

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 #: 47-012,09551-01434

47-051-01434

Farm name: Wengerd Operator Well No.: 2H

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

District: Franklin County: Marshall
Latitude: 12.095 Feet South of 39 Deg. 47 Min. 30 Sec.
Longitude 7.765 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"		1009'	1071 ft^3
Inspector: Bill Hendershot	9 5/8"		2466'	1115 ft^3
Date Permit Issued: 3-30-2011	5 1/2"		12,024'	3366 ft^3
Date Well Work Commenced: 5-8-2012	2 3/8"		6731'	
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): 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) 7286' to 11,886'

Gas: Initial open flow 2328 MCF/d Oil: Initial open flow 69 Bbl/d

Final open flow 3024 MCF/d Final open flow 106 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

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.

Don Rubin 6-28-13

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>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 - 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	

Fluid & Sand Volume Summary - Wengerd #2H

<u>Date</u>	<u>Stage</u>	<u>Perforated interval</u>		<u>Fluid Type</u>	<u>Frac Fluid</u>	<u>Pump</u>	<u>100 mesh</u>	<u>40/70 M</u>	<u>Total Sand</u>	<u>Avg Inj</u>
		<u>From</u>	<u>To</u>							
		ft	ft		bbls	bbls	lbs	lbs	lbs	BPM
10/2/2012	1	11880	11886	slk wtr	1372	0			0	10
10/3/2012	2	11771	11861	slk wtr	5321	389	48251	103913	152164	79
10/4/2012	3	11486	11736	slk wtr	7461	333	77993	287339	365332	81
10/9/2012	4	11186	11436	slk wtr	7155	376	77528	282632	360160	81
10/10/2012	5	10886	11136	slk wtr	6668	328	77636	249444	327080	80
10/11/2012	6	10586	10836	slk wtr	7019	279	77986	292345	370331	81
10/13/2012	7	10286	10536	slk wtr	6797	256	76268	277390	353658	80
10/15/2012	8	9986	10236	slk wtr	6828	247	77441	281883	359324	80
10/16/2012	9	9686	9936	slk wtr	8743	240	77543	285330	362873	80
10/18/2012	10	9386	9636	slk wtr	6849	175	77546	282129	359675	80
10/23/2012	11	9086	9336	slk wtr	6870	191	77522	279423	356945	80
10/24/2012	12	8786	9036	slk wtr	6682	172	78710	275292	354002	80
10/25/2012	13	8486	8736	slk wtr	6404	156	77880	232470	310350	82
10/26/2012	14	8186	8436	slk wtr	6840	132	81440	277563	359003	82
10/27/2012	15	7886	8136	slk wtr	6545	113	77847	193091	270938	82
10/30/2012	16	7586	7836	slk wtr	6596	96	76449	227213	303662	82
11/1/2012	17	7286	7536	slk wtr	6594	84	84849	243206	328055	81

Totals **110744** **3567** **1222889** **4070663** **5293552**

Water to Recover **114311 bbls**