



**Andrews, David**

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**From:** GJRig02@oxy.com  
**Sent:** Wednesday, January 11, 2012 8:34 PM  
**To:** Andrews, David  
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**Subject:** OXY/H&P353/CC-697-05-45/CC-697-05C PAD 9 5/8" SURFACE CEMENT SUMMARY

9 5/8" SURFACE CASING SET AT 2,694'.  
API # - 05-045-20362-00

HELD PJSM W/RIG CREW & HALLIBURTON.

OFFLINE CEMENTING: TESTED LINES TO 2500 PSI. GOOD TEST.

CEMENTED 9.625", 36#, J-55, LTC CASING SET @ 2694'. PUMPED 20 BBLS FRESH WATER; 20 BBLS GEL SPACER; & 20 BBLS FRESH WATER.

CEMENTED W/ 1060 SKS LEAD - 440 BBL, 12.3 PPG, 2.33 YIELD VERSACEM @ 6 BPM. & 160 SKS TAIL - 58.9 BBL, 12.8 PPG, 2.07 YIELD, VERSACEM. 50% EXCESS ON BOTH. NO RETURNS OBSERVED WHILE PUMPING.

DISPLACED CEMENT W/ 205 BBLS FRESH WATER @ 6 BPM. SLOWED RATE TO 2 BPM FOR THE LAST 10 BBLS OF DISPLACEMENT AND OBSERVED A LIFT PRESSURE OF 650 PSI. BUMPED PLUG TO 1250 PSI. HELD PRESSURE OR 5 MIN. RELEASE PRESSURE FLOATS HELD.

PRESSURE TESTED CSG TO 1500 PSI F/ 30 MIN.

FLUSHED PARASITE LINE W/ 10 BBLS SUGAR WATER. (530 PSI @ 2 BPM) START TOP OUT JOB.

TOPPED OUT WITH A TOTAL OF 100 SACKS ( 35.1 BBLS) HALCEM MIXED @ 12.5 PPG, 1.97 CU FT/SX & 10.96 GAL WATER PER SACK.

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