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Drilling and Operation Summary
Pinnacle State #12

10/19/95 Day 15; Depth-6250; Prog-0; Opr-Circ thru DV Tool; Formation-Sand, Lime & Shale; MW-10.2; Vis-32; pH-8.5; WL-9; Cake-Film; Solids-1.3; Chls-195K; Time Breakdown-10 ½ hrs-Logging; 7 hrs-RU & run 5 ½" csg; ½ hr-Circ; 2 hrs-Cmtg 1st stage; 1/4 hr-Drop bomb & let fall; 3 ¾ hrs-Open tool & circ between stages.
DMC-\$0 TMC-\$4,960
DWC-\$54,365 CWC \$181,411

10/20/95 Day 16; Depth-6250; Prog-0; Opr-Rigging Dn; Formation-Sand, Lime & Shale; Time Breakdown-4 ¼ hrs-Circ between stages; 1 ¼ hrs-Cmtg 2nd stage. Plug dn @ 11:30 AM (MST) 10-19-95; 4 hrs-Set slips, Cut off & NU wellhead. Release rig @ 3:30 pm (MST) 10-19-95. Csg & Cmtg report-Ran 141 jts 5 ½" 15.5#/ft, LT/C, K-55, 8rd csg, set @ 6250. Ran 10 cent & 10 turbolizers as follows; Jt #1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21,23,25,27,29,31,33,59, 60, & 140. Had 4 jts csg (166.37') Left on location & 1-9' cut off. Cmtg 1st stage-Pmp 10 BW, 10 bbls CW100, 10 BW, 10 bbls D75, 10 BW, 50sxs 65/35 H/Poz w/6% gel, 10#/sk salt, 1/4# Celloflake & .2% Defoamer; (12.7/gel & 2.1 yd) & 600 sx 50/50 H/Poz w/5# salt, .3% Flac, 2.5#/sk X-Pand, 1/4#/sk Celloflake, & .2% Defoamer (14.4#/g & 1.31 yd).Displ w/70 BW & 78 bbls mud. Plug dn @ 2:00 am (MST) 10-19-95. Check float (OK). Drop opening bomb. Open DV tool & circ 75 sxs to pit. Turn over to rig & circ for 8 hrs. 2nd Stage Cmt- (DV tool @ 3570). Pmp 10 bbls FW, 900 sxs 65/35 H/Poz w/6% gel, 10# sx salt, 1/4# Celloflake, & .2% Defoamer (12.7#/g & 2.1 yield) & 100 sxs "C" Neat (14.8#/g & 1.32 yield). Displ w/85 bbls FW. Close tool w/1500 psi over lift. Ck tool-OK. Plug dn @ 11:30 am (MST) 10-19-95. Circ 65 sxs cmt to surf. ND BOP. Set slips w/60,000#. Finish ND wellhead (11"-3000 x 7 1/16-3000) tbg head. Test head to 2000 psi. Release rig @ 3:30 pm (MST) 10-19-95.
DMC-\$0 TMC-\$4,960
DWC-\$25,415 CWC \$206,826

10/21/95 thru
12/13/95 Waiting on completion.
DMC \$0 TMC \$5,175
DWC \$0 CWC \$239,912

12/14/95 DV @ 3570; Oper-MI & start completion; Form-Delaware; Time Break down-MIRU Rental Equipment. ND wellhead & NU BOP. Unload 202 jts 2 7/8" J-55 tbg. GIH w/4 3/4" Walker Mc Bit, 4-3 ½" DC's (127') & 2 7/8" tbg to 3560'. Tag up on DV tool. SDFN.
DMC-\$0 TMC-\$4,960
DWC-\$18,710 CWC \$225,536

12/15/95 DV @ 3570; Oper-Drl out DV & clean to float; Form-Delaware test; Time Break down-RU Rev Unit & drl out cmt plug & DV tool from 3560 to 3575. Circ hole clean & test to 700 psi for 15 min (OK). Continue in hole to 6201. Drl out to 6205 (FC). Circ hole clean w/2% KCL. RD Rev Unit & started out of hole. SI & SDFN.
DMC-\$0 TMC-\$4,960
DWC-\$4,225 CWC\$229,761

12/16/95 PBTD @ 6201; Finish POOH w/bit & collars. GIH w/bit, 5 ½" csg scraper & tbg & work thru DV tool. POOH. RU Wedge Wireline & run CCL, CBL & G/R from PBTD (6201) to 2500'. (TOC @ 190'). DV tool @ 3567-70. Run Temperature Base Log from PBTD up to 5000'.
DMC-\$0 TMC-\$4,960
DWC-\$2,800 CWC\$232,561