



Andrews, David

From: GJRig01@oxy.com
Sent: Friday, March 30, 2012 3:45 PM
To: Andrews, David
Subject: OXY / H&P 330 / 697-04D PAD / CC-697-04-68 / CEMENT SUMMARY

API #: 050452071300
SURFACE SETTING DEPTH: 2689'

11:00 HOURS - 14:00 HOURS (03/29/2012)
PERFORMED CEMENT JOB AS FOLLOWS:

TESTED LINES TO 3500 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:
1150 SACKS OF LEAD - 440.4 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.
NO RETURNS WHILE PUMPING CEMENT. DROPPED PLUG AND DISPLACED WITH 202 BBLS FRESH WATER AT 6
BPM. OBSERVED 380 PSI LIFT PRESSURE AT 6 BPM.
SLOWED RATE TO 2 BPM AT 192 BBLS INTO DISPLACEMENT AND OBSERVED 225 PSI LIFT PRESSURE.
CALCULATED 202 BBLS TO BUMP. AFTER PUMPING 202 BBLS - PLUG DID NOT BUMP. SHOE TRACK VOLUME
CALCULATED TO 3.6 BBLS. PUMPED 1.5 BBLS OVER CALCULATED VOLUME. PLUG BUMPED AT 203.5 BBLS.
BUMPED PLUG WITH 960 PSI. PLUG DOWN AT 13:05 HOURS (03/29/2012). 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

ESTIMATED TOC AT 570'

15:00 HOURS - 15:25 HOURS (03/29/2012)
PERFORMED TOP OUT #1 WITH 228 SACKS - 80 BBLS OF 12.5 PPG TOP OUT BLEND CEMENT. NO CEMENT
RETURNS TO SURFACE

17:35 HOURS - 17:55 HOURS (03/29/2012)
PERFORMED TOP OUT #2 WITH 145 SACKS - 51 BBLS OF 12.5 PPG TOP OUT BLEND CEMENT. NO CEMENT
RETURNS TO SURFACE

20:00 HOURS - 20:20 HOURS (03/29/2012)
PERFORMED TOPOUT #3 WITH 163 SACKS - 55 BBLS OF 12.5 PPG TOP OUT BLEND CEMENT. NO CEMENT
RETURNS TO SURFACE

22:45 HOURS TO 22:55 HOURS (03/29/2012)
PERFORMED TOPOUT #4 WITH 36 SACKS - 12.5 BBLS OF 12.5 PPG TOP OUT BLEND CEMENT. 1 BBL
RETURNED TO SURFACE Thanks & Regards

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