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:	June 7, 2013
API#:	47-051-01485

District: Franklin Latitude: 14,415 Feet South of 39 Deg. Longitude 10,360 Feet West of 80 Deg.	County: Mars			
Latitude: 14,415 Feet South of 39 Deg.	47Min			
Latitude: 14,415 Feet South of 39 Deg.	47Min			
Longitude 10,360 Feet West of 80 Deg.	42 Min	. ³⁰ Se	С.	
		. <u>30</u> Se	c.	
Contan Frantaustina TICA T				
Company: Gastar Exploration USA, Inc.	T =	·		
Address: 229 West Main Street, Suite 301	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Clarksburg, WV 26301	20"	dining	40'	Sanded
Agent: Michael McCown	13 - 3/8"		1,057'	630 ft^3
Inspector: Bill Hendershot	9 - 5/8"		2,514'	989 ft^3
Date Permit Issued: 7/21/2011	5 -1/2"		11,446'	3,051 ft^3
Date Well Work Commenced: 8/27/2011	2 - 3/8"		6,498'	1 3,001.00
Date Well Work Completed: 1/9/2012				
Verbal Plugging:				
Date Permission granted on:				
Rotary Cable Rig 🗸				
Total Vertical Depth (ft): 6,770'				
Total Measured Depth (ft): 11,450'				
Fresh Water Depth (ft.): 60'				
Salt Water Depth (ft.): 1,600'				
Is coal being mined in area (N/Y)? No				
Coal Depths (ft.): 912-932: 1073-1083				
Void(s) encountered (N/Y) Depth(s) No				
PEN FLOW DATA (If more than two producing formation		·	_l	-1

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this description and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information Project that the information is true, accurate, and complete.

11/22/2013

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 Gamma Ray Log
DETAILED GEOLOGICAL RECORD	T THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, IYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING LBORE FROM SURFACE TO TOTAL DEPTH.
Perforated Intervals, Fracturing, or Stimulating	ng:
See attached sheet:	
Plug Back Details Including Plug Type and D	epth(s): n/o
0 0 71	The state of the s
Formations Encountered: Surface:	Top Depth / Bottom Depth
Sewickley Coal 912 - 932	. Geneseo 6541 - 6563
Pittsburgh Coal 1073 - 1083	Tully 6563 - 6610
Maxton 2073 - 2123	Hamilton 6610 - 6740
Big Lime 2124 - 2140	Marcellus 6740 - 6770
Big Injun 2144	
Base of Big Injun 2307	
Weir 2445 - 2625	
Berea 2645 - 2885	
Gordon 2905 - 2935	
Benson 3622 - 3632	
Java 5244 - 5564	
Rhinestreet 6097 - 6449	
Cashaqua 6449 - 6570	
Middlesex 6570 - 6591	
West River 6591 - 6651	

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Fluid & Sand Volume Summary - Hall #1H

			bbls	<u>136032 bbls</u>	Recover	Water to Recover				
	5550129	4222283 5550129	1327846	1770	134262				Totals	
	·									
82	375737	286805	88932	40	8897	slk wtr	7132	6922	15	12/27/2011
83	377473	288260	89213	42	9207	slk wtr	7432	7222	14	12/27/2011
82	377752	288766	88986	72	8670	slk wtr	7732	7522	13	12/22/2011
80	374986	285247	89739	75	8970	slk wtr	8032	7822	12	12/21/2011
81	374653	285969	88684	78	8758	slk wtr	8332	8122	11	12/20/2011
81	365188	277004	88184	98	8759	slk wtr	8632	8422	10	12/19/2011
81	377782	289750	88032	105	8796	slk wtr	8932	8722	9	12/17/2011
80	377341	289232	88109	125	8764	sik wtr	9232	9022	œ	12/16/2011
80	374604	286372	88232	141	9047	slk wtr	9532	9322	7	12/15/2011
80	373273	285132	88141	193	9222	slk wtr	9832	9622	6	12/14/2011
80	363840	277066	86774	180	8684	slk wtr	10132	9922	Сī	12/13/2011
83	374689	286047	88642	193	9525	slk wtr	10432	10222	4	12/11/2011
81	312451	224026	88425	193	8610	slk wtr	10732	10522	ω	12/10/2011
83	375582	288257	87325	235	9098	slk wtr	11032	10822	2	12/9/2011
82	374778	284350	90428	0	9255	slk wtr	11332	11122	Ь	12/7/2011
BPM	lbs	lbs	lbs	bbls	bbls		큐	랴		
				Down			히	From		
Avg Inj	Total Sand	40/70 M	100 mesh	Pump	Frac Fluid	Fluid Type	Perforated interval	Perforate	Stage	Date