

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

DATE: 9/28/2010
API #: 47-3906280

defined
9/28/11

Farm name: Berwin Marmet Operator Well No.: BM-26

LOCATION: Elevation: 955 FT Quadrangle: Belle 7.5'

District: Loudon County: Kanawha
Latitude: 13,000 Feet South of 38 Deg. 15 Min. 00 Sec.
Longitude 11,220 Feet West of 81 Deg. 32 Min. 30 Sec.

Company: Northstar Energy Corp

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
900 Lee St. E Ste. 940 Charleston, WV	Conduct.	32'	30'	
Agent: James Abcouwer	9 5/8"	436'	432'	318
Inspector: Terry Urban	7"	1348'	1344'	395
Date Permit Issued: 12/28/2010				
Date Well Work Commenced: 1/16/2011				
Date Well Work Completed: 1/23/2011				
Verbal Plugging:				
Date Permission granted on:				
Rotary Cable Rig				
Total Vertical Depth (ft): 2236				
Total Measured Depth (ft): 2230				
Fresh Water Depth (ft.): 286, 364				
Salt Water Depth (ft.): 856, 1086				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 220, 645, 866				
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 Lime, Inj, Weir Pay zone depth (ft) 2150
Gas: Initial open flow 243 MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 156 MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests 48 Hours
Static rock Pressure 280 psig (surface pressure) after 48 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

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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

9-27-11
Date

03/15/2013

Were core samples taken? Yes _____ No*

Were cuttings caught during drilling? Yes* _____ No _____

Were _____ Electrical, Y Mechanical, _____ or Geophysical logs recorded on this well?
Y/N Y/N Y/N

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:

Naturally Producing Well

Formations Encountered: _____ Top Depth / _____ Bottom Depth

Surface:

Sub Base	0'	10'
Fill	10'	21'
Sand and Shale	21'	935'
Upper Maxon	935'	972'
Lower Maxon	1032'	1062'
Little Lime	1347'	1486'
Big Lime	1664'	1742'
Big Injun	1780'	1798'
Middle Weir	1983'	2017'
Lower Weir	2133'	2185'