

WV Department of Health and Human Resources  
Bureau of Public Health  
Office of Environmental Health Services  
ENVIRONMENTAL ENGINEERING DIVISION

SW258  
10/01

WELL COMPLETION REPORT

Date(s) 2-20-06 County Mineral Permit #: DW02906032  
Town: Elk Garden Area Name/Location Barnum Rd.  
Well Owner: Carl Hansen Address: Rt 4 box 530a  
Telephone Number: (202)633-3750 Keyser WV 26726  
Well Driller: Miller Brothers Drilling LLC Address: PO Box 952  
Telephone Number: (304)822-4092 Romney WV 26757

WELL LOG

DEPTH IN FEET	FORMATIONS: KIND, THICKNESS, AND IF WATER BEARING	REMARKS:
0-57	Brown & blue shale	Type of Well: <u>Drilled</u> Drilling Method: <u>Air rotary</u>
57-70	Blue shale	Well Diameter: <u>6 1/8"</u> Casing O.D.: <u>7"</u>
70-78	Coal	Well Depth: <u>520'</u> Date Completed: <u>2-20-06</u>
78-360	Shale & limestone	CASING: Length <u>60</u> Feet Height above ground <u>1.5</u> Feet
360-364	Mud seams	<input type="checkbox"/> Steel <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Cast Iron
364-520	Blue shale	Other _____ Type _____
		SCREEN
		<input checked="" type="checkbox"/> None Installed
		Type _____ Diameter _____
		Slot/Gauge _____ Length _____
		Set Between _____ Ft. and _____ Ft.

PUMPING OR BAILING TEST

DETAILS	#1	#2	#3
Static Water Level (Ft. Below Grade)	120		
Pumping Rate (GPM)	1		
Pumping Level (Ft. Below Grade)	518		
Duration of Test (In Hours)	2		
Recovery Time to Static Level (In Hours)			

WELL HEAD

Pitless Adapter: Type, Make, Etc. \_\_\_\_\_  
Well Cap: Type, Make, Etc. \_\_\_\_\_  
Well Seal: Type, Make, Etc. \_\_\_\_\_  
Well Platform:  
Length \_\_\_\_\_ Width \_\_\_\_\_ Thickness \_\_\_\_\_  
Grouting: ☒ Yes ☐ No  
All Public Water Supplies must be grouted.

I hereby certify that this well was drilled and constructed under my supervision, in compliance with all requirements of the referenced permit, and that this record is true to the best of my knowledge and belief.

Bobby Allred 602  
Name Certification No.  
Miller Brothers Drilling LLC 2-20-06  
Registered Business Name  
Bobby & Allred  
Signed Date

Received  
2/24/06



PERMIT TO BE  
PRINTED OR TYPED

STATE OF WEST VIRGINIA  
MINERAL COUNTY HEALTH DEPARTMENT  
ON-SITE SEWAGE DISPOSAL SYSTEM PERMIT

Permit No.: ST -029-06 - 032  
Tax Map E-4 Parcel # 18  
County Road No.: \_\_\_\_\_

Owner: Carl C. Hansen & Virginia M. Gier  
Address: 5303 Ravensworth Road  
Springfield, VA 22151

Certified Installer: Norman A. Parks  
Address: Rt. 4 box 148  
Keyser, WV 26726

You are hereby issued a permit to: ☒ install, or ☐ modify an on-site sewage disposal system located:

1.2 miles down Barnum Road from intersection of Hwy 46

Facility: Residence Design Flow: 2 BR Lot Size: 15 Sq. Ft./Acres Water Source: Well

BASED UPON REVIEW OF THE INFORMATION OF YOUR SUBMITTED APPLICATION DATED 9/10/2005, AND THE PROPER INSTALLATION OF THE HEREIN DESCRIBED SYSTEM, THE SYSTEM SHALL BE IN COMPLIANCE WITH APPLICABLE WEST VIRGINIA SEWAGE SYSTEM RULES AND DESIGN STANDARDS.

The sewage system shall consist of a:

☒ Septic tank - Capacity: 1000 gallons or more, Constructed of: concrete.

☒ Soil disposal system with a minimum equivalency of \_\_\_\_\_ square feet of conventional gravel trench area.

Depth to the bottom of the trench or bed installation shall be: 30 inches from original ground surface.

☒ Gravel system: Lengths of lines: 100, 100, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ feet, Width: 36 inches.

☐ Chamber system: Number of units: \_\_\_\_\_, Length of lines: \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ units,

Manufacturer of chamber: \_\_\_\_\_.

☐ Bed system: ☐ Gravel, ☐ Chamber; Length: \_\_\_\_\_ feet, Width: \_\_\_\_\_ feet.

☐ Other: \_\_\_\_\_

This permit is non-transferable and automatically expires 12 months after issue date.

This permit is NULL and VOID when official inspection reveals conditions different than those stipulated on the permit or facts are later found that would indicate non-compliance with applicable rules.

All systems must be inspected and approved prior to being covered with earth or placed into use.

*The applicant or his agent must notify this department:*

48 hours or more prior to planned inspection time.

