

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

DATE: 11-29-2012
API #: 47-051-01408

Farm name: Ray Baker 1H Operator Well No.: 832774

LOCATION: Elevation: 1310' Quadrangle: Glen Easton

District: Liberty County: Marshall
Latitude: 7080' Feet South of 39 Deg. 47 Min. 30 Sec.
Longitude 14140' Feet West of 80 Deg. 37 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	13 3/8"	1213'	1213'	1240 Cu. Ft.
Agent: Eric Gillespie	9 5/8"	2644'	2644'	1201 Cu. Ft.
Inspector: Bill Hendershot	5 1/2"	13352'	13352'	2924 Cu. Ft.
Date Permit Issued: 12-15-2010				
Date Well Work Commenced: 12-24-2010				
Date Well Work Completed: 2-4-2011(Rig release date)				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 6982'				
Total Measured Depth (ft): 13354'				
Fresh Water Depth (ft.): 395'				
Salt Water Depth (ft.): N/A				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 375'				
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) n/a (not traced)

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

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

12-10-2012
Date

01/11/2013

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 GR MWD from 6600' - 13354'

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:

Fracturing on hold

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

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

See attached

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

Maximum TVD of wellbore: 6982 ft TVD @ 13354 ft MD

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
SS/LS	0	0	375	375
PITTSBURG COAL	375	375	385	385
SILTSTONE/SHALE	385	385	2200	2200
BIG LIME	2200	2200	2481	2481
BIG INJUN (SS)	2481	2481	2580	2580
SHALE	2580	2580	2820	2820
SHALE/SS	2820	2820	3100	3100
SHALE W/ MINOR SS	3100	3100	7078	6927
GENESEO (SH)	7078	6927	7108	6947
TULLY (LS)	7108	6947	7139	6980
HAMILTON (SH)	7139	6980	7362	7062
MARCELLUS (SH)	7362	7062		
TD OF LATERAL			13354	6982