

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

DATE: 10-2-2012
API #: 47-009-00109

Farm name: Mike Ryniawec BRK 8H Operator Well No.: 833799

LOCATION: Elevation: 1147' Quadrangle: Bethany WV

District: Buffalo County: Brooke
Latitude: 7270' Feet South of 40 Deg. 12 Min. 30 Sec.
Longitude 8430' Feet West of 80 Deg. 35 Min. 00 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"	100'	100'	202 Cu. Ft.
Agent: Eric Gillespie	13 3/8"	365'	365'	112 Cu. Ft.
Inspector: Bill Hendershot	9 5/8"	1854'	1854'	847 Cu. Ft.
Date Permit Issued: 11-22-2011	5 1/2"	11081'	11081'	2638 Cu. Ft.
Date Well Work Commenced: 2-10-2012				
Date Well Work Completed: 7-3-2012				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 5977'				
Total Measured Depth (ft): 11,084'				
Fresh Water Depth (ft.): 60', 320'				
Salt Water Depth (ft.): 1223'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 330'				
Void(s) encountered (N/Y) Depth(s) Y 330'				

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

Producing formation Marcellus Pay zone depth (ft) 6,130'-10,953'

Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 1,922* MCF/d Final open flow 286 Bbl/d
Time of open flow between initial and final tests 53 Hours *Calculated
Static rock Pressure 3,884* 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

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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

10-2-2012
Date

Were core samples taken? Yes _____ No X

Were cuttings caught during drilling? Yes _____ No X

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list LWD GR from 5,400' MD -10,958' 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):

Formations Encountered:	Top Depth	/	Bottom Depth
Surface:			

(See attached)

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

Maximum TVD of wellbore: 5976 ft TVD @ 11084 ft MD

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
SS	0	0	330	330
COAL	330	330	338	338
SS	338	338	750	750
LS/SS	750	750	796	796
SS	796	796	1270	1270
SS/LS	1270	1270	1300	1300
LS	1300	1300	1420	1420
SS/LS	1420	142	1470	1470
BIG INJUN	1470	1470	1674	1674
SH	1674	1674	5770	5770
GENESEO (SH)	5751	5727	5769	5741
TULLY (LS)	5769	5741	5846	5799
HAMILTON (SH)	5846	5799	6026	5892
MARCELLUS (SH)	6026	5892		
TD OF LATERAL			11084	5977

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