

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

API 47-051-0310 W County Marshall District Franklin  
Quad New Martinsville, WV Pad Name N/A Field/Pool Name N/A  
Farm name Axiall Corp. Well Number No. 8 Injection  
Operator (as registered with the OOG) Eagle Natrium LLC/Axiall Corp.  
Address N. St. Rt. 2, City New Martinsville State WV Zip 26155

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey  
Top hole Northing \_\_\_\_\_ Easting \_\_\_\_\_  
Landing Point of Curve Northing \_\_\_\_\_ Easting \_\_\_\_\_  
Bottom Hole Northing \_\_\_\_\_ Easting \_\_\_\_\_

Elevation (ft) \_\_\_\_\_ GL Type of Well  New  Existing Type of Report  Interim  Final  
Permit Type  Deviated  Horizontal  Horizontal 6A  Vertical Depth Type  Deep  Shallow  
Type of Operation  Convert  Deepen  Drill  Plug Back  Redrilling  Rework  Stimulate  
Well Type  Brine Disposal  CBM  Gas  Oil  Secondary Recovery  Solution Mining  Storage  Other \_\_\_\_\_  
Type of Completion  Single  Multiple Fluids Produced  Brine  Gas  NGL  Oil  Other Water Injection  
Drilled with  Cable  Rotary

Drilling Media Surface hole  Air  Mud  Fresh Water Intermediate hole  Air  Mud  Fresh Water  Brine  
Production hole  Air  Mud  Fresh Water  Brine  
Mud Type(s) and Additive(s)  
Brine Water mixed with 2%KCL

Date permit issued 11/15/2013 Date drilling commenced 11/20/2013 Date drilling ceased 2/25/2014  
Date completion activities began N/A Date completion activities ceased N/A  
Verbal plugging (Y/N) N Date permission granted N/A Granted by N/A

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft 50' Open mine(s) (Y/N) depths N/A  
Salt water depth(s) ft 1050'-1750' Void(s) encountered (Y/N) depths N/A  
Coal depth(s) ft 240' - 260' Cavern(s) encountered (Y/N) depths N/A  
Is coal being mined in area (Y/N) N

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Reviewed by:

NOV 24 2014

12/05/2014

WR-35  
Rev. 8/23/13

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CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/N) * Provide details below*
Conductor		16"	61'	New	52.36		
Surface		13 3/8"	414'	New	H-40 @48.9lb/ft		
Coal							
Intermediate 1		10 3/4"	1534'	New	32.75		
Intermediate 2							
Intermediate 3							
Production		8 5/8"	6812'	New	J55 @ 36lb/ft		
Tubing		5"	6280'		17lb/ft		
Packer type and depth set							

Comment Details Perforations were made in the 8 5/8" Production casing to perform a squeeze job, not for fracing purposes. The perms. were made from 5630' to 5628', 5575 to 5573', 3285' to 3283', 2562' 2560', 880' to 878'. Cement was squeezed from 5630' to Surface. 6280' of 5 1/2" 17lb/ft casing was installed and cemented to 3200'.

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft <sup>3</sup> /sks)	Volume (ft <sup>3</sup> )	Cement Top (MD)	WOC (hrs)
Conductor							
Surface							
Coal							
Intermediate 1		888 Sacks					
Intermediate 2							
Intermediate 3							
Production		360 Sacks					
Tubing						3200'	

Drillers TD (ft) N/A Loggers TD (ft) N/A  
 Deepest formation penetrated N/A Plug back to (ft) N/A  
 Plug back procedure N/A

Kick off depth (ft) N/A

Check all wireline logs run  caliper  density  deviated/directional  induction  
 neutron  resistivity  gamma ray  temperature  sonic

Well cored  Yes  No Conventional Sidewall Were cuttings collected  Yes  No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING N/A

WAS WELL COMPLETED AS SHOT HOLE  Yes  No DETAILS N/A

WAS WELL COMPLETED OPEN HOLE?  Yes  No DETAILS N/A

WERE TRACERS USED  Yes  No TYPE OF TRACER(S) USED N/A

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