

Rhodes GSU No. 4
Rhodes Field
Lea County, New Mexico

Acid Cleanout Procedure

1. MIRU PU. ND wellhead. NU BOP. POOH with rods. Tag bottom with tubing and POOH. If fill covers perfs, then RIH with 3 7/8" cone bit and 4 1/2" 10.5# casing scraper and clean out with foam to 3126'. If fill does not cover perfs then make a casing scraper run to PBTD. POOH.
2. RIH with treating packer on tubing. Load annulus with 2% KCl water and set packer at $\pm 2700'$.
3. MIRU Stimulation company. NU surface lines and test to 4000 psi. Acidize Yates down casing with 4000 gallons of 7 1/2% NEFe HCl acid. Space out 183 7/8" RCNBS (Sp. Gr. = 1.3) throughout job. Flush to top perf with 2% KCl water.

Treatment rate = 7 BPM
Anticipated pressure = 2300 psi
Maximum pressure = 3800 psi

Release packer and run through perfs to knock balls off. POOH.

4. RIH with production equipment. Set SN at $\pm 3076'$. Put back on pump.

Approved: _____ Date: _____
T. J. Harrington