

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 #: 47-051-01468

Farm name: Simms Operator Well No.: 2H

LOCATION: Elevation: 1235' Quadrangle: New Martinsville 7.5'

District: Franklin County: Marshall
Latitude: 1,480 Feet South of 39 Deg. 45 Min. 00 Sec.
Longitude 5,780 Feet West of 80 Deg. 45 Min. 00 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"		40'	Sanded
Agent: Michael McCown	13 3/8"		1060'	1064 ft^3
Inspector: Bill Hendershot	9 5/8"		2505'	1081 ft^3
Date Permit Issued: 5-24-2011	5 1/2"		12,646'	3315 ft^3
Date Well Work Commenced: 5-27-2011	2 3/8"		6528'	
Date Well Work Completed: 12-23-2011				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input type="checkbox"/> Cable <input type="checkbox"/> Rig <input checked="" type="checkbox"/>				
Total Vertical Depth (ft): 6599'				
Total Measured Depth (ft): 12,685'				
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) 7176' to 12,486'

Gas: Initial open flow 1072 MCF/d Oil: Initial open flow 6 Bbl/d

Final open flow 2363 MCF/d Final open flow 31 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.

David ... 6-28-13

01/17/2014

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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	838 - 858	Geneseo	6399 - 6417
Pittsburgh Coal	991 - 1001	Tully	6417 - 6462
Maxton	2015 - 2065	Hamilton	6462 - 6542
Big Lime	2066 - 2096	Marcellus	6542 - 6599
Big Injun	2104		
Base of Big Injun	2280		
Weir	2394 - 2564		
Berea	2586 - 2826		
Gordon	2828 - 2858		
Benson	3573 - 3583		
Java	5141 - 5461		
Rhinestreet	5909 - 6221		
Cashaqua	6221 - 6320		
Middlesex	6320 - 6342		
West River	6342 - 6399		

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1102 1 700

seg & I/O for effluent
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Fluid & Sand Volume Summary - Simms #2H

Date	Stage	Perforated interval		Fluid Type	Frac Fluid	Pump	100 mesh	40/70 M	Total Sand	Avg Inj
		From ft	To ft							
11/10/2011	1	12276	12486	slk wtr	8906		88492	285946	374438	82
11/11/2011	2	11976	12186	slk wtr	8881	337	88012	286761	374773	81
11/12/2011	3	11676	11886	slk wtr	9532	308	88342	285850	374192	83
11/12/2011	4	11376	11586	slk wtr	8840	267	88052	286622	374674	80
11/13/2011	5	11076	11286	slk wtr	8599	233	88293	287143	375436	81
11/13/2011	6	10776	10986	slk wtr	8894	258	88115	288087	376202	80
11/14/2011	7	10476	10686	slk wtr	8868	203	88741	287600	376341	85
11/14/2011	8	10176	10386	slk wtr	9021	216	88970	287901	376871	81
11/15/2011	9	9876	10086	slk wtr	9280	195	89235	285850	375085	84
11/15/2011	10	9576	9786	slk wtr	8778	183	88768	283939	372707	84
11/16/2011	11	9276	9486	slk wtr	8683	154	88073	286224	374297	83
11/16/2011	12	8976	9186	slk wtr	8616	131	88395	288256	376651	83
11/17/2011	13	8676	8886	slk wtr	8482	132	88936	285270	374206	80
11/17/2011	14	8376	8586	slk wtr	8592	131	88869	284791	373660	81
11/17/2011	15	8076	8286	slk wtr	8853	97	88021	287243	375264	82
11/18/2011	16	7776	7986	slk wtr	8578	76	88536	282297	370833	82
11/18/2011	17	7476	7686	slk wtr	8694	63	88237	287792	376029	82
11/19/2011	18	7178	7382	slk wtr	8616	56	88491	285587	374078	83
Totals					158713	3040	1592578	5153159	6745737	

Water to Recover

161753 bbls