



**Andrews, David**

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**From:** GJRig02@oxy.com  
**Sent:** Saturday, November 05, 2011 8:55 AM  
**To:** Andrews, David  
**Cc:** Simon\_Benevides@oxy.com  
**Subject:** OXY/H&P 353/CC-697-05-47A/CC-697-05C PAD 9.625" SURFACE CEMENTING SUMMARY

David,

Here is the surface cementing summary for the CC-697-05-47A.  
9.625" casing set @ 2705'.

TESTED LINES TO 3000 PSI. GOOD TEST.  
CEMENTED 9.625", 36#, J-55, LTC CASING SET @ 2,705'.  
PUMPED 20 BBLS FRESH WATER; 20 BBLS GEL SPACER; & 20 BBLS FRESH WATER.

CEMENTED W/ 1060 SKS LEAD - 439.9 BBL, 12.3 PPG, 2.33 YIELD VERSACEM LEAD @ 6 BPM.  
&  
150 SKS TAIL - 55.3 BBL, 12.8 PPG, 2.07 YIELD, VERSACEM TAIL.  
50% EXCESS ON BOTH.

DISPLACING CEMENT W/ 202.1 BBLS FRESH WATER @ 6 BPM.  
OBSERVED 1,240 PSI LIFT PRESSURE @ 6 BPM.  
SLOWED RATE TO 2 BPM FOR THE LAST 10 BBLS OF DISPLACEMENT AND OBSERVED A LIFT PRESSURE OF 680 PSI. PLUG WAS BUMPED W/ 1,180 PSI AND PRESSURE WAS HELD FOR 5 MIN BEFORE IT WAS BLED OFF. FLOATS HELD.

REGAINED RETURNS 390 BBLS INTO LEAD. MAINTAINED GOOD RETURNS BETWEEN THERE AND 132 BBLS. INTO DISPLACEMENT. LOST RETURNS NO CEMENT TO SURFACE.

TEST CASING TO 1500 PSI FOR 30 MIN. TEST GOOD.

FLUSHED PARASITE LINE W/ 10 BBLS SUGAR WATER. LOADED 6.2 BBL, PRESSURED TO 780 PSI, EST CIRC TO SURFACE.

TOP OUT WITH 6.5 BBLS OF 12.5 PPG OF TOP OUT CEMENT.  
WAITED 1.5 HRS CEMENT FELL 18" FROM WELL HEAD.

Thanks,  
Jeremy Kneese

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