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 #:	47-051-01535							

Farm name: Shields	Operator We	ll No.: 3H							
LOCATION: Elevation: 1331'	Quadrangle: Powhatan Point 7.5'								
District: Franklin	County: Marshall								
Latitude: 11,580 Feet South of 39 Deg.	47 Min. 30 Sec.								
Longitude 10,540 Feet West of 80 Deg.									
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"		1147'	1021 ft^3					
Inspector: Bill Hendershot	9 5/8"		2558'	1071 ft^3					
Date Permit Issued: 3-26-2012	5 1/2"		9862'	2761 ft^3					
Date Well Work Commenced: 4-27-2012	2 3/8"		6426'						
Date Well Work Completed: 4-11-2013									
Verbal Plugging:									
Date Permission granted on:									
Rotary Cable Rig 🗸									
Total Vertical Depth (ft): 6519'									
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									
OPEN FLOW DATA (If more than two producing formation Producing formation Marcellus Pay Gas: Initial open flow 3360 MCF/d Oil: Initial open flow 2880 MCF/d Final open flow	zone depth (ft) flow 101 I		data on separate s	heet) Received Office of Oil & G					
Time of open flow between initial and final tests 96	Hour	s		Office of Oil of or					
Static rock Pressurepsig (surface pressure) a	fterHo	urs		JUL 1 2013					
Second producing formation Pay zo Gas: Initial open flow MCF/d Oil: Initial open flo Final open flow MCF/d Final open flo Time of open flow between initial and final tests Static rock Pressure psig (surface pressure) a	wB Hour	rs							

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.

| G-27-13 01/17/2014|

Were core samples taken? YesNoX	Were cuttings caught during drilling? YesNo_X
Were Electrical, Mechanical or Geophysical logs recon	rded on this well? If yes, please list No
FRACTURING OR STIMULATING, PHYSICAL DETAILED GEOLOGICAL RECORD OF TH COAL ENCOUNTERED BY THE WELLBORE	FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, L CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC E TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING FROM SURFACE TO TOTAL DEPTH.
Perforated Intervals, Fracturing, or Stimulating:	
See attached sheet:	
Plug Back Details Including Plug Type and Depth(s):	nlo
Tag Sant Sound Institute of the Control of the Cont	IVa
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 - 6519
Big Injun 1988	
Base of Big Injun 2132	
Weir 2317 - 2487	
Berea 2505 - 2745	
Gordon 2840 - 2870	
Benson 3544 - 3554	
Java 5167 - 5487	d
Rhinestreet 5839 - 5981	Received Office of Oil & Gas
Cashaqua 5981 - 6270	
Middlesex 6270 - 6284	101 1 2013
West River 6284 - 6355	

Fluid & Sand Volume Summary - Shields #3H

		1/9/2013	1/9/2013	1/9/2013	1/8/2013	1/8/2013	1/8/2013	1/7/2013	1/7/2013	1/7/2013	1/6/2013	1/5/2013			Date
	Totals	11	10	9	00	7	6	ഗ	4	ω	2	1			Stage
		6889	7189	7489	7789	8089	8389	8689	8989	9289	9574	9689	#	From	Perforated interval
		7104	7439	7739	8039	8339	8639	8939	9239	9539	9664	9723	#	히	d interval
Water to		sik wtr	slk wtr			Fluid Type									
Water to Recover	72126	7333	7350	7278	7065	7203	6814	8742	7440	6514	4388	1999	bbls		Frac Fluid
73666 bbls	1540	45	71	209	120	143	166	189	190	192	215	0	bbls	Down	Pump
bbis	395884	39003	40288	42157	39495	34714	39206	43021	41010	40429	36125	436	lbs		100 mesh
	754206	82373	53701	72389	74094	91387	66378	76429	89826	69456	78173		lbs		40/70 M
	116000	14000	14000	12000	12000	12000	12000	10000	12000	12000	6000		lbs		Lite Prop
	1266090	135376	107989	126546	125589	138101	117584	129450	142836	121885	120298	436	lbs		Lite Prop Total Sand