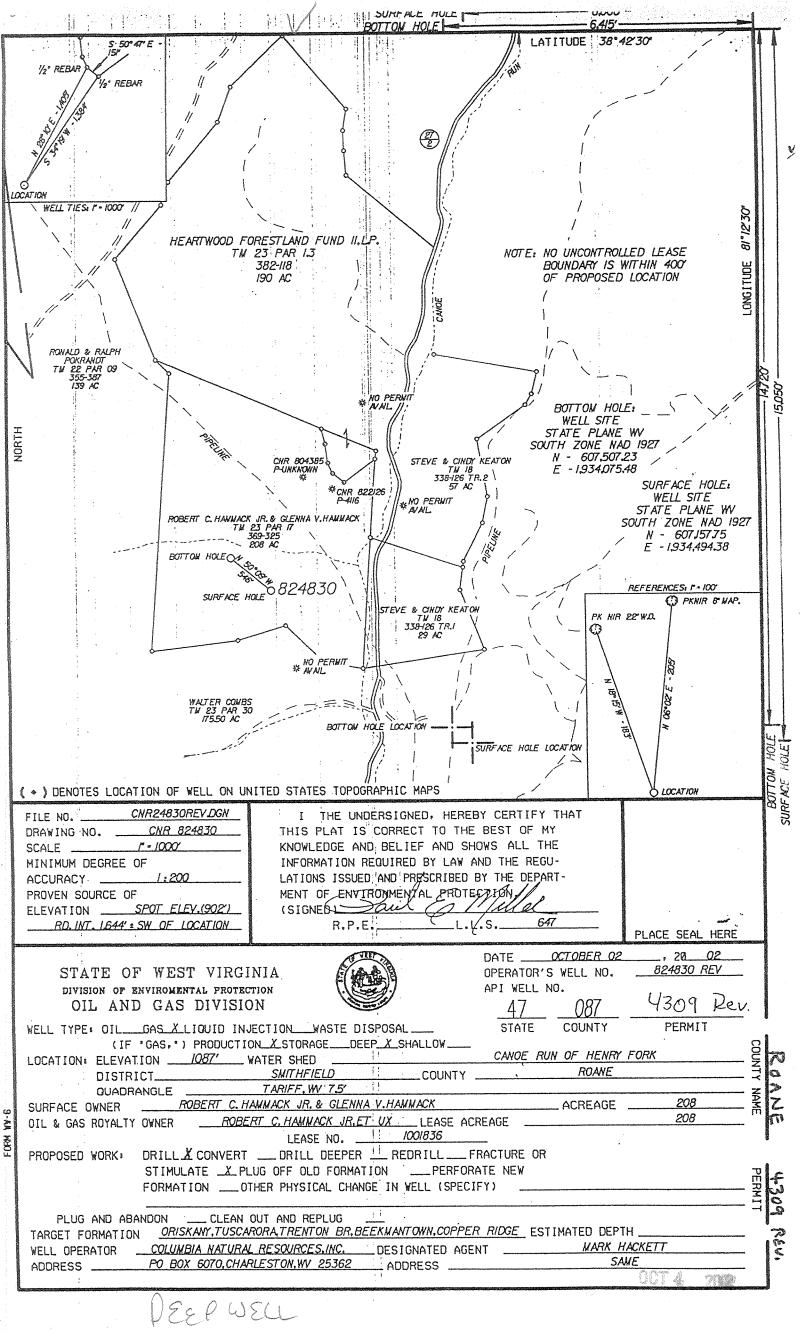
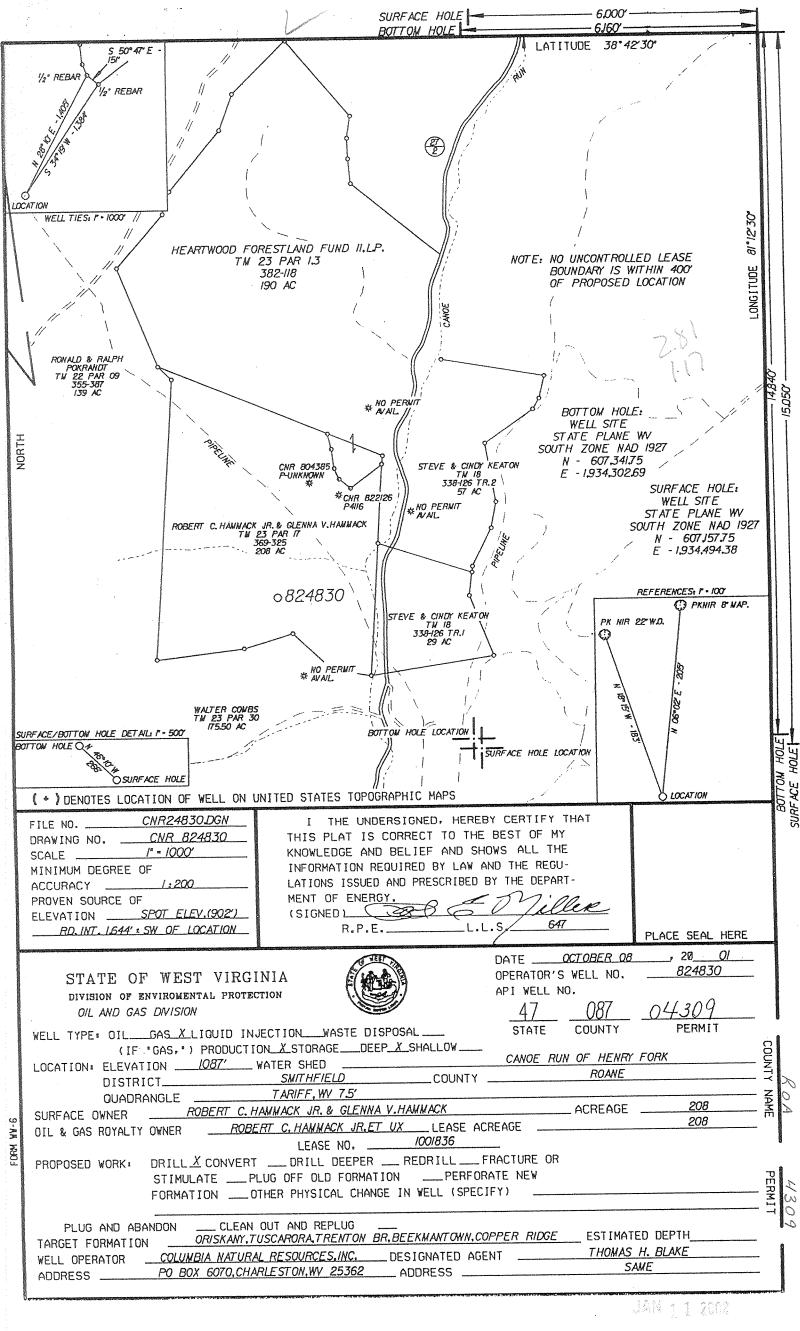


