

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

Farm name: Sandra Parr BRK 3H Operator Well No.: 833979

LOCATION: Elevation: 1280' Quadrangle: Bethany WV

District: Buffalo County: Brooke
Latitude: 5580' Feet South of 40 Deg. 12 Min. 30 Sec.
Longitude 10640' Feet West of 80 Deg. 30 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"	105'	105'	437 Cu. Ft.
Agent: Eric Gillespie	13 3/8"	673'	673'	791 Cu. Ft.
Inspector: Bill Hendershot	9 5/8"	2067'	2067'	881 Cu. Ft.
Date Permit Issued: 11-16-2011	5 1/2"	11425'	11425'	2722 Cu. Ft.
Date Well Work Commenced: 7-6-2012				
Date Well Work Completed: 9-23-2012				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 6423'				
Total Measured Depth (ft): 11425'				
Fresh Water Depth (ft.): 175'				
Salt Water Depth (ft.): 1260'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 613'				
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) 6,890'-11,294
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 1,327* MCF/d Final open flow 128 Bbl/d
Time of open flow between initial and final tests 45 Hours *Calculated
Static rock Pressure 4,119* psig (surface pressure) after 45 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

12-21-2012
Date

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

Maximum TVD of wellbore: 6423 ft TVD @ 7906 ft MD

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
SS	0	0	350	350
SHALE	350	350	613	613
PITTSBURG COAL	613	613	621	621
SHALE	621	621	700	700
SS	700	700	1200	1200
SS/LS	1200	1200	1320	1320
SS	1320	1320	1650	1650
BIG LIME	1650	1650	1770	1770
BIG INJUN (SS)	1770	1770	1967	1967
SHALE	1967	1967	6257	6216
GENESEO (SH)	6257	6216	6281	6233
TULLY (LS)	6281	6233	6348	6276
HAMILTON (SH)	6348	6276	6678	6398
MARCELLUS (SH)	6678	6398		
TD OF LATERAL			11425	6337