

TIH W/ bit & scrapper to liner top @ 3436'- TIH W/RBP & set @ 3400'. RU Wle & RIH dumped 5' of sand on RBP. RIH & perf CSG @ 2958' W/2 JSPF, .5" diam. RIH & set CMT RET. @ 2720'. TIH & stung into ret @ 2720'. Mixed & pumped 50 sx Cl B CMT & 200sxs of 35/65 poz & tailed in W/ 100sxs of CL B . stung out of ret with 350psi., dump 1/2 BBls CMT on RET. & TOH W/ stinger. RIH & perf CSG @ 1576' W/ 2 JSPF .48" diam. TIH W/RET. PKR & set @ 1262' press test PKR to 500psi OK. est. inj. rate 2 1/2 BPM @ 900psi. W/45 BBls- no circ on BH. RU cmt equip. mixed & pumped 50sx Cl B cmt followed by 150sx of 65/35 poz & tailed in W/100sx CL B, W/60 BBls pumped the BH started to circ to surf, W/ partial returns. lost returns W/70 BBls pumped, displaced CMT to 1470', reversed out no cmt . Rel PKR & TOH. TIH W/bit & scrapper & tagged up @ 1288' and drilled up CMT to 1585'- press. test squeeze holes @ 1576' to 500psi. Held OK. TIH & tagged cmt on CMT RET. @ 2700' Drilled CMT & CMT RET @ 2720' & drilled cmt to 2980', Circ hole clean, Press. test to 500psi. Held OK. TOH. RU WLE & ran CBL from 3300' to Surf. CMT top @ 500'. Released RBP set @ 3400' & TOH. TIH W/RET HEAD for RBP set @ 4775' RU N2 equip. and circ sand off of RBP with 70000 SCF N2. Rel. RBP & TOH, TIH W/2 3/8" TBG & landed @ 5383'. ND BOPs NU WELL Head 3/20/93.