



Andrews, David

045-20957

**From:** GJRig02@oxy.com  
**Sent:** Tuesday, May 01, 2012 10:06 PM  
**To:** Andrews, David; Brad\_Ahlquist@Oxy.com; Nikolai\_Amortegui@oxy.com; Simon\_Benavides@oxy.com  
**Subject:** OXY/H&P353/CC-697-05-59/CC-697-08A PAD SURFACE CEMENT REPORT

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

CEMENTED 9.625", 36#, J-55, LTC CASING SET @ 2,719'. PUMPED 10 BBLS FRESH WATER; 20 BBLS GEL SPACER; & 10 BBLS FRESH WATER.

CEMENTED W/ 1,210 SKS LEAD 463.3 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.

DISPLACED CEMENT W/ 204 BBLS FRESH WATER @ 6 BPM. SLOWED RATE TO 2 BPM FOR THE LAST 10 BBLS OF DISPLACEMENT AND OBSERVED A LIFT PRESSURE OF 488 PSI. BUMPED PLUG TO 988 PSI. HELD PRESSURE FOR 5 MIN. RELEASE PRESSURE FLOATS HELD. HAD 3/4 BBL. OF FLOW BACK.

HAD NO RETURNS DURING CEMENT JOB UNTIL 300 BBLS. INTO THE LEAD AND LOST RETURNS 20 BBLS. INTO DISPLACEMENT. NO CEMENT TO SURFACE.

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

FLUSHED PARASITE LINE W/ 10 BBLS SUGAR WATER. ( AT 7 BBLS OBSERVED 402 PSI @ 2 BPM PARASITE FLUSHED)

CAL. TOP OF CEMENT AT 160'

TOP OUT:  
HALCEM MIXED @ 12.5 PPG, 1.97 CU FT/SX & 10.96 GAL WATER PER SACK.  
TOP OUT WITH 65 SKS ( 23 BBLS ) 8 BBLS TO SURFACE.

CEMENT FELL 35' AFTER 3 HRS.

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