



Andrews, David

From: GJRig01@oxy.com
Sent: Tuesday, April 03, 2012 10:56 AM
To: Andrews, David
Subject: OXY / H&P 330 / 697-04D PAD / CC-697-04-59A / CEMENT SUMMARY

API #: 0504520709000
SURFACE SETTING DEPTH: 2771'

06:00 HOURS - 09:45 HOURS (04/02/2012)
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.
HAD NO RETURNS WHILE PUMPING CEMENT.
DROPPED PLUG AND DISPLACED WITH 208.2 BBLS FRESH WATER AT 6 BPM. OBSERVED 370 PSI LIFT PRESSURE AT 6 BPM.
SLOWED RATE TO 2 BPM AT 198 BBLS INTO DISPLACEMENT AND OBSERVED 210 PSI LIFT PRESSURE.
BUMPED PLUG AT 208.2 BBLS WITH 745 PSI. PLUG DOWN AT 08:34 HOURS (04/02/2012). 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

10:40 HOURS - 11:00 HOURS (04/02/2012)
PERFORMED TOP OUT #1 WITH 80 SACKS - 28 BBLS OF 12.5 PPG TOP OUT BLEND CEMENT. NO CEMENT RETURNS TO SURFACE

13:05 HOURS - 13:30 HOURS (04/02/2012)
PERFORMED TOP OUT #2 WITH 144 SACKS - 50.5 BBLS OF 12.5 PPG TOP OUT BLEND CEMENT. NO CEMENT RETURNS TO SURFACE.

15:30 HOURS - 16:00 HOURS (04/02/2012)
PERFORMED TOP OUT #3 WITH 200 SACKS - 70.2 BBLS OF 12.5 PPG TOP OUT BLEND CEMENT. NO CEMENT RETURNS TO SURFACE.

18:00 HOURS - 18:30 HOURS (04/02/2012)
PERFORMED TOP OUT #4 WITH 196 SACKS - 68.8 BBLS OF 12.5 PPG TOP OUT BLEND CEMENT. NO CEMENT RETURNS TO SURFACE.

21:05 HOURS - 21:30 HOURS (04/02/2012)
PERFORMED TOP OUT #5 WITH 170 SACKS - 59.6 BBLS OF 12.5 PPG TOP OUT BLEND CEMENT. NO CEMENT RETURNS TO SURFACE.

23:15 HOURS - 23:45 HOURS (04/02/2012)
PERFORMED TOP OUT #6 WITH 170 SACKS - 59.6 BBLS OF 12.5 PPG TOP OUT BLEND CEMENT. SAW RETURNS TO SURFACE AT 53 BBLS GONE. HESITATED ADDITIONAL 6.6 BBLS INTO ANNULUS. ESTIMATED 0.25 BBLS RETURNED TO SURFACE.

Thanks & Regards

Victor Benavides/Darryle Clark
Oxy Drill Site Manager