

- 10-02 Unset AD-1 pkr. SD due to lightening storm. POOH w/prod tbg & pkr. PU RBP & tally in w/WS. Set RBP @ 3195'. Dump 2 sx sand plug. POOH w/tbg. SDON.
- 10-03 Open BOP. Continue to POOH w/tbg. PU tension pkr. RIH to 3185', set pkr. RU kill truck, test RBP to 500 psi. Plug tests good. POOH testing csg, tests good to 390' FS. Find small holes from 390' - 89', above 69' holes are much larger. POOH w/pkr. SIW & SDON.
- 10-04 Open BOP, strip off BOP, strip off tbg head. Wait on wireline & csg. RU Wedge. RIH to 470', make chemical cut, POOH & RD Wedge. PU 5-1/2" spear, RIH & attempt to pull csg, pull 80,000#, warm up WH, still cannot move csg. LD spear, RU WH & BOP. SION.
- 10-05 Open BOP, strip off BOP. RU Swage & RU BJ. Pump 100 sx class 'C' w/2% CaCl₂, pump first 50 sx 1 BPM & start to build pressure from 100 - 375 psi. Slow rate to 1/2 BPM @ 400 psi for remaining 50 sx. Wait 10 min & pump 1/2 BW behind. Surface csg was closed once good cmt was circ'd. Approx 2 sx circ'd. SION w/400 psi on csg.
- 10-06 Open csg valve, no pressure, ND squeeze head. NU BOP. PU power. Swivel & 4-3/4" mill tooth bit & DC's. Tag up @ 20' drill stringers to 35'. Hit good hard cmt. Drill to 195'. PU, circ clean, shut BOP, SION.
- 10-07 Open BOP, break circ. Drill cmt to 380', wash to 521'. NU swivel. Pressure up csg to 500 psi. Hold 30 min. Well holds pressure. POOH w/workstring, stand back collars. PU retrieving head. Start in hole w/same. SION.
- 10-08 Continue to TIH w/tbg wash sand off RBP. Latch on to plug, open bypass. Equalize unset plug. At this time I was informed that it took 14 bbls to load hole. Attempt to reset RBP, plug won't reset. Move up hole to set plug & test. Plug will not set. POOH w/plug. Wait on new plug to retest. RIH w/new plug to 1500', set & test csg, csg will not hold pressure. RIH w/pkr isolate hole between 310' & 380' pump rate of 1/2 BPM & 300 psi. Dump sand on plug (2 sx). POOH w/pkr. LD pkr, RIH to 400' open ended. RU BJ Services. Pump 50 sx 'C' w/2% CaCl₂, 1 BPM, 100 psi. Spot across hole, POOH w/tbg, SI & sqz displace w/6 BW (300'). Shut well in w/250 psi.
- 10-09 Open BOP, csg on vac. Attempt to load and test, slight leak. Cannot establish rate. PU 4-3/4" bit with 3-1/8" collars, tag up @ 251'. Drill green cmt to 300'. Drill fair cmt to 400'. Wait on BJ Services to pump cmt. Spot 50 sx "C" w/2% CaCl₂ across bad spot, (to 400'). POOH w/tbg, RU on BS, displace cmt w/8 bbl water @ 1/2 BPM @ 500 psi. RIH w/tbg and spot 50 sx more across bad spot, displace w/4 bbl water, wait 10 min. Hesitate squeeze w/1/2 bbl per 15 min. Pressure indicates possible channel on last hesitation, SION w/510 psi on csg.
- 10-10 Check pressure on csg, no pressure. Open BOP, PU 4-3/4" bit and collars, TIH to 272', tag cmt. Drill green cmt to 462'. Drill good cmt to 590'. Wash to 735' checking for stringers. POOH w/tbg and DC's. PU AD-1 pkr. TIH to 735'. Attempt to set pkr, will not set. TIH to 832', set pkr, test down. Casing tests good. Tests bad ABV. POOH w/tbg and pkr. SION.
- 10-11 Open BOP. RIH w/DC's. LD same, ND BOP, NU BJ Services. Bull head 100 sx Thix-set cmt. Pump cmt @ 1/2 BPM @ 500 psi avg. SI for 5 mins. Repressure to 600 psi. Pump 1/2 bbl, pressure locks up. Bleed pressure off, wait 30 mins. Repressure to 600 psi. RD BJ. Leave well w/pressure on.
- 10-12 Check for pressure, 0 psi. ND flange. NU BOP, PU 4-3/4" bit & collar, RIH to 10', hit cmt stringers there. Drill stringers from 10' - 179'. Hit good, very hard cmt. Drill to 303'. PU & circ clean. SWION.
- 10-13 Open BOP, continue to drill out cmt, fall out of cmt @ 385', pressure test csg to 500 psi. Loses 30 psi in 30 min. POOH w/work string & collars. PU retrieving head. TIH to RBP, wash sand off plug. Catch, release plug & POOH w/same. LD plug, RIH to 3440' w/bit & collars. SWION.
- 10-14 Correction tag @ 3404'. Open BOP, break circ, start drlg. Returns are cmt & metal drlg is very very slow. Hit bad csg @ 3480'. Cannot get through, do not get returns. POOH w/tbg & collars, teeth are off bit. PU new bit, TIH w/collars & new bit to 3400'. SWION.
- 10-15 Open BOP, TIH to 3480. Drill very slow, finally get through bad spot. Wash to 3590'. Hit another bad spot. Drill metal & cmt for 1-1/2 hrs. No progress. POOH LD tbg & DC's as per orders. PU 5-1/2" AD-1 pkr. TIH w/same SWION. Drilled to 3590' (PBSD 3640').
- 10-16 Open BOP, continue to TIH w/106 jts of 2-3/8" J-55 4.7# tbg. Land tbg, ND BOP, NU WH. RU XL Transportation. Circ pkr fluid. ND WH, set 2-3/8" x 5-1/2" AD-1 pkr @ 3270' (18k tension). NU WH, pressure csg to 500 psi (see chart). ND XL, clean up location. RDSU. Leave well on injection @ 300 BPD, 500 psi.

FINAL REPORT