

REVISED

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: 11-28-2012
API #: 47-029-00141

Farm name: Allison HNK 3H M Operator Well No.: 834412

LOCATION: Elevation: 1275' Quadrangle: East Liverpool South

District: Clay County: Hancock
Latitude: 1520' Feet South of 40 Deg. 32 Min. 30 Sec.
Longitude 14600' Feet West of 80 Deg. 32 Min. 30 Sec.

Company: Chesapeake Appalachia, L.L.C.

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
<u>P.O. Box 18496</u>				
<u>Oklahoma City, OK 73154-0496</u>	<u>13 3/8"</u>	<u>662'</u>	<u>662'</u>	<u>735 Cu. Ft.</u>
<u>Agent: Eric Gillespie</u>	<u>9 5/8"</u>	<u>1525'</u>	<u>1525'</u>	<u>696 Cu. Ft.</u>
<u>Inspector: Bill Hendershot</u>	<u>5 1/2"</u>	<u>8309'</u>	<u>8309'</u>	<u>2122 Cu. Ft.</u>
<u>Date Permit Issued: 1-18-2012</u>				
<u>Date Well Work Commenced: 4-29-2012</u>				
<u>Date Well Work Completed: 7-30-2012</u>				
<u>Verbal Plugging:</u>				
<u>Date Permission granted on:</u>				
<u>Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/></u>				
<u>Total Vertical Depth (ft): 5175' (cement plug @ 3720'-5175')</u>				
<u>Total Measured Depth (ft): 8309'</u>				
<u>Fresh Water Depth (ft.): 500'</u>				
<u>Salt Water Depth (ft.): 795'</u>				
<u>Is coal being mined in area (N/Y)? N</u>				
<u>Coal Depths (ft.): 585'</u>				
<u>Void(s) encountered (N/Y) Depth(s) N</u>				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation West Falls Pay zone depth (ft) 4,550'-5096'

Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 1,161* MCF/d Final open flow 5 Bbl/d *Calculated
Time of open flow between initial and final tests 239 Hours
Static rock Pressure 3,001* 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

12-3-2012
Date

02/08/2013

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 _____

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): (cement plug @ 3720'-5175')

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

(See attached)

Vertical

Formation/Lithology	TVD Top	MD Top	TVD Bottom	MD Bottom
Pennsylvanian Unconsolidated	0'	0'	615'	615'
Big Injun SS	615'	615'	690'	690'
Shale	690'	690'	1300'	1300'
Berea SS	1300'	1300'	1375'	1375'
Shale	1375'	1375'	3800'	3800'
Java Shale	3800'	3800'	4200'	4200'
West Falls Fm.	4200'	4200'	4950'	4950'
Tully Limestone	4950'	4950'	4988'	4988'
Hamilton Shale	4988'	4988'	5070'	5070'
Marcellus Shale	5070'	5070'	5100'	5100'
Onondaga Limestone	5100'	5100'		
Pilot TD			5175'	5175'

Horizontal (from Mudlogs)

Pennsylvanian Unconsolidated	0'	0'	615'	615'
Big Injun SS	615'	615'	690'	690'
Shale	690'	690'	1300'	1300'
Berea SS	1300'	1300'	1375'	1375'
Shale	1375'	1375'	3800'	3800'
Java Shale	3800'	3800'	4200'	4200'
West Falls Fm.	4550'	5096'		
Well TD			4618'	8254'
Tully Limestone	Not Penetrated	Not Penetrated	Not Penetrated	Not Penetrated
Hamilton Shale	Not Penetrated	Not Penetrated	Not Penetrated	Not Penetrated
Marcellus Shale	Not Penetrated	Not Penetrated	Not Penetrated	Not Penetrated
Onondaga Limestone	Not Penetrated	Not Penetrated	Not Penetrated	Not Penetrated