

Latitude $39^{\circ} 15'$

$12^{\circ} 30'$

Longitude $78^{\circ} 45'$

Large White Oak In Fence Corner

$535^{\circ} 30' E - 1010'$
 $N 35^{\circ} 45' W - 1050'$

9397

Stake, 3 White Oaks & White Pine Pointers.

$580^{\circ} W - 100'$

WALTER FREYGANG, JR.

$52^{\circ} 30' W - 1000'$

Stk. Where Old White Oak Stood. Poplar & Gum Pointers.

ROY V. SAVILLE

5.40 S
1.13 W

H. B. MILLER, ET. AL.

BENCH MARK DESCRIPTION

Inkerman, 4.0 Miles North of Horn Camp Run, in South East Corner of East Wall of B. Saville's Residence. Bronze Tablet Stamped W. Va. 1920-1544. Elev. 1542.87'

DEGREE OF ACCURACY
One Part in 200

7.5' loc
 $2.765 \ 39^{\circ} 12' 30''$
 $N 13^{\circ} W \ 78^{\circ} 45'$
calc 15' loc 5.645
N 13 W

White Oak & Hickory

- 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 1542.87'

Company UNITED FUEL GAS CO.
 Address CHARLESTON, W. VA.
 Farm H. B. MILLER, ET. AL.
 Tract _____ Acres 3.14 Lease No. 5724
 Well (Farm) No. _____ Serial No. 9397
 Elevation (Spirit Level) 1754.65' 9397
 Quadrangle MOOREFIELD - NE Sector 75 quad
 County HAMPSHIRE District SHERMAN
 Engineer A. P. F. ...
 Engineer's Registration No. 2523
 File No. 216-115 Drawing No. _____
 Date JUNE 2, '66 Scale 1" = 200'

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

WELL LOCATION MAP
 FILE NO. Hamp-22

→ 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.

6-6 304 Deep well (Helderberg)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Rotary
Spudder
Cable Tools
Storage

WELL RECORD

Oil or Gas Well Gas
(KIND)

Drangile Moorefield
Permit No. Hamp.-22

Company United Fuel Gas Company
Address P.O. Box 1273 Charleston, W. Va. 25325
Farm H. B. Biller, et al Acres 849.87 Merger
Location (waters) Horn Camp Run
Well No. 9397 Elev. 1754.65'
District Sherman County Hampshire
The surface of tract is owned in fee by
Mineral rights are owned by H. B. Biller, et al
Address Kirby, W. Va.
Drilling commenced 6-20-66
Drilling completed 7-13-66
Date Shot From To

Casing and Tubing	Used in Drilling	Left in Well	Packers
16			Kind of Packer
13 3/8	83' Cemented with		65 sacks cement
10	1844' Cemented to surface		Size of
9 5/8	6478' Cemented with		Depth set
7 7/8	300 sacks neat cement		Perf. top
5 3/16			Perf. bottom
4 1/2		6778'	Perf. top
3			Perf. bottom
2 3/8			

Attach copy of cementing record.
Open Flow /10ths Water in Inch
Volume 8,690,000 - Oriskany Cu. Ft.
Rock Pressure 2200 lbs. hrs.
Oil bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS)
WELL FRACTURED (DETAILS)
RESULT AFTER TREATMENT (Initial open Flow or bbls.)
ROCK PRESSURE AFTER TREATMENT HOURS
Fresh Water 78 & 90' Feet Salt Water 6742' Feet
Producing Sand Depth

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Shale & Sand			0	180	Fresh water	78' and 90'	
Sand			180	280	Salt water	6742'	
Sand & Shale			280	800			
Shale			800	1090	Gas	6592'	
Sand & Shale			1090	2170	Gas	6705-6709'	
Shale			2170	2630	Gas	6732'	
Shale & Sand			2630	4010	Gas	6736'	
Grey Silty Shale			4010	4935			
Marcellus			4935	6264			All gas gauged 9# spring gauge thru 4" 8,250 M
Needmore			6264	6463			
Oriskany			6463	6466			
Needmore			6466	6506			Final test - 10# spring gauge thru 4" 8,690 M
Oriskany			6506	6721			
Helderberg			6721	6803			
Total Depth			6803'				Shut in 8-16-66



(over)

PLUG AND ABANDON _____ PERFORATE NEW _____
TARGET FORMATION _____ CLEAN OUT AND REPLUG _____
WELL OPERATOR Columbia Gas Transmission Corp. ESTIMATED DEPTH _____
ADDRESS P.O. Box 1273 DESIGNATED AGENT Paul Amick
Charleston, WV 25325-1273 ADDRESS P.O. Box 1273
Charleston, WV 25325-1273

DEC 16 2005

Inkerman 90 (304)

LONGITUDE 78°45'00"
14,548'