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

Farm Name: Eagle, Earl Ray Date: 11/17/2011
 Operator Well No.: Pennington #1 API #: 47-3906311

LOCATION			
Elevation:	<u>892</u>	Quadrangle:	<u>Pocatalico</u>
District:	<u>Union</u>	County:	<u>Kanawha</u>
Latitude:	<u>38.3907913</u>	NAD 83	
Longitude:	<u>81.7367797</u>	NAD 83	

WELL INFORMATION					
Company:	<u>Reserve Oil and Gas, Inc.</u>	Casing & Used in	Left in	Cement Fill up	
Address:	<u>929 Charleston Road</u>	Tubing:	Drilling:	Well:	Cu. Ft.
	<u>Spencer, WV 25276</u>	<u>13 3/8"</u>	<u>14.00</u>	<u>14.00</u>	<u>cts</u>
Agent:	<u>J. Scott Freshwater</u>	<u>9 5/8"</u>	<u>336.60</u>	<u>336.60</u>	<u>cts</u>
Inspector:	<u>Terry Urban</u>	<u>7"</u>	<u>2036.70</u>	<u>2036.70</u>	<u>cts</u>
Date Permit Issued:	<u>9/6/2011</u>	<u>4 1/2"</u>	<u>4622.25</u>	<u>4622.25</u>	<u>125 sks</u>
Date Work Commenced:	<u>9/19/2011</u>				
Date Work Completed:	<u>10/28/2011</u>				
Verbal Plugging:					
Date Permission Granted:					
Rotary Rig:	<u>CSi Rig #10</u>				
Cable Rig:					
Total Vertical Depth (FT):	<u>4645</u>	Total Measured Depth (FT):		<u>4645</u>	
Fresh Water Depth (FT):	<u>448</u>				
Salt Water Depth (FT):	<u>819</u>				
Is coal being mined in area (N/Y):	<u>No</u>				
Coal Depths (FT):	<u>N/A</u>	Void(s) Encountered (N/Y) / Depth(s): <u>N/A</u>			

OPEN FLOW DATA					
Producing Formation:	<u>Devonian Shale</u>	Pay Zone Depth (FT):	<u>2908</u>	to	<u>4578</u>
Gas		Oil			
Initial Open Flow:	<u>35</u>	Initial Open Flow:	<u>N/A</u>		
Final Open Flow:	<u>1150</u>	Final Open Flow:	<u>N/A</u>		
Time of open flow between initial and final tests:			<u>696</u> Hours.		
Static Rock Pressure:	<u>475</u> PSIG (Surface Pressure) after:		<u>24</u> Hours.		
2nd Producing Formation:		Pay Zone Depth (FT):		to	
Gas		Oil			
Initial Open Flow:		Initial Open Flow:			
Final Open Flow:		Final Open Flow:			
Time of open flow between initial and final tests:			Hours.		
Static Rock Pressure:		PSIG (Surface Pressure) after:	Hours.		

Signed: [Signature] Date: 11/17/11
 By: J. Scott Freshwater

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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.

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Continued

FORMATIONS

Formation:	From	To
Sub	0	7
Rock & Sand	7	363
Sand	363	448
Red Rock	448	451
Sand & Shale	451	950
Salt Sand	950	1510
Sand & Shale	1510	1600
Upper Maxton	1600	1662
Sand & Shale	1662	1695
Medium Maxton	1695	1705
Sand & Shale	1705	1712
Lower Maxton	1712	1735
Little Lime	1735	1765
Big Lime	1765	1935
Injun	1935	1970
Sand & Shale	1970	2240
Coffee Shale	2240	2255
Shale	2255	4645

Water:		
Depth:	Amount:	Type:
448		freshwater
819	Soap hole	saltwater

Gas Checks:	
Depth:	Remarks:
3294	Gas on hole

Oil Shows:	
Depth:	Remarks:

FRACTURING

Perforations:

Stage 1:

Number of Perforations: 40

Depth From (FT): 3878

Depth To (FT): 4578

Stage 2:

Number of Perforations: 41

Depth From (FT): 2908

Depth To (FT): 3829

Stimulation:

Stage 1:

Remarks:

Total N2 = 1,007,485 SCF, total 15% HCL treatment fluid = 504 gallons, total Ferrotrol 300L = 3 gallons, total NE-900 = 1 gallon, total Gas Flo G = 1 gallon, total CI-14 = 1.5 gallons, total 7/8 in. 1.3 sp gr. R ball sealers = 50 in 8 stages.

Stage 2:

Remarks:

Total N2 = 1,003,060 SCF, total 15% HCL treatment fluid = 1,008 gallons, total Ferrotrol 300L = 3 gallons, total NE-900 = 1 gallon, total Gas Flo G = 1 gallon, total CI-14 = 1.5 gallons, total 7/8 in. 1.3 sp gr. R ball sealers = 59 in 9 stages.

Were Core Samples Taken (N/Y): No
 Were Cuttings Caught During Drilling (N/Y): No
 Were Geophysical Logs Recorded on This Well (N/Y): Yes
 Electrical (N/Y): Yes
 Mechanical (N/Y): Yes

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