

Cross Timbers Operating Company
Herman #4
Attachment to Form C-103

1-8-97

Perforate Addition Blinebry & Stimulate

12/17/96 to 1/4/97: Pulled rods, pmp & tbq. Ran GR/CCL correlation log fr/7048' - 4000'. Perforated Blinebry 1 JSPF @ 6282', 6286', 6292', 6302', 6307', & 6312' (ttl 6-0.52" dia holes). Set pkr @ 6140'. Acidized new & existing perforations fr/6282' - 6437' w/1800 gals 15% NEFE HCL acid & 18 ball sealers. Frac'd new & existing perforations fr/6282' - 6437' w/ 29,000 gals 35# borate x-linked gelled water carrying 75,000# 20/40 Ottawa sand. POH w/pkr. Perforated Blinebry 1 JSPF @ 6079', 6081', 6083', 6092', 6098', & 6103' (ttl 6-0.52" dia holes). Set RBP @ 6227'. Set pkr @ 6032'. Acidized new perforations fr/6079' - 6103' w/1000 gals 15% NEFE HCL acid & 9 ball sealers. Set pkr @ 5946'. Frac'd new & existing perforations fr/5988' - 6103' w/21,000 gals 35# borate x-linked gelled water carrying 52,000# 20/40 Ottawa sand. POH w/pkr. Perforated Blinebry 1 JSPF @ 5826', 5828', 5841', 5843', 5849', 5851', 5857', 5886', 5908' & 5910' (ttl 10-0.52" dia holes). Set RBP @ 5933'. Set pkr @ 5717'. Acidized new perforations fr/5826' - 5910 w/1650 gals 15% NEFE acid & 15 ball sealers. Released RBP @ 5933'. POH w/pkr & RBP. Cleaned out sand fill & retrieved RBP @ 6227'. RIH w/2-3/8" production tbq to 6619'. RIH w/pmp & rods. Rtn'd well to ppg. Production intervals 5826' - 6312' (Blinebry) & 6429' - 6437' (Tubb). PBTD 7073'.