

Mattie James No. 2

Procedure to Plug Back from the South Eunice Seven Rivers Queen  
to the Jalmat Tansill Yates Seven Ribers (Pro Gas) Field as a gas well.

1. MIRU PU. ND wellhead, NU BOP. **POOH with tubing.** Lay down tubing if it is in poor condition and order out a string of 2-3/8" 4.7# J-55 yellow band tubing. Use old tubing if it appears to be in good condition. If old tubing is used, then hydrotest tubing in hole. **Make casing scraper run to  $\pm 3,750'$ . POOH. Set CIBP on tubing at  $\pm 3,740'$ .** Load hole. Close rams and pressure test casing and CIBP to 3,350 psi (70% of burst). Pickle tubing with 250 gallons 7-1/2% NEFe HCl. Reverse out acid. POOH with tubing.
2. MIRU wireline company. Run a cased hole GR-Compensated neutron log from PBTD to 2,800'. **RIH with 3-1/8" select fire casing guns and perforate 22 shots.** Perforations will be chosen based on cased hole log. RDMO wireline company.
3. MIRU stimulation company. RIH with packer on tubing to  $\pm 100'$  above top perf and set packer. **Breakdown perfs with 1,250 gallons of 7-1/2% NEFe HCl acid and 38 7/8" RCNBS (Sp.Gr. = 1.3)**

Treating Rate	= 4-5 BPM
Anticipated Pressure	= 1,800 psi
Maximum Pressure	= 3,350 psi

Release packer and run through perfs. POOH with tubing.

4. NU frac valve to 5-1/2" casing. **Fracture stimulate Yates down casing with 42,300 gallons of 50-Quality CO<sub>2</sub> foam and 167,000 lbs. of 12/20 mesh Brady sand.**

Treating Rate	= 40 BPM
Anticipated Pressure	= 2,000 psi
Maximum Pressure	= 3,350 psi

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ADD HOUSES OFF