

Andrews, David



**From:** GJRig01@oxy.com  
**Sent:** Tuesday, March 27, 2012 5:13 AM  
**To:** Andrews, David  
**Subject:** OXY / H&P 330 / 697-04D PAD / CC-697-04-57A / CEMENT SUMMARY

API #: 050452071600  
SURFACE CASING SETTING DEPTH: 2811'

HALLIBURTON CEMENTED 9 5/8"; 36 LB/FT; J-55 SURFACE CASING 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 PARTIAL RETURNS AT 270 BBLS INTO LEAD AND MAINTAINED A PARTIAL RETURN UNTIL 50 BBLS INTO  
TAIL (12 BBLS FROM END).  
DROPPED PLUG AND DISPLACED WITH 211.3 BBLS FRESH WATER AT 8 BPM. OBSERVED 860 PSI LIFT  
PRESSURE AT 8 BPM.  
SLOWED RATE TO 2 BPM AT 201 BBLS INTO DISPLACEMENT AND OBSERVED 650 PSI LIFT PRESSURE.  
BUMPED PLUG WITH 1190 PSI. PLUG DOWN AT 15:37 HOURS (03/26/2012). 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 AT 100'

17:35 HOURS - 17:55 HOURS (3/26/2012)  
PERFORMED TOP OUT WITH 92 SACKS - 32 BBLS OF 12.5 PPG TOP OUT BLEND CEMENT.  
9 BBLS CEMENT RETURNED TO SURFACE.

Thanks & Regards

Victor Benavides/Darryle Clark  
Oxy Drill Site Manager  
H&P 330  
1-970-812-0018