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Drilling and Operation Summary
Sheep Draw Federal #28-2

03/12/96 Day 10; Depth-1258'; Prog-120; Oper-Tripping out w/bit; MW-8.4; VIS-27; pH-7; Chls-200; Calc-200; Bit #3; SN-112238; Size-11'; MFG-Varrel; Type-ET5537C; Jets-3-13; In-350; Out-1258; Ftg-908; Hrs-27; FPH-33.6; WOB-20-35; RPM-70; BHA-779.33; Liner-5 1/2; Stroke-18; SPM-44; Press-500; GPM-302; Dev-1 @ 1209; Time Break Down - 3 1/4 hrs-Drlg; 1/4 hr-Survey @ 1209'- 1°; 3 hrs-Reaming up hole; 1 1/2 hrs-Wash bit tto btm; 15 hrs-Working stuck pipe; 1 hr-Trip out to lay dn 8" collars.
DMC \$50 TMC \$1517
DWC \$2,460 CWC \$81,811

03-13-96 Day 11; Depth-1400'; Prog-142'; Oper-Drlg; Formation-No Return; MW-8.5+; VIS-34; PV/YP-3/4; Gal-2/3; pH-11.5; WL-N/C; Cake-2/32; Solids-2%; Chls-200; Calc-300; Liner-5-1/2; Stroke-18; SPM-52; Press-700; GPM-294; Bit-#3; S/N-112238; Size-11"; Mfg-Varrel; Type-ET5537C; Jets-3/13's; In-350'; Fig-1050'; Hrs-36.5; FPH-28.8; WOB-35; RPM-60; BHA-655.67; Time Break Down; 2 hrs.-Reaming out of hole (free @ 961'); 1 hr.-Lay on 8" Drill Collars; 1/2 hr.-RIH w/bit #3 & 6" Drill Collars to 341'; 4-1/2 hrs.-Waiting on pre-mix tank; 6-1/2 hrs.-RIH & Ream 225' (very small amount of fill); 9-1/2 hrs.- Drlg. w/no returns. This 24 hrs. charged as day work.
DMC-\$531. TMC-\$2048.
DWC-\$7,728. CWC-\$89,539.

03-14-96 Day 12; Depth-1579'; Prog-179'; Oper-Circ. Csg.; Formation-No Return; MW-8.4; VIS-27; Liner-5-1/2; Stroke-18"; SPM-52; Press-700; GPM-314; Bit-#3; S/N-112238; Size-11"; Mfg-Varrel; Type-ET5537C; Jets-3/13's; In-350'; Out-1579'; Fig-1229'; Hrs-46 3/4; FPH-26.3; WOB-35; RPM-60; BHA-655.67; Time Break Down; 10-1/4 hrs.Drlg.; 3/4 hrs.-Circ. to cond. hole; 3-1/2 hrs.-POOH w/bit #3; 9-1/2 hrs.-RU & RIH w/ 8-5/8" csg.
DMC-\$599. TMC-\$2647.
DWC-\$12,862. CWC-\$102,401.

03-15-96 Day 13; Depth-1579'; Prog-0'; One Inch Cmtg; Formation-No Return; Time Breakdown; 1 hr-work 8 5/8", 24# J-55 csg dn to 1497' KB. Stopped. 1 1/2 hr RU Dowell Cementers 1st stage as follows: 200 sx "C" neat @ 14# per gal, w/1.33 yield, tailed in w/225 sx class "C" 2% Calc. Displaced 35 bbl fresh water. Press up to 2400 psi, plug stopped @ 485'. 4 hrs-WOC; 1 hr RIH w/WL & tag cmt @ 485'; 1 1/2 hr RU Dowell. Drop DV tool bomb; 3/4 hr Pmp thru DV tool; 3/4 hr cmt 2nd stage as follows: pmpd 100 sx RFC 10-2 cmt pmpd 200 class "C" w/2% CaCl. Pmpd 50 sx RFC 10-2 displaced w/30 BW, bumped plug w/1500 psi, cmt did not circ to surf; 4 hr WOC; 2 1/2 hr worked 1" pipe dn backside stopped @ 78'-POOH, WOC RIH to 156'; 2 3/4 hrs- Pumpd 50 sx class "C" w/3% CaCl-POOH, WOC-RIH to 156'; 1 hr - pmpd 50 sx "C" w/3% CaCl.
DMC-\$0. TMC-\$2647.
DWC-\$24,515. CWC-\$126,916.

03/16/96 Day 14; Depth-1579'; Prog-0'; Oper- NU Wellhead; Formation-No return; Liner 5 1/2' Stroke-18; Time Break Down; 1/2 hr.-cement 8 5/8" w/50 sx "C" w/4% CaCl; 2 1/2 hrs.-POOH w/1" & WOC; 1/2 hr - RIH w/1" pmp 50 sx plug "C" w/4% CaCl. (No cement to surf); 6 1/4 hrs - POOH & WOC; 1/2 hr. RIH w/1" & cmt w/50 sx of RFC 12/3; 1 3/4 hr POOH & WOC; 1/2 hr-RIH slips. Pipe is cemented off center & slips will not go into wellhead.
DMC: \$0 TMC: \$2,647
DWC: \$38,555 CWC: \$165,471