



**Andrews, David**

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**From:** GJRig02@oxy.com  
**Sent:** Saturday, November 12, 2011 7:01 AM  
**To:** Andrews, David  
**Cc:** Simon\_Benevides@oxy.com  
**Subject:** OXY/H&P353/CC-697-05-30B/CC-697-05C PAD SURFACE CEMENTING SUMMARY.

David,

Here is the Cementing Summary for the CC-697-05-30B surface. (API- 05-045-20368-00).

TESTED LINES TO 2,500 PSI. GOOD TEST.  
CEMENTED 9.625", 36#, J-55, LTC CASING SET @ 2,692'.  
PUMPED 20 BBLS FRESH WATER; 20 BBLS GEL SPACER; & 20 BBLS FRESH WATER.

MIXED AND PUMPED 1060 SKS VERSACEM LEAD - 435 BBL, 12.3 PPG, 2.33 YIELD @ 6 BPM.

FOLLOWED BY 160 SKS VERSACEM TAIL - 59 BBL, 12.8 PPG, 2.07 YIELD.

50% EXCESS ON BOTH.

DISPLACED CEMENT WITH 201 BBL FRESH WATER.

LOST RETURNS WHILE PUMPING SPACERS @ 6 BPM.  
REGAINED CIRCULATION 160 BBL LEAD SLURRY PUMPED.  
MUD CUT CEMENT TO SURFACE W/ 30 BBLS TAIL CEMENT PUMPED.  
FULL RETURNS TO SURFACE FOR THE REMAINDER OF THE JOB. CIRCULATED 233 BBLS MUD CUT CMT TO SURFACE.

TOTAL BBLS OF MUD RETURNED 405 BBLS. 233 BBLS CMT.

DROPPED WIPER PLUG AND DISPLACED CEMENT W/ 201 BBLS FRESH WATER @ 6 BPM.  
WITH 190 BBLS DISPLACEMENT PUMPED OBSERVED 620 PSI LIFT PRESSURE @ 6 BPM.  
SLOWED RATE TO 1 BPM FOR THE LAST 10 BBLS OF DISPLACEMENT AND OBSERVED A LIFT PRESSURE OF 650 PSI. PLUG WAS BUMPED W/ 1300 PSI AND PRESSURE WAS HELD FOR 5 MIN BEFORE IT WAS BLED OFF. FLOATS HELD.

PLUG DOWN 23:30 HRS.

TESTED CASING TO 1500 PSI FOR 30 MIN. GOOD TEST.

FLUSHED PARASITE LINE W/ 10 BBLS SUGAR WATER. LOADED 6 BBL, PRESSURED TO 820 PSI, ESTABLISHED CIRC TO SURFACE.

CMT FELL ~50' AFTER 2 HRS.

TOPPED OUT TO SURFACE WITH 25 SKS ( 8.77 BBLS) TOP OUT CEMENT MIXED @ 12.5 PPG, 1.97 CU FT/SX & 10.96 GAL H2O/SX.

AFTER 1-1/2 HR CEMENT FELL BACK 1.5'. RELEASED HALLIBURTON.

Thanks,  
Jeremy Kneese  
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