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Drilling and Operation Summary
Sheep Draw Federal #28-2

03/07/96	Day 5; Depth-348'; Prog-0; Oper-Laying dn drl pipe; Formation-Hard rock; MW-8.3; Vis-28; pH-7.0; Liner-5 1/2; Stroke-18; SPM-49; Time Break Down- Reamed hole to btm. Attempted to run 13 3/8" csg. Csg stopped @ 135'. 1 hr-Repair csg tongs; 1 hr-POOH w/13 3/8" csg; 1 hr-PU 17 1/2" reamer & RIH; 6 hrs-Reaming hole from 37' to 350'; 1 1/2 hrs-Lay dn reamer & DP; 1 1/2 hrs-Rig repair; 2 hrs-RIH w/17 1/2" bit; 1 1/2 hrs-Circ hole & POOH; 3 hrs-Run 13 3/8" csg to 135'; 1 1/2 hrs-Lay dn 13 3/8" csg; 4 hrs-PU bit & reamer & ream hole. DMC \$0 TMC \$657 DWC \$4,823 CWC \$34,851
03/08/96	Day 6; Depth-350'; Prog-0; Oper-Nipple up; Time Break Down-RIH w/11 3/4" H-40; 42# csg. Landed csg @ 350'. Dowell cmt d w/500 sx & 185 sx "C" w/2% cacl & 1/4# celloflake. Made four stages w/1" to bring cmt to surface. Plug dn @ 1:45 pm 3/7/96. 1 hr- TOH; 2 hrs-Wait on csg; 3 3/4 hrs - Run 11 3/4" csg; 1 hr-RU dowell & cmt csg; 4 hrs-WOC; 1/2 hr - 1" cmt; 2 hrs - WOC; 3/4 hrs- 1" cmt; 3 hrs - WOC; 1/4 hr - 1" cmt to surface; 1 1/2 hrs - WOC; 1 hr - Cut off csg - Weld on head. Wtr meter - 291005 DMC \$50 TMC \$707 DWC \$26,680 CWC \$61,531
03-09-96	Day 7; Depth-410'; Prog.-60'; Oper-Drlg; Formation-Anhy; MW-8.4; VIS-28; pH-11;Liner-5-1/2; Stroke-18; SPM-54; Press-650; Dev-3/4" @348'; Bit #3; S/N-112238; Size-11"; Mfg.-Varel; Type-ET5537C; Jets-3-13's; In-350'; Fig-60; Hrs.-3-1/4; FHP-18.5; WOB-20; RPM-70; Time Break Down-4-1/2 hrs. Weld on casing head. Test head to 500 psi- OK; 7-1/2 hrs.- NU BOP-Test BOP to 500 psi-OK; 1-1/2hr-RU floor; 1-1/2 hr- TIH w/bit #3; 2-3/4 hrs-Drill cement; 2 hrs-Drilling Formation;3 hrs.-Rig Repair; 1-1/4 hr-Drlg. DMC-\$0 TMC-\$707. DWC-\$2,626. CWC-\$64,157.
03-10-96	Day 8; Depth-970'; Prg-560'; Oper-Drlg.; Formation-Anhy; MW-8.4; VIS-27; pH-7.0;Sand-trace; Calc-300; Liner-5-1/2; Stroke-18; SPM-44; Press-500psi; Dev. 1-1/4 @749'; Bit #3; S/N 112238, Size-11"; Mfg-Varel; Type-ET5527C; Jets-3-13's; In-350'; Fig-620;Hrs-19.5; FPH-31.8; WOB-20; RPM-70; BHA-779.33. Time Break Down- 1/2 hr.-Serv. Rig;7-1/2 hrs-Drlg.-Lost all returns @530'; 4-1/4 hrs-Drlg.-No Circulation; 1/2 hr-Survey@749'- 1-1/4"; 1 hr-Drlg-No Returns; 6-3/4 hrs-Rig Repair; 3-1/2 hrs-Drlg-No Returns. DMC-\$810. TMC-\$1517. DWC-\$11,221. CWC-\$75,378.
03-11-96	Day 9; Depth-1138'; Prg-168'; Oper-Drlg.; Formation-Anhy.; MW-8.7; VIS-28; pH-7.0;Chls-200; Calc-200; Liner-5-1/2; Stroke-18; SPM-44; Press.-500psi; Dev.-None; Bit #3;S/N-112238; Size-11"; Mfg-Varel; Type-ET5537C; Jets-3-13's; In-350'; Fig-788'; Hrs-23.5;FPH-33.5; WOB-35; RPM-75; BHA-779.33; Time Break Down-3-1/2 hrs-Drlg; 19 hrs-Work stuck pipe @1121', Reamed up to 865', Came Loose; 1 hr-Wash back to bottom; 1/2 hr-Drlg.Note: Hauled 1950 bbls of Fresh Water; Bought 3172 bbls from City of Carlsbad. DMC-\$0 TMC-\$1517. DWC-\$3,973. CWC-\$79,351.