

WR-35
Rev (9-11)

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

DATE: 2-24-2012
API #: 47-051-01291

Farm name: O E Burge Operator Well No.: 8H (626842)

LOCATION: Elevation: 1355' Quadrangle: Glen Easton 7 1/2'

District: Liberty County: Marshall
Latitude: 1947' Feet South of 39 Deg. 47 Min. 30 Sec.
Longitude 14861' Feet West of 80 Deg. 37 Min. 30 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"	100'	100'	Driven
Agent: Eric Gillespie	13 3/8"	1210'	1210'	1256 cf
Inspector: Bill Hendershot	9 5/8"	2623'	2623'	1130 cf
Date Permit Issued: 8/3/2009	5 1/2"	13260'	13260'	3237 cf
Date Well Work Commenced: 8/9/2011				
Date Well Work Completed: 1/22/2012				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 7115'(cement plug 13,186')				
Total Measured Depth (ft): 13260'				
Fresh Water Depth (ft.): 104'				
Salt Water Depth (ft.): 1653'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 910-1000', 1082'-1092', 1663-1673'				
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) 7,405'-13,170'

Gas: Initial open flow 5,990 MCF/d Oil: Initial open flow 22 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 4,625 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.

Matthew Williams
Signature

5/7/2012
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 GR, neutron, density, and resistivity
open hole logs run from 0-2635' MD; LWD GR from 6330-13211' 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.

Perforated Intervals, Fracturing, or Stimulating:

(See Attached)

Plug Back Details Including Plug Type and Depth(s): Cement @ 13,186'

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

(See Attached)

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Formation/Lithology	Top Depth (ft)	Bottom Depth (ft)
SHALE/LS	0	210
LS	210	350
LS/SHALE/SS	350	700
SHALE/SS/LS	700	820
SS	820	910
COAL	910	1000
LS/SHALE	1000	1082
Pittsburg Coal	1082	1092
LS/SHALE	1092	1210
LS	1210	1300
SHALE/LS	1300	1663
Freeport Coal	1663	1673
SHALE	1673	1850
COAL	1850	1870
SHALE/SS	1870	2000
LS	2000	2050
SHALE/LS	2050	2193
Big Lime	2193	2236
Big Injun	2236	2470
SHALE	2470	6989
Geneseo	6989	7009
Tully	7009	7052
Hamilton	7052	7280
Marcellus	7280	13211

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