

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 #: 47-039-06332

Farm name: BAIL, RAYMOND III AND JANILE Operator Well No.: NANCY GREEN # 2A

LOCATION: Elevation: 1055 Quadrangle: CLENDENIN 7.5

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

Company: RAVEN RIDGE ENERGY LLC

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
<u>3230 PENNSYLVANIA AVE</u> <u>CHARLESTON WV 25302</u>				
Agent: <u>RYAN CUNNINGHAM</u>				
Inspector: <u>TERRY URBAN</u>	<u>9 5/8</u>		<u>380</u>	<u>CTS</u>
Date Permit Issued: <u>2-13-2012</u>	<u>7</u>		<u>1832</u>	<u>CTS</u>
Date Well Work Commenced: <u>3-15-2012</u>	<u>4 1/2</u>		<u>2371</u>	<u>1000' Fill up</u>
Date Well Work Completed: <u>3-28-2012</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>2504</u>				
Total Measured Depth (ft): <u>2504</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)</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) 2100
Gas: Initial open flow 80 MCF/d Oil: Initial open flow 2 Bbl/d
Final open flow 60 MCF/d Final open flow 1 Bbl/d
Time of open flow between initial and final tests 36 Hours
Static rock Pressure 80 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

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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.

Signature

Date

03/15/2013

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 WEIR 2100-2108 w/10 AND 2156-2196 w/20 HOLES

750 BBI 75% Quality Foam FRAC
500 gal 15% HCL 200 lbs 20/40 S.M.

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

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

SAND AND SHALE	0-405	BIG LIME	1830-1860
SAND	405-555	BIG INTUN	1860-1945
SAND AND SHALE	555-700	SQUAW	1945-1995
SAND	700-840	SHALE	1995-2100
SHALE	840-905	WEIR	2100-2195
SAND	905-970	SHALE	2195-2380
SAND AND SHALE	970-1040	COFFEE SHALE	2380-2395
SAND	1040-1080	SHALE	2395-2504
SAND AND SHALE	1080-1235	TD	2504
SALT SANDS	1235-1600		
SHALE	1600-1640		
MAXTON	1640-1770		
SHALE	1770-1805		
LITTLE LIME	1805-1820		
PENCIL CAVE	1820-1830		