

10. MIRU stimulating company. NU lines and test to 6000 psi. Load backside and hold 1000 psi on annulus. Break down perfs with 750 gallons of 7 1/2% NEFe HCl acid and 18 7/8" RCNBS (sg = 1.1). Space balls out evenly. If ballout occurs, surge balls and switch to flush. Flush with treated 2% KCl water.

Pump Rate = 5 bpm  
Maximum Pressure = 5000 psi

11. RDMO stimulating company. Swab well in and put on test. Notify Midland office of rates and volumes. Wait for instructions to proceed with step 12A or 12B.
- 12A. If perfed zone is wet and/or non-productive, kill well (may require 10 lb brine but try 2% KCl first), ND wellhead and NU BOP, release packer and POOH with tubing and packer. RU wireline and set CIBP at 9455'. POOH with wireline. RIH with SN and packer to ±9250' Pump 93 bbl of packer fluid (2% KCl water with 40 gallons of Tretolite KW-170 added) down tubing. Flush with 36 bbls of treated 2% KCl water. Set packer at 9250'. Swab tubing down to 2200 feet from surface. Proceed with step #13.
- 12B. If lower zone is productive: RU wireline company and NU 5000 psi lubricator. Test lubricator to 5000 psi. Pump 17 bbl of treated 2% KCl water down tubing. RIH with 1 11/16" through tubing strip guns. Perforate Strawn from 9369' to 9437' with 2 JSPF (136 shots). POOH with wireline. RDMO wireline company. Got to step #14.
13. ND BOP, NU wellhead. Set back pressure valve and test wellhead to 5000 psi. RU wireline company and NU 5000 psi lubricator. Test lubricator to 5000 psi. RIH with 1 11/16" through tubing guns. Perforate Strawn from 9369' to 9437' with 2 JSPF (136 shots). POOH with wireline. RDMO wireline company.
14. MIRU stimulating company. NU surface lines and test to 6000 psi. Hold 1000 psi on annulus. Breakdown perforations with 4000 gal of 7 1/2% NEFe HCl acid with 220 7/8" RCNBS (sg = 1.1) spaced out evenly through job. If ball out occurs after 150 balls have hit formation surge balls and switch to flush. Otherwise surge balls and continue treatment. Flush with treated 2% KCl water. RDMO stimulating company.

Rate = 5 bpm  
Maximum Pressure = 5000 psi

15. Swab well in and put on production. RDMO PU. Report rates and volumes to Midland office.