



Andrews, David

From: GJRig02@oxy.com
Sent: Friday, March 02, 2012 12:21 PM
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Subject: OXY/H&P353/CC-697-08-19/CC-697-08A PAD 9 5/8" CEMENT SUMMARY

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9 5/8" SURFACE CASING DEPTH AT 2692'.
API # 05-045-20975-00

OFFLINE CEMENTING: TESTED LINES TO 3500 PSI. GOOD TEST.

CEMENTED 9.625", 36#, J-55, LTC CASING SET @ 2692'. PUMPED 10 BBLS FRESH WATER; 20 BBLS GEL SPACER; & 10 BBLS FRESH WATER.

CEMENTED W/ 1060 SKS LEAD 439.9 BBL, 12.3 PPG, 2.33 YIELD VERSACEM @ 6 BPM. & 160 SKS TAIL 59 BBL, 12.8 PPG, 2.07 YIELD, VERSACEM. 50% EXCESS ON BOTH.

DISPLACE CEMENT W/ 202.6 BBLS FRESH WATER @ 6 BPM. SLOWED RATE TO 2 BPM FOR THE LAST 10 BBLS OF DISPLACEMENT AND OBSERVED A LIFT PRESSURE OF 475 PSI. BUMPED PLUG TO 975 PSI. HELD PRESSURE OR 5 MIN. RELEASE PRESSURE FLOATS HELD.

PRESSURE TESTED CSG TO 1500 PSI F/ 30 MIN.
TEST PASSED.

FLUSHED PARASITE LINE W/ 10 BBLS SUGAR WATER. (AT 5.7 BBLS OBSERVED 170 PSI @ 2 BPM PARASITE FLUSHED).

NO RETURNS DURING CEMENTING JOB.

TOPPED OUT WITH A TOTAL OF 102 SACKS (36.8 BBLS) HALCEM MIXED @ 12.5 PPG, 1.97 CU FT/SX & 10.96 GAL WATER PER SACK. ANNULUS FILLED AFTER PUMPING 30 BBL. HESITATED 5 MIN. FILLED WITH 2 MORE BBL. HESITATED 10 MIN. FILLED WITH 4 BBL. R/D HALLIBURTON.
CEMENT FELL 10' AFTER 1 HR. FELL 25' AFTER 4 HRS.

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