0-0 Amore Laney Me-Newton 198 (

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WR-35 Rev (5-01)

DATE: November 5, 2004 API#: 47-087-04309

# State of West Virginia Department of Environmental Protection Office of Oil and Gas

Well Operator's Report of Well Work

Farm name: Bob & Glenna Hammack	
---------------------------------	--

Operator Well No.: 824830

LOCATION: Elevation: 1087'

Quadrangle: Tariff 7.5'

District: Smithfield

County: Roane

Company:				
Columbia Natural Resources, LLC	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: P. O. Box 6070	30"	16°	16'	243
Charleston, WV 25362	20"	279'	279'	
Agent: Mike John	13 3/8"	2189°	2189'	531
Inspector: Ed Gainer	9 5/8"	6150"		2040
Date Permit Issued: 8/2/2004	7"	9852'	6150'	354
Date Well Work Commenced: 10/03/2004	+	9832	9852'	2295
Date Well Work Completed: 10/31/2004			<del>- </del>	
Verbal Plugging:	<del> </del>	<del>                                     </del>		
Date Permission granted on: 10/29/04		<del> </del>		
Rotary X Cable Rig			4	
Total Depth (feet): 10,976(TVD) 12,353(TMD)	<u> </u>			
Fresh Water Depth (ft.): N/A	<del> </del>	<del> </del>		
1201/6 14/12		ļ		
Salt Water Depth (ft.): 50' in Salt Sand				
Is coal being mined in area (N/Y)? (No)		<del>                                     </del>		
Coal Depths		<u> </u>		
(ft.): N/A				
	1	1	1	

