

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: 6/28/2013
API #: 47-051-01450

Farm name: Wengerd Operator Well No.: 6H

LOCATION: Elevation: 1326' Quadrangle: Glen Easton 7.5'

District: Franklin County: Marshall
Latitude: 12.125 Feet South of 39 Deg. 47 Min. 30 Sec.
Longitude 7.795 Feet West of 80 Deg. 42 Min. 30 Sec.

Company: Gastar Exploration USA, Inc

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
229 West Main St, Suite 301 Clarksburg, WV 26301	20"		39'	CTS
Agent: Michael McCown	13 3/8"		1011'	970 ft^3
Inspector: Bill Hendershot	9 5/8"		2455'	1097 ft^3
Date Permit Issued: 3-31-2011	5 1/2"		11955'	3402 ft^3
Date Well Work Commenced: 5-8-2012	2 3/8"		6630'	
Date Well Work Completed: 11-29-2012				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input type="checkbox"/> Cable <input type="checkbox"/> Rig <input checked="" type="checkbox"/>				
Total Vertical Depth (ft): 6728'				
Total Measured Depth (ft): 11,956'				
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 formations please include additional data on separate sheet)

Producing formation Marcellus Pay zone depth (ft) 7286' to 11,886'

Gas: Initial open flow 1944 MCF/d Oil: Initial open flow 33 Bbl/d

Final open flow 2880 MCF/d Final open flow 107 Bbl/d

Time of open flow between initial and final tests 96 Hours

Static rock Pressure _____ psig (surface pressure) after _____ Hours

Second producing formation _____ Pay zone depth (ft) _____

Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d

Final open flow _____ MCF/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests _____ Hours

Static rock Pressure _____ psig (surface pressure) after _____ Hours

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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.

Dan Rubin

6-28-13

10/11/2013

Were core samples taken? Yes _____ No Were cuttings caught during drilling? Yes _____ No Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list No

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

See attached sheet:

Plug Back Details Including Plug Type and Depth(s): n/a

<u>Formations Encountered:</u> <u>Surface:</u>	<u>Top Depth</u>	<u>Bottom Depth</u>
Sewickley Coal	917 - 937	Geneseo 6380 - 6593
Pittsburgh Coal	1080 - 1090	Tully 6593 - 6634
Maxton	2061 - 2111	Hamilton 6634 - 6692
Big Lime	2112- 2142	Marcellus 6692 - 6728
Big Injun	2170	
Base of Big Injun	2315	
Weir	2488 - 2658	
Berea	2658 - 2898	
Gordon	2913 - 2943	
Benson	3635 - 3645	
Java	5250 - 5570	
Rhinestreet	6004 - 6396	
Cashaqua	6396 - 6492	
Middlesex	6492 - 6512	
West River	6512 - 6580	

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Fluid & Sand Volume Summary - Wengerd #6H

Date	Stage	Perforated interval		Fluid Type	Frac Fluid	Pump Down	100 mesh	40/70 M	Total Sand	BPM
		From ft	To ft							
10/2/2012	1	11818	11820	slk wtr	bbls 2464	bbls 0	lbs 3385	lbs 0	lbs 3385	BPM 69
10/3/2012	2	11705	11781	slk wtr	3866	385	0	0	0	72
10/4/2012	3	11420	11660	slk wtr	7652	331	0	0	0	81
10/10/2012	4	11120	11370	slk wtr	6948	341	78176	263072	341248	81
10/12/2012	5	10820	11070	slk wtr	6786	288	77572	284445	362017	80
10/13/2012	6	10520	10770	slk wtr	7164	257	77203	247156	324359	81
10/14/2012	7	10220	10470	slk wtr	6800	244	77162	287593	364755	80
10/15/2012	8	9920	10170	slk wtr	7180	229	77562	271245	348807	80
10/18/2012	9	9620	9870	slk wtr	6788	228	77592	282490	360082	80
10/20/2012	10	9320	9570	slk wtr	6797	181	77555	283146	360701	80
10/22/2012	11	9020	9270	slk wtr	6826	168	77981	284827	362808	80
10/23/2012	12	8720	8970	slk wtr	6698	174	78278	261423	339701	80
10/25/2012	13	8420	8670	slk wtr	6790	140	77536	251834	329370	80
10/26/2012	14	8120	8370	slk wtr	6332	128	78025	258122	336147	80
10/28/2012	15	7820	8070	slk wtr	6875	92	77988	218202	296190	80
10/29/2012	16	7520	7770	slk wtr	7984	80	77950	284309	362259	82
10/31/2012	17	7300	7470	slk wtr	6848	63	77694	283727	361421	81
Totals										
					110798	3329	1164498	4022731	5187229	

Water to Recover

114127 bbls

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