Sketch of system:



Draw Arrow  
Toward North

See Application

September 15, 2005  
Issue Date

Mineral 788-1321  
County Office / Phone Number

Additional specifications  
on reverse:

Health Officer or Sanitarian



## ON-SITE SEWAGE SYSTEM PERMIT SUPPLEMENT

The following specifications are presented as a summary of common minimum design requirements applicable to the installation and approval of an on-site sewage disposal system. This form is intended to be a general supplement to a permit, and does not include all conditions relevant to a specific site. Should the owner or certified installer have any concerns, you are encouraged to phone the sanitarian who issued the permit.

1. Conventional on-site sewage disposal systems may be installed by a West Virginia Certified Class I Installer, Conventional systems, including privies, are limited to gravel, chamber or gravelless pipe soil absorption systems, installed no shallower than eighteen (18) inches in the ground, and relying upon gravity flow for distribution. All other systems are to be installed by a Certified Class II Installer.

2. The installation inspection shall be made prior to cover and landscaping. Adequate notification for the final inspection shall be given to the local health department. It is recommended that the final cover and landscaping with seeding be done as soon as possible

3. No part of the system shall be located within 25 feet of a public water supply line, or within 10 feet of a private water supply line, unless protected by a method approved in advance by the health department.

4. A septic tank, vault privy or other sewage tank shall be located a minimum of 50 feet from a private well or ground water source. A minimum of 100 feet is required if water source is downhill of such units.

5. Absorption fields, serial distribution systems, absorption beds, mound systems and other soil absorption systems shall be located to comply with the following distances:

Minimum Distance	FEATURE
10 feet	Building, foundation, or property line
10 feet	Foundation drain upslope from disposal area
20 feet	Stream banks and other open drainage features, whether manmade or natural
20 feet	Manmade cuts in soil and curtain drains
20 feet	Foundation drains downslope from the disposal area
50 feet	Manmade cuts which intersect rock or shale
100 feet	Water supply springs and water supply wells

6. The slope of the piping from the facility to the tank shall be 1/8 th inch per foot, or greater. The piping from the tank to the soil absorption field shall have a minimum drop of 6 inches to a level ground system and a minimum of 10 inches to a sloping ground system. The bottom in each trench or bed and the soil absorption field piping or chambers in each trench or bed shall be level, with zero (0) degree slope.

7. Gravel or aggregate, if used, shall fall within a sizing of 1/2 - 2 1/2 inches in diameter. Such media shall not be less than 6 inches under the 4 inch distribution piping, and not less than 2 inches covering the piping. Hay, straw or untreated paper shall be used to cover the gravel or aggregate prior to inspection by the sanitarian.

8. In chamber systems, the sides are to be "walked in," but the ends are not to be backfilled for the inspection. The chambers shall be installed in accordance with the manufacturer's specifications, or equivalent, including appropriate splash blocks, screws to secure sections and ends and similar requirements.

9. Absorption trenches shall approximate the ground surface contour to minimize depth variation.

10. \_\_\_\_\_

## MINERAL COUNTY HEALTH DEPARTMENT

## SEPTIC TANK SPECIFICATION FORM

INSTALLATION PERMIT NO. ST-029-06-03NAME OF OWNER Carl C. Hansen & Virginia McGierADDRESS 5303 Ravensworth Road Springfield W.Va 26763DIRECTIONS TO PROPERTY 1.2 miles down Barmun Road from  
intersection of Hwy 46

## DESCRIPTION &amp; NUMBER OF UNITS SERVED

TYPE FACILITY SERVED Residence LOT SIZE 15 ACRES/SQ. FT.SOURCE OF WATER SUPPLY Well NO. BEDROOMS TwoNO. GARBAGE GRINDERS None NO. AUTOMATIC WASHERS One

## SEPTIC TANK

MATERIAL Concrete LIQUID CAPACITY 1000 GALLONSDISTANCE TO: DWELLING 100<sup>over</sup> WATER SUPPLY 175 NEAREST PROPERTY LINE 75

## SOIL ABSORPTION SYSTEM

TYPE DRAIN LINE MATERIAL Gravel DIAMETER OF DRAIN LINE 10 INCHESTRENCH WIDTH 24 INCHES TRENCH DEPTH 28 INCHESNO. OF DRAIN LINES Two LENGTH OF EACH LINE 100, 100 FT.TOTAL ABSORPTION AREA IN TRENCH BOTTOM 600 SQ. FT.

TYPE FILTER MEDIA \_\_\_\_\_ TONAGE \_\_\_\_\_

DEPTH FILTER MEDIA UNDER DRAIN LINE \_\_\_\_\_ INCHES

DEPTH FILTER MEDIA OVER DRAIN LINE \_\_\_\_\_ INCHES

DISTANCE OF DISPOSAL FIELD TO: (A) DWELLING 30'(B) WATER SUPPLY 140 (C) NEAREST PROPERTY LINE 202-21-06  
DATEMorman A. Parks  
INSTALLER (SIGNATURE)54-76-0399  
CERTIFICATION NUMBER788-3105  
INSTALLER'S PHONE NO.INSTALLER'S ADDRESS Rt 4 Box 149 Keyser W.Va. 26726