#### OPEN FLOW DATA

Froducing formation	Pay zone de	epth (ft)
Gas: Initial open flow	_MCF/d Oil: Initial open flow	Bbl/d
Final open flow	_MCF/d Final open flow	Bbl/d
Time of open flow betwee		Hours
Static rock Pressure	psig (surface pressure) after	Hours
Second producing formation Gas: Initial open flow Final open flow Time of open flow between Static rock Pressure	MCF/d Oil: Initial open flow  MCF/d Final open flow	th (ft)Bbl/d Bbl/d Hours Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Signed:

By: Tim Smith

Date: 11-05-2004

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## Columbia Natural Resources, LLC Hammack #824830-B Smithfield District, Roane, County, WV 47-087-04309

Top (MD)	Base (MD)	Top (TVD)	Base (TVD)
0	766		
766	884		
884	1574		
1574	1922		
1922	1944		
1944	1984		
1984	2060		
2060	2086		
2086	2448		
2448	2467		
2467	2471		
2471	5805		
5805	5843		
5843	6005		
6005	6065		
6065	6372		
6372	6995		
6995	7012		
7012	7322		
7322	7374		
7374	7881		
7881	7963	7853	7928
7963	8698	7928	8614
8698	9998	8614	9890
9999	10145	9890	10036
10145	10794	10036	10554
10794	11400	10554	10976
	0 766 884 1574 1922 1944 1984 2060 2086 2448 2467 2471 5805 5843 6005 6065 6372 6995 7012 7322 7374 7881 7963 8698 9999 10145	0       766         766       884         884       1574         1574       1922         1922       1944         1984       1984         1984       2060         2060       2086         2086       2448         2448       2467         2471       5805         5805       5843         5805       5843         5805       6065         6065       6372         6372       6995         6995       7012         7012       7322         7374       7881         7881       7963         8698       9998         999       10145         10145       10794	0       766         766       884         884       1574         1574       1922         1922       1944         1944       1984         1984       2060         2060       2086         2086       2448         2448       2467         2467       2471         2471       5805         5805       5843         5843       6005         6005       6065         6065       6372         6372       6995         6995       7012         7012       7322         7374       7881         7881       7963       7853         7963       8698       7928         8698       9998       8614         9999       10145       9890         10145       10794       10036

#### Well 824830-B

Well was open hole from 9606' to 12,353'. The zone consists of the Trenton, Black River and Van Wert formations. The drilling was completed on fluid and had no significant gas shows. The well was logged and plugged back to 9,678' to prepare for kick. The well has gelled fluid from TD to 10,300' with 103 sacks of cement from 10,300' to 9,678.

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DATE: March 15, 2004

API:

47-087-04309

State of West Virginia Division of Environmental Protection Section of Oil and Gas Well Operator's Report of Well Work

Office of Oil & Gas

Farm name: Bob & Glenna Hammack

Location Elevation: 1087' District: Smithfield

Operator Well No: 824830 Quadrangle: Tariff 7.5 County:

Roane

WV Department of Environmental Protection

COLUMBIA NATURAL RESOURCES	Casing & Tubing	Used in drilling	Left in Well	Cement fill up
Address: P.O. Box 6070	30"	16'	16'	243
Charleston, WV 25362	20"	279°	279'	531
Agent: Mike John	13 3/8"	2189'	2189'	2040
Inspector: Ed Gainer	9 5/8"	6150'	6150'	354
Date Permit Issued:	7"	9852'	9852'	2295
Date Well work commenced: 11/12/2002				
Date Well Work completed: 3/25/23				
Verbal Plug Back:				
Date Permission granted on: 03/20/2003)				
Rotary X Cable Rig				
Total Depth (feet):				
Fresh Water Depth (ft): N/A				
Salt Water Depth (ft.): 50' in Salt Sand				
Is coal being mined in area (No)				
Coal Depths (ft): N/A				

