



## SURFACE CASING CEMENT SUMMARY

Andrews, David

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**From:** GJRig01@oxy.com  
**Sent:** Thursday, March 25, 2010 5:35 PM  
**To:** Andrews, David  
**Subject:** CEMENT SUMMARY.

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Mr. Andrews,

The following 9-5/8" surface casing string:

Well 697-16-27A, API 05-045-17605-00

PRESSURE TESTED LINES TO 3500 PSI.  
PUMPED 10 BBLS FRESH WATER, 20 BBLS SUPER FLUSH, 10 BBLS OF FRESH WATER.

CEMENTED 9-5/8" SURFACE CASING WITH:

456 BBLS - 1100.0 SACKS OF 12.3 PPG - 2.33CU FT/SACK LEAD.  
66 BBLS - 180 SACKS OF 12.8 PPG - 2.07CU FT/SACK TAIL.  
SAW 0% RETURNS WHILE PUMPING CEMENT; HAD 0 BBLS CEMENT TO SURFACE.  
DISPLACED WITH 204 BBLS OF FRESH WATER 5-3 BBL/MIN.  
SAW 809 PSI LIFT PRESSURE  
BUMPED PLUG AT 2 BBL/MIN WITH 1500 PSI.  
FLOATS HELD.  
CIP AT 03/24/2010 14:21  
CASING SHOE 2735' AND TOP FLOAT COLLAR AT 2690'.

TOP JOB: FOR WELL 697-16-27A

TOP OUT JOB:  
PERFORMED 6 TOP OUT JOBS AS FOLLOWS:  
511SKS, 180BBLS, 12.5PPG, 1.97FT3/SX, 10.96 GAL/SX.  
243SXS, 49BBLS, 15.8PPG, 1.15FT3/SK, 5.0 GAL/SX, 2% CAL. CHLORIDE.  
CEMENT BACK TO SURFACE AND HELD.

If you have any questions please contact OXY DSM

Thanks,

Fred Cates, OB Sanchez

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