

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

Farm name: Stephen Colvin 1 Operator Well No.: (832515)

LOCATION: Elevation: 1028' Quadrangle: Bens Run

District: Lafayette County: Pleasants
Latitude: _____ Feet South of ³⁹ Deg. ²⁵ Min. ⁰⁰ Sec.
Longitude _____ Feet West of ⁸¹ Deg. ⁰⁰ 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	20"	80'	80'	Driven
Agent: Eric Gillespie	13 3/8"	316'	316'	313 Cu. Ft.
Inspector: Joe Taylor	9 5/8"	2020'	2020'	959 Cu. Ft.
Date Permit Issued: 12/14/2010	7"	6426'	6426'	633 Cu. Ft.
Date Well Work Commenced: 2/17/2011				
Date Well Work Completed: 10/17/2011				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft.): 6,426' (cement plug @ 6,338')				
Total Measured Depth (ft.): 6,426'				
Fresh Water Depth (ft.): 200'				
Salt Water Depth (ft.): None				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): None				
Void(s) encountered (N/Y) Depth(s) N				

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

Producing formation Marcellus Pay zone depth (ft) 6,168'-6,170'

Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d

Final open flow ^{23*} _____ MCF/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests ²⁴ _____ Hours *Calculated

Static rock Pressure 4,177* 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

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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

8/7/2012
Date

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 resistivity, neutron, density
spectral GR, FMI, sonic scanner

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): Cement Plug Back @ 6,338'

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

(See attached)

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073-02525

LITHOLOGY	TOP DEPTH (FT)	BOTTOM DEPTH (FT)
SS	0	150
SLTSTN / SS	150	350
SHALE	350	400
SS	400	500
SHALE / SS	500	600
SLTSTN / SS	600	860
LS / SLTSTN	860	1320
SS	1320	1450
SLTSTN / SS	1450	1900
LS / SLTSTN	1900	1950
SLTSTN / SS	1950	2100
SLTSTN	2100	2500
SLTSTN / SS	2500	5370
RHINESTREET	5370	6000
MIDDLESEX	6000	6113
TULLY	6113	6116
MARCELLUS	6116	6175
ONONDAGA	6175	6395
ORISKANY	6395	6426

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