

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: June 17, 2013
API #: 47-51-01502

Farm name: Accettolo, Patricia & Louis Operator Well No.: Accettolo 1H

LOCATION: Elevation: 1296' Quadrangle: New Martinsville 7.5'

District: Franklin County: Marshall
Latitude: 2,095 Feet South of 39 Deg. 45 Min. 00 Sec.
Longitude 540 Feet West of 80 Deg. 47 Min. 30 Sec.

Company: Gastar Exploration USA, Inc

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
<u>229 West Main St, Suite 301</u> <u>Clarksburg, WV 26301</u>	<u>20"</u>		<u>40'</u>	<u>Sanded</u>
Agent: <u>Michael McCown</u>	<u>13 3/8"</u>		<u>1145'</u>	<u>1008 ft^3</u>
Inspector: <u>Bill Hendershot</u>	<u>9 5/8"</u>		<u>2522'</u>	<u>920 ft^3</u>
Date Permit Issued: <u>9-30-11</u>	<u>5 1/2"</u>		<u>12428'</u>	<u>3298 ft^3</u>
Date Well Work Commenced: <u>12-4-12 01-14-12</u>	<u>2 3/8"</u>		<u>6494'</u>	
Date Well Work Completed: <u>5-29-12</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input type="checkbox"/> Cable <input type="checkbox"/> Rig <input checked="" type="checkbox"/>				
Total Vertical Depth (ft): <u>6570'</u>				
Total Measured Depth (ft): <u>12,433'</u>				
Fresh Water Depth (ft.): <u>60'</u>				
Salt Water Depth (ft.): <u>1600'</u>				
Is coal being mined in area (N/Y)? <u>No</u>				
Coal Depths (ft.): <u>898-918; 1077-1087</u>				
Void(s) encountered (N/Y) Depth(s) <u>No</u>				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation Marcellus Pay zone depth (ft) 6570
Gas: Initial open flow 2088 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 2371 MCF/d Final open flow 5 Bbl/d
Time of open flow between initial and final tests 96 Hours
Static rock Pressure 1000 psig (surface pressure) after 96 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

Received
AUG - 2 2013
Office of Oil and Gas
WV Dept. of Environmental Protection

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.

[Signature]
Signature

6-17-13
Date

11/22/2013

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 Gamma Ray Log

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	898 - 918	Geneseo 6431 - 6453
Pittsburgh Coal	1077 - 1087	Tully 6453 - 6490
Maxton	1971 - 2021	Hamilton 6490 - 6525
Big Lime	2040 - 2070	Marcellus 6525 - 6570
Big Injun	2079	
Base of Big Injun	2180	
Weir	2418 - 2588	
Berea	2597 - 2837	
Gordon	2903 - 2933	
Benson	3600 - 3610	
Java	5200 - 5520	
Rhinestreet	5947 - 6248	
Cashaqua	6248 - 6355	
Middlesex	6355 - 6377	
West River	6377 - 6431	

51-01502

Fluid & Sand Volume Summary - Accettolo #1H

Date	Stage	Perforated Interval		Fluid Type	Frac Fluid	Pump Down	100 mesh	40/70 M	Total Sand	Avg Inj
		From ft	To ft							
4/27/2012	1	12236	11259	slk wtr	bbls 3908	bbls 0	lbs 47346	lbs 149113	lbs 196459	BPM 82
4/27/2012	2	11961	11104	slk wtr	7480	308	93076	299581	392657	83
4/28/2012	3	11661	10804	slk wtr	7449	310	94266	300569	394835	81
5/3/2012	4	11361	10504	slk wtr	7574	300	94024	298196	392220	85
5/4/2012	5	11061	10204	slk wtr	6264	513	92457	297686	390143	83
5/5/2012	6	10761	9904	slk wtr	7444	286	94022	296868	390890	83
5/6/2012	7	10461	9604	slk wtr	7648	283	94137	295976	390113	81
5/7/2012	8	10161	9304	slk wtr	6282	313	90933	299348	390281	83
5/8/2012	9	9861	9004	slk wtr	7502	224	94972	307250	402222	83
5/9/2012	10	9561	8704	slk wtr	6443	190	91855	297568	389423	83
5/10/2012	11	9261	8404	slk wtr	6469	163	91341	297960	389301	84
5/14/2012	12	8961	8104	slk wtr	6658	151	91646	297955	389601	81
5/15/2012	13	8661	7804	slk wtr	6209	261	89795	298689	388484	83
5/16/2012	14	8361	7504	slk wtr	6078	100	91206	295714	386920	82
5/17/2012	15	8061	7204	slk wtr	6259	108	91043	300337	391380	82
5/18/2012	16	7761	6904	slk wtr	6383	73	89724	302470	392194	83
5/18/2012	17	7461	6604	slk wtr	6158	66	92089	296577	388666	84
5/19/2012	18	7051	7361	slk wtr	6796	62	92472	277081	369553	83
Totals					119004	3711	1616404	5208938	6825342	

Water to Recover

122715 bbls