

Latitude 39° 00'

Longitude 78° 50'

2.48  
-2.24  
-----  
0.24

Stake On Hillside  
4 Chestnut Oak  
Pointers.

2.245  
2.48W

535°15'W  
2010'

GROVER  
FUNKHOUSER

NORA WILKINS

15" Chestnut Oak

Due West - 100'

Stake in Small Run  
2 Locust Pointers.

Whetzel 9305  
Run

550°00'E - 231'

N61°00'W - 310'

Large Black Oak, Hickory  
Pointer, White Oak &  
Pine Stumps On Bank.

HARRY COMBS

52°30'E - 408'

Set Stone in Bottom  
By Fence.

GROVER FUNKHOUSER

NORA GOUSHENOUR

BENCH MARK DESCRIPTION  
U.S.G.S. - B.M. in Foundation  
Of Holly Hill Church On Kimsey  
Run. Elev. 1526.00.

2.23 S  
2.52 W

DEGREE OF ACCURACY  
One Part In Two Hundred.

I, the undersigned, do hereby certify that this map is correct to the best of my knowledge and belief and that all the information required by Paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

2 DC (H-16) Seybert R. Farrell

- New Location...
- Drill Deeper.....
- Abandonment.....

Company UNITED FUEL GAS CO.  
 Address CHARLESTON, W.VA.  
 Farm HARRY COMBS ET. AL.  
 Tract \_\_\_\_\_ Acres 91 Lease No. 58593  
 Well (Farm) No. 1 Serial No. 9305  
 Elevation (Spirit Level). 1701.96  
 Quadrangle ORKNEY SPRINGS - NC  
 County HARDY District SOUTH FORK  
 Engineer Seybert R. Farrell  
 Engineer's Registration No. 2529  
 File No. 210-101 Drawing No. \_\_\_\_\_  
 Date 6-22-64 Scale 1" = 400'

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

**WELL LOCATION MAP**  
FILE NO. HARDY-13

+ 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.

Samples 3300 - 6785' 6-6 328 Deep Well



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

Quadrangle Orkney Springs

Permit No. Hardy - 13

**WELL RECORD**

Oil or Gas Well Gas  
(KIND)

Company United Fuel Gas Company  
Address Box 1273 - Charleston, W. Va.  
Farm Harry Combs, Et. Al Acres 91  
Location (waters) Wetzel Run of Kimseys Run  
Well No. 9305 Elev. 1701.96  
District Lost River County Hardy  
The surface of tract is owned in fee by Harry Combs  
Lost River Address West Virginia  
Mineral rights are owned by Harry Combs  
Address \_\_\_\_\_  
Drilling commenced 7-18-64  
Drilling completed 9-26-64  
Date Shot \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
With \_\_\_\_\_  
Open Flow \_\_\_\_\_ /10ths Water in \_\_\_\_\_ Inch  
\_\_\_\_\_ /10ths Merc. in \_\_\_\_\_ Inch  
Volume 44,000M Cu. Ft.  
Rock Pressure 2340# lbs. 48 hrs.  
Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
WELL ACIDIZED 10-13-64 See back

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
XX 20"	45'	45'	Kind of Packer
XX 13-3/8	246'	246'	
XX 9-5/8	1786'	1786'	Size of
8 1/4			
XX 7"	6426'	6426'	Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
5-1/2	720'	720'	Perf. bottom

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. Ft. \_\_\_\_\_ D \_\_\_\_\_

COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCH  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCH  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCH

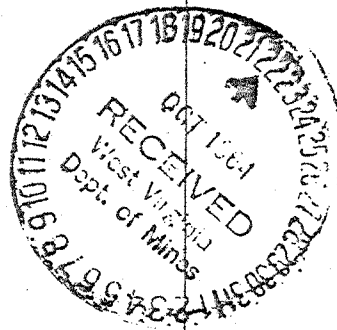
WELL FRACTURED \_\_\_\_\_

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
Sand and Shale			0	4500	Fresh water	28' 85'	
Grey Shale			4500	5350		505'	
Marcellus Shale			5350	6250		750'	
Metabentonite at			6250	Top Onondaga			
Needmore Shale			6250	6425			
Oriskany Sand			6425	6760	Gas 6426 -	500M	
Holderberg Lm.			6760	6785	6650-55 -	14,230M	
				485			
					6250	6425	6760
					1702	1702	1702
					4548	4723	5058
				6250			
				1702			
				4548			



Formation	Color	Hard or Soft	Top //	Bottom	Oil, Gas or Water	Depth Found	Remarks
LOGGING: Schlumberger Corp - 9-26-64							
Gamma Ray							
Density							
Sonic Amplitude							
Sonic							
CASING:							
20" set at 45' Cemented to surface							
13-3/8 set at 246' Cemented to surface							
9-5/8 set at 1786' Cemented to surface							
7" set at 6426' Cemented with 200 sks.							
5 1/2" set at 6408' Cemented with 36 sks.							
STIMULATION:							
Well acidized 10-13-64 with 37,000 Gal 15% H.Cl. and 165M St. Cu. ft. Nitrogen							
Test before Acid - 15# spring Gauge 4" - 10.646M							
Test after Acid - 55# side static 4" - 44.000M							
Rock Pressure 2340# - 48 hrs.							

Date Oct 20, 1964

APPROVED United Fuel Gas Co. Owner

By H. H. H. H. (Title) Sept.