

Page Four  
Drilling and Operation Summary  
Quahada Ridge 31 Fed #4

|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 06/30/95 | Day 14-Depth-5677; Prog-424; Oper-Drlg; Formation-lm & sd; MW-9.1+; Vis-29; pH-10.5; WL-28; Cake-Flm; Solids-.5%; Chls-78,500; Bit #5; S/N-1995XF; Size-7 7/8; MFG-HTC; Type-ATJ33C; Jets-13/14/14; In-2701; Out-Drlg; Ftg-2976; Hrs-120 ½; FPH-24.7; WOB-40; RPM-60; BHA-725; Liner-5 1/2' Stroke-18; SPM-52; Press-1000; GPM-308; NV-229; AV-290/204; Dev-3/4 @ 5327; Time Breakdown-4 1/4 hrs-Drlg; 1/4 hr-Service rig; 6 hrs-Drlg; ½ hr-TOTCO; 1/4 hr-Drlg; ½ hr-Rig repair; 1 1/4 hr-Drlg; 3 hrs-Rig repair; 8 hrs-Drlg..<br>DMC\$540                      TMC\$2,275<br>DWC\$8,136                      CWC\$160,195                                                                                                                |
| 07/01/95 | Day 15-Depth-6300; Prog-623; Oper-Drlg; Formation-lm & sd; MW-9.1; Vis-32; pH-10; WL-12; Chls-65,000; Bit #5; S/N-1995XF; Size-7 7/8; MFG-HTC; Type-ATJ33C; Jets-13/14/14; In-2701; Out-Drlg; Ftg-3599; Hrs-143 1/4; FPH-25.1; WOB-40; RPM-60; BHA-725; Liner-5 1/2' Stroke-18; SPM-52; Press-1000; GPM-308; NV-229; AV-290/204; Dev-1 @ 5801; Time Breakdown-1 1/4 hrs-Drlg; 1/4 hr-Service rig; 6 1/4 hrs-Drlg; ½ hr-TOTCO; 12 hrs-Drlg; ½ hr-Move flow to working pit; 3 1/4 hrs-Drlg.<br>DMC\$265                      TMC\$2,540<br>DWC\$10,639                      CWC\$170,834                                                                                                                                                    |
| 07/02/95 | Day 16-Depth-6490; Prog-190; Oper-Circ for logs& reaming; Formation-lm & shale; MW-9.1; Vis-32; PV/YP-1/2; Gal-1/1; pH-10; WL-8; Cake-film; Solids-1%; Chls-70K; Bit #5; S/N-1995XF; Size-7 7/8; MFG-HTC; Type-ATJ33C; Jets-13/14/14; In-2701; Out-6490; Ftg-3789; Hrs-156 1/4; FPH-24 1/4; WOB-40; RPM-60; BHA-725; Liner-5 1/2' Stroke-18; SPM-52; Press-1000; GPM-308; NV-229; AV-290/204; Dev-1 1/4 @ 6274; Time Breakdown-4 3/4 hrs-Drlg; 3/4 hr-TOTCO & service rig; 9 1/4 hrs-Drlg (TD 7 7/8" hole @ 8:45 MST, 7-1-95); 1 hr-Circ; 4 1/4 hrs-POOH; ½ hr-PU string reamer; 2 hrs-Trip in hole; 1 ½ hr-Reaming area from 2705 to 2865.<br>DMC\$1,770                      TMC\$4,310<br>DWC\$6,950                      CWC\$177,784 |
| 07/03/95 | Day 17-Depth-6490; Prog-0; Oper-RU to run csg (5 1/2"); Formation-lm & shale; MW-9.1; Vis-32; PV/YP-1/2; Gal-1/1; pH-10; WL-8; Cake-film; Solids-1%; Chls-70K; Bit #5; S/N-1995XF; Size-7 7/8; MFG-HTC; Type-ATJ33C; Jets-13/14/14; In-2701; Out-6490; Ftg-3789; Hrs-156 1/4; FPH-24 1/4; WOB-40; RPM-60; BHA-725; Liner-5 1/2' Stroke-18; Dev 1 1/4 @ 6490; Time Breakdown-1 hr-Reaming; ½ hr-Circ; 5 hrs-Trip; ½ hr-RU logger; 10 1/4 hrs-Logging; ½ hr-RD logger; 5 ½ hrs-WO equip; 3/4 hr-RU csg crew..<br>DMC\$1,770                      TMC\$4,310<br>DWC\$11,440                      CWC\$189,224                                                                                                                                |