WR-35
Rev (9-11)

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

DATE: 8-7-2012
API #: 47-069-00079

Farm name: Charles Frye 3H Operator Well No.: 833118

LOCATION: Elevation: 1260' Quadrangle: Valley Grove, WV

District: Triadelphia County: Ohio
Latitude: 9920' Feet South of 40 Deg. 05 Min. 00 Sec.
Longitude 11010' Feet West of 80 Deg. 32 Min. 30 Sec.

Company: Chesapeake Appalachia, L.L.C.

Address: P.O. Box 18496	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Oklahoma City, OK 73154-0496	20"	90'	90'	Driven
Agent: Eric Gillespie	13 3/8"	682'	682'	558 Cu. Ft.
Inspector: Bill Hendershot	9 5/8"	2202'	2202'	948 Cu. Ft.
Date Permit Issued: 4-8-2011	5 1/2"	12610'	12610'	3147 Cu. Ft.
Date Well Work Commenced: 6-18-2011				
Date Well Work Completed: 3-8-2012				
Verbal Plugging:				
Date Permission granted on:				
Rotary ☑ Cable ☐ Rig ☐				
Total Vertical Depth (ft): 6466'				
Total Measured Depth (ft): 12618'				
Fresh Water Depth (ft.): 30'				
Salt Water Depth (ft.): 1135'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 622'				
Void(s) encountered (N/Y) Depth(s) Y 622'				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)
Producing formation Marcellus Pay zone depth (ft) 6,700' - 12,481'
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 2,316* MCF/d Final open flow 178 Bbl/d
Time of open flow between initial and final tests 62 Hours *Calculated
Static rock Pressure 4,169* 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 A Williams
Signature

9-6-2012
Date

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Were core samples taken? Yes_____ No X Were cuttings caught during drilling? Yes X No_____

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list MWD GR in lateral

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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PERFORATION RECORD ATTACHMENT

Well Number and Name: 833118 Charles Frye3H

PERFORATION RECORD			STIMULATION RECORD							
	Interval Perforated					*Fluid*		*Propping Agent*		Average
Date	From	To	Date	Interval Treated		Type	Amount	Type	Amount	Injection
12/9/2011	12,123	12,481	2/19/2012	12,123	12,481	Slk wtr	10,860	Sand	572,080	70
2/19/2012	11,671	12,029	2/20/2012	11,671	12,029	Slk wtr	10,506	Sand	571,900	77
2/20/2012	11,219	11,577	2/21/2012	11,219	11,577	Slk wtr	10,732	Sand	570,740	84
2/21/2012	10,767	11,125	2/22/2012	10,767	11,125	Slk wtr	13,584	Sand	570,240	76
2/22/2012	10,315	10,673	2/23/2012	10,315	10,673	Slk wtr	11,114	Sand	572,480	79
2/23/2012	9,863	10,222	2/25/2012	9,863	10,222	Slk wtr	11,289	Sand	572,220	76
2/25/2012	9,409	9,770	2/27/2012	9,409	9,770	Slk wtr	10,536	Sand	571,020	80
2/27/2012	8,960	9,319	3/3/2012	8,960	9,319	Slk wtr	15,436	Sand	569,960	80
3/3/2012	8,508	8,869	3/4/2012	8,508	8,869	Slk wtr	10,350	Sand	377,260	83.3
3/4/2012	8,056	8,415	3/5/2012	8,056	8,415	Slk wtr	10,814	Sand	571,660	79
3/5/2012	7,604	7,963	3/6/2012	7,604	7,963	Slk wtr	10,507	Sand	570,420	79
3/6/2012	7,152	7,511	3/7/2012	7,152	7,511	Slk wtr	10,647	Sand	571,260	83
3/7/2012	6,700	7,060	3/8/2012	6,700	7,060	Slk wtr	10,832	Sand	573,500	85

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LATERAL WELLBORE

Maximum TVD of wellbore: 6466 ft TVD @ 7905 ft MD

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
LS/SHALE	0	0	190	190
SHALE/LS	190	190	220	220
LS/SHALE	220	220	300	300
SHALE/LS	300	300	350	350
SHALE/COAL	350	350	380	380
LS/SHALE	380	380	530	530
SHALE/SS	530	530	560	560
LS/SS	560	560	620	620
ABANDONED MINE SHAFT	620	620	636	636
NO SAMPLES	636	636	683	683
SHALE	683	683	950	950
SHALE/SS	950	950	1050	1050
SHALE	1050	1050	1100	1100
SHALE/SS	1100	1100	1200	1200
SS/SHALE	1200	1200	1250	1250
SS	1250	1250	1300	1300
SHALE/SS	1300	1300	1350	1350
SS/SHALE	1350	1350	1400	1400
SHALE/SS	1400	1400	1430	1430
SS/SHALE	1430	1430	1600	1600
SHALE/SS	1600	1600	1620	1620
SS/SHALE	1620	1620	1650	1650
SS/LS	1650	1650	1750	1750
SS/SHALE	1750	1750	1810	1810
BIG INJUN	1810	1810	2020	2020
SHALE	2020	2020	2350	2350
SHALE/SS	2350	2350	2400	2400
SHALE	2400	2400	3250	3250
SHALE/SS	3250	3250	3300	3300
SHALE	3300	3300	4270	4270
SHALE/SS	4270	4270	4300	4300
SHALE	4300	4300	5990	5989
SHALE/LS	5990	5989	6080	6076
SHALE	6080	6076	6240	6222
SHALE/LS	6240	6222	6354	6316
TULLY	6354	6316	6390	6343
HAMILTON	6390	6343	6641	6454
MARCELLUS	6641	6454	12618	6413

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TD	12618	6413	0