

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 #: 47-051-01469

Farm name: Simms Operator Well No.: 3H

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

District: Franklin County: Marshall
Latitude: 1.455 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"		12,792'	3302 ft^3
Date Well Work Commenced: 5-27-2011	2 3/8"		6654'	
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): 6631'				
Total Measured Depth (ft): 12,825'				
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 1145 MCF/d Oil: Initial open flow 6 Bbl/d

Final open flow 2254 MCF/d Final open flow 30 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.

Don Rubin 6-28-13

01/17/2014

51-01469

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

Formations Encountered: Surface:	Top Depth	/	Bottom Depth
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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 - 6631

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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Fluid & Sand Volume Summary - Simms #3H

Date	Stage	Perforated interval		Fluid Type	Frac Fluid	Pump Down	100 mesh	40/70 M	Total Sand	Avg Inj
		From ft	To ft							
11/1/2011	1	12431	12641	slk wtr	9140	0	88389	230496	318885	82
11/1/2011	2	12131	12341	slk wtr	8887	319	88364	285915	374279	85
11/1/2011	3	11831	12041	slk wtr	8917	330	88815	285511	374326	86
11/2/2011	4	11531	11741	slk wtr	8894	254	88214	287730	375944	86
11/3/2011	5	11231	11441	slk wtr	8951	240	88108	288635	376743	84
11/3/2011	6	10931	11141	slk wtr	8767	225	88464	287502	375966	83
11/4/2011	7	10631	10841	slk wtr	8872	388	88781	286798	375579	84
11/4/2011	8	10331	10541	slk wtr	9011	181	88714	283706	372420	83
11/5/2011	9	10031	10241	slk wtr	8578	180	88816	285208	374024	83
11/5/2011	10	9731	9941	slk wtr	8683	315	88603	287290	375893	83
11/6/2011	11	9431	9641	slk wtr	9102	257	87983	287248	375231	83
11/6/2011	12	9131	9341	slk wtr	8693	238	88915	286589	375504	79
11/7/2011	13	8831	9041	slk wtr	8997	117	88287	287280	375567	83
11/7/2011	14	8531	8741	slk wtr	8752	109	88748	286738	375486	83
11/8/2011	15	8231	8441	slk wtr	8671	100	88019	287217	375236	83
11/8/2011	16	7931	8141	slk wtr	8687	125	88203	289329	377532	82
11/9/2011	17	7631	7841	slk wtr	8645	62	87908	287062	374970	81
11/9/2011	18	7331	7541	slk wtr	8489	68	91793	284322	376115	83
11/9/2011	19	7031	7237	slk wtr	8442	72	87934	287028	374962	85
Totals					167178	3580	1683058	5391604	7074662	

Water to Recover

170758 bbls

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