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Drilling and Operation Summary
Ram Ewe Federal #4

08/24/95 Day 10-Depth-4194; Prog-565; Oper-Drlg; Formation-Sd & shale; MW-8.8; Vis-29; pH-10; WL-10; Chls-53000; Bit-#3; S/N-A7838; Size-7 7/8" MFG-WMc; Type-53CHF; Jets-13/13/14; In-1660; Out-Drlg; Ftg-2534; Hrs-89 1/4; FPH-28.4; WOB-40K; RPM-65; BHA-723; Liner-5 1/2; Stroke-18; SPM-47; Press-800; GPM-278; NV-217; AV-263/185; Dev-1 @ 3630; 1 1/2 @ 4130; Time Breakdown-3/4 hr-Totco & rig service; 21 hrs-Drlg; 1/2 hr-Totco; 1 3/4 hrs-Drlg .
DMC \$1,895 TMC \$5,345
DWC \$10,670 CWC \$117,661

08/25/95 Day 11-Depth-4686; Prog-492; Oper-Drlg; Formation-Sd; MW-8.8+; Vis-29; pH-10.5; WL-20; Chls-53000; Bit-#3; S/N-A7838; Size-7 7/8" MFG-WMc; Type-53CHF; Jets-13/13/14; In-1660; Out-Drlg; Ftg-3026; Hrs-112 1/4; FPH-26.9; WOB-45K; RPM-65; BHA-723; Liner-5 1/2; Stroke-18; SPM-47; Press-800; GPM-278; NV-217; AV-263/185; Dev-1 1/2 @ 4626; Time Breakdown-18 1/2 hrs-Drlg; 1/2 hr-Totco (miss run); 2 hrs-Drlg; 1/2 hr-Totco; 2 3/4 hrs-Drlg .
DMC \$2,050 TMC \$7,395
DWC \$9,668 CWC \$127,329

08/26/95 Day 12-Depth-5025; Prog-339; Oper-POOH for logs; Formation-Bone Springs lime; MW-8.8; Vis-29; pH-10; WL-20; Cake-Film; Chls-58000; Bit-#3; S/N-A7838; Size-7 7/8" MFG-WMc; Type-53CHF; Jets-13/13/14; In-1660; Out-5025; Ftg-3365; Hrs-131 1/2; FPH-25.9; WOB-45K; RPM-65; BHA-723; Liner-5 1/2; Stroke-18; SPM-47; Press-800; GPM-266; NV-207; AV-252/177; Time Breakdown-18 hrs-Drlg; 3/4 hr-Rig repair; 9 1/4 hrs-Drlg, TD-7 7/8" hole @ 2:00 am (MST) 08/26/95; 1 1/2 hrs-Circ for logs; 1/4 hr-Drop Totco; 2 1/4 hrs-POOH for logs .
DMC \$1,585 TMC \$8,980
DWC \$7,915 CWC \$135,244

08/27/95 Day 13-Depth-5025; Prog-0; Oper-Circ; Formation-Bone Springs lime; MW-8.9; Vis-29; pH-8; WL-10.2; Cake-Film; Chls-58000; Bit-#3; S/N-A7838; Size-7 7/8" MFG-WMc; Type-53CHF; Jets-13/13/14; In-1660; Out-5025; Ftg-3365; Hrs-131 1/2; FPH-25.6; T/B/G-6-4-1/8; WOB-45K; RPM-65; BHA-723; Liner-5 1/2; Dev 1 1/4 @ 5025; Time Breakdown-3 1/2 hrs-POOH for logs; 12 1/2 hrs-RU & log (log TD @ 5030'); 7 1/4 hrs-RU Csg crew & run 5 1/2" csg; 3/4 hr-Circ w/csg @ TD.
DMC \$550 TMC \$9,530
DWC \$16,320 CWC \$151,564

08/28/95 Day 14-Depth-5025; Prog-0; Oper-Rigging dn; Formation-Bone Springs lime; Time Breakdown-1/4 hr-Circ; 1 hr-Cmtg 1st stage; 6 hrs-Circ thru DV Tool; 1 1/4 hrs-Cmtg 2nd stage; 4 hrs-ND BOP & NU wellhead. Rig release @ 6:30 (MST) 8/27/95; 11 1/2 hrs-Rigging dn. Csg Report-Ran 113 jts 5 1/2", 15.5#/ft, LT/C, K-55, 8rd csg. Set @ 5025'. Ran 10 cnet & 10 turbolizers on jts #1,3,5,7,9,11,13,15,17,19,21,23,25,27,29,31,33,35,37,&112. Cmtg Report- 1st stage-Pmpd 10 bbls wtr, 10 bbls CW 100, 10 bbls wtr, 10 bbls D75, 10 bbls wtr, 353 sxs 50/50 H/Poz w/5# sk salt, 3% FLAC, 2.5#/sx Floceal & .2% Defoam, mixed @ 14.4#/g & 1.31 yield. Displ w/40 bbls FW & 79 bbls mud. Plug dn @ 7:10 am (MST) 8/27/95. Ck float (OK). Drop opening bomb. Tool opened @ 800 psi. Circ for 6 hrs. Circ 82 sxs to pit. 2nd stage-Pmpd 10 bbls wtr, 10 bbls CW100, 10 bbls wtr, 10 bbls D75, 10 bbls wtr, 180 sxs 65/35 C/Poz w/6% gel & 1/4# Floceal. Mixed @ 13.2#/g & 1.75 yield & 500 sxs 50/50 H/Poz w/5# sx salt, .3% FLAC, 2.5#/sx X-Pand, 1/4# Floceal & .2% Defoam. Mixed @ 14.4#/sx & 1.31 yield. Displ w/80 bbls FW. Plug dn @ 2:30 pm (MST) 8/27/95. Closed DV tool w/1600 psi over lift. Ck tool (OK). Circ 112 sxs to pit. ND BOP. Set slips w/45,000#. NU wellhed. Test at 2000 psi (OK). Release rig @ 6:30 pm (MST) 8-27/95.
DMC \$0 TMC \$9,530
DWC \$46,115 CWC \$197,679