

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

JK

Received
Office of Oil & Gas

Farm name: Accetolo, Patricia & Louis Operator Well No.: Accetolo 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</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

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.

Gene Robinson
Signature

6-17-13
Date

02/28/2014

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):

Formations Encountered: _____ Top Depth / _____ Bottom Depth
Surface:

Sewickley:	Top: 898, Base: 918	Java:	Top: 5200, Base:5520
Pittsburgh coal:	1077, 1087	Rhinestreet:	5938, 6328
Maxton:	1971, 2021	Cashaqua:	6328, 6436
Big Lime:	2040, 2070	Middlesex:	6436, 6472
Big Injun:	2079	West River:	6472, 6566
Base of Big Injun:	2180	Geneseo:	6566, 6603
Weir:	2418, 2588	Tully:	6603, 6689
Berea:	2597, 2837	Hamilton:	6689, 6808
Gordon:	2903, 2933	Marcellus:	6808, 6862
Benson:	3600, 3610	Onondaga:	6862 / none reported

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Fluid & Sand Volume Summary - Accettolo #1H

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Production

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	3908	0	47346	149113	196459	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