

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 #: 47-3305344

Farm name: Davis, Laura Goff Operator Well No.: Goff 3HM

LOCATION: Elevation: 1,196 GL / 1,214 KB Quadrangle: Wolf Summit

District: Clark County: Harrison
Latitude: 7,930 Feet South of 39 Deg. 17 Min. 30 Sec.
Longitude 7,240 Feet West of 80 Deg. 22 Min. 30 Sec.

Company: PDC Mountaineer

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
120 Genesis Blvd. Bridgeport, WV 26330	20"	104'	104'	CmtToSurf
Agent: <u>Bob Williamson</u>	13 3/8"	472'	472'	458
Inspector: <u>Tim Bennett</u>	9 5/8"	2,426'	2,426'	1009
Date Permit Issued: <u>12/17/2009</u>	5 1/2"	6,310'	6,310'	1728
Date Well Work Commenced: <u>04/09/2010</u>				
Date Well Work Completed: <u>08/02/2010</u>				
Verbal Plugging:	2 3/8"		6980'	
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): <u>7,028</u>				
Total Measured Depth (ft): <u>9,875</u>				
Fresh Water Depth (ft.): <u>99'</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 Recorded - Air Drilled</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 Marcellus Pay zone depth (ft) 7020'
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 538 MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests 720 Hours
Static rock Pressure 3500 psig (surface pressure) after 72 Hours

Second producing formation N/A 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

8-15-2012
Date

01/11/2013

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 Weatherford Dens/Neutron/GR/Sonic/Caliper/Dual Lat, Mudlog, Quad Neutron, GR/CCL/Temp Radial Bond Log, Spectra-Chem Tracer 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 7,486 ft – 9,802 ft (350 shots). Frac'd 7 stages using 167 bbls 15% HCL, and 42,500 bbls of Slickwater carrying 483,700 lbs of 100-mesh sand, 996,800 lbs of 40/70 sand, and 72,800 lbs of 30/50 sand.

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

<u>Formations Encountered:</u>	<u>Top Depth</u>	<u>Bottom Depth</u>
<u>Surface:</u>		
Little Lime	* 1397	1415
Big Lime	1437	1550
Big Injun	1550	1603
Fifty Foot	1986	2070
Thirty Foot	2081	2130
Fourth SS	2298	2354
Fifth SS	2404	2442
Sycamore Grit	6296	6333
Genessee SH	6796	6810
Tully LS	6810	6883
Hamilton	6883	7020
Marcellus SH	7010	7100
Onondaga LS	7100	9875 MD-TD

*All log tops are from Weatherford pilot hole log at KB and are TVD unless noted as MD.

KOP at 6373' and LP at 7012'