

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: 1-17-2012  
API #: 47-097-03684

*R.V.*

Farm name: Edward Gower Operator Well No.: 10H

LOCATION: Elevation: 1612' Quadrangle: Cenury

District: Warren County: Upshur  
Latitude: 10.637' Feet South of 39 Deg. 02 Min. 30 Sec.  
Longitude 7039 Feet West of 80 Deg. 12 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"	40'	40'	Driven
Agent: <u>Eric Gillespie</u>	13 3/8"	552'	552'	651 cf
Inspector: <u>Bill Hatfield</u>	9 5/8"	2081'	2081'	1458 cf
Date Permit Issued: <u>10/15/2009</u>	5 1/2"	12209'	12209'	734 cf
Date Well Work Commenced: <u>3/30/2010</u>				
Date Well Work Completed: <u>9/24/2010</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): <u>7700'(12112' plugged back depth)</u>				
Total Measured Depth (ft): <u>12254'</u>				
Fresh Water Depth (ft.): <u>425'</u>				
Salt Water Depth (ft.): <u>N/A</u>				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depths (ft.): <u>None</u>				
Void(s) encountered (N/Y) Depth(s) <u>N</u>				

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

Producing formation Marcellus Pay zone depth (ft) 8253' to 12,095'

Gas: Initial open flow 1301 MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d

Final open flow N/A MCF/d Final open flow \_\_\_\_\_ Bbl/d

Time of open flow between initial and final tests \_\_\_\_\_ Hours

Static rock Pressure 3465 psig (surface pressure) after N/A 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.

Maureen Williams  
Signature

1-20-2012  
Date

01/27/2012

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

Were cuttings caught during drilling? Yes **X** \_\_\_\_\_ 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 2070-7932' MD; LWD GR from 6400-12195' 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:

1st Stage Marcellus 50 holes from 11836' to 12,095' 2nd Stage Marcellus 50 holes from 11442' to 11775'

3rd Stage Marcellus 50 holes from 11040' to 11375' 4th Stage Marcellus 50 holes from 10653' to 10975'

5th Stage Marcellus 50 holes from 10253' to 10572' 6th Stage Marcellus 50 holes from 9853' to 10185'

7th Stage Marcellus 50 holes from 9453' to 9775' 8th Stage Marcellus 50 holes from 9053' to 9375'

9th Stage Marcellus 50 holes from 8653' to 8975' 10th Stage Marcellus 50 holes from 8253' to 8575'

Plug Back Details Including Plug Type and Depth(s): Cement plug @12112'

Formations Encountered: Surface:	Top Depth	/	Bottom Depth
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(see attached)

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FORMATION/LITHOLOGY	TOP DEPTH (ft)	BOTTOM DEPTH (ft)
SS and SLTSN	0	2100
SHALE	2100	2110
SS	2110	2140
SHALE and SS	2140	2200
SS and SHALE	2200	2230
SS	2230	2260
SS and SHALE	2260	2350
SHALE	2350	2560
SLTST and SHALE	2560	2590
SS	2590	2650
SS	2650	2680
Fifth Sand	2680	2704
Bayard	2704	2714
SHALE	2714	2801
Elizabeth	2801	2995
Warren	2995	3130
SHALE	3130	3271
Speechley	3271	3430
SHALE	3430	3470
Balltown	3470	3580
SLTST	3580	3594
SHALE and SLTST	3594	3596
SLTST	3596	3624
SHALE and SLTST	3624	3626
SLTST	3626	3640
SLTST and SHALE	3640	3700
SHALE	3700	3749
Bradford	3749	3850
SHALE	3850	4121
Riley	4121	4294
Riley 3	4294	4509
Benson	4509	4540
SLTST and SHALE	4540	4570
SHALE	4570	4661
Alexander	4661	4720
SHALE	4720	4836
Angola	4836	4840
SHALE	4840	5197
Rhinestreet	5197	5800
SHALE	5800	6195
Elk	6195	6910
Sycamore	6910	7304
Middlesex	7410	7615
Geneseo	7615	7665
Tully	7665	7880
Marcellus	7880	12245

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