



**Andrews, David**

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**From:** GJRig01@oxy.com  
**Sent:** Tuesday, March 06, 2012 12:21 PM  
**To:** Andrews, David  
**Subject:** OXY / H&P 330 / 697-04D PAD / CC-697-05-63A / CEMENT SUMMARY

**Follow Up Flag:** Follow up  
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API #: 050452072500  
SURFACE SETTING DEPTH: 2793'

18:00 HOURS (3-5-2012) - 21:15 HOURS (3-5-2011) 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:  
1200 SACKS OF LEAD - 459.5 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.  
HAD NO RETURNS THROUGHOUT ENTIRE CEMENT JOB DROPPED PLUG AND DISPLACED WITH 210 BBLS  
FRESH WATER AT 6 BPM.  
OBSERVED 475 PSI LIFT PRESSURE AT 6 BPM  
SLOWED RATE TO 2 BPM AT 190 BBLS INTO DISPLACEMENT AND OBSERVED 290 PSI LIFT PRESSURE.  
BUMPED PLUG WITH 800 PSI. PLUG DOWN AT 20:22 HOURS (03/05/2012). HELD FOR FIVE MINUTES.  
BLED PRESSURE TO ZERO AND CHECKED FLOATS. FLOATS HELD.  
HAD NO RETURNS WHILE PUMPING ENTIRE DISPLACEMENT TESTED CASING TO 1500 PSI HELD FOR 30  
MINUTES. TEST PASSED.  
FLUSHED PARASITE LINE WITH 10 BBLS SUGAR WATER - HAD RETURNS AFTER 6 BBLS.

ESTIMATED TOC: 530'

22:38 - 23:03 (03/05/2012)  
PERFORMED TOP OUT #1 WITH 128 SACKS - 45 BBLS OF 12.5 PPG TOP OUT BLEND CEMENT. NO CEMENT  
RETURNED TO SURFACE

01:09 -01:33 (03/06/2012)  
PERFORMED TOP OUT #2 WITH 146 SACKS - 51.2 BBLS OF 12.5 PPG TOP OUT BLEND CEMENT. NO CEMENT  
RETURNED TO SURFACE

03:45 -04:15 (03/06/2012)  
PERFORMED TOP OUT #3 WITH 146 SACKS - 51.2 BBLS OF 12.5 PPG TOP OUT BLEND CEMENT. NO CEMENT  
RETURNED TO SURFACE

08:15 -09:00 (03/06/2012)  
PERFORMED TOP OUT #4 WITH 149.6 SACKS - 52.6 BBLS OF 12.5 PPG TOP OUT BLEND CEMENT. OBSERVED 2  
BBLS CEMENT RETURNED TO SURFACE.

Thanks & Regards

Victor Benavides/Darryle Clark  
DSM  
H&P 330  
970-812-0018