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#:	47-051-01539

Rev	(9-1

rm name: Shields	Operator We	ll No.: 7H		
OCATION: Elevation: 1331'	Quadrangle:	Powhatan Point	7.5'	
District: Franklin	County: Mars	shall		
Latitude: 11,465 Feet South of 39 De	eg. 47 Mir		ec.	
Longitude 10,745 Feet West of 80 D	eg. 45 Min	n. 00 So	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"		1149'	1058 ft^3
Inspector: Bill Hendershot	9 5/8"		2506'	1103 ft^3
Date Permit Issued: 3-29-2012	5 1/2"		11449'	3217 ft^3
Date Well Work Commenced: 6-10-2012	2 3/8"		6372'	
Date Well Work Completed: 5-31-2013				
Verbal Plugging:				
Date Permission granted on:				
Rotary Cable Rig				
Total Vertical Depth (ft): 6488'				
Total Measured Depth (ft): 11,480'				
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 form Producing formation Marcellus Producing formation Marcellus Producing formation MCF/d Oil: Initial open Final open flow 1200 MCF/d Fina	ay zone depth (ft) on flow 32 E flow 181 B	6837' to 9371' Bbl/d bl/d		Received
Time of open flow between initial and final tests 7 Static rock Pressure psig (surface pressure				Office of
Static rock ressurepsig (surface pressure	) alter1100	u13		+ 2
Second producing formation Pay				101,
Gas: Initial open flow MCF/d Oil: Initial open flow MCF/d Final open flow		Bbl/d		
Final open flow MCF/d Final open for Time of open flow between initial and final tests	tiowB	bl/d		
Static rock Pressurepsig (surface pressure				

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. 6-27-1301/17/2014

Were core samples tak	en? Yes	_No_X	Were cutt	ings caught during drilling?	YesNoX
Were Electrical, Mech	anical or Geophy	ysical logs recorde	ed on this well? If ye	s, please list No	
FRACTURING OR	STIMULATIN OGICAL REC	G, PHYSICAL O	CHANGE, ETC. 2). TOPS AND BOTT	DETAILS OF PERFORTHE WELL LOG WHICH TOMS OF ALL FORMA TOTAL DEPTH.	H IS A SYSTEMATIC
Perforated Intervals, F	racturing, or Stin	nulating:			
See attached shee	t:				
Phys Book Datails Incl	udina Dlua Tyma	and Donth(s):			
Plug Back Details Incl	uding Plug Type	and Depth(s): n/	a		<del></del>
Formations Encounter Surface:	ed:		Top Depth	1	Bottom Depth
Sewickley Coal	766 - 786		Geneseo	6355 - 6375	
Pittsburgh Coal	907 - 917		Tully 637	75 - 6412	
Maxton 1885 - 19	935		Hamilton	6412 - 6452	
Big Lime 1958 - 1	988		Marcellus	6452 - 6488	
Big Injun 1988					
Base of Big Injun	2132				
Weir 2317 - 2487					
Berea 2505 - 274	5				
Gordon 2840 - 28	70				
Benson 3544 - 35	54				
Java 5167 - 5487					
Rhinestreet 5839	- 5981				
Cashaqua 5981 -	6270				Received Office of Oil & Gas
Middlesex 6270 -	6284				Office of Oil of
West River 6284	- 6355				1 2013

Fluid & Sand Volume Summary - Shields #7H

Date	Stage	Perforate	erforated interval	Fluid Type	Frac Fluid	Pump	100 mesh	40/70 M	Total Sand	Avg Inj
		From	의			Down				
		¥	Ħ		ppls	slqq	lps	lps	sql	BPM
4/1/2013	1	11272	11296	slk wtr	4010	456	106835	71506	178341	80
4/4/2013	7	11157	11247	slk wtr	4369	350	121116	42843	163959	80
4/5/2013	3	10872	11122	slk wtr	6333	336	259149	90331	349480	80
4/6/2013	4	10572	10822	slk wtr	6285	334	259619	90571	350190	80
4/7/2013	2	10272	10522	slk wtr	5583	293	256157	37158	293315	80
4/10/2013	9	9972	10222	slk wtr	6647	264	261679	24896	358556	80
4/12/2013	7	9672	9922	slk wtr	6045	265	259330	92602	351932	80
4/13/2013	∞	9372	9622	slk wtr	6480	240	259437	78695	338132	80
4/15/2013	6	9072	9322	sik wtr	5401	204	258431	93147	351578	81
4/16/2013	10	8772	9022	slk wtr	5859	191	259747	92984	352731	80
4/17/2013	11	8472	8722	slk wtr	6037	163	259607	80834	340441	80
4/18/2013	12	8172	8422	slk wtr	5925	151	259094	90546	349640	80
4/19/2013	13	7872	8122	slk wtr	5775	122	261641	79757	341398	81
4/20/2013	14	7572	7822	slk wtr	5887	107	258576	89253	347829	81
4/21/2013	15	7272	7522	slk wtr	5784	75	258188	92395	350583	80
4/22/2013	16	6972	7222	slk wtr	5524	65	257425	66943	324368	80
O <sup>2</sup>	Totals				91944	3616	3856031	1286442	5142473	
Receive				Water to	Water to Recover	95560 bbls	ppis			
8 Gas										