

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

Farm name: Margaret Corbin Operator Well No.: 5H (832967)

LOCATION: Elevation: 1150' Quadrangle: Bethany WV

District: Buffalo County: Brooke
Latitude: 6240' Feet South of 40 Deg. 15 Min. 00 Sec.
Longitude 6880' Feet West of 80 Deg. 30 Min. 00 Sec.

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WV GEOLOGICAL SURVEY
MORGANTOWN, WV

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"	97'	97'	Driven
Agent: Eric Gillespie	13 3/8"	443'	443'	240 cf
Inspector: Bill Hendershot	9 5/8"	1794'	1794'	706 cf
Date Permit Issued: 2/4/2011	5 1/2"	11022'	11022'	2687 cf
Date Well Work Commenced: 4/29/2011				
Date Well Work Completed: 10/10/2011				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 6,031'				
Total Measured Depth (ft): 11,030'				
Fresh Water Depth (ft.): 342'				
Salt Water Depth (ft.): 1100'				
Is coal being mined in area (N/Y)? None				
Coal Depths (ft.): 323				
Void(s) encountered (N/Y) Depth(s) N				

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

Producing formation Marcellus Pay zone depth (ft) 6,715-10,897'

Gas: Initial open flow 1,614 MCF/d Oil: Initial open flow 173 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 3,920 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

3-19-2012
Date

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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 induction, GR, density, neutron

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): Cement @ 10,919'

Formations Encountered:	Top Depth	/	Bottom Depth
Surface:			

(see attached)

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FORMATION/LITHOLOGY	TOP DEPTH (ft)	BOTTOM DEPTH (ft)
LS and SS	0	200
Shale and LS	200	323
Pittsburgh Coal	323	335
LS and Shale	335	450
SS	450	1350
Big Injun	1350	1633
Shale	1633	2360
Shale and SS	2360	2490
Shale	2490	2900
Shale and SS	2900	3020
Shale	3020	3310
Shale and minor SS	3310	3370
Shale	3370	4900
Shale and minor LS	4900	6400
Shale and LS	6400	6600
Shale	6600	6715
Geneseo	6715	6730
Tully	6730	6780
Marcellus	6780	11030