## OPEN FLOW DATA - SEE ATTACHED NOTE

Producing formation:

MCF/d

Pay zone depth (ft) from Oil: Initial open flow Bbl/d

Gas: Initial open flow Final open flow

MCF/d

Final open flow Bbl/d

Time of open flow between initial and final tests Hours Static rock Pressure psig (surface pressure) after Hours

2nd producing formation:

Pay zone depth (ft) from

Gas: Initial open flow MCF/d Oil: Initial open flow Bbl/d

Final open flow MCF/d

Final open flow Bbl/d

Time of open flow between initial and final tests Hours Static rock Pressure psig (surface pressure) after Hours

3rd producing formation:

Pay zone depth (ft) from

to from

Gas: Initial open flow MCF/d

Oil: Initial open flow

Bbl/d

Final open flow MCF/d

Final open flow

Bbl/d

Time of open flow between initial and final tests Hours

Static rock Pressure psig (surface pressure) after Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATEDINTERVALS, FRACTURING OR STIMULATING PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

WELL OPERATOR: COLUMBIA NATURAL RESOURCES, INC.

Date: 3-15-04

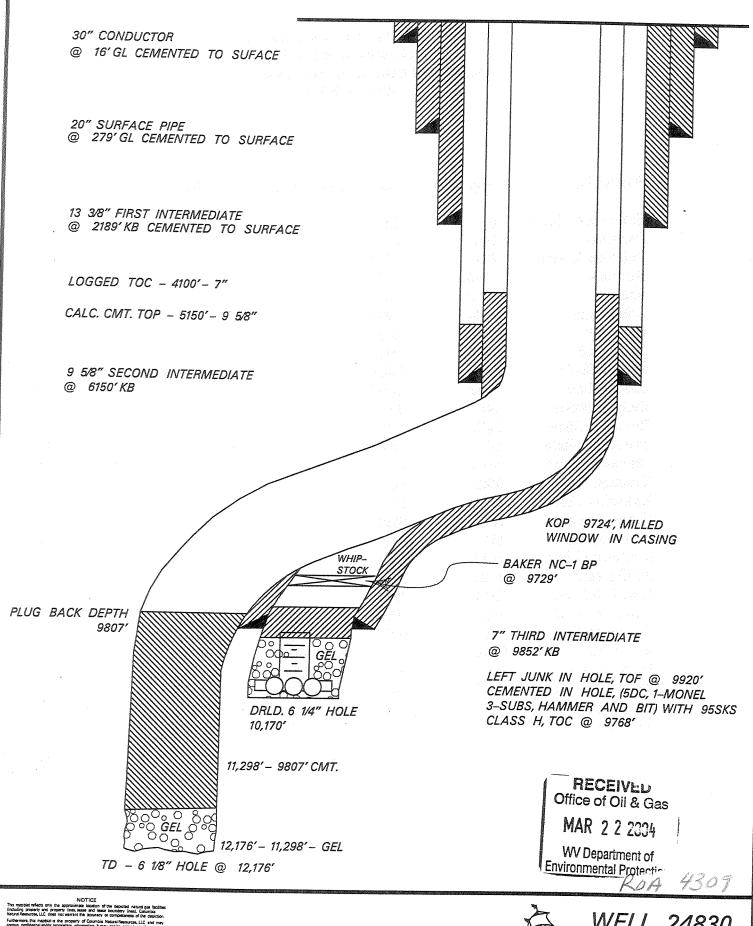
### Well 824830

Well was open hole from 9852' to 12,176'. This zone consists of the Trenton, Black River, Van Wert and Wells Creek formations. The drilling was completed on fluid and had no significant gas shows. The well was logged and plugged back to 9807' to prepare for a kick. The well has 380 sacks of cement spotted form 11,298' to 9807'.

