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:	6/27/2013	
API #:	47-051-01534	

ΓΙΟΝ: Elevation: ¹³³¹ '	Ouadrangle:	Powhatan Poi	nt 7.5'					
	_ ` `	Quadrangle: Powhatan Point 7.5'						
District: Franklin Latitude: 11,600 Feet South of 39 De	County: Mar eg. 47 Mi		Sec.					
			Sec.					
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"		1146'	1020 ft^3				
Inspector: Bill Hendershot	9 5/8"		2527'	1058 ft^3				
Date Permit Issued: 4-14-2012	5 1/2"		9864'	2765 ft^3				
Date Well Work Commenced: 3-20-2012	2 3/8"		6425'					
Date Well Work Completed: 4-11-2013								
Verbal Plugging:								
Date Permission granted on:								
Rotary Cable Rig 🗸								
Total Vertical Depth (ft): 6514'								
Total Measured Depth (ft): 9890'								
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								
Final open flow 1560 MCF/d Oil: Initial open final open flow 2280 MCF/d Final open flow Time of open flow between initial and final tests 900 meteors.	ny zone depth (ft) n flow ⁹⁷ I low 172 B 6 Hour	6887' to 9,721' Bbl/d bl/d	ll data on separate s	Receive Office of Oil				
tatic rock Pressurepsig (surface pressure)	afterHo	urs						
econd producing formation Pay las: Initial open flow MCF/d Oil: Initial open Final open flow MCF/d Final open flow	n flowI	Bbl/d		JUL 1				

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 tare bulin 6-27-13 01/17/2014 that the information is true, accurate, and complete.

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										
FRACTURING OR STIMULATING, PH DETAILED GEOLOGICAL RECORD	THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, YSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING BORE FROM SURFACE TO TOTAL DEPTH.									
Perforated Intervals, Fracturing, or Stimulatin	g:									
See attached sheet:										
Plug Back Details Including Plug Type and D	Pepth(s): n/a									
Formations Encountered: Surface:	Top Depth / Bottom Depth									
Sewickley Coal 766 - 786	Geneseo 6355 - 6375									
Pittsburgh Coal 907 - 917	Tully 6375 - 6412									
Maxton 1885 - 1935	Hamilton 6412 - 6452									
Big Lime 1958 - 1988	Marcellus 6452 - 6514									
Big Injun 1988										
Base of Big Injun 2132										
Weir 2317 - 2487										
Berea 2505 - 2745										
Gordon 2840 - 2870										
Benson 3544 - 3554										
Java 5167 - 5487										
Rhinestreet 5839 - 5981										
Cashaqua 5981 - 6270	Pageired									
Middlesex 6270 - 6284	Office of Oil & Gas									
West River 6284 - 6355										
	JUL 1 2013									

Fluid & Sand Volume Summary - Shields #2H

Ϊ	5	_	_		_	_	_	_	_	_	_				
Avg Inj	BPA	80	81	82	81	80	80	8	80	81	80	85			
Total Sand	lbs	87704	32216	30978	328987	58726	96990	58004	358914	58904	358659	351327		3381055	
40/70 M	sql	65646	146289	290483	288023	320140	261739	318884	311972	319838	318202	311376		2952592	
00 mesh	lbs	22058	35927	40495	40964	38586	44897	39120	46942	39068	40457	39951		428463	<u>pls</u>
~ i															72699 bbls
Pump	slqq	318	185	222	196	181	160	157	114	279	128	87		2027	726
Frac Fluid	slqc	2747	810	046	082	979	457	320	846	295	892	198		70672	Over
Fra	_	7	m	_	_	θ	9	_	_	7	9	_		7	Rec
Fluid Type		slk wtr			Water to Recover										
a		1	7	7	7	7	7	7	7	7	7	7			
ed inter	ય ⊭	971	996	953	923	893	863	833	803	773	743	713			
Perforated interva	±	2896	9572	9287	8987	8687	8387	8087	787	7487	7187	6887			
Stage		⊣	7	3	4	2	9	7	∞	6	10	11		Totals	
<u>Date</u>		12/12/2012	12/13/2012	12/14/2012	12/15/2012	12/16/2012	12/17/2012	12/17/2012	12/18/2012	12/19/2012	12/20/2012	12/21/2012			

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