

**Andrews, David**



**From:** GJRig02@oxy.com  
**Sent:** Wednesday, May 09, 2012 8:33 AM  
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Simon\_Benavides@oxy.com  
**Subject:** OXY/H&P353/CC-697-05-61/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 @ 2,706'. 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 RETURNS 379 BBLS INTO LEAD CEMENT AND HAD PARTIAL RETURNS DURING JOB. AT 2 BBLS INTO TAIL CEMENT HAD SPACER RETURNS AND AT 13BBLS INTO TAIL GOT CEMENT TO SURFACE . THEN AT 17BBLS INTO TAIL LOST RETURNS AND NEVER GOT THEM BACK. TOTAL CMT TO SURFACE WAS 4 BBLS.

DISPLACED CEMENT W/ 204.5 BBLS FRESH WATER @ 6 BPM. SLOWED RATE TO 2 BPM FOR THE LAST 10 BBLS OF DISPLACEMENT AND OBSERVED A LIFT PRESSURE OF 451 PSI. DID NOT BUMP PLUB AFTER OVER DISPLACING 5 BBLS.  
BLED PRESSURE BACK AND GOT 1.1 BBLS BACK. DID NOT TEST CASING.

FLUSHED PARASITE LINE W/ 10 BBLS SUGAR WATER. ( AT 6 BBLS OBSERVED 371 PSI @ 2 BPM PARASITE FLUSHED)

CEMENT 10' FROM SURFACE AFTER 2 HRS.

TOP OUT: 22 BBLS. ( 60 SKS. ) 05/08/2012

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