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:	1-24-2012
API#:	47-097-03710

Farm name: James Ogden	Operator We	Operator Well No.: 5H (831781)					
LOCATION: Elevation: 1,950'	Quadrangle:	Rock Cave	, WV δυβνε <b>γ</b>	MAR <u>2.2 2012</u> VV GEOLOGICAL SURVEY MORGANTOWN, WV			
District: Banks	County: Upsl	nur					
Longitude 9,250' Feet West of 80 De	38         Deg. 50         Min. 00         Sec.           80         Deg. 15         Min. 00         Sec.		c.	RECEIVED			
Company: Chesapeake Appalachia, L.L.C.	l Carlon 0	177 1 %	T 0 : 11	To tou			
Address: P.O. Box 18496	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.			
Oklahoma City, OK 73154-0496	20"	40'	40	Driven			
Agent: Eric Gillespie	13 3/8"	580'	580'	614 cf			
Inspector: Bill Hatfield	9 5/8"	2407'	2407'	1059 cf			
Date Permit Issued: 1/27/2010	5 1/2"	13293'	13293'	2761 cf			
Date Well Work Commenced: 11/4/2010							
Date Well Work Completed: 5/10/2011							
Verbal Plugging:							
Date Permission granted on:							
Rotary Cable Rig							
Total Vertical Depth (ft): 7,152'							
Total Measured Depth (ft): 13,294'							
Fresh Water Depth (ft.): 475'							
Salt Water Depth (ft.): None							
Is coal being mined in area (N/Y)? N							
Coal Depths (ft.): n/a							
Void(s) encountered (N/Y) Depth(s) Y 144'							
OPEN FLOW DATA (If more than two producing format Producing formation Marcellus Pa Gas: Initial open flow 2,662 MCF/d Oil: Initial open Final open flow MCF/d Final open flow between initial and final tests Static rock Pressure 3,218 psig (surface pressure)  Second producing formation Pay Gas: Initial open flow MCF/d Oil: Initial open flow MCF/d Final	y zone depth (ft) n flow Blow Hours after Hours zone depth (ft) n flow B	7,622'-13151' .bl/d ol/d	ata on separate s	heet)			
Time of open flow between initial and final tests							
Static rock Pressure psig (surface pressure)							

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.

Marles Williams
Signature

3-21-3012 Date

Were core samples taken? YesNo_X We	ere cuttings caught during drilling? Yes X NoNo						
Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list none							
NOTE: IN THE AREA BELOW PUT THE FOLLOWING FRACTURING OR STIMULATING, PHYSICAL CHANGE, ET DETAILED GEOLOGICAL RECORD OF THE TOPS AND COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE	C. 2). THE WELL LOG WHICH IS A SYSTEMAT BOTTOMS OF ALL FORMATIONS, INCLUDING	TC NG					
Perforated Intervals, Fracturing, or Stimulating:	MAR 22 201	2					
See Attached	or man Oralla,	SURVE <del>WV</del>					
Plug Back Details Including Plug Type and Depth(s): BP@ 13,152	2'						
	/ Bottom Depth						
ee attached							

FORMATION/LITHOLOGY	TOP DEPTH (ft)	BOTTOM DEPTH (ft)
SS and Shale	0	1425
Big Lime	1425	1646
Big Injun	1646	1850
SS and Sltst w/ minor Shale	1850	2450
Sltst w/ minor Shale	2450	3998
Benson	3998	4400
Sltst and SS w/ minor Shale	4400	4950
Sltst and Shale w/ minor SS	4950	6650
Sltst and Shale	6650	6795
Geneseo	6795	7140
Tully	7140	7163
Hamilton	7163	7315
Marcellus	7315	13293

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## PERFORATION RECORD ATTACHMENT

Well Name and Number: James Ogden 5H (831781)

PERFO	RATION F	RECORD	STIMULATION RECORD							
	Interval Perforated				Fluid		Prop	pping Agent	Average	
Date	From	To	Date	Interva	l Treated	Type	Amount	Туре	Amount	Injection
3/1/2011	12,829	13,151	3/1/2011	12,829	13,151	Slk Wtr	9,327	Sand	430,760	85
3/12/2011	12,429	12,751	3/12/2011	12,429	12,751	Slk Wtr	11,367	Sand	416,240	84
3/13/2011	12,029	12,351	3/13/2011		12,351	Slk Wtr	10,365	Sand	482,440	84
3/13/2011	11,629	11,951	3/13/2011	11,629	11,951	Slk Wtr	9,684	Sand	404,620	85
3/14/2011	11,229	11,551	3/14/2011	11,229	11,551	Slk Wtr	9,770	Sand	451,880	82
3/14/2011	10,829	11,144	3/14/2011	10,829	11,144	Slk Wtr	10,393	Sand	482,060	85
3/15/2011	10,429	10,751	3/15/2011	10,429	10,751	Slk Wtr	10,371	Sand	481,660	83
3/15/2011	10,029	10,351	3/15/2011	10,029	10,351	Slk Wtr	10,085	Sand	481,900	85
3/16/2011	9,632	9,951	3/16/2011	9,632	9,951	Slk Wtr	18,200	Sand	411,700	83
3/16/2011	9,229	9,551	3/16/2011	9,229	9,551	Slk Wtr	10,308	Sand	427,830	85
3/17/2011	8,836	9,151	3/17/2011	8,836	9,151	Slk Wtr	13,902	Sand	481,800	75
3/17/2011	8,436	8,751	3/17/2011	8,436	8,751	Slk Wtr	9,991	Sand	481,120	. 85
3/18/2011	8,029	8,351	3/18/2011	8,029	8,351	Slk Wtr	10,278	Sand	479,420	85
3/19/2011	7,622	7,951	3/19/2011	7,622	7,951	Slk Wtr	14,701	Sand	447,500	78
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