

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 #: 47-51-01503

Farm name: Accettolo, Patricia & Louis Operator Well No.: Accettolo 2H

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

District: Franklin County: Marshall
Latitude: 2,085 Feet South of 39 Deg. 45 Min. 00 Sec.
Longitude 520 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>1146'</u>	<u>1052 ft^3</u>
Inspector: <u>Bill Hendershot</u>	<u>9 5/8"</u>		<u>257'</u>	<u>882 ft^3</u>
Date Permit Issued: <u>10-5-11</u>	<u>5 1/2"</u>		<u>11318'</u>	<u>3018 ft^3</u>
Date Well Work Commenced: 12-0-12 <u>01-26-12</u>	<u>2 3/8"</u>		<u>6378'</u>	
Date Well Work Completed: <u>6-03-12</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>6557'</u>				
Total Measured Depth (ft): <u>11,319'</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) 6557

Gas: Initial open flow 1440 MCF/d Oil: Initial open flow 0 Bbl/d

Final open flow 1671 MCF/d Final open flow 8 Bbl/d

Time of open flow between initial and final tests 96 Hours

Static rock Pressure 1105 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

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

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

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

Formations Encountered:Top DepthBottom DepthSurface:

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 - 6557
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		

Fluid & Sand Volume Summary - Accettolo #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>		<u>bbls</u>	<u>bbls</u>	<u>lbs</u>	<u>lbs</u>	<u>lbs</u>	<u>BPM</u>
		<u>ft</u>	<u>ft</u>			<u>Down</u>				
4/26/2012	1	11169	11259	silc wtr	3992	0	47037	151553	198590	82
4/28/2012	2	10894	11104	silc wtr	7508	288	92989	300740	393729	81
4/29/2012	3	10594	10804	silc wtr	7184	256	94011	298591	392602	83
5/3/2012	4	10294	10504	silc wtr	7446	233	94117	300494	394611	86
5/4/2012	5	9994	10204	silc wtr	7700	204	93806	297207	391013	82
5/5/2012	6	9694	9904	silc wtr	7495	229	94689	298212	392901	83
5/6/2012	7	9394	9604	silc wtr	7410	196	94048	298134	392182	82
5/7/2012	8	9094	9304	silc wtr	7634	160	93788	299932	393720	83
5/8/2012	9	8794	9004	silc wtr	6089	179	91075	290812	381887	84
5/9/2012	10	8494	8704	silc wtr	6552	300	91821	297212	389033	83
5/10/2012	11	8194	8404	silc wtr	6422	131	91889	293376	385265	84
5/14/2012	12	7894	8104	silc wtr	6626	100	87212	304743	391955	83
5/15/2012	13	7594	7804	silc wtr	6162	77	90645	300376	391021	83
5/16/2012	14	7294	7504	silc wtr	5690	56	93203	298602	391805	83
5/17/2012	15	6994	7207	silc wtr	6163	45	91975	298882	390857	84

Totals

100073

2454

1342305

4328866

5671171

Water to Recover

102527 bbls