

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 #: 47-502361

NEP  
delivered  
9/30/11

Farm name: Berwin Winifrede Operator Well No.: BW-62

LOCATION: Elevation: 1424 FT Quadrangle: Belle 7.5'

District: Sherman County: Boone  
Latitude: 14,030 Feet South of 38 Deg. 10 Min. 00 Sec.  
Longitude: 4,210 Feet West of 81 Deg. 35 Min. 00 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"	946'	940'	376
Inspector: Barry Stollings	7"	2248'	2244'	487
Date Permit Issued: 12/28/2010				
Date Well Work Commenced: 1/24/2011				
Date Well Work Completed: 2/1/2011				
Verbal Plugging:				
Date Permission granted on:				
<input checked="" type="radio"/> Rotary <del>Cable</del> Rig				
Total Vertical Depth (ft): 5588				
Total Measured Depth (ft): 5585				
Fresh Water Depth (ft.): 235, 342, 412				
Salt Water Depth (ft.): 1345, 1867				
Is coal being mined in area <input checked="" type="radio"/> (N/Y)?				
Coal Depths (ft.): 328, 887, 894				
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, Ber, Weir Hu Pay zone depth (ft) 5335  
 Gas: Initial open flow 312 MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
 Final open flow 243 MCF/d Final open flow \_\_\_\_\_ Bbl/d  
 Time of open flow between initial and final tests 48 Hours  
 Static rock Pressure 290 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

9-27-11  
Date

03/15/2013

Were core samples taken? Yes \_\_\_\_\_ No\*

5-02361  
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

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Formations Encountered: \_\_\_\_\_ Top Depth / \_\_\_\_\_ Bottom Depth  
Surface:

<u>Formations Encountered:</u>	<u>Top Depth</u>	<u>Bottom Depth</u>
Sub Base	0'	10'
Fill	10'	21'
Sand and Shale	21'	935'
Upper Maxon	1018'	1032'
Lower Maxon	1158'	1191'
Little Lime	2118'	2188'
Big Lime	2304'	2474'
Big Injun	2481'	2510'
Middle Weir	2608'	2645'
Lower Weir	2853'	2900'
Berea	2938'	2943'
Middle Huron	4112'	4454'
Lower Huron	4975'	5438'
Marcellus Shale	5504	5558'