



## Andrews, David

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**From:** Brunk, Andrew [Andrew.Brunk@Williams.com]  
**Sent:** Friday, October 08, 2010 8:39 AM  
**To:** Jackson, Jim; Cass, Lynn; Scharf, Allan; Beougher, Justin; Bascom, Brent; Thompson, Bud; Brunk, Andrew; Ragsdale, Ted; Kraft, Bill; Kellerby, Shaun; Longworth, Mike; Andrews, David; Halcomb, Steve  
**Subject:** Post Cement report Fed RGU 322-6-297 API 05-103-11488-00  
**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Frontier 11 reached @ TD on the Fed RGU 322-6-297 API 05-103-11488-00 well @ MD of 3,130' and ran 72 jt 9 5/8" J-55 36# casing tallied @ 3,124' & set @ 3,120'. W/ Weatherford float equipment & stage tool.  
Stage collar @ 1,151'.  
Shoe jt length = 42.98'

### Cement details:

1st stage.  
Pumped 20 bbl fresh water spacer.  
244 bbl (800 sx) 12.8# Poz A cement @ 1.71 yld.  
237 bbl fresh water displacement.  
720 psi lift pressure prior to Bump.  
Bump plug to 1300 psi.  
Released pressure 3/4 bbl returned to displacement tank. Floats held.

Drop Bomb, wait 15 min. open DV tool @ 750 psi.  
Circ 4 hrs for 2nd stage.  
80 bbl cement returned to surface.

2nd Stage.  
Pumped 20 bbl fresh water spacer.  
234 bbl (768 sx) 12.8 # Poz A cement @ 1.71 yld. (cement back to surface @ 200 bbl away, drop plug switch to displacement).  
Displace w/ 89 bbl fresh water. 140 bbl cement circ back to surface.  
320 psi lift pressure.  
Bump plug to 1500 psi sleeve shifted to closed.  
Cement fell 14' below cellar.

Top out.  
6 bbl (20 sx) 15.8# Neat G cement @ 1.15 yld  
3 bbl circ back to surface.  
Cement level at bottom of cellar.