

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

DATE: 02/14/2013
API #: 47-091-01252

Farm name: Patriot Mining Company Operator Well No.: Coaltrain 9HM

LOCATION: Elevation: 1273' GL Quadrangle: Grafton 7.5'

District: Courthouse County: Taylor
Latitude: 13,249 Feet South of 39 Deg. 20 Min. 00 Sec.
Longitude 7,570 Feet West of 80 Deg. 05 Min. 00 Sec.

Company: PDC Mountaineer LLC

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
<u>120 Genesis Boulevard</u> <u>Bridgeport, WV 26330</u>	<u>20"</u>	<u>80'</u>	<u>80'</u>	<u>Surface</u>
Agent: <u>Bob Williamson</u>	<u>13 3/8"</u>	<u>462'</u>	<u>462'</u>	<u>383</u>
Inspector: <u>Joe McCourt</u>	<u>9 5/8"</u>	<u>2779'</u>	<u>2779'</u>	<u>1068</u>
Date Permit Issued: <u>11/30/2011</u>	<u>5 1/2"</u>	<u>14,372'</u>	<u>14,372'</u>	<u>3802</u>
Date Well Work Commenced: <u>12/29/2011</u>				
Date Well Work Completed: <u>05/16/2012</u>	<u>2 7/8"</u>		<u>8234'</u>	
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): <u>7,772'</u>				
Total Measured Depth (ft): <u>14,392'</u>				
Fresh Water Depth (ft.): <u>Drilled from surf on air/foam</u>				
Salt Water Depth (ft.): <u>Drilled from surf on air/foam</u>				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depths (ft.): <u>78', 783'</u>				
Void(s) encountered (N/Y) Depth(s) <u>N</u>				

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

Producing formation Marcellus Pay zone depth (ft) 7767'
Gas: Initial open flow 6,250 MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 3,888 MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests 770 Hours
Static rock Pressure 1,650 psig (surface pressure) after 72 Hours

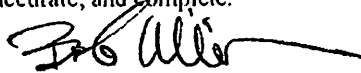
Second producing formation N/A Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ psig (surface pressure) after _____ Hours

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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

02/15/2013

Date

03/08/2013

