

WR-35  
Rev (9-11)

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

DATE: 4-5-2012  
API #: 47-103-02434

*GES*

Farm name: Chesapeake Appalachia 1H Operator Well No.: 627253

LOCATION: Elevation: 1,379' Quadrangle: Wileyville

District: Proctor County: Wetzel  
Latitude: 6,500' Feet South of 39 Deg. 42 Min. 30 Sec.  
Longitude 2,960' Feet West of 80 Deg. 37 Min. 30 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	20"	60'	60'	Driven
Agent: <u>Eric Gillespie</u>	13 3/8"	1296'	1296'	1395 cf
Inspector: <u>David Scranage</u>	9 5/8"	2745'	2745'	1180 cf
Date Permit Issued: <u>12-10-2008</u>	5 1/2"	12505'	12505'	1808 cf
Date Well Work Commenced: <u>3-26-2010</u>				
Date Well Work Completed: <u>10-11-2010</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): <u>7167'</u>				
Total Measured Depth (ft): <u>12516'</u>				
Fresh Water Depth (ft.): <u>358'</u>				
Salt Water Depth (ft.): <u>None</u>				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depths (ft.): <u>250', 1125'</u>				
Void(s) encountered (N/Y) Depth(s) <u>N</u>				

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

Producing formation Marcellus Pay zone depth (ft) 7,637'-12,359'  
Gas: Initial open flow 3,601 MCF/d Oil: Initial open flow 0 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 4,685 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.

Marlow Williams  
Signature

6-12-2012  
Date

08/31/2012

Were core samples taken? Yes \_\_\_\_\_ No

Were cuttings caught during drilling? Yes  No \_\_\_\_\_

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list N/A

**NOTE: IN THE AREA BELOW 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 THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.**

Perforated Intervals, Fracturing, or Stimulating:

(See Attached)

Plug Back Details Including Plug Type and Depth(s): FC @ 12,409'

<u>Formations Encountered:</u>	<u>Top Depth</u>	<u>/</u>	<u>Bottom Depth</u>
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See attached

**PERFORATION RECORD ATTACHMENT**

Well Name and Number: Chesapeake Appalachia 1H (627253)

PERFORATION RECORD			STIMULATION RECORD							
Date	Interval Perforated		Date	Interval Treated		<i>Fluid</i>		<i>Propping Agent</i>		Average Injection
	From	To		Type	Amount	Type	Amount			
9/28/2010	12037	12359	9/28/2010	12037	12359	Sik Water	12,663	Sand	490,000	84.0
9/29/2010	11637	11959	9/29/2010	11637	11959	Sik Water	10,404	Sand	465,500	87.0
9/30/2010	11237	11557	9/30/2010	11237	11557	Sik Water	10,562	Sand	480,500	84.0
9/30/2010	10837	11159	9/30/2010	10837	11159	Sik Water	10,855	Sand	479,600	94.0
10/1/2010	10437	10759	10/1/2010	10437	10759	Sik Water	11,136	Sand	472,500	86.0
10/2/2010	10037	10359	10/2/2010	10037	10359	Sik Water	10,098	Sand	482,200	86.0
10/3/2010	9637	9959	10/3/2010	9637	9959	Sik Water	9,913	Sand	473,000	90.0
10/4/2010	9233	9559	10/4/2010	9233	9559	Sik Water	10,522	Sand	495,700	86.0
10/5/2010	8837	9159	10/5/2010	8837	9159	Sik Water	10,290	Sand	500,700	88.0
10/7/2010	8437	8759	10/7/2010	8437	8759	Sik Water	10,295	Sand	491,000	90.0
10/9/2010	8037	8359	10/9/2010	8037	8359	Sik Water	12,599	Sand	507,500	90.0
10/11/2010	7637	7959	10/11/2010	7637	7959	Sik Water	10,170	Sand	488,000	89.0

FORMATION/LITHOLOGY	TOP DEPTH (ft)	BOTTOM DEPTH (ft)
SS and SHALE	0	251
COAL	251	253
SHALE	253	1125
COAL	1125	1127
SS and SHALE	1127	1288
SHALE	1288	1290
SS and SHALE	1290	1310
SHALE	1310	1460
SHALE and SS	1460	1488
SS and SHALE	1488	1552
SS	1552	1580
SHALE	1580	1640
SS	1640	1672
SHALE and SS	1672	1700
LMST and SHALE	1700	1760
SHALE	1760	1850
COAL and SHALE	1850	1880
SHALE	1880	1910
SS	1910	2002
SHALE and SS	2002	2062
SHALE	2062	2130
SS and SHALE	2130	2248
SHALE and SS	2248	2252
SHALE	2252	2260
SHALE and LMST	2260	2264
LMST	2264	2270
Big Lime	2270	2336
LMST and SHALE	2336	2340
LMST	2340	2344
LMST and SHALE	2344	2350
SS	2350	2355
Big Injun	2355	2604
SHALE	2604	2600
SHALE and SS	2600	2620
SHALE	2620	3209
Gordon	3209	3219
Benson	3219	4638
SHALE and SS	4638	4750
SHALE	4750	7178
GENESEO	7178	7214
TULLY	7214	7264
HAMILTON	7264	7494
MARCELLUS	7494	12515

08/31/2012