

WR-35
Rev (9-11)

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

DATE: 3-21-2013
API #: 47-009-00136

Farm name: Russell Hervey BRK 8H Operator Well No.: 836179

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LOCATION: Elevation: 1,160' Quadrangle: Stuebenville East

MAR 25 2013

District: Buffalo County: Brooke
Latitude: 4,250' Feet South of 40 Deg. 17 Min. 30 Sec.
Longitude 12,250' Feet West of 80 Deg. 32 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>138'</u>	<u>138'</u>	<u>244 Cu. Ft.</u>
Agent: <u>Eric Gillespie</u>	<u>13 3/8"</u>	<u>378'</u>	<u>378'</u>	<u>454 Cu. Ft.</u>
Inspector: <u>Gayne J. Knitowski</u>	<u>9 5/8"</u>	<u>1,716'</u>	<u>1,716'</u>	<u>791 Cu. Ft.</u>
Date Permit Issued: <u>8-29-2012</u>	<u>5 1/2"</u>	<u>11,176'</u>	<u>11,176'</u>	<u>1,090 Cu. Ft.</u>
Date Well Work Commenced: <u>12-23-2012</u>				
Date Well Work Completed: <u>1-6-2013(Rig release date)</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>5,959'</u>				
Total Measured Depth (ft): <u>11,177'</u>				
Fresh Water Depth (ft.): <u>48'</u>				
Salt Water Depth (ft.): <u>1100'</u>				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depths (ft.): <u>245'</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) (n/a-not frac'd)

Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow N/A* MCF/d Final open flow _____ Bbl/d *TIL 6-10-2013
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.

Marlene Williams
Signature

3-22-2013
Date

Were core samples taken? Yes _____ No N

Were cuttings caught during drilling? Yes Y No _____

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list _____
LWD GR from 5305-11177' MD.

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.

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Perforated Intervals, Fracturing, or Stimulating:

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Scheduled fracturing date 4-3-2013

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Plug Back Details Including Plug Type and Depth(s):

Formations Encountered:	Top Depth	/	Bottom Depth
<u>Surface:</u>			

See attachment

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WV GEOLOGICAL SURVEY
MORGANTOWN, WV

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

Maximum TVD of wellbore: 5959 ft TVD @ 11177 ft MD

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
LS/SILT	0	0	272	272
PITTSBURG COAL	272	272	282	282
LS/SHALE/SILT	282	282	380	380
SS	380	380	440	440
SHALE	440	440	590	590
LS/SILT/SHALE	590	590	856	856
KITTANNING COAL	856	856	862	862
SS/SILT	862	862	1267	1267
BIG LIME	1267	1267	1315	1315
BIG INJUN (SS)	1315	1315	1612	1612
SHALE	1612	1612	5672	5648
GENESEO (SH)	5672	5648	5688	5661
TULLY (LS)	5688	5661	5748	5710
HAMILTON (SH)	5748	5710	6027	5849
MARCELLUS (SH)	6027	5849		
TD OF LATERAL			11177	5959