

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: 02-07-2012  
API #: 47-097-3767

Farm name: Armstrong, Lois K. Operator Well No.: H. B. Troth # 1WV0320

LOCATION: Elevation: 1571 Quadrangle: Adrian 7.5

District: Meade County: Upshur  
Latitude: 38-53-12.9 Feet South of \_\_\_\_\_ Deg. \_\_\_\_\_ Min. \_\_\_\_\_ Sec.  
Longitude 80-16-55.3 Feet West of \_\_\_\_\_ Deg. \_\_\_\_\_ Min. \_\_\_\_\_ Sec.

Company: Mountain V Oil and Gas

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
P.O. Box 470 Bridgeport WV 26330	13 3/8		38'	Sand In
Agent: <u>Mike Shaver</u>	9 5/8		225	85 SK
Inspector: <u>Bill Hatfield</u>	7 "		1829	270 SK
Date Permit Issued: <u>10-25-2010</u>	4 1/2		7080	150 SK
Date Well Work Commenced: <u>06-11-11</u>				
Date Well Work Completed: <u>06/21/11</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): <u>7153</u>				
Total Measured Depth (ft): <u>7153</u>				
Fresh Water Depth (ft.): <u>110'</u>				
Salt Water Depth (ft.): <u>1550'</u>				
Is coal being mined in area (N/Y)? <u>NO</u>				
Coal Depths (ft.): <u>(165 - 170)(350 - 358)</u>				
Void(s) encountered (N/Y) Depth(s) <u>NO</u>				

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

Producing formation Marcellus Pay zone depth (ft) 7060 - 7040

Gas: Initial open flow 500,000 MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d

Final open flow 500,000 MCF/d Final open flow \_\_\_\_\_ Bbl/d

Time of open flow between initial and final tests \_\_\_\_\_ Hours

Static rock Pressure 2530 psig (surface pressure) after 24 Hours

Second producing formation \_\_\_\_\_ Pay zone depth (ft) \_\_\_\_\_

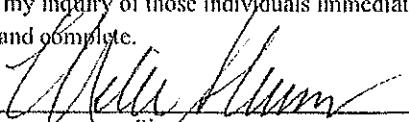
Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d

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

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

02-07-2012  
Date

05/25/2012

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 ELECTRICAL

**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:

TD 7080 , Perfs 7060 - 7040 SLICK WATER,40 /70 SAND 4017 SK 80/100 2000 SK

Avg Psi 3620 Avg Rate 68.7 BPM , ISIP 1843

10,603 BBL WATER 11,017 BBL SLURRY

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

Formations Encountered: Top Depth / Bottom Depth  
Surface:

Greenbrier Big Lime	1415 - 1625	Benson	3905 - 3960
Big Injun	1625 - 1755	Alexander	4170 - 4350
Squaw	1755 - 1870	Elk	4400 - 6250
Weir	1870 - 2014	Harverty	6490 - 6530
Berea Gantz	2014 - 2080	Geneseo Shale	6820 - 6850
50 ft	2050 - 2120	Tully Ls	6850 - 6890
30 ft	2150 - 2205	Hamilton	6890 - 6968
Gordon Stray	2205 - 2270	U. Marcellus	6968 - 7014
Gordon	2300 - 2320	Purcell Ls	7014 - 7017
4th SS	2330 - 2390	Lower Marcellus	7017 - 7071
5th SS	2390 - 2490	Onondaga	7071 - 7090
Warren	2490 - 2582		
Speechley	2582 - 2682		
Balltown	2682 - 2826		
Riley	2950 - 3905		

05/25/2012