

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: 10-10-2012
API #: 47-009-00121

Farm name: Alan H Degarmo BRK 8H Operator Well No.: 834315

LOCATION: Elevation: 1205' Quadrangle: 247-Bethany

District: Buffalo County: Brooke
Latitude: 8460' Feet South of 40 Deg. 15 Min. 00 Sec.
Longitude 3950' Feet West of 80 Deg. 32 Min. 30 Sec.

Company: Chesapeake Appalachia, L.L.C.

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
P.O. Box 18496 Oklahoma City, OK 73154-0496	20"	130'	130'	314 Cu. Ft.
Agent: Eric Gillespie	13 3/8"	336'	336'	471 Cu. Ft.
Inspector: Bill Hendershot	9 5/8"	1715'	1715'	780 Cu. Ft.
Date Permit Issued: 1-18-2012	5 1/2"	12289'	12289'	3020 Cu. Ft.
Date Well Work Commenced: 4-14-2012				
Date Well Work Completed: 7-11-2012				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 6023'				
Total Measured Depth (ft): 12293'				
Fresh Water Depth (ft.): 71', 248'				
Salt Water Depth (ft.): 1120'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 305'				
Void(s) encountered (N/Y) Depth(s) Y 305'				

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

Producing formation Marcellus Pay zone depth (ft) 6,115'-12,149'
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow Not Tested 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

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.

Marlene Williams
Signature

10-10-2012
Date

Were core samples taken? Yes _____ No N

Were cuttings caught during drilling? Yes Y No _____

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list _____

LWD GR from 5301'-12293' MD

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:

(See attached)

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

<u>Formations Encountered:</u>	<u>Top Depth</u>	<u>/</u>	<u>Bottom Depth</u>
<u>Surface:</u>			

(See attached)

LATERAL SIDETRACK WELLBORE (no vertical pilot hole associated with this well)

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
SS/LS	0	0	305	305
Coal Void	305	305	315	315
SS/SH	315	315	570	570
SHALE	570	570	670	670
SHALE/SS	670	670	840	840
SS	840	840	1372	1372
BIG INJUN	1372	1372	1579	1579
SHALE	1579	1579	4480	4480
SHALE W/ MINOR SS	4480	4480	4530	4530
SHALE	4530	4530	5725	5693
GENESEO	5725	5693	5741	5706
TULLY	5741	5706	5823	5764
HAMILTON	5823	5764	6037	5865
MARCELLUS	6037	5865		
TD OF LATERAL			12293	6023