

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: 8/14/2013
API #: 47-039-06345

Farm name: ASHLEY, LESLIE & CONNIE Operator Well No.: MARY BIRD 1A
LOCATION: Elevation: 1041 Quadrangle: CLIO 7.5
District: BIG SANDY County: KANAWHA
Latitude: 14120 Feet South of 38 Deg. 32 Min 30 Sec.
Longitude 9910 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.
3230 Pennsylvania Ave. Charleston, WV 25302				
Agent: Ryan Cunningham	9 5/8	382		
Inspector: TERRY URBAN	8 5/8	1831		
Date Permit Issued: 2/1/2013				
Date Well Work Commenced: 2/12/2013				
Date Well Work Completed: 3/30/2013				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 2234				
Total Measured Depth (ft): 2234				
Fresh Water Depth (ft.):				
Salt Water Depth (ft.):				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): N/A				
Void(s) encountered (N/Y) Depth(s) N/A				

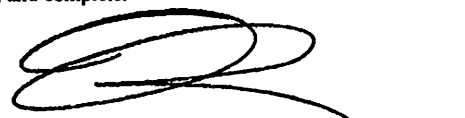
OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation WEIR Pay Zone Depth (ft) 2170 - 2190
Gas: Initial open flow MCF/d Oil: Initial open flow Bbl/d
Final open flow 20 MCF/d Oil: Final open flow 2 Bbl/d
Time of open flow between initial and final tests Hours
Static Rock Pressure 90 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 Oil: 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

8/14/13 09/27/2013
Date

Office of Oil and Gas
WV Dept. of Environmental Protection

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
NEUTRON, DENSITY, INDUCTION, TEMPERATURE, PE

GAMMA RAY

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:

SHOT WEIR 2170 - 2190 W/ 30 QTS.

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

Formations Encountered:	Top Depth	/	Bottom Depth
Surface:			
SAND & SHALE	0		280
SAND	280		310
SHALE	310		405
SAND & SHALE	405		555
SHALE	555		605
SAND & SHALE	605		700
SHALE	700		710
SAND & SHALE	710		990
SHALE	990		1150
SAND & SHALE	1150		1305
SALT SANDS	1305		1595
SHALE	1595		1635
MAXTON	1635		1755
SHALE	1755		1790
LITTLE LIME	1790		1810
SHALE	1810		1815
BIG LIME	1815		1880
BIG INJUN	1880		1950
SQUAW	1950		1990
SHALE	1990		2170
WEIR	2170		2185
SHALE	2185		2234
TOTAL DEPTH	2234		

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