

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

DATE: 2-3-2012
API #: 47-073-02525

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.

AUG 08 2012

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

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

01/11/2013

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'**

Formations Encountered:	Top Depth	/	Bottom Depth
Surface:			

(See attached)

PERFORATION RECORD ATTACHMENT

Well Name and Number: Stephen Colvin 1 (832515)

PERFORATION RECORD			STIMULATION RECORD							
Date	Interval Perforated		Date	Interval Treated		Fluid		Propping Agent		Average Injection
	From	To		Type	Amount	Type	Amount			
9/1/2011	6,168	6,170	10/17/2011	6,168	6,170	Slk Wtr	1,403	Sand	24,288	28.0

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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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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