

Case Study



The Science of Enhanced Oil Recovery

MARCITsm Technology in Producing Wells

Results of Polyacrylamide Gel Treatments on Producing Wells in The Wind River Basin of Wyoming

Situation

A review of Maverick Springs wells revealed many of the best gel treatment candidates were in zones that had previously been abandoned due to high water production. Temporarily abandoned zones, like non-commercial shut-in wells, represent an excellent opportunity to increase field production using a process that reduces WOR.

Program

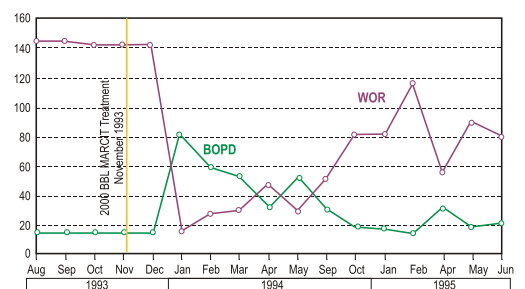
Maverick Springs was a marginal field which had been operated by Marathon and geographically isolated from other Marathon operations.

Following the initial treatment, the workover program proceeded in stages consisting of several wells each. After each state the results were reviewed and changes were made to the workovers and polymer designs.

Results

From November 1993 to December 1994 twelve workovers using MARCIT gels were performed in Maverick Springs. Field production increased from 450 BOPD at a WOR of 75 to a peak of 700 BOPD at a WOR of 50 in December 1994.

Response to MARCIT Well Treatment
Indian Tract 92 Well No. 3



Response to MARCIT Well Treatment
Indian Tract 92 Well No. 12

