

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: 09/24/2012
API #: 47-102994

Farm name: City of Philippi Operator Well No.: Badger Coal 7

LOCATION: Elevation: 1377' GL / 1395' KB Quadrangle: Philippi

District: Philippi County: Barbour
Latitude: 8.300 Feet South of 39° Deg. 12 Min. 30 Sec.
Longitude: 4.725 Feet West of 80° Deg. 00 Min. 00 Sec.

Company: PDC Mountaineer

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
120 Genesis Blvd. Bridgeport, WV 26330	16"	21'	21'	
Agent: Bob Williamson	11 3/4"	77'	77'	177
Inspector: Bill Hatfield	8 5/8"	1281'	1281'	430
Date Permit Issued: 11/06/2008	5 1/2"	7710'	7710'	430
Date Well Work Commenced: 01/17/2009				
Date Well Work Completed: 02/20/2009				
Verbal Plugging:				
Date Permission granted on:	2 3/8"		7391'	
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 7,754'				
Total Measured Depth (ft): 7,754'				
Fresh Water Depth (ft.): Large flow at 81'				
Salt Water Depth (ft.): NA				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 90', 615'				
Void(s) encountered (N/Y) Depth(s) N				

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

Producing formation Marcellus Shale Pay zone depth (ft) 7250
Gas: Initial open flow N/A MCF/d Oil: Initial open flow --- Bbl/d
Final open flow 83 MCF/d Final open flow --- Bbl/d
Time of open flow between initial and final tests 720 Hours
Static rock Pressure 1100 psig (surface pressure) after 72 Hours

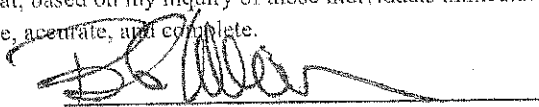
Second producing formation N/A Pay zone depth (ft) ---
Gas: Initial open flow --- MCF/d Oil: Initial open flow --- Bbl/d
Final open flow --- MCF/d Final open flow --- Bbl/d
Time of open flow between initial and final tests --- Hours
Static rock Pressure --- psig (surface pressure) after --- Hours

RECEIVED
Office of Oil & Gas

SEP 26 2012

WV Department 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

09/25/2012
Date

10/05/2012

Were core samples taken? Yes _____ No XX

Were cuttings caught during drilling? Yes XX No _____

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list Schlum. Litho Dens/Comp Neutron/Caliper/GR, Later Log/Caliper/GR, Compression/Shear Sonic Scanner, FM/ECS, Dip. Cased Hole: GR/CCL/Cement Bond Log, Mud Log from 1320-TD.

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:

2-11-2009: RU Superior Wireline and log cased hole finding a cement top at 5818'. Perforated interval 7,280 ft – 7,330 ft (176 shots).

2-20-2009: RU Superior Well Service and perform a 1 stage Marcellus frac using 500 gal acetic acid, and 19,510 bbls of Slickwater carrying 296,300 lbs of 100-mesh sand, and 384,200 lbs of 40/70 sand.

Plug Back Details Including Plug Type and Depth(s): N/A

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

Sand & Shale	0	825	Huntersville	7358	7556
Little Lime	825	840	Oriskany	7558	7752 TD
Big Lime	870	949			
Keener	949	984			
Big Injun	1011	1082			
Gantz	1230	1342			
Fifty Foot	1360	1418			
Fourth SS	1682	1760			
Fifth SS	1769	1808			
Bayard	1841	1879			
Benson	3673	3684			
Burkett/Geneseo	7008	7025			
Tully	7025	7078			
Marcellus	7250	7344			
Onondaga	7344	7358			

RECEIVED
Office of Oil & Gas

SEP 26 2012

WV Department of
Environmental Protection

10/05/2012