

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

RECEIVED

Farm name: Fork Ridge MSH 5H Operator Well No.: 833095

LOCATION: Elevation: 1391' Quadrangle: Glen Easton

AUG 16 2012

District: Cameron County: Marshall  
Latitude: 3808 Feet South of 39 Deg. 52 Min. 30 Sec.  
Longitude 1223 Feet West of 80 Deg. 37 Min. 30 Sec.

WV GEOLOGICAL SURVEY  
MORGANTOWN, WV

Company: Chesapeake Appalachia, L.L.C.

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
<u>P.O. Box 18496</u> <u>Oklahoma City, OK 73154-0496</u>	<u>20"</u>	<u>100'</u>	<u>100'</u>	<u>95 Cu. Ft.</u>
Agent: <u>Eric Gillespie</u>	<u>13 3/8"</u>	<u>996'</u>	<u>996'</u>	<u>1016 Cu. Ft.</u>
Inspector: <u>Bill Hendershot</u>	<u>9 5/8"</u>	<u>2524'</u>	<u>2524'</u>	<u>1134 Cu. Ft.</u>
Date Permit Issued: <u>5-17-2011</u>	<u>5 1/2"</u>	<u>12368'</u>	<u>12368'</u>	<u>2891 Cu. Ft.</u>
Date Well Work Commenced: <u>7-17-2011</u>				
Date Well Work Completed: <u>4-12-2012</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>6827'</u>				
Total Measured Depth (ft): <u>12379'</u>				
Fresh Water Depth (ft.): <u>120'</u>				
Salt Water Depth (ft.): <u>1660'</u>				
Is coal being mined in area (N/Y)? <u>Y</u>				
Coal Depths (ft.): <u>960'</u>				
Void(s) encountered (N/Y) <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) 7,403' - 12,241'

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

Final open flow 3,524\* MCF/d Final open flow 41 Bbl/d

Time of open flow between initial and final tests 64 Hours \*Calculated

Static rock Pressure 4,419\* 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.

Marlene Williams  
Signature

8-15-2012  
Date





<b>HORIZONTAL WELL (No pilot hole associated with this pad)</b>				
<b>Maximum TVD of wellbore:</b>	6827 ft TVD @ 8214 ft MD			
Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
SS and LS	0	0	170	170
SS and minor LS	170	170	280	280
SH and minor SS	280	280	310	310
SS and LS	310	310	420	420
SS and minor LS	420	420	490	490
SH and SS	490	490	610	610
SS	610	610	730	730
SS and minor LS	730	730	790	790
SS and LS	790	790	840	840
LS and minor SS	840	840	880	880
LS	880	880	960	960
Pittsburgh Coal	960	960	1000	1000
SS	1000	1000	1036	1036
SS and minor LS	1036	1036	1060	1060
SS and minor SILTSTN	1060	1060	1150	1150
SS	1150	1150	1860	1860
Maxton	1787	1787	1802	1802
SS	1802	1802	1860	1860
SS and minor LS	1860	1860	1880	1880
SS	1880	1880	2011	2011
Big Lime	2011	2011	2020	2020
SS and LS	2020	2020	2044	2044
Big Injun	2044	2044	2050	2050
SS	2050	2050	2430	2430
SH	2430	2430	6840	6574
Middlesex	6840	6574	6953	6655
Geneseo	6953	6655	6984	6666
Tully	6984	6666	7028	6700
Hamilton	7028	6700	7340	6799
Marcellus	7340	6800		
End of Well			12379	6798