

Page Two
Drilling and Operation Summary
Dall Federal #3

11/15/95 Day 5; Depth-1665; Prog-115; Oper-WOC; Formation-Lime Stone; MW-8.4; Vis-28; pH-12; Bit #2-S/N-RR; Size-12 1/4; MFG-Sec; Type-S84F; Jets-13/14/14; In-361; Out-1550; Ftg-1189; Hrs-44; FPH-27; T/B/G/-8/8/1/16: WOB-38-40; RPM-65; BHA-150/655; Bit #3-S/N RR; Size-12 1/4; MFG-HTC; Type-J22C; Jets-13/14/14; In-1550; Out-1665; Ftg-115; Hrs-4 1/4; FPH-27; T/B/G/-2/3/In; WOB-38-45; RPM-65; BHA-150/655; Liner-5 1/2; Stroke-18; SPM-49; Press-800; GPM-302; NV-225; AV-86/65/59; Dev-3/4 @ 1665; Time Break down-1 hr- Wrk w/plug jets; 2 hrs-Trip for plug bit; 2 hrs- Trip in hole w/Bit #3; 4 1/4 hrs-Drlg TD 12 1/4 hole @ 3:15 pm (MST) 11-14-95; 1 hr- Circl & drop Totco; 2 1/4 hrs-POOH for csg; 3 1/2 hrs-Run 8 5/8" csg; 3/4 hr-Circl; 1 1/4 hr- Cement csg PD @ 12:01 am (MST) 11-15-95; 6 hrs-WOC. Cut off. ND BOP.Casing & Cement Report -Ran 38 jts 8 5/8" 24#/ft, ST/C, K-55, 8rd Csg. Total pipe - 1670.45; Set @ 1665'; Ran 5 cent on jts #1,3,4,5,& 6. Had 2 jts (91.62') & 1-15.5' cut off. Left out. Cement Report - Pmp 10 bbls FW, 400 sks 65/35 H/POZ w/6% gel & 1/4# Celloflake. Mixed @ 12.4 & 2.14 yd. Tailed w/225 sks class C w/1% CaCl₂. Mixed @ 14.8#/gal & 1.32 yd. Plug dn @ 12:01 am (MST) 11-15-95. Displaced w/103 bbls FW. Circl 125 sks to pit. WOC 18 hrs. BLM was called, but could not get answer. (Must have shut dn)
DMC \$35 TMC \$385
DWC \$22,265 CWC \$70,313

11/16/95 Day 6; Depth-2110; Prog-445; Oper-Drlg; Formation-Sd, Limestone & shale; MW-8.9; Vis-28; pH-11; Bit #4-S/N-811419; Size-7 7/8; MFG-W Mc; Type-53CHF; Jets-13/13/14; In-1665; Out-Drlg; Hrs-11; WOB-40; RPM-70; BHA-655; Liner-5 1/2; Stroke-18; SPM-50; Press-700; GPM-309; NV-241; AV-291/204; Time Break down-Finish WOC & NU BOP. Test blinds to 1000 psi (OK). 2 1/2 hrs-Trip in hole w/bit #4; 1/2 hr-Test rams-1000 psi (OK). 1 1/4 hr-WOC; 1 hr-Drlg plug & cmt; 11 hrs-Drlg new formation.
DMC \$ TMC \$385
DWC \$7,393 CWC \$77,706

11/17/95 Day 7; Depth-2651 Prog-425; Oper-Rig Repair; Formation-Sandstone (70%) & Limestone (30%); MW-8.9; Vis-29; pH-10.5; WL-12.4; Chls-50K; Bit #4-S/N-811419; Size-7 7/8; MFG-W Mc; Type-53CHF; Jets-13/13/14; In-1665; Out-Drlg; Ftg-986; Hrs-26 3/4; FPH-36.9; WOB-40; RPM-75; BHA-655; Liner-5 1/2; Stroke-18; SPM-50; Press-750; GPM-309; NV-241; AV-291/204; Dev-1 1/4 @ 2160; 2 3/4 @ 2639; Time Break down-2 hrs-Drlg; 1/2 hr-Totco @ 2160; 11 1/2 hrs-Drlg; 7 1/4 hrs-Rig repair; 2 1/4 hrs-Drlg; 1/2 hr-Totco @ 2639.
DMC \$40 TMC \$425
DWC \$8,112 CWC \$85,818

11/18/95 Day 8; Depth-3080; Prog-429; Oper-Drlg; Formation-Sd & shale; MW-8.8; Vis-30; pH-10.5; WL-19; Cake-Film; Chls-47K; Bit #4-S/N-811419; Size-7 7/8; MFG-W Mc; Type-53CHF; Jets-13/13/14; In-1665; Out-Drlg; Ftg-1415; Hrs-39 3/4; FPH-35.6; WOB-25-30; RPM-75; BHA-655; Liner-5 1/2; Stroke-18; SPM-50; Press-800; GPM-309; NV-241; AV-291/204; Dev-2 1/4 @ 2811; Time Break down-8 hrs-Rig rep. Repl main motor; 3/4 hr-Drlg; 1/2 hr-Pmp rep; 3/4 hr-Circ samples; 4 1/4 hrs-Drlg; 1/2 hr-Totco @ 2811; 1 3/4 hr-Drlg; 1/2 hr-Pump rep; 4 1/4 hrs-Drlg; 3/4 hr-Pmp rep; 2 hrs-Drlg.
DMC \$1,585 TMC \$2,010
DWC \$8,420 CWC \$94,238