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:	9-7-2012	THE
API#:	47-069-00063	

Farm name: Esther Weeks 1H	Operator Well No.: 832742 Quadrangle: Valley Grove WV County: Ohio				
LOCATION: Elevation: 1260'					
District: Liberty					
Latitude: 3040' Feet South of 40 Deg.	02 Mir		;.		
Longitude 5920' Feet West of 80 Deg.	32 Min	sec. 30	. .		
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"	100'	100'	303 Cu. Ft.	
Agent: Eric Gillespie	13 3/8"	353'	353'	409 Cu. Ft.	
Inspector: Bill Hendershot	9 5/8"	2160'	2160'	1010 Cu. Ft.	
Date Permit Issued: 12/8/2010	5 1/2"	12372'	12372'	2879 Cu. Ft.	
Date Well Work Commenced: 2/4/2011					
Date Well Work Completed: 2/3/2012					
Verbal Plugging:					
Date Permission granted on:					
Rotary Cable Rig					
Total Vertical Depth (ft): 6744' (cement plug@ 5000' - 6731')				1	
Total Measured Depth (ft): 12377'					
Fresh Water Depth (ft.): 30'					
Salt Water Depth (ft.): 1000'					
Is coal being mined in area (N/Y)? Y					
Coal Depths (ft.): 690'					
Void(s) encountered (N/Y) Depth(s) N					
OPEN ELOW DATA (If more than two weeks in Secretion			<u></u>	·	
OPEN FLOW DATA (If more than two producing formation Producing formation Marcellus Pay z	ns piease inclue one depth (ft) ⁷		ta on separate si	ieet)	
Gas: Initial open flow MCF/d Oil: Initial open flo					
Final open flow 2,284* MCF/d Final open flow	161 Bb	1/d			
Time of open flow between initial and final tests 74	Hours	*Calculated			
Static rock Pressure 4,280* psig (surface pressure) after	erHour	rs			
Second producing formation Pay zon	e depth (ft)				
Gas: Initial open flow MCF/d Oil: Initial open flow Bbl/d					
Final open flow MCF/d Final open flow	Bb	I/d			
Time of open flow between initial and final tests	Hours				
Static rock Pressurepsig (surface pressure) after	erHour	S			

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.

Marline Williams
Signature

9-7-2012 Date 11/09/2012

Were core samples taken? YesNo	Wei	e cuttings caught durir	ng drilling? Yes NoNo
Were Electrical, Mechanical or Geophysical open hole logs run from 0-6730' MD; LWD GR from 4861-12	logs recorded on this well?	If yes, please list GR,	neutron, density, and resistivity
NOTE: IN THE AREA BELOW PU FRACTURING OR STIMULATING, PI DETAILED GEOLOGICAL RECORD COAL ENCOUNTERED BY THE WEL	HYSICAL CHANGE, ETO OF THE TOPS AND I	C. 2). THE WELL LO BOTTOMS OF ALI	OG WHICH IS A SYSTEMATIC FORMATIONS, INCLUDING
Perforated Intervals, Fracturing, or Stimulat	ing:		
(See Attached)			
Plug Back Details Including Plug Type and	Depth(s): Cement plug	@ 5,000' - 6731	1
Formations Encountered: Surface:	Top Depth	/	Bottom Depth
(See Attached)			
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PERFORATION RECORD ATTACHMENT

Well Name and Number: Esther Weeks 1H (832742)

PERFO	RATION R	ECORD	STIMULATION RECORD							
	Interval P	erforated			Fluid		Propping Agent		Average	
Date	From	То	Date	Interval	Treated	Туре	Amount	Type	Amount	Injection
1/29/2012	11,832	12,214	1/29/2012	11,832	12,214	Sik Wtr	11,522	Sand	578,417	86
1/30/2012	11,357	11,739	1/30/2012	11,357	11,739	Slk Wtr	12,610	Sand	`572,721	85
1/31/2012	10,882	11,264	1/31/2012	10,882	11,264	Slk Wtr	11,161	Sand	572,901	85
1/31/2012	10,407	10,789	1/31/2012	10,407	10,789	Sik Wtr	9,496	Sand	397,089	85
2/1/2012	9,932	10,314	2/1/2012	9,932	10,314	Sik Wtr	10,975	Sand	571,331	87
2/1/2012	9,457	9,839	2/1/2012	9,457	9,839	Sik Wtr	12,076	Sand	572,278	84
2/2/2012	8,982	9,364	2/2/2012	8,982	9,364	Slk Wtr	10,899	Sand	573,186	84
2/2/2012	8,507	8,889	2/2/2012	8,507	8,889	Slk Wtr	10,871	Sand	571,124	86
2/3/2012	8,032	8,414	2/3/2012	8,032	8,414	Sik Wtr	10,937	Sand	556,984	85
2/3/2012	7,557	7,939	2/3/2012	7,557	7,939	Slk Wtr	10,533	Sand	530,663	86
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VERTICAL PILOT HOLE

Formation/Lithology	Top Depth, TVD/MD (ft)	Bottom Depth, TVD/MD (ft)
SS	0	100
LS/SS	100	690
PITTSBURG COAL	690	700
LS/SHALE	700	810
SS/LS	810	950
SHALE	950	1300
SS	1300	1740
BIG LIME	1740	1850
BIG INJUN	1850	2100
SHALE	2100	6480
GENESEO	6480	6501
TULLY	6501	6525
HAMILTON	6525	6647
MARCELLUS	6647	6704
ONONDAGA (LS)	6704	
TD OF PILOT HOLE		6744

LATERAL SIDETRACK WELLBORE

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
SS	0	0	100	100
LS/SS	100	100	690	690
PITTSBURG COAL	690	690	700	700
LS/SHALE	700	700	810	810
SS/LS	810	810	950	950
SHALE	950	950	1300	1300
SS	1300	1300	1740	1740
BIG LIME	1740	1740	1850	1850
BIG INJUN	1850	1850	2100	2100
SHALE	2100	2100	6954	6463
GENESEO	6954	6463	7010	6492
TULLY .	7010	6492	7036	6505
HAMILTON	7036	6505	7386	6633
MARCELLUS	7386	6633		
TD OF LATERAL			12377	6584