

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: _____
API #: 039-06283

Farm name: BLOWN-PERDUE Operator Well No.: 2

LOCATION: Elevation: 877' Quadrangle: BLUE CREEK

District: BIG SANDY County: KANAWHA
Latitude: 38.486886 Feet South of _____ Deg. _____ Min. _____ Sec.
Longitude: 81.382952 Feet West of _____ Deg. _____ Min. _____ Sec.

Company: Raven Ridge Energy
Address: 3230 Pennsylvania Ave
Charleston WV 25302

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Agent: <u>Ryan Cunningham</u>				
Inspector: <u>Terry Urban</u>		<u>9 5/8</u>	<u>410'</u>	<u>CTS</u>
Date Permit Issued: <u>04/06/2011</u>		<u>7"</u>	<u>1652'</u>	<u>CTS</u>
Date Well Work Commenced: <u>5/7/11</u>		<u>4 1/2</u>	<u>2088</u>	<u>120 sks</u>
Date Well Work Completed: <u>5/11/11</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>2688</u>				
Total Measured Depth (ft): <u>2688</u>				
Fresh Water Depth (ft.): <u>NONE</u>				
Salt Water Depth (ft.): <u>NONE</u>				
Is coal being mined in area (N/Y)?				
Coal Depths (ft.): <u>N/A</u>				
Void(s) encountered (Y/N) Depth(s)				

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Environmental Protection

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

Producing formation WEIR Pay zone depth (ft) 1690-2003

Gas: Initial open flow 150 MCF/d Oil: Initial open flow --- Bbl/d
Final open flow 150 MCF/d Final open flow --- Bbl/d
Time of open flow between initial and final tests 24 Hours
Static rock Pressure 280 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]
Signature

5/14/12
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 Cannon Ray / Neutron / Induction Temperature / Audio

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 1690 - 1728 (18 HOLES) 1920 - 2003 (26 HOLES)

75% FOAM 1 Stage FRAC WITH 1000 gal 15% HYDROCHLORIC PERD 35000 lbs 20/40 SAND

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

Formations Encountered: _____ Top Depth _____ Bottom Depth _____
Surface: _____

SAND! SHALE	0 - 250	SGAW	1740 - 1780
SAND	250 - 350	SHALE	1780 - 1865
SAND! SHALE	350 - 510	WEIR	1865 - 2005
SAND	510 - 640	COFFEE SHALE	2175 - 2192
SHALE	640 - 680	SHALE	2192 - 2698
SAND! SHALE	680 - 850		
SAND	850 - 890		
SAND! SHALE	890 - 1080		
SALT SAND	1080 - 1410		
SHALE	1410 - 1465		
MAXTON	1465 - 1610		
Little Lime	1610 - 1626		
PENCIL CAVE	1626 - 1630		
Big Lime	1630 - 1660		
Big Injun	1660 - 1740		