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

API 47-051-0523 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. 11 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 10/21/2013 Date drilling commenced 10/26/2013 Date drilling ceased 11/19/2013
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 256' - 261' Cavern(s) encountered (Y/N) depths N/A
Is coal being mined in area (Y/N) N

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Reviewed by: _____
12/05/2014

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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"	62'	New	52.36		
Surface							
Coal							
Intermediate 1		10 3/4"	1609'	New	H-40 @32.75		
Intermediate 2							
Intermediate 3							
Production		7"	8455'	New	N-80 @ 26lb/ft		
Tubing		5"	365'		N-80 @18lb/ft		
Packer type and depth set							

Comment Details Perforations were made in the 7" Production casing to perform a squeeze job, not for fracing purposes. The perms. were made from 4950' to 4948'. Cement was squeezed from 4950' to 2120'.

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³ /sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)
Conductor							
Surface							
Coal							
Intermediate 1						Surface	
Intermediate 2							
Intermediate 3							
Production						2120'	
Tubing							

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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