



33.05480

west virginia department of environmental protection

Office of Oil and Gas
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Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
www.dep.wv.gov

February 18, 2015

FINAL INSPECTION REPORT

WELL PERMIT RELEASED

PDC MOUNTAINEER LLC,

The FINAL INSPECTION REPORT for the permit, API Well Number: 47-3305480, issued to PDC MOUNTAINEER LLC, and listed below has been received in this office, and reclamation requirements approved. The well designated by the permit number below has been released under reclamation and will remain under your bond.

James Martin
Chief

Operator: PDC MOUNTAINEER LLC
Operator's Well No: GOFF 9HM
Farm Name: CATHER, H. DOTSON - TRUSTEE
API Well Number: 47-3305480
Date Issued: 10/06/2010
Date Released: 02/18/2015

Promoting a healthy environment.

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: 08/23/2012
API #: 47-3305480

Farm name: Cather, H. Dotson - Trustee Operator Well No.: Goff 9HM

LOCATION: Elevation: 1,290 GL / 1,308 KB Quadrangle: Wolf Summit

District: Coal County: Harrison
Latitude: 3,491 Feet South of 39 Deg. 17 Min. 30 Sec.
Longitude 2,323 Feet West of 80 Deg. 22 Min. 30 Sec.

Company: PDC Mountaineer

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
120 Genesis Blvd. Bridgeport, WV 26330	20"	60'	60'	cmt to surf
Agent: <u>Bob Williamson</u>	13 3/8"	444'	444'	406
Inspector: <u>Tim Bennett</u>	9 5/8"	2,621'	2,621'	970
Date Permit Issued: <u>10/06/2010</u>	5 1/2"	11,806'	11,806'	1587
Date Well Work Commenced: <u>11/28/2010</u>				
Date Well Work Completed: <u>03/17/2011</u>				
Verbal Plugging:	2 3/8"		7483'	
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): <u>7232'</u>				
Total Measured Depth (ft): <u>11,834</u>				
Fresh Water Depth (ft.): <u>284'</u>				
Salt Water Depth (ft.): <u>None Reported</u>				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depths (ft.): <u>None Reported - Air/Mist Drilled</u>				
Void(s) encountered (N/Y) Depth(s) <u>N</u>				

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

Producing formation Marcellus Pay zone depth (ft) 7082
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 5323 MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests 720 Hours
Static rock Pressure 3300 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

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

8-30-2012
Date

33-05480

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 Mudlog from 2650', Directional Surveys, TVD & MD Gamma Ray LWD (5745-TD)), Cased Hole Sonic Scanner log with Bond Log & CCL to 7570'. No GR logs run above 5400'.

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:

Perforated interval 7,990 ft – 11,700ft (600 shots). Frac'd 12 stages using 285 bbls 15% HCL, and 102,800 bbls of Slickwater carrying 964,000 lbs of 100-mesh sand, 3,733,000 lbs of 40/70 sand, and 244,000 lbs of 30/50 sand.

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

Formations Encountered: _____ / _____
Surface: _____

Formations Encountered:	Top Depth	Bottom Depth
Sycamore Grit	*6396	6424
Geneseo SH	6872	6892
Tully LS	6892	6958
Hamilton	6958	7082
Marcellus SH	7082	11,834'MD

* All depths are TVD unless noted as MD.

KOP at 5821'MD & LP at 8015'MD (7172'TVD)

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