

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:	5/28/2013		
API#:	47-033-05717		

m name: Davis, Laura Goff	Operator Well No.: Goff 16HM  Quadrangle: Wolf Summit 7.5'				
CATION: Elevation: 1158' GL / 1178' KB					
District: Clark	County: Ha	rrison			
Latitude: 11,944 Feet South of 39 Deg.					
Longitude 216 Feet West of 80 Deg.					
Company: PDC Mountaineer, LLC					
Address: 120 Genesis Boulevard	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.	
Bridgeport, WV 26330	30"	105'	105'	Cement to Surf	
Agent: Bob Williamson	13 3/8"	615'	615'	905	
Inspector: Sam Ward	9 5/8"	2,514'	2,514'	1124	
Date Permit Issued: 01/18/2013	5 1/2"	12,411'	12,411'	4277	
Date Well Work Commenced: 05/08/2013					
Date Well Work Completed: 08/04/2013					
Verbal Plugging:			Own or		
Date Permission granted on:			OSC	GEWED	
Rotary Cable Rig			Onice	of Ulf 3 Gas	
Total Vertical Depth (ft): 7,162'			NO	/ 11 4 2013	
Total Measured Depth (ft): 12,415'					
Fresh Water Depth (ft.): 140',650'			WV De	partment of	
Salt Water Depth (ft.): None recorded			Environm	ental Protection	
Is coal being mined in area (N/Y)? N					
Coal Depths (ft.): 170', 825'					
Void(s) encountered (N/Y) Depth(s) None					
Gas: Initial open flow 7,008 MCF/d Oil: Initial open flow Final open flow 5,376 MCF/d Final open flow Time of open flow between initial and final tests 68  Static rock Pressure 1,525 psig (surface pressure) after the state of the state of the state of the state of the state open flow between initial and final tests 68	one depth (ft) 7  ow Bb  Bbl  30	1059' TVD 11/d 1/d s	ata on separate sl	neet)	
Time of open flow between initial and final tests					
Static rock Pressure psig (surface pressure) aft		S			

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

10/31/2013 Date

Were core samples taken? Yes_	NoXX	Were cuttings	caught during drilling?	Yes_XX_No
Were Electrical, Mechanical or Go Phoenix Tech Services directional GR from 48	eophysical logs recorded o	on this well? If yes, plo	ease list Mudlogger's well	log from 5200' - 12,415'.
NOTE: IN THE AREA BE FRACTURING OR STIMULA DETAILED GEOLOGICAL I COAL ENCOUNTERED BY T	TING, PHYSICAL CHARECORD OF THE TO	ANGE, ETC. 2). THE OPS AND BOTTOM	E WELL LOG WHICH S OF ALL FORMA	H IS A SYSTEMATIC
Perforated Intervals, Fracturing, or	r Stimulating:			
Perforated interval 7,636 ft -	11,403 ft (750 shots)	. Frac'd 15 stages	using 360 bbls 15%	HCL and 114,700
bbls of Slickwater carrying 1	,179,300 lbs of 100-r	nesh sand and 4,9	945,200 lbs of 40/7	0 sand.
Plug Back Details Including Plug	Type and Depth(s): N/A			
Formations Encountered: Surface:	Тог	Depth /		Bottom Depth
Little Lime (est from 47-033				······································
Big Lime "	145			
Big Injun "	156	•		
Gantz "	190		***************************************	
50 Foot "	199	98 20	34	
30 Foot "	204	14 20	74	
Gordon Stray "	209	94 21	10	
4th Sand "	226	32 23	34	
5th Sand "	241	18 24	56	
Benson "	450	)8 45	56	
Sycamore (from Directional GR T\	/D Log) 6234	62	67	
Geneseo "	686	31 68	187	
Tully "	688	37 69	54	
Marcellus "	706	36 12,	415' MD-TD	
All depths are TVD except T	D.			