

WR-35  
Rev (8-10)

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

DATE: 4/15/2008  
API #: 47-079-01492

Farm name: M. S. Pinkerton Operator Well No.: Pinkerton #1

LOCATION: Elevation: 643 Quadrangle: St Albans

District: Poca County: Putnam  
Latitude: 10240 Feet South of 38 Deg. 30 Min. 00 Sec.  
Longitude 240 Feet West of 81 Deg. 45 Min. 00 Sec.

Company:

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Viking Energy, PO Box 13366, Sissonville WV 25360	9 5/8	587	587	252
Agent: Mickey Pinkerton	7	1985	1985	389
Inspector: James Stevens	4.5	4560	4560	273
Date Permit Issued: 10/06/2008				
Date Well Work Commenced: 11/13/2008				
Date Well Work Completed: 12/4/2008				
Verbal Plugging:				
Date Permission granted on:				
Rotary X Cable Rig				
Total Vertical Depth (ft): 4570				
Total Measured Depth (ft): 4570				
Fresh Water Depth (ft.): 223				
Salt Water Depth (ft.): 1155				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.):				
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) 4490 - 4560  
Gas: Initial open flow 70 MCF/d Oil: Initial open flow 0 Bbl/d  
Final open flow 65 MCF/d Final open flow 0 Bbl/d  
Time of open flow between initial and final tests 24 Hours  
Static rock Pressure 630 psig (surface pressure) after 24 Hours

Second producing formation Rhinestreet Pay zone depth (ft) 4231 - 4446  
Gas: Initial open flow 70 MCF/d Oil: Initial open flow 0 Bbl/d  
Final open flow 65 MCF/d Final open flow 0 Bbl/d  
Time of open flow between initial and final tests 24 Hours  
Static rock Pressure 630 psig (surface pressure) after 24 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.

Michael Pinkerton  
Signature

4-15-2008  
Date

08/12/2011

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

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

Were Y Electrical, N Mechanical, N 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:

4490 - 4550	Marcellus	Pumped 900,000 N2 @ 50,000 scf/min
4231 - 4466	Rhinestreet	Pumped 350 gals 15% Hcl acid & 800,000 Scf N2 @ 62,000 scf/min
3351 - 4050	Huron Shale	Pumped 350 gals 15% Hcl acid & 1,000,000 Scf N2 @ 61,000 Scf/min
2131 - 2138	Berea sand	Pumped 250 Gals 15% Hcl acid. Placed 29,500 #s 20/40 sand using 116 bbls water & 516,000 scf N2 (75Q foam)
2064 - 2110	Shale/sand	Pumped 250 gals 15% Hcl acid. Placed 7,760 #s 20/40 sand using 79 bbls water & 288,000 scf N2 (75Q foam)

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

Clay/sand/shale	0 / 350	Marcellus shale	4480 / 4545
Shales/sand	350 / 602	Onandaga	4545 / 4565
Shale	602 / 643		
Shales/sands	643 / 1052		
Salt Sands	1052 / 1640		
Shale	1640 / 1660		
Sand/shale	1660 / 1700		
Shale/silts	1700 / 1987		
Shale/silt	1987 / 2110		
Coffee shale	2110 / 2130		
Berea sand	2130 / 2140		
Brown shales	2140 / 3345		
Huron shale	3345 / 3942		
Shale	3942 / 4188		
Rhinestreet shale	4188 / 4480		