

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: 08/10/2012
API #: 47-9101178

Farm name: Warden, Eric & Snelling, Lori Operator Well No.: Juanita Stout 2M

LOCATION: Elevation: 1310' GL / 1322' KB Quadrangle: Grafton 7.5'

District: Court House County: Taylor
Latitude: 2,870 Feet South of 39 Deg. 17 Min. 30 Sec.
Longitude 165 Feet West of 80 Deg. 05 Min. 00 Sec.

Company: <u>PDC Mountaineer</u>		Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: <u>120 Genesis Blvd.</u>		<u>20"</u>	<u>91'</u>	<u>91'</u>	<u>sand in</u>
<u>Bridgeport, WV 26330</u>		<u>13 3/8"</u>	<u>485'</u>	<u>485'</u>	<u>431</u>
Agent: <u>Bob Williamson</u>		<u>8 5/8"</u>	<u>2,297'</u>	<u>2,297'</u>	<u>817</u>
Inspector: <u>Bryan Harris</u>		<u>5 1/2"</u>	<u>2,900'</u>	<u>2,900'</u>	<u>110</u>
Date Permit Issued: <u>02/01/2010</u>					
Date Well Work Commenced: <u>04/05/2010</u>					
Date Well Work Completed: <u>10/06/2010</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>7790'</u>					
Total Measured Depth (ft): <u>7790'</u>					
Fresh Water Depth (ft.): <u>90'</u>					
Salt Water Depth (ft.): <u>None Reported</u>					
Is coal being mined in area (N/Y)? <u>N</u>					
Coal Depths (ft.): <u>None Reported</u>					
Void(s) encountered (N/Y) Depth(s) <u>N</u>					

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

Producing formation 4th Sand Pay zone depth (ft) 2,506
Gas: Initial open flow 0 MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 60 MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure 800 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

8-15-2012
Date

08/17/2012

Were core samples taken? Yes _____ No XX

Were cuttings caught during drilling? Yes XX No _____

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list Superior OH Combo (GR/Neutron/Dens/Induction Temp/Audio), Bond Log, Plug Set Log, Mud Log, Plug-back CBL- Perf Log.

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 interval 2,506-2,540 ft (24 shots). Frac'd 1 stage in the 4th sand using 12 bbls 15% HCL, 310 bbls of 15# Linear gel with 60Q Nitrogen, and 17 bbls of 15# linear gel carrying 50,000 lbs of 100-mesh sand and 10,000 lbs of 40/70 sand.

Plug Back Details Including Plug Type and Depth(s): Originally 5 1/2", N-80,17# csg to 7827' w/ TOC at 5970'. Freepoint & cut csg at 5250'. Pull back to 2929' & land. Set Flo-thru CIBP @2907' & cmt w/122 cu ft (TOC @ 2125). Well circulated. Perf & frac 4th SS as above.

Formations Encountered:	Top Depth	Bottom Depth
Surface:		
Big Lime	1542	1724
Gantz	1986	2004
5th Sand	2566	2606
Bradford	3720	3872
Benson	4472	4520
Sycamore	6588	6703
Tully LS	7458	7518
Marcellus	7693	7787
Onondoga Ls	7787	7790
Drillers/Loggers TD:	7790	

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Environmental Conservation

08/17/2012