



**Andrews, David**

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**From:** GJRig01@oxy.com  
**Sent:** Sunday, April 08, 2012 2:19 AM  
**To:** Andrews, David  
**Subject:** OXY / H&P 330 / 697-04D PAD / CC-697-04-76A / CEMENT SUMMARY

API #: 0504520723000  
SURFACE SETTING DEPTH: 2770'

08:15 HOURS - 11:55 HOURS (04/07/2012)  
PERFORMED CEMENT JOB AS FOLLOWS:

TESTED LINES TO 3000 PSI. GOOD TEST  
CEMENTED 9.625" 36LLB/FT J-55 LTC CASING AS FOLLOWS:  
PUMPED 10 BBLS FRESH WATER; 20 BBLS OF GEL SPACER; 10 BBLS OF FRESH WATER.  
CEMENTED 9.625" SURFACE CASING WITH:  
1190 SACKS OF LEAD - 455.7 BBLS OF 12.3 PPG - 2.15 CU. FT/SK VERSACEM LEAD AT 6 BPM  
170 SACKS OF TAIL - 62.7 BBLS OF 12.8 PPG - 2.07 CU. FT/SK VERSACEM TAIL AT 6 BPM.  
50% EXCESS ON LEAD AND TAIL.  
GOT MUD RETURNS AT 250 BBLS INTO LEAD. LOST RETURNS AT 378 BBLS INTO LEAD. DID NOT RE-GAIN  
RETURNS THROUGHOUT REMAINDER OF CEMENT JOB.  
DROPPED PLUG AND DISPLACED WITH 210.5 BBLS FRESH WATER AT 6 BPM. OBSERVED 835 PSI LIFT  
PRESSURE AT 6 BPM.  
SLOWED RATE TO 2 BPM AT 200 BBLS INTO DISPLACEMENT AND OBSERVED 600 PSI LIFT PRESSURE.  
BUMPED PLUG AT 210.5 BBLS WITH 1090 PSI. PLUG DOWN AT 10:50 HOURS (04/07/2012). HELD FOR FIVE  
MINUTES. BLED PRESSURE TO ZERO AND CHECKED FLOATS. FLOATS HELD.  
HAD NO RETURNS WHILE PUMPING DISPLACEMENT.  
TESTED CASING TO 1500 PSI HELD FOR 30 MINUTES. TEST PASSED.  
FLUSHED PARASITE LINE WITH 10 BBLS SUGAR WATER

13:00 HOURS - 13:40 HOURS (04/07/2012)  
TOPPED OUT WITH 145 SACKS - 45 BBLS OF 12.5 PPG TOP OUT BLEND CEMENT. 4 BBLS CEMENT RETURNED  
TO SURFACE. NO FALL BACK Thanks & Regards

Victor Benavides/Darryle Clark  
Oxy Drill Site Manager  
H&P 330  
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