

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: 6/28/2013

API #: 47-059-00377

Farm name: Wengerd Operator Well No.: 1H

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

District: Franklin County: Marshall
Latitude: 12.100 Feet South of 39 Deg. 47 Min. 30 Sec.
Longitude 7.780 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"		1018'	906 ft^3
Inspector: Bill Hendershot	9 5/8"		2530'	1059 ft^3
Date Permit Issued: 8-30-2010	5 1/2"		11637'	3311 ft^3
Date Well Work Commenced: 9-10-2010	2 3/8"		6640'	
Date Well Work Completed: 10-21-2011				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input type="checkbox"/> Cable <input type="checkbox"/> Rig <input checked="" type="checkbox"/>				
Total Vertical Depth (ft): 6730'				
Total Measured Depth (ft): 12,055'				
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) 5064' to 11,574'

Gas: Initial open flow 1356 MCF/d Oil: Initial open flow 0 Bbl/d

Final open flow 3256 MCF/d Final open flow 35 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.

Dave Rubin 6-28-13

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Were core samples taken? Yes _____ No X

Were cuttings caught during drilling? Yes _____ No X

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

Formations Encountered: _____ Top Depth _____ / _____ Bottom Depth
Surface:

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 - 6730
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 #1H

Date	Stage	Perforated Interval		Fluid Type	Frac Fluid	Pump Down	100 mesh	40/70 M	Total Sand	Avg Inp	
		From ft	To ft								
6/22/2011	1	11364	11574	slk wtr	9280	0	88334	286621	374955	84	
6/22/2011	2	11064	11274	slk wtr	9291	303	88560	293289	381849	84	
6/23/2011	3	10764	10974	slk wtr	9587	292	87964	292303	380267	87	
6/23/2011	4	10464	10674	slk wtr	8986	240	88989	292583	381572	87	
6/24/2011	5	10180	10450	slk wtr	8988	241	90130	292321	382451	82	
6/24/2011	6	9864	10074	slk wtr	9300	215	88821	291864	380685	82	
6/24/2011	7	9564	9774	slk wtr	9256	185	89108	290867	379975	80	
6/25/2011	8	9264	9474	slk wtr	9292	176	88829	288695	377524	75	
6/26/2011	9	8964	9174	slk wtr	8810	158	89232	294286	383518	82	
6/26/2011	10	8664	8874	slk wtr	8376	144	89782	293318	383100	83	
6/27/2011	11	8364	8574	slk wtr	8890	120	89879	292525	382404	86	
6/27/2011	12	8064	8274	slk wtr	8933	90	91123	291988	383111	83	
6/28/2011	13	7764	7974	slk wtr	8984	67	89380	293581	382961	83	
6/28/2011	14	7464	7674	slk wtr	8852	52	88539	289736	378275	81	
6/29/2011	15	7164	7374	slk wtr	8764	42	90191	282884	373075	84	
6/29/2011	16	6864	7074	slk wtr	8624	24	88819	289868	378687	85	
Totals					144213	2349	1427680	4666728	6084409		
					Water to Recover	148562 bbls					