RECEIVED
Office of Oil & Gas

MAR 2 2 2004

WV Department of Environmental Protection



USGS QUADRANGLE TARIFF, WV



WELL 24830

HAMMACK

# Columbia Natural Resources, LLC Hammack #824830 Smithfield District, Roane County, WV 47-087-04309

					•
	Formation	Top (MD)	Base (MD)	Top (TVD)	Base (TVD)
	Siltstone & shale	0	766		
•	Sandstone	766	884		
	Siltstone & shale	884	1574		
доми	<ul><li>Salt Sand</li></ul>	1574	1922		
	Shale	1922	1944		
Majoraco	Little Lime	1944	1984		
-	Big Lime	1984	2060		
	Injun Sand	2060	2086		
	Pocono Shale	2086	2448		
***************************************	Coffee Shale	2448	2467		
and the second	Berea siltstone	2467	2471		
	Devonian Shale	2471	5805		
**************************************	Marcellus Shale	5805	5843		
translamny).	Onondaga Lime	5843	6005		
MARKET	Oriskany Sand	6005	6065		
Married Services	Helderberg Lime	6065	6372		
watercally	Salina Dolomite	6372	6995		
HISTORY .	Newburg Sand	6995	7012		
MACHENT PARTY	McKenzie Lime	7012	7322		
manufation with	Keefer Sand	7322	7374		
Named Street, Co.	Rose Hill Shale	7374	7881		
enderstands 1	Tuscarora Sand	7881	7963	7853	7928
**************************************	Queenston Shale	7963	8698	7928	8614
parameter.	Martinsburg Shale	8698	9998	8614	9890
· e	Trenton Lime	9998	10152	9890	10044
and the same	Black River Lime	10152	10638	10044	10530
material o	Van Wert Lime	10638	11123	10530	11015
OCCUPATION .	Wells Creek Dolo	11123	12176 (LTD)	11015	12065

Pev '3-04) VVK---8

DATE:

4/08/09

API # 47-8704309

#### STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

## AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Department, 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:

Hammack Hollow, L.L.C.

Operator Well No.: 824830

Agent:

LOCATION: Elevation: 1086'

Quadrangle: Tariff

Smithfield

County: Roane Latitude: 15,050 Feet South of 38 Deg. 42 Min. 30 Sec.

District:

Longitude: 6,000 Feet West of 81 Deg. 12 Min. 30 Sec.

Office (中国 Start APR 1 11 2003

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Well Type: GAS

Company: Chesapeake Appalachia, L.L.C.

Coal Operator None

Environación de la Pressaciado

P.O. Box 6070

Charleston, WV 25362

Coal Owner

Hammack Hollow, L.L.C.

Mike John

201 North Pinch Road Elkview, WV 25071

Permit Issued Date: 9/20/2008

**AFFIDAVIT** 

STATE OF WEST VIRGINIA.

County of Roane

Jim Russell and Robert Schindler 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 say that said work was commenced on the 15th day of September, 2008, and the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Class A cmt plug	11,282'	9,898'		
6% Gel	9,898'	8,013'		
Class A cmt plug	8,013'	7,813'	<u> </u>	
6% Gel	7,813'	7,066'		
Latex cmt plug	7,066'	6,945'		
6% Gel	6,945'	6,376'		
Latex cmt Plug	6,376'	5,955'		
6% Gel	5,955'	3,234'		
			3,216' of 7"	6,636' of 7"
CIBP	3,234'			0,000 017
CIBP	3,232'			
Cmt Retainer	3,156'	***************************************		
			2,001' of 9 5/8"	4,419' of 9 5/8"
Class A cmt plug	3,156'	2,926'		1,410 0/000
6% Gel	2,926'	2,270'		
Class A cmt plug	2,270'	1,851'		· · · · · · · · · · · · · · · · · · ·
Cmt plug	1,851'	1,505'		
6% Gel	1,505'	508'		
Cmt Plug	508'	380'		

Description of monument: 3.5" casing, said well was completed on the 1st day	48' above ground with y of February, 2009.	API tag, and that the work	of plugging and filling
And further deponents saith not.	Jim Russell	In Varill	white the company of
And	Robert Schindler	- KE, Ichnett	<u> </u>
Sworn and subscribe before me this	s eighth day of April 20	)09	and the second seco
My commission expires: September	les a. Crolu		On the land Merce of Sills Comment and Merce of Sills A. Completely
Affidavit reviewed by the Office of Oil a	nd Gas:	Smill in	