

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

DATE: 10-30-2012
API #: 47-069-00124

Farm name: Melvin Kahle OHI 3H Operator Well No.: 834929

LOCATION: Elevation: 1280' Quadrangle: Wheeling WV

District: Triadelphia County: Ohio
Latitude: 90' Feet South of 40 Deg. 05 Min. 00 Sec.
Longitude 4180' 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	20"	110'	110'	269 Cu. Ft.
Agent: Eric Gillespie	13 3/8"	649'	649'	634 Cu. Ft.
Inspector: Bill Hendershot	9 5/8"	2116'	2116'	926 Cu. Ft.
Date Permit Issued: 5-23-2012	5 1/2"	12750'	12750'	2672 Cu. Ft.
Date Well Work Commenced: 6-10-2012				
Date Well Work Completed: 8-2-2012				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 6306'				
Total Measured Depth (ft): 12752'				
Fresh Water Depth (ft.): 155'				
Salt Water Depth (ft.): 1100'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 597' (VOID)				
Void(s) encountered (N/Y) Depth(s) Y 607'				

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'-12,611'

Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow Not Tested 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

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

11-1-2012
Date

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Were core samples taken? Yes _____ No

Were cuttings caught during drilling? Yes _____ No

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list GR MWD from 5,306'-12,699' 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):

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

(See attached)

PERFORATION RECORD ATTACHMENT

Well Number and Name: 834929 Melvin Kahle OHI 3H

PERFORATION RECORD			STIMULATION RECORD							
Date	Interval Perforated		Date	Interval Treated		Fluid		Propping Agent		Average Injection
	From	To		Type	Amount	Type	Amount			
7/21/2012	12,020	12,611	7/27/2012	12,020	12,611	Sik wtr	10,941	Sand	663,840	80
7/28/2012	11,611	11,942	7/28/2012	11,611	11,942	Sik wtr	6,925	Sand	400,620	80
7/29/2012	11,202	11,533	7/29/2012	11,202	11,533	Sik wtr	7,524	Sand	402,380	79.6
7/29/2012	10,792	11,124	7/29/2012	10,792	11,124	Sik wtr	6,740	Sand	403,160	79.9
7/29/2012	10,383	10,714	7/29/2012	10,383	10,714	Sik wtr	7,132	Sand	402,240	80.3
7/30/2012	9,974	10,305	7/30/2012	9,974	10,305	Sik wtr	8,512	Sand	402,680	72.1
7/30/2012	9,565	9,896	7/31/2012	9,565	9,896	Sik wtr	6,771	Sand	404,160	79.5
7/31/2012	9,155	9,487	7/31/2012	9,155	9,487	Sik wtr	10,140	Sand	399,120	80
7/31/2012	8,746	9,077	7/31/2012	8,746	9,077	Sik wtr	7,109	Sand	404,000	80
8/1/2012	8,337	8,668	8/1/2012	8,337	8,668	Sik wtr	7,159	Sand	400,260	79.8
8/1/2012	7,928	8,259	8/1/2012	7,928	8,259	Sik wtr	6,855	Sand	400,300	79
8/1/2012	7,518	7,850	8/1/2012	7,518	7,850	Sik wtr	6,907	Sand	398,080	80
8/2/2012	7,109	7,440	8/2/2012	7,109	7,440	Sik wtr	7,086	Sand	403,680	79.5
8/3/2012	6,700	7,031	8/2/2012	6,700	7,031	Sik wtr	6,835	Sand	396,940	79.3

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

Maximum TVD of wellbore: 6306 ft TVD @ 6883 ft MD

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
LS/SS	0	0	597	597
PITTSBURG COAL (VOID)	597	597	609	609
SH/LS	609	609	750	750
SS/SH	750	750	880	880
REDBEDS	880	880	900	900
SHALE	900	900	1040	1040
SS	1040	1040	1590	1590
BIG INJUN (SS)	1590	1590	1970	1970
SHALE	1970	1970	6165	6118
GENESECO (SH)	6165	6118	6190	6135
TULLY (LS)	6190	6135	6264	6180
HAMILTON (SH)	6264	6180	6495	6273
MARCELLUS (SH)	6495	6273		
TD OF LATERAL			12752	6226

12/07/2012