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Drilling and Operation Summary  
Ram Ewe Federal #4

08/19/95 Day 5-Depth-1660; Prog-320; Oper-Running 8 5/8" Csg; Formation-Limestone; MW-8.4; Vis-28; pH-10; Chls-1200; Bit-#2; S/N-N67631; Size-12 1/4 MFG-Smith; Type-MI555; Jets-13/13/13; In-350; Out-1660; Ftg-1310; Hrs-58 1/4; FPH-22.5; T/B/G-6/2/In; WOB-30K; RPM-60; BHA-878; Liner-5 1/2; Stroke-18; SPM-46; Press-800; GPM-272; NV-224; AV-78/59/54; Dev 2 3/4 @ 1340, 3 @ 1566, 2 1/2 @ 1660; Time Breakdown-1 hr-Drlg; 1/2 hr Totco & Service rig; 1 1/2 hrs- Drlg; 1/4 hr-Rig repair; 7 3/4 hrs-Drlg; 1/4 hr-Totco; 6 hrs- Drlg (TD'ed 12 1/4 Hole @ 11'15 pm - MST 08-18-95) 1/2 hr-Circ & drop Totco; 3 1/4 hrs-POOH; 3 hrs- Running 8 5/8" csg. Csg & Cement Report: All csg is 8 5/8"; 24"/ft; K-55; St/C; 8 rd; 8 5/8" Gemco Guide Shoe (1); Length 1.2; Set @ 1660'; To-1658.8; Shoe Joint 8 5/8" Csg; (1) Length 43.10; Set @ 1658.8 To-1615.70; 8 5/8" Gemco Float Collar (1); Length 1.5; Set @ 1615.70; To-1614.20; 8 5/8" Csg (36) Length-1620.05; Set @ 1614.20; To-5.85 Ran 37 jts for total 1665.85 Set @ 1660'. Ran 5 centralizers as follows 1 on shoe jt, collar #3,4,5, & 6. Had 1-45.62 & 1 - 12.10 cut off jt. Left on location. Cement Report: Pump 15 bbls FW ahead. 400 sks 65/35 H/POZ w/6% gel & 1/4 sk floceal. Mixed @ 12.4 g & 2.14 yield 225 sks class "C" w/2% ChClz. Mixed @ 14.8g & 1.32 yield. Displaced w/103 bbls FW. Plug dn @ 8:30 am (MST) 8-20-95 Circ 112 sks cmt. Ck float (OK) WOC 18 hrs. \*BLM was called for job, but did not witness.  
DMC \$120 TMC \$620  
DWC \$22,615 CWC \$67,130

08/20/95 Day 6-Depth-1660; Prog-0; Oper-Trip In hole w/7 7/8' bit; Formation-Limestone; MW-8.8; Vis-28; pH-10; Chls-43000; Bit-#3; S/N-A7838; Size-7 7/8" MFG-WMC; Type-53CHF; Jets-13/13/14; In-1660; BHA-723; Liner-5 1/2; Stroke-18; Time Breakdown-1 hr- Running csg; 1/2 hr-Circ; 1 hr-Cementing (Plug dn 8:30 am (MST); 19 hrs-NU well head & BOP & WOC; 1/2 hr-Test well head & Blinds 1000 psi/30 min (OK) 2 hrs- TIH w/bit #3.  
DMC \$175 TMC \$795  
DWC \$7,065 CWC \$74,195

08/21/95 Day 7-Depth-2119; Prog-459; Oper-Drlg; Formation-SD; MW-8.8; Vis-28; pH-10; Chls-48000; Bit-#3; S/N-A7838; Size-7 7/8" MFG-WMC; Type-53CHF; Jets-13/13/14; In-1660; Out-Drlg; Ftg-459; Hrs-20 1/4; FPH-22.7; WOB-20-30; RPM-70; BHA-723; Liner-5 1/2; Stroke-18; SPM-47; Press-800; GPM-278; NV-217; AV-263/185; Dev-2 1/4 @ 1926; Time Breakdown-1 hr-Trip in hole; 1/2 hr-Test rams 1000 psi/30 min (OK); 1/2 hr-Trip; 1 hr-Drlg Plug & Cmt; 2 1/2 hrs- Drlg; 1/2 hr-Work on flowline; 6 3/4 hrs- Drlg; 1/4 hr-Totco; 11 hrs-Drlg.  
DMC \$0 TMC \$795  
DWC \$7,990 CWC \$82,185

08/22/95 Day 8-Depth-2905; Prog-786; Oper-Drlg; Formation-Sd stone; MW-8.7; Vis-28; pH-10.5; WL-25 Chls-48000; Bit-#3; S/N-A7838; Size-7 7/8" MFG-WMc; Type-53CHF; Jets-13/13/14; In-1660; Out-Drlg; Ftg-1245; Hrs-43 1/4; FPH-28.8; WOB-30K; RPM-65; BHA-723; Liner-5 1/2; Stroke-18; SPM-47; Press-800; GPM-278; NV-217; AV-263/185; Dev-1 3/4 @ 2191; 1 @ 2641; Time Breakdown-1 1/4 hr-Drlg; 1/2 hr-Totco & service rig; 15 3/4 hrs-Drlg; 1/2 hr-Totco; 6 hrs-Drlg.  
DMC \$280 TMC \$1,075  
DWC \$11,690 CWC \$93,875

08/23/95 Day 9-Depth-3629; Prog-724; Oper-Drlg; Formation-Sd & shale; MW-8.8; Vis-29; pH-10; 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-1969; Hrs-66 1/2; FPH-29.6; 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 @ 3131; Time Breakdown-2 1/2 hrs-Drlg; 1/2 hr-Rig repair; 4 1/2 hrs-Drlg; 1/4 hr-Totco; 16 1/4 hrs-Drlg.  
DMC \$2,375 TMC \$3,450  
DWC \$13,116 CWC \$106,991

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