

McDonald State A/C Well No. 9
Sand Fracture Stimulation

12/04/92 MIRU PU. POOH w/rods & pump. NU BOP's. POOH w/113 jts 2-7/8" tbg. Dumped 68 sx 12/20 sand down 7" csg.

12/05/92 Dumped 70 sx 12/20 sand down 7" csg. Tagged sand @ 3704' w/sinker bar. RIH w/3-1/2", 9.2# N-80 tbg & pkr. Set pkr @ 3480'.

12/06/92 Loaded annulus w/2% Kcl water to 500 psi. Tried to initiate frac, but could not. Tagged sand @ 3581'. RIH w/bailer & 3-1/2" workstring. POOH w/bailer & 3-1/2" workstring.

12/07/92 RIH w/bit, drill collars on 3-1/2" workstring. Drill out to 3575'. POOH w/bit, drill collars on 3-1/2" workstring. RIH w/bailer on 3-1/2" workstring. Cleaned out to 3750'.

12/08/92 POOH w/bailer & 3-1/2" workstring. RIH w/pkr on 3-1/2" workstring. Set pkr @ 3480'.

12/09/92 SD - waiting for frac crew.

12/10/92 Loaded annulus w/2% Kcl water to 500 psi. Frac'd 7R-QN w/24100 gal Borate 35# x-linked gel & 54000# 20/40 sand & 10500# resin coated sand.

12/11/92 POOH w/pkr & 3-1/2" workstring. RIH w/bailer on 3-1/2" workstring.

12/12/92 Cleaned out to 3637'.

12/13/92 SDFS.

12/14/92 Stopped making hole. Trouble w/bailer.

12/15/92 Cleaned out to 3781'.

12/16/92 Switched out plunger in bailer. Cleaned out to 3834'. POOH w/bailer on 3-1/2" workstring. Ran after frac survey from 3500'-3832'.

12/17/92 RIH w/2-7/8" tbg. ND BOP. NU wellhead. RIH w/pump & rods. Started well pumping to battery. RDPU & MOL.