



Andrews, David

045-20965

**From:** GJRig02@oxy.com  
**Sent:** Thursday, May 03, 2012 6:19 PM  
**To:** Andrews, David; Brad\_Ahlquist@Oxy.com; Nikolai\_Amortegui@oxy.com;  
Simon\_Benavides@oxy.com  
**Subject:** Oxy/h&p353/cc-697-05-76a/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 @ 2,703'. PUMPED 10 BBLS FRESH WATER; 20 BBLS GEL SPACER; & 10 BBLS FRESH WATER.

CEMENTED W/ 1,160 SKS LEAD 444.2 BBL, 12.3 PPG, 2.15 YIELD VERSACEM @ 6 BPM. & 21 SKS TAIL 8 BBL, 12.8 PPG, 2.07 YIELD, VERSACEM. 50% EXCESS ON BOTH.  
( MIXING TUB BROKE DOWN WE HAD NO MIX ENERGY AND COULD NOT MIX CEMENT )

DISPLACED CEMENT W/ 205.4 BBLS FRESH WATER @ 6 BPM. SLOWED RATE DOWN TO 3 BPM FOR THE LAST 50 BBLS. AND SLOWED RATE TO 2 BPM FOR THE LAST 10 BBLS OF DISPLACEMENT AND OBSERVED A LIFT PRESSURE OF 800 PSI. BUMPED PLUG TO 1,380 PSI. HELD PRESSURE FOR 5 MIN. RELEASE PRESSURE FLOATS HELD. HAD 1 BBL. OF FLOW BACK.

HAD NO RETURNS DURING CEMENT JOB UNTIL 300 BBLS. INTO THE LEAD AND NO RETURNS DURING DISPLACEMENT. NO CEMENT TO SURFACE.  
TESTED CSG TO 1500 PSI F/ 30 MIN.  
TEST PASSED

FLUSHED PARASITE LINE W/ 10 BBLS SUGAR WATER. ( AT 6 BBLS OBSERVED 408 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 68 SKS ( 35 BBLS ) 5 BBLS TO SURFACE.

CEMENT WAS 288' DOWN.

CEMENT FELL 43' AFTER 3 HRS.

TERRY ROSSER-DSM  
OXY USA  
H&P 353  
DIRECT: 970-986-4409