

ATTACHMENT 1

Item #7
McDonald State A/C 1 No. 3

08/09/90 Build caliche pad. RU pulling unit. Back 2 7/8" N-80 workstring. SDFN.

08/10/90 ND obsolete wellhead. NU 7" 8rd x 8 5/8" 8rd Larkin wellhead. RIH w/7" Howco RBP & RTTS pkr on 2 7/8" N80 tbg. Set RBP @ 3599' & RTTS pkr on 2 7/8" N80 tbg. Set RBP @ 3599' & pkr @ 3568'. Load tbg w/10 bbls 2% KCl water & press test tbg to 500 psig. Lost 300 psig in 5 mins. Reset RBP @ 3585' w/pkr @ 3568'. Load csg w/2.5 BW. Press'd tbg to 500 psig & held OK. Load csg w/15 BW & press'd to 500 psig. Held OK. POOH w/tbg, pkr, & RBP. RIH w/6 1/8" bit & 4 3/4" bulldog bailer on 2 7/8" tbg. Tag @ 3816'. Bail out hole to 3819'. POOH w/tbg & bailer. SWI. SDFN.

08/11/90 RU Wedge Wireline. RIH & perf 7" csg from 3581'-88' (15 holes), 3596'-3615' (39 holes), 3624'-28' (9 holes), 3634'-46' (25 holes), & 3652'-66' (29 holes) w/2 JSPF. RD Wedge. RIH w/7" Halliburton PPI tool w/collar locator on 2 7/8" tbg. Left pkr swinging @ 3452'. SWI. SDFN.

08/12/90 SD for weekend.

08/13/90 SD for weekend.

08/14/90 Con't in hole w/Halliburton PPI pkr & collar locator. Set pkr @ 3676'. RU Smith Energy Services. Test lines to 3700 psig. Held OK. Dropped SV & tested tbg to 3000 psig. Held OK. Fished SV. Est rate into open hole 3686'-3816' of 4.8 bpm @ 1290#. Acidized open hole w/117 bbls 20% NEFE HCl acid & 3000# rock salt for divert. Pumped acid in 4 stages (stages 1-3-36 bbls each, 4th stage - 9 bbls - broke circulation on 3rd stage). Max press = 1550 psig. Avg 700# @ 5 bpm. Flushed w/2% KCl water. ISIP = Vacuum. Dropped SV for PPI pkr. Test pkr on blank pipe to 1200 psig. Held OK. Dropped FCV. Test FCV - OK. Spot acid to pkr. Isolate w/10' spacing on PPI pkr & treat perfs 3581'-3666' w/109 bbls 20% NEFE HCl acid. Max psi = 2200#. Avg 1950 psig @ 1.9 bpm. Broke circulation when pumping into perfs 3652'-59'. Well not circulating while pumping into perfs 3596'-3615' & 3581'-88'. Flushed w/2% KCl water. Pumped 120 bbls 2% KCl water down csg to flush backside. Set pkr @ 3586'. Fished FCV & SV. RD Smith. RIH w/swab. FL = 1100' FS. Made 15 swab runs in 4 1/2 hrs. Rec. 2 BO & 90 BW. Final FL = 2000' FS. SWIFN.

08/15/90 SITP = 100 psig. RU swab. Starting FL 1500' FS. Made 36 runs in 13 hrs. Rec'd 30 BO & 259 BW. FL ranging from 1800'-2000' FS. SWI. SDFN.

08/16/90 SITP = 150 psig. Blew well down. Released pkr & POOH laying down 2 7/8" N-80 workstring. Pick up & RIH w/2 7/8" M.J., SN & 7" TAC on 2 7/8" J-55 prod tbg. ND BOP. NU wellhead. RD pulling unit. Waiting on power lines & pumping unit. DROPPED FROM REPORT.