



Andrews, David

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Sent: Saturday, January 14, 2012 11:42 PM
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Subject: OXY/H&P353/CC-697-05-53B/CC-697-05C PAD 9 5/8" SURFACE CEMENT SUMMARY
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9 5/8" SURFACE CASING SET AT 2,698'
API # - 05-045-20381-00

OFFLINE CEMENTING:
TESTED LINES TO 5000 PSI. GOOD TEST.
CEMENTED 9.625", 36#, J-55, LTC CASING SET @ 2698'.
PUMPED 20 BBLS FRESH WATER; 20 BBLS GEL SPACER; & 20 BBLS FRESH WATER.

CEMENTED W/ 1060 SKS LEAD - 440 BBL, 12.3 PPG, 2.33 YIELD VERSACEM LEAD @ 6 BPM.
&
160 SKS TAIL - 59 BBL, 12.8 PPG, 2.07 YIELD, VERSACEM TAIL.
50% EXCESS ON BOTH.

OBSERVED MUD RETURNS AT SURFACE AT 200 BBLS OF LEAD SLURRY PUMPED. TOTAL MUD BACK 320 BBLS. OBSERVED CEMENT TO SURFACE AFTER PUMPING 110 BBLS DISPLACEMENT. CIRCULATED 92 BBLS OF CEMENT TO SURFACE. CEMENT FELL BACK 80' AFTER 1 HR.

DISPLACED CEMENT W/ 201 BBLS FRESH WATER @ 6 BPM. OBSERVED 1009 PSI LIFT PRESSURE @ 6 BPM. SLOWED RATE TO 2 BPM FOR THE LAST 10 BBLS OF DISPLACEMENT AND OBSERVED A LIFT PRESSURE OF 710 PSI. BUMPED PLUG TO 1210 PSI. FOR 5 MIN. RELEASE PRESSURE FLOATS HELD.

PRESSURE TESTED CSG TO 1500 PSI F/ 30 MIN.

FLUSHED PARASITE LINE W/ 10 BBLS SUGAR WATER. (425 PSI @ 2 BPM)

TOPPED OUT WITH A TOTAL OF 18.5 BBLS HALCEM MIXED @ 12.5 PPG, 1.97 CU FT/SX & 10.96 GAL WATER PER SACK.

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