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#:	47-51-01533	

rm name: Shields	Operator We	ll No.: 1H		
OCATION: Elevation: 1331'	Quadrangle:	Powhatan Point	7.5'	
District: Franklin	County: Mars	shall		
Latitude: 11,620 Feet South of 39 De	eg. 47 Min	n. 30 S	ec.	
Longitude 10,540 Feet West of 80 D	eg. 45 Min	n. 00 S	ec.	
Company: Gastar Exploration USA, Inc				
Address: Company: Gastal Exploration USA, Inc. 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"		2529'	1038 ft^3
Date Permit Issued: 3-1-2012	5 1/2"		9,935'	2780 ft^3
Date Well Work Commenced: 4-2-2012	2 3/8"		6567'	
Date Well Work Completed: 4-11-2013				
Verbal Plugging:				
Date Permission granted on:				
Rotary Cable Rig 🗸				
Total Vertical Depth (ft): 6509'				
Total Measured Depth (ft): 9961'				
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 2496 MCF/d Final open	ay zone depth (ft) en flow 115 I			Received Office of Oil & C
Time of open flow between initial and final tests			C	office of On
Static rock Pressurepsig (surface pressure				JUL 1 20
Second producing formation Pay Gas: Initial open flow MCF/d Oil: Initial open Final open flow MCF/d Final open Time of open flow between initial and final tests	en flowI flowB			
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.

Inhi 6-27-13 01/17/2014

Were core samples taken? YesNo	Were cuttings caught during drilling? YesNo_X
Were Electrical, Mechanical or Geophysical lo	gs recorded on this well? If yes, please list_No
FRACTURING OR STIMULATING, PHY DETAILED GEOLOGICAL RECORD O	THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, ISSUED OF SICAL 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 Stimulating	
See attached sheet:	
Plug Back Details Including Plug Type and De	pth(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 - 6509
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	bovise
Middlesex 6270 - 6284	Office of Oil & Gas
West River 6284 - 6355	
	JUL 1 2013

Fluid & Sand Volume Summary - Shields #1H

Date	Stage	Perforated interval	d interval	Fluid Type	Frac Fluid	Pump	100 mesh	40/70 M	Total Sand	Avg Inj
		From	의			Down				
		¥	¥		slqq	ppls	sql	lps	sql	BPM
12/12/2012	1	9926	9230	slk wtr	3375	385	26000	71621	97621	79
1/4/2013	2	9651	9741	slk wtr	4577	343	47858	151784	199642	81
1/5/2013	33	9366	9616	sik wtr	8712	226	40301	262225	302526	81
1/6/2013	4	9906	9316	slk wtr	7292	184	40396	265738	306134	80
1/7/2013	2	8766	9016	sik wtr	8424	158	38741	316678	355419	81
1/8/2013	9	8466	8716	slk wtr	8082	162	40727	316678	357405	80
1/9/2013	7	8166	8416	slk wtr	7265	118	39203	326802	366005	81
1/10/2013	∞	2866	8116	slk wtr	7089	113	39269	319237	358506	80
1/10/2013	6	7566	7816	sik wtr	7948	103	36300	308389	344689	80
1/10/2013	10	7346	7516	sik wtr	8012	80	41831	25225	294086	80
1/10/2013	11	7121	7291	slk wtr	7638	53	40082	234364	274446	75
	Totals				78414	1925	430708	2825771	3256479	
				Water to Recover	Recover	80339 bbls	sigg			
0										
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of C	ecei									
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