



Andrews, David

045-19482

**From:** Oaks, Rick [Rick.Oaks@Williams.com]  
**Sent:** Monday, August 15, 2011 11:02 PM  
**To:** Andrews, David; Longworth, Mike; Kellerby, Shaun; Cass, Lynn; Ragsdale, Ted; Franzone, Tony  
**Subject:** H&P 278 ( TR 332-32-597) cement & top outs.

David, H&P 278 ran surface casing and cemented on the CTR 332-32-597  
 We pumped 10 bbls fresh water spacer, pumped 50 bbl super flush,  
 pump 10 bbls fresh water spacer, pumped lead cement 1200 sks, 480 bbls slurry, 12.3 ppg,  
 2.23 yield and 12.21 gal/sk...pump tail cement, 250 sks, 92.2 bbls slurry, 12.6 ppg, 2.07 yield,  
 11.04 gal/sk drop plug pump 214.7 bbls drl mud displacement land plug w/ 930 psi. 420 psi lift w/ 4 bbls min  
 pump 10 bbls sugar water throw parasite string. we had no returns through out the hole job.  
 we topped off with super flush and 175 sks 15,8 ppg 1.15 yield @ 5.0 gal/sk mix, superflush 100  
 38 bbls to top out.

~~CTR 42-32-597 we pumped 204 sks, 15.8 ppg, 1.15 yield, w/ 5.0 gal/sk mix,  
 pumped 5 bbls super flush 100, w/ calcium chloride 50% bag topped out w/ 70 bbls slurry  
 CTR 412-32-597 we pumped 60 sks 15.8 ppg, 1.15 gal/sk, pumped 5 bbls super flush 100  
 38 bbls to top out  
 all the cement topped out~~

Thanks Rick Oaks  
 Williams production rmt 970-210-2167