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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 #: 47-051-01451

Farm name: Wengerd Operator Well No.: 7H

LOCATION: Elevation: 1313' Quadrangle: Glen Easton 7.5'

District: Franklin County: Marshall
Latitude: 12,130 Feet South of 39 Deg. 47 Min. 30 Sec.
Longitude 7,775 Feet West of 80 Deg. 42 Min. 30 Sec.

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"		40'	Sanded
Agent: Michael McCown	13 3/8"		1079'	947 ft^3
Inspector: Bill Hendershot	9 5/8"		2500'	960 ft^3
Date Permit Issued: 3-31-2011	5 1/2"		12,869'	3036 ft^3
Date Well Work Commenced: 4-25-2011	2 3/8"		6635'	
Date Well Work Completed: 10-21-2011				
Verbal Plugging:				
Date Permission granted on:				
Rotary ☐ Cable ☐ Rig ☑				
Total Vertical Depth (ft): 6743'				
Total Measured Depth (ft): 12,870'				
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) 7494' to 12804'
Gas: Initial open flow 227 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 748 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 24 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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JUL 2013

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 Arkwin 6-28-13

51-01451

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: Surface:	Top Depth / Bottom Depth		Top Depth / Bottom Depth
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 - 6743
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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Office of Oil & Gas
2013

51-01451

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Office of Oil & Gas
JUL 1 2013

Fluid & Sand Volume Summary - Wengerd #7H

Date	Stage	Perforated interval From	Perforated interval To	Fluid Type	Frac Fluid	Pump Down	100 mesh	40/70 M	Total Sand	Avg Inj
		ft	ft		bbls	bbls	lbs	lbs	lbs	BPM
6/30/2011	1	12594	12804	slk wtr	9064	0	88098	289207	377305	82
7/1/2011	2	12294	12504	slk wtr	8898	1144	90242	286508	376750	84
7/1/2011	3	11994	12204	slk wtr	9587	292	88231	291582	379813	84
7/2/2011	4	11694	11904	slk wtr	8986	240	89652	287669	377321	82
7/5/2011	5	11394	11604	slk wtr	8988	241	89934	287702	377636	81
7/5/2011	6	11094	11304	slk wtr	9300	215	90013	292019	382032	82
7/6/2011	7	10794	11004	slk wtr	9256	185	88050	291617	379667	82
7/6/2011	8	10494	10704	slk wtr	9292	176	88060	289290	377350	81
7/7/2011	9	10194	10404	slk wtr	9071	158	88670	288105	376775	84
7/7/2011	10	9894	10104	slk wtr	8904	144	88157	287140	375297	85
7/8/2011	11	9594	9804	slk wtr	9070	120	88360	289240	377600	87
7/8/2011	12	9294	9504	slk wtr	8901	114	87630	289100	376730	87
7/9/2011	13	8994	9204	slk wtr	8868	98	86900	290562	377462	88
7/10/2011	14	8694	8904	slk wtr	8672	77	89650	287444	377094	85
7/10/2011	15	8394	8604	slk wtr	8647	69	88130	288670	376800	86
7/10/2011	16	8094	8304	slk wtr	8709	57	87860	287691	375551	88
7/11/2011	17	7794	8004	slk wtr	8891	43	88720	289265	377985	86
7/11/2011	18	7494	7704	slk wtr	8344	24	93220	282780	376000	88
	Totals				**161448**	**3397**	**1599577**	**5195591**	**6795168**	

Water to Recover **164845 bbls**