



STATE OF COLORADO

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API No. 103-11972



RGU 433-23-198 Post Surface Csg & Cement Details

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Mon, Dec 29, 2014 at 5:18 AM

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Please call or email with any questions or concerns.

Thanks,

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12K

RIG UP & RUN 10 JNTS 40# PARAGON J-55 CASING & 80 JNTS 36.0#, J-55 CASING, 90 JNTS TOTAL, 1 CAMERON WELL HEAD, 1 WEATHERFORD DV TOOL @ 1,749 RUN WEATHERFORD GUIDE SHOE SET @ 3,994" & FLOAT COLLAR SET @ 3,949.93, RUN 10 CENTRALIZERS FIRST 3 JNTS & EVERY 3RD JNT AFTER BOTTOM SET @ 3,993', TOP SET @ 2,982', & 3 CEMENT BASKETS @ 1,837.50', 1,793.47' & 1,746.29'

RIG UP HALLIBURTON HELD PJSM, TEST LINES TO 4,000 PSI. CEMENT 1ST STAGE W/ 50 BBLS H2O SPACER AND 231.7 BBLS VARICEM LEAD 735 SKS 12.8# , 1.77 YLD, 9.31 GAL/SK , 90.20 BBLS VARICEM TAIL 240 SKS 12.8#, 2.11 YLD, 11.77 GAL/SK , DROPPED WIPER PLUG, DISPLACE W/ 305.3 BBLS H2O & BUMPED PLUG @ 15:19 P.M. BUMP PLUG W/ 1,155 PSI, HAD 680 PSI PRIOR TO BUMPING PLUG. HELD 3 MIN RELEASED PSI PLUG HELD, LOST 45 BBLS DURING DISPLACEMENT, 15 BBLS CEMENT BACK TO SURFACE.

OPEN DV TOOL WITH 590 PSI @ 15:43 P.M. CEMENT 2ST STAGE W/ 40 BBLS H2O SPACER AND 339.7 BBLS VARICEM TAIL 875 SKS 12.8# , 2.18 YLD, 12.11 GAL/SK , DROPPED WIPER PLUG (CLOSING PLUG), DISPLACE W/ 135.2 BBLS H2O & BUMPED PLUG @ 16:54 . BUMP PLUG W/ 1750 PSI, HAD 500 PSI PRIOR TO BUMPING PLUG. HELD 3 MIN RELEASED PSI FLOATS HELD, HAD FULL RETURNS THROUGH OUT JOB, 115 BBLS CEMENT TO SURFACE.

WHILE WOC, CEMENT FELL 30', PUMPED 7.5' BBLS 35' SKS, 15.60 PPG, 1.21 YLD, 5.4 GAL/ SK. FULL RETURNS 1' BBLS CEMENT TO SURFACE.