

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

DATE: \_\_\_\_\_  
API #: 039-06294

Farm name: R. J. Morris Operator Well No.: 3A  
LOCATION: Elevation: 868' Quadrangle: Blue Creek 7.5  
District: EIK County: Kanawha  
Latitude: 38.398742 Feet South of \_\_\_\_\_ Deg. \_\_\_\_\_ Min. \_\_\_\_\_ Sec.  
Longitude: 81.468705 Feet West of \_\_\_\_\_ Deg. \_\_\_\_\_ Min. \_\_\_\_\_ Sec.

Company: Raven Ridge Energy

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
<u>3230 PENNSYLVANIA AVE CHARLESTON WV 25302</u>				
Agent: <u>Ryan Cunningham</u>				
Inspector: <u>TERRY LEBAN</u>		<u>9 5/8"</u>	<u>390'</u>	<u>CTS</u>
Date Permit Issued: <u>06/03/2011</u>		<u>7"</u>	<u>1530'</u>	<u>CTS</u>
Date Well Work Commenced: <u>6/24/11</u>		<u>4 1/2"</u>	<u>2050'</u>	<u>1205Ks</u>
Date Well Work Completed: <u>6/29/11</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>2243'</u>				
Total Measured Depth (ft): <u>2243'</u>				
Fresh Water Depth (ft.): <u>N/A</u>				
Salt Water Depth (ft.): <u>N/A</u>				
Is coal being mined in area (N/Y)?				
Coal Depths (ft.): <u>N/A</u>				
Void(s) encountered (N/Y) Depth(s) <u>N/A</u>				

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

Producing formation WEIR Pay zone depth (ft) 1970'-1815'  
Gas: Initial open flow 250 MCF/d Oil: Initial open flow 3 Bbl/d  
Final open flow 210 MCF/d Final open flow 2 Bbl/d  
Time of open flow between initial and final tests 24 Hours  
Static rock Pressure 180 psig (surface pressure) after 36 Hours

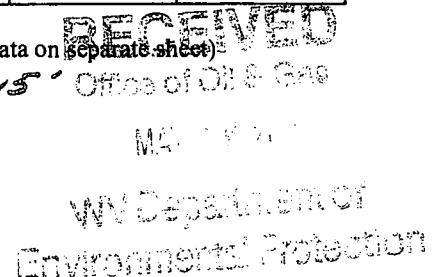
Second producing formation \_\_\_\_\_ Pay zone depth (ft) \_\_\_\_\_  
Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow \_\_\_\_\_ MCF/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock 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]  
Signature

5/12/12  
Date

10/19/2012



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 Gamma Ray / Neutron Density / Induction - Temperature

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:

PERF: 1970-1815 (37 Holes) 750 B3K 75%  
Quality Foam FRAC WITH 500 GAL HCL 15%  
AND 35000 LBS 20/40 SAND

Plug Back Details Including Plug Type and Depth(s): N/A

Formations Encountered: Top Depth / Bottom Depth

Formations Encountered:	Top Depth	Bottom Depth
SAND & SHALE	0 - 365	WEIR 1810 - 1985
SHALE	365 - 405	SHALE 1985 - 2135
SAND & SHALE	405 - 615	COFFEE SHALE 2135 - 2144
SAND	615 - 670	BEREA 2144 - 2147
SAND & SHALE	670 - 830	SHALE 2147 - 2243
SALT SAND	830 - 1350	
SAND & SHALE	1350 - 1460	
MAXTON	1460 - 1500	
SHALE	1500 - 1575	
LITTLE LIME	1575 - 1602	
SHALE	1602 - 1612	
Big LIME	1612 - 1638	
Big INJUN	1638 - 1715	
SQUAW	1715 - 1741	
SHALE	1741 - 1810	

RECEIVED

WVA

10/19/2012