

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

DATE: January 10, 2013  
API #: 47-097-03842

Farm name: Bonita Lea Wilfong Nantz Operator Well No.: Thornhill #1-WV0440

LOCATION: Elevation: 1508 Quadrangle: Buckhannon 7.5'

District: Buckhannon County: Upshur  
Latitude: 38 Feet South of 57 Deg. 30 Min.  Sec.   
Longitude 80 Feet West of 12 Deg. 30 Min.  Sec.

Company: Mountain V Oil & Gas, Inc.

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
PO Box 470 Bridgeport WV 26330	13 3/8"	31'	31'	sanded in
Agent: S. Michael Shaver	9 5/8"	504'	504'	154 sks
Inspector: Bill Hatfield	7"	1605'	1605'	255 sks
Date Permit Issued: 7-12-2012	4 1/2"	7183'	7183'	150 sks
Date Well Work Commenced: 10-1-12				
Date Well Work Completed: 10-11-12				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 7244				
Total Measured Depth (ft): 7244				
Fresh Water Depth (ft.):				
Salt Water Depth (ft.): 880,1460				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 162, 243				
Void(s) encountered (N/Y) Depth(s) N				

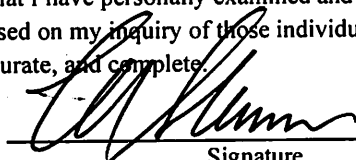
OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation Marcellus Pay zone depth (ft) 7018-7130  
Gas: Initial open flow Odor MCF/d Oil: Initial open flow N/A Bbl/d  
Final open flow 164 MCF/d Final open flow  Bbl/d  
Time of open flow between initial and final tests 216 Hours  
Static rock Pressure 2500 psig (surface pressure) after 24 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

RECEIVED  
Office of Oil and Gas  
FEB 03 2013  
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

2-4-13  
Date

02/15/2013  
*Revised*

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

Were cuttings caught during drilling? Yes  No \_\_\_\_\_

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list GR/NEU/DEN/IND/TEMP/AUDIO

**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:

Perforations: 7077-7110 (92 Holes)

1702 sks 80/100

4006 sks 40/70

Breakdown 5020 psi

14118 bbls fluid

Plug Back Details Including Plug Type and Depth(s):

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

\*\*\*Driller's Log

Fill	0 - 15	Tully 6900-6920
Sand/Shale	15-164	Silt/Shale 6920-7018
Coal	162-164	Marcellus 7018-7130
Sand/Shale	164-243	Ononodaga 7130- 7140
Coal	243-253	Lime 7140-TD
Sand/Shale	253-1247	
Big Lime	1247-1358	
Injun	1358-1451	
Silt/Shale	1451-6000	**Driller Log did not show any formations.

\*\*\*E LOG \*\*\*Well was logged from TD to 6000 ft

Silt/Shale	6000- 6134
Sand	6134-6154
Silt/Shale	6154-6880
Geneseo	6880-6900

02/15/2013