WR-35 Rev (9-11)

## State of West Virginia Department of Environmental Protection

DATE:	6/27/2013	
API#:	47-051-01575	

Department of Environmental Froteens
Office of Oil and Gas
Well Operator's Report of Well Work

m name: Addison	Operator Well No.: 5H									
CATION: Elevation: 1331'	Quadrangle: Wileyville 7.5'  County: Marshall									
District: Franklin										
Latitude: 5,275 Feet South of 39 Deg.		. 00 Se	ec.							
Longitude 10,890 Feet West of 80 Deg.		. 30 Se	ec.							
Company: Gastar Exploration USA, Inc										
Address: 229 West Main St, Suite 301	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.						
Clarksburg, WV 26301	20"		110'	CTS						
Agent: Michael McCown	13 3/8"		1177'	1071 ft^3						
Inspector: Bill Hendershot	9 5/8"		2625'	1102 ft^3						
Date Permit Issued: 8-31-2012	5 1/2"		12,217'	3417 ft^3						
Date Well Work Commenced: 9-15-2011	2 3/8"		6873'							
Date Well Work Completed: 4-11-2012										
Verbal Plugging:										
Date Permission granted on:										
Rotary Cable Rig 🗸										
Total Vertical Depth (ft): 6831'										
Total Measured Depth (ft): 12,253'										
Fresh Water Depth (ft.): 60'										
Salt Water Depth (ft.): 1600'				_						
Is coal being mined in area (N/Y)? No										
Coal Depths (ft.): Refer to page 2										
Void(s) encountered (N/Y) Depth(s) No										
Producing formation Marcellus Pay Gas: Initial open flow 2856 MCF/d Final open flow DCF/d Final open flow DCF/	zone depth (ft) flow 8 B w 84 Bl	7650' to 12,077' 8bl/d bl/d	data on separate	Received Office of Oil & G						
Static rock Pressure psig (surface pressure) a										
				Alle 201						
Second producing formation Pay zo										
Gas: Initial open flow MCF/d Oil: Initial open flow MCF/d Final open flow										
Time of open flow between initial and final tests_										
Static rock Pressure psig (surface pressure) a										

all the attachments and that, based on my haquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and domplete.

Signature

01/17/2014

Were core samples taken? YesNo_X	Were cuttings caught during drilling? YesNo_X
Were Electrical, Mechanical or Geophysical logs	recorded on this well? If yes, please list No
FRACTURING OR STIMULATING, PHYSI	THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, CAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING RE FROM SURFACE TO TOTAL DEPTH.
Perforated Intervals, Fracturing, or Stimulating:	
See attached sheet:	
Plug Back Details Including Plug Type and Depth	<sup>(s):</sup> n/a
Formations Encountered: Surface:	Top Depth / Bottom Depth
Sewickley Coal 935 - 955	Geneseo 6616 - 6638
Pittsburgh Coal 1090 - 1100	Tully 6638 - 6705
Maxton 2132 - 2182	Hamilton 6705 - 6750
Big Lime 2205-2235	Marcellus 6750 - 6831
Big Injun 2243	
Base of Big Injun 2377	
Weir 2523 - 2693	
Berea 2704 - 2923	
Gordon 2927 - 2957	
Benson 3638 - 3648	
Java 5229 - 5549	t and
Rhinestreet 6027 - 6440	Received Office of Oil & Gas
Cashaqua 6440 - 6538	Cities 2
Middlesex 6538 - 6562	.1111 2013
West River 6562 - 6616	

Fluid & Sand Volume Summary - Addison #5H

Avg Inj	BPM	81	80	80	80	81	80	81	81	80	81	80	80	80	80	80	80	80				
Total Sand	sql	123286	172905	235175	298703	309917	227668	303211	302579	293258	302965	300744	257762	232493	290668	300408	302650	301831	4556223			
40/70 M	lbs	95407	172905	235175	298703	309917	227668	303211	302579	293258	302965	300744	257762	232493	290668	300408	302650	301831	4528344			
100 mesh	lbs	27879	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27879	slqq		
Pump	bbls	342	348	300	331	305	249	228	207	214	196	164	137	121	107	92	79	54	3477	102071 bbls		
Frac Fluid	slqq	3681	5197	6126	7279	6094	5211	5807	5772	5790	5857	6511	5569	5759	6167	0609	5901	5783	98594	Recover		
Fluid Type		slk wtr	slk wtr	slk wtr	slk wtr	sik wtr	slk wtr	slk wtr	slk wtr	slk wtr	slk wtr	slk wtr	slk wtr	slk wtr	slk wtr	slk wtr	slk wtr	slk wtr		Water to Recover		
Perforated interval	의 #	12067	12018	11893	11593	11293	10993	10693	10393	10093	9793	9493	9193	8893	8593	8293	7993	7780				
Perforate	ff f	12043	11928	11643	11343	11043	10743	10443	10143	9843	9543	9243	8943	8643	8343	8043	7743	7650				
Stage		1	2	3	4	2	9	7	8	6	10	11	12	13	14	15	16	17	Totals			
<u>Date</u>		1/31/2013	2/2/2013	2/4/2013	2/6/2013	2/8/2013	2/10/2013	2/12/2013	2/14/2013	2/16/2013	2/18/2013	2/20/2013	2/21/2013	2/23/2013	2/25/2013	2/26/2013	2/27/2013	2/28/2013	C	Rece office of	Oll or	<b>Gas</b> 2013