

- 6-5 RU Dresser Atlas. Perforate 4 SPF @ 2750' w/Jumbo Jet charges in 4" csg gun. GIH w/45 strands tbg open ended to 2760'. Spot 250 gals 15% NE Acid across perfs. Break perfs down @ 2000 psi. Pump acid away @ 1/2 BPM @ 1000 psi. POH w/tbg 10#/gal Brine Hole loaded w/10# Brine.
- 6-6 Set retainer @ 2699'. POH w/2-3/8" tbg. Sting into retainer. Pump into perf @ 2750 @ 3-1/2 BPM @ 1800# w/10# Brine acid w/250 gals 15% NE Acid followed by 40 bbls 10# brine @ 2-1/2 BPM @ 1700#. Mix & pump 50 sks Class C w/6# salt/sk + .6% Halad-22 + 2% CC @ 2-1/2 BPM @ 900#. Displace w/10 bbls fresh water @ 1-1/2 BPM @ 900# to standing squeeze of 1500#. PO retainer reverse circ hole clean. POH w/tbg. Gal blow between 8-5/8 & 5-1/2 csg was not affected by squeeze.
- 6-7 SI
- 6-8 RU Dresser Atlas & perf @ 1700 w/4 SPF using 4" csg gun w/jumbo jet charges. Set Howco cmt retainer @ 1656' on wire line. GIH w/2-3/8" tbg. test csg 1000# (OK) Sting into retainer break circ down tbg & up 8-5/8 -- 5-1/2" csg ANN w/10# brine. Mix & pump 300 sx. of Class "C" w/6# salt/sx & .6% Halad-22 cmt w/5 BPM @ 500#. Displace with 4 BPM @ 500# w/good returns up 8-5/8 -- 5-1/2" ANN. Did not circ cement to surface. PO retainer & reverse circ hole clean. POH w/ 2 3/8" tbg. Pressure 5 1/2 csg to 500#.
- 6-9 Finished WOC 24 hrs. Open 8-5/8 - 5-1/2" csg Has slight continuous gas blow. Pick up & GIH w/4-3/4" bit, 8--3-1/2" DC's & 22 stds 2-3/8" tbg. Tag retainer with 1656', Circ hole clean.
- 6-10 Drilling cmt to 1700'. Circ hole clean. GIH w/tbg. Tag next retainer @ 2698'.
- 6-11 GIH w/RTTS & 2-3/8" tbg. Test csg above & below perf @ 1700' - Test to 1000# (OK). Test perf 1700' to 1000# will not hold pressure. POH w/2-3/8" tbg & RTTS. GIH w/Howco cmt retainer-set retainer @ 1662'.
- 6-12 Spot 10# Brine to end of tbg. Sting into retainer. SI tbg pressure 400#. Pump 60 Bbls 10# Brine down tbg & perf @ 1700 w/2 BPM w/2000#. Did not break circ w/8-5/8 -- 5-1/2" ANN to 600#. Unable to pump any fluid into. Bleed pressure to 200# & SI 8-5/8" -- 5-1/2" ANN. Pump 50 bbls 10# Brine mix & pump 500 sk Class "C" cmt w/3% CC mix w/10# Brine pump cmt with 2-1/2 BPM @ 1800# Hold 600# on 2-3/8 -- 5-1/2" ANN. Pressure on 8 5/8" -- 5-1/2" ANN increase to 700# while pumping cmt. Displace w/fresh water with 1/4 BPM @ 400 to standing squeeze of 1000#. Pressure on 8-5/8" -- 5-1/2" Drop to 620#. While pumping displacement P. O. retainer & reverse circ hole-clean pressure on 8 5/8"-- 5-1/2" ANN drop to 350#. Repair BOP. POH w/2-3/8" tbg. WOC Run water well temp log after 8 hrs WOC top of cement @ 1275'.
- 6-15 SI pressure on 8-5/8" -- 5-1/2" ANN - 300#. Flair to pit. SI pressure on 5-1/2" csg - 350# blow down GIH w/4-3/4" bit, 8 -- 3-1/2" DC's & 22 Stds 2-3/8" tbg. Tbg cmt retainer @ 1662'. Drlg retainer & cmt to 1687'. Cmt green (send sample to Howco lab) Circ hole clean. POH w/2-3/8" tbg, DC's & bit. Gas flow on 8-5/8" -- 5-1/2" ANN has stopped rase tbg spool & BOP Change out 8-5/8" -- 5-1/2" csg packing. Instl tbg spool & BOP GIH w/bit, DC's & 2-3/8" tbg.
- 6-16 Drlg cmt from 1687' to 1700' (cmt Green) Circ hole clean GIH w/2-3/8" tbg. Tag next retainer @ 2698'. Test perf @ 1700#. Pump into w/1/4 BPM @ 1800#. POH w/2-3/8" tbg, DC's & bit GIH w/cmt retainer & 2-3/8" tbg. Set retainer @ 1662'. RU Howco pump into perf @ 1700 to establish injection rate @ 1/4 BPM @ 1850#. Pump 3-1/2 bbls. - well locked up pressure to 2500# unable to pump into perf @ 1700'. Release pressure & flow well to pit for 3-1/2 hrs. SDON 18 hrs SI pressure on 8 5/8" -- 5-1/2" ANN 250# blow down in less than one min. No apparant flow @ surface but will build pressure when SI
- 6-17 18 Hrs SI pressure on 8-5/8" -- 5-1/2" ANN - 75# blew down. SI pressure on 2-3/8" tbg 800#. P. O. cmt retainer spot 250 gals 15% NE Acid to bottom of retainer. Sting

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