

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

DATE: 8/1/2011  
API #: 47-097-03686

Farm name: James Ogden 3H Operator Well No.: 831599

LOCATION: Elevation: 1950' GL Quadrangle: 582 - Rock Cave

District: 01 - Banks County: 097 - Upshur  
Latitude: 10,114' Feet South of 38 Deg. 50 Min. 00 Sec.  
Longitude 6450' Feet West of 80 Deg. 15 Min. 00 Sec.

Company: Chesapeake Appalachia, LLC

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
P.O. Box 18496, Oklahoma City, OK 73154	20'	40'	40'	7 cf
Agent: <u>Eric Gillespie</u>	13 3/8"	578'	578'	718 cf
Inspector: <u>Bill Hatfield</u>	9 5/8"	2400'	2400'	1086 cf
Date Permit Issued: <u>10-30-2009</u>	7"	7451'	7451'	542 cf
Date Well Work Commenced: <u>9/13/2010</u>	4 1/2" liner	5486'-12,896'	5486'-12,896'	753 cf
Date Well Work Completed: <u>5/7/2011</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary Cable Rig				
Total Vertical Depth (ft): <u>7210'</u>				
Total Measured Depth (ft): <u>12,896</u>				
Fresh Water Depth (ft.): <u>100', 475'</u>				
Salt Water Depth (ft.): <u>None</u>				
Is coal being mined in area (N/Y)? <u>No</u>				
Coal Depths (ft.): <u>150'</u>				
Void(s) encountered (N/Y) Depth(s)				

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

Producing formation Marcellus Pay zone depth (ft) 7,642' - 12,754'

Gas: Initial open flow 1,630 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 3,245 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

RECEIVED

AUG 2 2011

WV GEOLOGICAL SURVEY  
MORGANTOWN, WV

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.

Donnie Shipp Regulatory Compliance Specialist 8-1-2011  
Signature Date

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

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

Were  Electrical,  Mechanical,  or Geophysical logs recorded on this well?  
Y/N                      Y/N                      Y/N

**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:

Formation tops from mud logs from 2400' to 6893'. GR MWD used to pick formation tops from 6893' to TD.

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Formations Encountered: \_\_\_\_\_ Top Depth \_\_\_\_\_ / \_\_\_\_\_ Bottom Depth  
Surface: \_\_\_\_\_

Sand and Shale Shallow fill 0/2400'

Siltstone, very minor sand and limestone 2400'/5200'

Sandstone, minor shale 5200'/5480'

Siltstone, thin-bedded shale and sand 5480'/6893'

Geneseo 6893'/6930'

Tully 6930'/6952'

Hamilton 6952'/7050'

Marcellus 7050'/TD

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