

DATE: 02-07-09  
API #: 47-033-05016

State of West Virginia  
Department of Environmental Protection  
Office of Oil and Gas

Well Operator's Report of Well Work

Farm name: Neva Ritter

Operator Well No.: Ritter #1

LOCATION: Elevation: 1247'

Quadrangle: Salem7.5'

District: Tenmile

County: Harrison

Latitude: 12,500 Feet South of  
Longitude 3,200 Feet West of

39 Deg. 20 Min. 00 Sec.  
80 Deg. 35 Min. 00 Sec.

Company:

Hall Drilling, LLC

Address:

P.O. Box 249 Ellenboro WV 26346

Agent: Mike Hall

Inspector: Tim Bennett

Date Permit Issued: 01/02/08

Date Well Work Commenced: 05/22/08

Date Well Work Completed: 05/29/08

Verbal Plugging:

Date Permission granted on:

Rotary X Cable Rig

Total Depth (feet): 7570

Fresh Water Depth (ft.): 85'

Salt Water Depth (ft.): N/A

Is coal being mined in area (N/Y)? N

Coal Depths (ft.): N/A

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
P.O. Box 249 Ellenboro WV 26346	13 3/8	250	250	100 sks
Agent: Mike Hall				
Inspector: Tim Bennett	9 5/8	1247	1247	530 sks
Date Permit Issued: 01/02/08				
Date Well Work Commenced: 05/22/08	6 5/8	3112	3112	400 sks
Date Well Work Completed: 05/29/08				
Verbal Plugging:	4 1/2	7570	7564	105 sks
Date Permission granted on:				
Rotary X Cable Rig				
Total Depth (feet): 7570				
Fresh Water Depth (ft.): 85'				
Salt Water Depth (ft.): N/A				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): N/A				

OPEN FLOW DATA

Producing formation Marcellus Pay zone depth (ft) 7422-7468'  
Gas: Initial open show MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow 500 MCF/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock Pressure 1000# 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

\* = commingled zones

NOTE: ON BACK OF THIS FORM 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 ALL FORMATIONS,

Signed:

By:

Date:

*Timothy E. West*  
Timothy E. West  
4-8-10

**RECEIVED**  
 Office of Oil & Gas  
 APR 09 2010  
 WV Department of  
 Environmental Protection  
 Permit # 47-90016-05016

Stage #1	perfs	sand	avg rate	isip
Marcellus	7422-7468 80 holes	5570 sks	73 bpm	3310#

Drillers Log

Sh	0	20
Sd/Sh	20	95
Sd	95	222
Sd/Sh	222	540
Sd	540	680
Sd/Sh	680	1146
Sd	1146	1152
Sh	1152	1618
Sd	1618	1695
Sh	1695	2258
Lime	2258	2400
Sd	2400	2438
Sh	2438	3060
Sd	3060	3132
Sd/Sh	3132	7264
Tulley	7264	7290
Shale	7290	7420
Bl Shale	7420	7480
Lime	7480	7570
Td	7570	

gas ck @ TD = show

Electric Log Tops

<u>Benson</u>	<u>5326</u>
Tully	7264
Marcellus	7420-7480
Onandoga	7480