

State of West Virginia  
Department of Environmental Protection  
Office of Oil and Gas  
Well Operator's Report of Well Work

DATE: 9-19-2012  
API #: 47-009-00097

Farm name: Linda Greathouse BRK 3H Operator Well No.: 833467

LOCATION: Elevation: 1150' Quadrangle: 247-Bethany

District: Buffalo County: Brooke  
Latitude: 6620' Feet South of 40 Deg. 12 Min. 30 Sec.  
Longitude 1520' Feet West of 80 Deg. 35 Min. 00 Sec.

Company: Chesapeake Appalachia, L.L.C.

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
P.O. Box 18496 Oklahoma City, OK 73154-0496	26"	110'	110'	Driven
Agent: Eric Gillespie	20"	343'	343'	544 Cu. Ft.
Inspector: Bill Hendershot	13 3/8"	731'	731'	931 Cu. Ft.
Date Permit Issued: 6-6-2011	9 5/8"	1781'	1781'	785 Cu. Ft.
Date Well Work Commenced: 11-19-2011	5 1/2"	12749'	12749'	3750 Cu. Ft.
Date Well Work Completed: 6-25-2012				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 5843'				
Total Measured Depth (ft): 12749'				
Fresh Water Depth (ft.): 62', 94'				
Salt Water Depth (ft.): 1025'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 300'				
Void(s) encountered (N/Y) Depth(s) Y 300'				

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OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation Marcellus Pay zone depth (ft) 6,125'-12,617'  
Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow Not Tested 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

Second producing formation \_\_\_\_\_ Pay zone depth (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 between initial and final tests \_\_\_\_\_ Hours  
Static rock Pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

Maddie Williams  
Signature

9-19-2012  
Date

12/14/2012



**PERFORATION RECORD ATTACHMENT**

Well Number and Name: 833467 Linda Greathouse BRK 3H

PERFORATION RECORD			STIMULATION RECORD							
Date	Interval Perforated		Date	Interval Treated		Fluid		Propping Agent		Average Injection
	From	To		Type	Amount	Type	Amount			
6/4/2012	12,116	12,617	6/20/2012	12,116	12,617	Sik wtr	12,423	Sand	601,920	77.5
6/20/2012	11,517	12,018	6/21/2012	11,517	12,018	Sik wtr	12,487	Sand	599,920	77
6/21/2012	10,918	11,422	6/21/2012	10,918	11,422	Sik wtr	12,425	Sand	601,740	79.8
6/21/2012	10,321	10,820	6/23/2012	10,321	10,820	Sik wtr	12,127	Sand	598,120	80
6/23/2012	9,716	10,221	6/23/2012	9,716	10,221	Sik wtr	12,330	Sand	600,760	80
6/23/2012	9,120	9,622	6/24/2012	9,120	9,622	Sik wtr	11,907	Sand	601,140	78.1
6/24/2012	8,521	9,022	6/24/2012	8,521	9,022	Sik wtr	12,055	Sand	602,280	80
6/24/2012	7,922	8,420	6/24/2012	7,922	8,420	Sik wtr	12,253	Sand	601,860	79.8
6/24/2012	7,323	7,824	6/25/2012	7,323	7,824	Sik wtr	11,950	Sand	601,420	78.5
6/25/2012	6,724	7,225	6/25/2012	6,724	7,225	Sik wtr	11,850	Sand	600,260	79.9
6/25/2012	6,125	6,626	6/25/2012	6,125	6,626	Sik wtr	12,066	Sand	599,220	79.9

**LATERAL SIDETRACK WELLBORE (no vertical pilot hole associated with this well)**

**Maximum TVD of wellbore: 5843 ft TVD @ 6200 ft MD**

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
SH/LS/SS	0	0	300	300
PITTSBURG COAL	300	300	307	307
LS/SH	307	307	360	360
SS	360	360	1290	1290
BIG LIME (LS)	1290	1290	1420	1420
BIG INJUN (SS)	1420	1420	1630	1630
SHALE	1630	1630	5689	5661
GENESEO (SH)	5689	5661	5703	5672
TULLY (LS)	5703	5672	5794	5732
HAMILTON (SH)	5794	5732	5988	5816
MARCELLUS (SH)	5988	5816		
TD OF LATERAL			12749	5778