

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 #: 47-051-01323

Farm name: O E Burge MSH Operator Well No.: 10H (627382)

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

District: Liberty County: Marshall  
Latitude: 1935' Feet South of 39 Deg. 47 Min. 30 Sec.  
Longitude 14868' 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"	1224'	1224'	1310 cf
Inspector: Bill Hendershot	9 5/8"	2620'	2620'	1133 cf
Date Permit Issued: 10/30/2009	5 1/2"	13999'	13999'	3748 cf
Date Well Work Commenced: 10/11/2011				
Date Well Work Completed: 2/8/2012				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input checked="" type="checkbox"/>				
Total Vertical Depth (ft): 7,123'(cement plug 13,880')				
Total Measured Depth (ft): 14,000'				
Fresh Water Depth (ft.): 104'				
Salt Water Depth (ft.): 1653'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 1080'				
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) 7,400'-13,861'

Gas: Initial open flow 6,985 MCF/d Oil: Initial open flow 29 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 4,630 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

5/7/2012  
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 none

**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 @ 13,880'

<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 and LS	0	340
LS, Shale, and SS	340	820
SS	820	1000
LS and Shale	1000	1079
Pittsburgh Coal	1079	1088
LS and Shale	1088	1530
Shale and LS	1530	1700
Shale and SS w/ minor LS	1700	2220
Big Injun	2220	2484
Shale	2484	4450
Shale w/ minor LS	4450	4530
Shale	4530	7020
LS and Shale	7020	7089
Geneseo	7089	7117
Tully	7117	7157
Hamilton	7157	7367
Marcellus	7367	7456
Shale w/ minor LS	7456	13866

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PERFORATION RECORD ATTACHMENT

Well Name and Number: O E Burge MSH 10H(627382)

PERFORATION RECORD			STIMULATION RECORD							
Date	Interval Perforated		Date	Interval Treated		<i>Fluid</i>		<i>Propping Agent</i>		Average Injection
	From	To		Type	Amount	Type	Amount			
1/24/2012	13,468	13,861	1/24/2012	13,468	13,861	Slk Wtr	9,841	Sand	686,260	80.0
1/26/2012	13,018	13,393	1/26/2012	13,018	13,393	Slk Wtr	23,611	Sand	685,960	73.0
1/28/2012	12,550	12,925	1/28/2012	12,550	12,925	Slk Wtr	11,671	Sand	570,880	76.0
1/29/2012	12,081	12,457	1/29/2012	12,081	12,457	Slk Wtr	11,892	Sand	569,856	78.0
1/30/2012	11,613	11,988	1/30/2012	11,613	11,988	Slk Wtr	11,304	Sand	569,830	82.0
1/31/2012	11,145	11,520	1/31/2012	11,145	11,520	Slk Wtr	12,188	Sand	570,540	83.0
2/1/2012	10,677	11,052	2/1/2012	10,677	11,052	Slk Wtr	10,819	Sand	570,360	83.0
2/2/2012	10,209	10,584	2/2/2012	10,209	10,584	Slk Wtr	11,322	Sand	571,020	81.0
2/3/2012	9,748	10,111	2/3/2012	9,748	10,111	Slk Wtr	11,341	Sand	571,200	80.0
2/4/2012	9,273	9,648	2/4/2012	9,273	9,648	Slk Wtr	11,067	Sand	571,000	83.0
2/4/2012	8,804	9,180	2/4/2012	8,804	9,180	Slk Wtr	10,992	Sand	569,920	84.0
2/5/2012	8,341	8,711	2/5/2012	8,341	8,711	Slk Wtr	9,867	Sand	527,800	83.0
2/8/2012	7,865	8,243	2/8/2012	7,865	8,243	Slk Wtr	10,435	Sand	570,710	86.0
2/8/2012	7,400	7,775	2/8/2012	7,400	7,775	Slk Wtr	10,400	Sand	570,310	87.0

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