

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

Farm name: Addison Operator Well No.: 1H

LOCATION: Elevation: 1331' Quadrangle: Wileyville 7.5'

District: Franklin County: Marshall  
Latitude: 5,190 Feet South of 39 Deg. 45 Min. 00 Sec.  
Longitude 10,890 Feet West of 80 Deg. 42 Min. 30 Sec.

Company: Gastar Exploration USA, Inc

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
229 West Main St, Suite 301 Clarksburg, WV 26301	20"		110'	CTS
Agent: Michael McCown	13 3/8"		1178'	1071 ft^3
Inspector: Bill Hendershot	9 5/8"		2543'	1077 ft^3
Date Permit Issued: 8-28-2012	5 1/2"		12,533'	3515 ft^3
Date Well Work Commenced: 9-15-2011	2 3/8"		6661'	
Date Well Work Completed: 4-11-2012				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input type="checkbox"/> Cable <input type="checkbox"/> Rig <input checked="" type="checkbox"/>				
Total Vertical Depth (ft): 6804'				
Total Measured Depth (ft): 12,571'				
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				

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

Producing formation Marcellus Pay zone depth (ft) 7270' to 12,391'  
Gas: Initial open flow 1224 MCF/d Oil: Initial open flow 8 Bbl/d  
Final open flow 2615 MCF/d Final open flow 75 Bbl/d  
Time of open flow between initial and final tests 96 Hours  
Static rock Pressure \_\_\_\_\_ 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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JUL 1 2013

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.

[Signature]  
Signature

6-27-13  
Date

01/17/2014

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

Were cuttings caught during drilling? Yes \_\_\_\_\_ No X

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list No

**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 sheet:

Plug Back Details Including Plug Type and Depth(s): n/a

<u>Formations Encountered:</u>	<u>Top Depth</u>	<u>Bottom Depth</u>
<u>Surface:</u>		
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 - 6804
Big Injun	2243	
Base of Big Injun	2377	
Weir	2523 - 2693	
Berea	2704 - 2923	
Gordon	2927 - 2957	
Benson	3638 - 3648	
Java	5229 - 5549	
Rhinestreet	6027 - 6440	
Cashaqua	6440 - 6538	
Middlesex	6538 - 6562	
West River	6562 - 6616	

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Office of Oil & Gas  
2013

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Fluid & Sand Volume Summary - Addison #1H

Date	Stage	Perforated interval		Fluid Type	Frac Fluid	Pump	100 mesh	40/70 M	Total Sand	Avg Inj
		From	To							
		ft	ft		bbls	bbls	lbs	lbs	lbs	BPM
2/1/2013	1	12357	12381	slk wtr	1804	1054	0	43875	43875	80
2/3/2013	2	12242	12332	slk wtr	4292	361	0	188144	188144	80
2/4/2013	3	12081	12207	slk wtr	6244	344	0	4309	4309	80
2/6/2013	4	11870	12012	slk wtr	3100	318	0	3454	3454	70
2/7/2013	5	11670	11812	slk wtr	2363	370	0	209018	209018	66
2/8/2013	6	11470	11612	slk wtr	5226	296	0	208459	208459	81
2/9/2013	7	11270	11412	slk wtr	5142	301	0	211257	211257	80
2/10/2013	8	11070	11212	slk wtr	4810	285	0	210000	210000	81
2/11/2013	9	10870	11012	slk wtr	4856	262	0	210972	210972	82
2/13/2013	10	10670	10812	slk wtr	4726	254	0	210132	210132	79
2/14/2013	11	10470	10612	slk wtr	4742	247	0	204538	204538	80
2/15/2013	12	10270	10412	slk wtr	5224	215	0	205605	205605	74
2/16/2013	13	10070	10212	slk wtr	4854	221	0	211428	211428	80
2/17/2013	14	9870	10012	slk wtr	4967	196	0	210827	210827	75
2/18/2013	15	9670	9812	slk wtr	4700	215	0	4450	4450	80
2/19/2013	16	9470	9612	slk wtr	2406	177	0	208113	208113	71
2/21/2013	17	9270	9412	slk wtr	6231	143	0	2908	2908	78
2/23/2013	18	9070	9212	slk wtr	2214	150	0	211233	211233	35
2/25/2013	19	8870	9012	slk wtr	4934	183	0	210292	210292	80
2/26/2013	20	8670	8812	slk wtr	4800	141	0	209512	209512	80
2/27/2013	21	8470	8612	slk wtr	5376	111	0	210647	210647	80
2/28/2013	22	8270	8412	slk wtr	4946	135	0	210018	210018	80
2/29/2013	23	8070	8212	slk wtr	4184	119	0	209951	209951	80
2/30/2013	24	7870	8012	slk wtr	4759	108	0	206887	206887	80
3/1/2013	25	7670	7812	slk wtr	4421	83	0	209823	209823	80
3/2/2013	26	7470	7612	slk wtr	4277	72	0			

Office of Oil & Gas

JUL 1 2013

01/17/2014

01-01576

3/2/2013	27	7270	7412	slk wtr	4046	66	0	231469	231469	80
<b>Totals</b>					<b>119644</b>	<b>6427</b>	<b>0</b>	<b>4457321</b>	<b>4457321</b>	
				<u>Water to Recover</u>		<u>126071</u>	<u>bbls</u>			

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