

Andrews, David



**From:** GJRig02@oxy.com  
**Sent:** Wednesday, May 09, 2012 8:24 AM  
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**Subject:** OXY/H&P353/CC-697-05-76B/CC-697-08A PAD SURFACE CEMENT REPORT

CEMENTING: TESTED LINES TO 3,000 PSI. GOOD TEST.

CEMENTED 9.625", 36#, J-55, LTC CASING SET @ 2,702'. PUMPED 10 BBLS FRESH WATER; 20 BBLS GEL SPACER; & 10 BBLS FRESH WATER.

CEMENTED W/ 1160 SKS LEAD 444.2 BBL, 12.3 PPG, 2.15 YIELD VERSACEM @ 6 BPM. & 160 SKS TAIL 59 BBL, 12.8 PPG, 2.07 YIELD, VERSACEM. 50% EXCESS ON BOTH.

OBSERVED NO RETURNS DURING JOB. TOTAL CMT TO SURFACE WAS 0 BBLS. SLOWED RATE TO 2 BPM AT 194 BBLS INTO DISPLACEMENT.

DISPLACED CEMENT W/ 203.6 BBLS FRESH WATER @ 6 BPM. SLOWED RATE TO 2 BPM FOR THE LAST 10 BBLS OF DISPLACEMENT AND OBSERVED A LIFT PRESSURE OF 415 PSI. BUMPED PLUG TO 1,080 PSI. HELD PRESSURE FOR 5 MIN. RELEASE PRESSURE FLOATS HELD. HAD 1 BBL. OF FLOW BACK.

PRESSURE TESTED CSG TO 1500 PSI F/ 30 MIN.  
TEST PASSED.

FLUSHED PARASITE LINE W/ 10 BBLS SUGAR WATER. ( AT 5.5 BBLS OBSERVED 395 PSI @ 2 BPM PARASITE FLUSHED)

TOP OUT:  
HALCEM MIXED @ 12.5 PPG, 1.97 CU FT/SX & 10.96 GAL WATER PER SACK.  
TOP OUT WITH 44 SKS ( 16 BBLS ) 7 BBLS TO SURFACE.

CEMENT FELL 6' AFTER 3 HRS.

MUD LOSSES TO FORMATION: 660 BBLS  
CUMMULATIVE SECTION LOSSES: 740 BBLS

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