

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

DATE: 10-25-2012
API #: 47-051-01328

Farm name: Ray Baker 6H Operator Well No.: 831605

LOCATION: Elevation: 1310' Quadrangle: Glen Easton 7.5

District: Liberty County: Marshall
Latitude: 7070' Feet South of 39 Deg. 47 Min. 30 Sec.
Longitude 14120' 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"	1169'	1169'	1212 Cu. Ft.
Agent: Eric Gillespie	9 5/8"	2676'	2676'	1143 Cu. Ft.
Inspector: Bill Hendershot	5 1/2"	11830'	11830'	2975 Cu. Ft.
Date Permit Issued: 11-24-2009				
Date Well Work Commenced: 10-17-2010				
Date Well Work Completed: 11-18-2010(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): 7065'				
Total Measured Depth (ft): 11830'				
Fresh Water Depth (ft.): 395'				
Salt Water Depth (ft.): N/A				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 375', 1029'				
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 frac'd)

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

RECEIVED
OCT 26 2012
OFFICE OF OIL & GAS
STATE OF WEST VIRGINIA
WV DEPARTMENT OF ENVIRONMENTAL PROTECTION
NATIONAL ENERGY LABORATORY

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 6700' - 11830'

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>/</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: 7065 ft TVD @ 11830 ft MD

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
SILTSTONE/LS	0	0	375	375
PITTSBURG COAL	375	375	385	385
SILTSTONE/SHALE	385	385	1029	1029
COAL	1029	1029	1039	1039
SHALE W/ LS	1039	1039	1560	1560
SHALE W/ COAL	1560	1560	1590	1590
SHALE W/ SS	1590	1590	2200	2200
BIG LIME	2200	2200	2300	2300
BIG INJUN (SS)	2300	2300	2480	2480
SHALE	2480	2480	5100	5100
SHALE/SS	5100	5100	5430	5430
SHALE W/ LS	5430	5430	7139	6919
GENESEO (SH)	7139	6919	7172	6940
TULLY (LS)	7172	6940	7215	6968
HAMILTON (SH)	7215	6968	7392	7055
MARCELLUS (SH)	7392	7055		
TD OF LATERAL			11830	7065