

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: 1-10-13
API #: 47-039-06334

Farm name: NANCY GREEN Operator Well No.: NANCY GREEN#4A

LOCATION: Elevation: 1098 Quadrangle: CLENDENIN 7.5

District: BIG SANDY County: KANAWHA
Latitude: 1520 Feet South of 38 Deg. 30 Min. 00 Sec.
Longitude 11,840 Feet West of 81 Deg. 20 Min. 00 Sec.

Company: RAVEN RIDGE ENERGY LLC

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>	<u>9 5/8</u>	<u>380</u>	<u>380</u>	<u>CTS</u>
Inspector: <u>TERRY URBAN</u>	<u>7</u>	<u>1892</u>	<u>1892</u>	<u>CTS</u>
Date Permit Issued: <u>4-5-2012</u>	<u>4 1/2</u>		<u>2385</u>	<u>1000' Fill up</u>
Date Well Work Commenced: <u>4-24-12</u>				
Date Well Work Completed: <u>5-14-12</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>2443</u>				
Total Measured Depth (ft): <u>2443</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)? <u>N/A</u>				
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) 2140
Gas: Initial open flow 200 MCF/d Oil: Initial open flow 1 Bbl/d
Final open flow 175 MCF/d Final open flow 1 Bbl/d
Time of open flow between initial and final tests 48 Hours
Static rock Pressure 150 psig (surface pressure) after 36 Hours

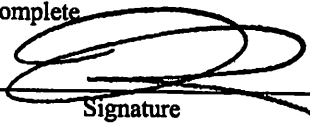
Second producing formation _____ Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ psig (surface pressure) after _____ Hours

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WV Department of
Environmental Protection

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

1-10-13
Date

03/15/2013

Were core samples taken? Yes _____ No X Were cuttings caught during drilling? Yes X 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:

PERFORATED 2142-2242 w/40
NITROGEN FRAC w/ 338 MMCF
750 B31 75% Quality Foam FRAC
w/ 500 gal 15% HCL 300 SKS 20/40 SAND

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

Formations Encountered: Top Depth / Bottom Depth
 Surface:

SAND & SHALE	0 - 305	BIG INTJUN	1910 - 1985
SAND	305 - 380	SQUAW	1985 - 2040
SAND & SHALE	380 - 635	SHALE	2040 - 2140
SHALE	635 - 690	WEIR	2140 - 2246
SAND & SHALE	690 - 810	SHALE	2246 - 2443
SHALE	810 - 840	TD	2443
SAND	840 - 890		
SAND & SHALE	890 - 1255		
SALT SANDS	1255 - 1656		
SHALE	1656 - 1685		
MAXTON	1685 - 1860		
SHALE	1860 - 1854		
LITTLE LIME	1854 - 1860		
PENCIL BAVE	1860 - 1876		
BIG LIME	1876 - 1910		