994, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
6% Gel Hole	5562	0		
200 ft. Latex cement plug	5562	5325		
6% Gel Hole				
200 ft. Latex cement plug	2550	2350	2518	3076
Bridge plug	1725			9 5/8, 1818 ft.
600 ft. Cement plug	1725	1125		
Gel Hole and Cement plug	280	0	2 3/8, 5562	

W.A.J. 10/4/94

Description of monument: Cement 7 in. monument with API number
 and that the work of plugging and filling said well was completed on the 28th day of September, 1994.

And further deponents saith not.

Michael Pinkerton

Sworn and subscribe before me this 29 day of Sept., 1994
 My commission expires: _____

Wilma L. Beane
 Notary Public



OFFICIAL SEAL
 NOTARY PUBLIC
 STATE OF WEST VIRGINIA
 WILMA L. BEANE
 6817 Sissonville Drive
 Charleston, West Virginia 25312
 My Commission Expires Nov. 27, 1995

Oil and Gas Inspector: _____

0078 1994