

Rhodes GSU No. 23
Rhodes Field
Lea County, New Mexico

Project Engineer: K. L. Midkiff

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1. Prepare location for job. MIRU PU. ND wellhead, NU BOP. POOH with production tubing. Deliver $\pm 400'$ of 2 3/8" 4.7# J-55 tubing to location.
2. RIH with bit and scraper. Clean out hole with foam to $\pm 3150'$. POOH. RIH with treating packer on 2 3/8" tubing to $\pm 2750'$. Load annulus and set packer. Test backside to 3800 psi.
3. MIRU stimulation company. NU surface lines and test to 4000 psi. Acidize perfs with 2000 gallons of 7 1/2" NEFe HCl. Space out 200 7/8" RCNBS (Sp. Gr. = 1.3).

Treating Rate = 5 BPM
Anticipated Pressure = 1800 psi
Maximum Pressure = 3800 psi

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

4. ND BOP, NU frac valve to 4 1/2" casing. NU surface lines. Fracture stimulate Yates down casing with 48,000 gallons of 50-Quality CO2 foam and 145,000 lbs of 12/20 mesh Brady sand.

Treatment Rate = 30 BPM
Anticipated Pressure = 1700 psi
Maximum Pressure = 3800 psi

<u>Stage</u>	<u>Fluid</u>	<u>PPg</u>	<u>Volume (gal)</u>
Pad	50-Q Foam	0	17,000
1	50-Q Foam	1	3,000
2	50-Q Foam	2	5,000
3	50-Q Foam	4	7,000
4	50-Q Foam	6	12,000
5	50-Q Foam	8	4,000
Flush	50-Q Foam	0	$\pm 1,750$

Shut well in for 90 minutes, then flow back on 16/64" choke until well quits making fluid (1 1/2 days).

5. Kill well. ND frac valve, NU BOP. RIH with bit and clean out hole with foam. POOH. RIH with mud anchor, perforated sub, SN, and production tubing to $\pm 2830'$. Deliver $3/4"$ rod string to location. RIH with $2" \times 1.25"$ x 16' pump and $3/4"$ rods. Space out and clamp off. Production personnel will set pumpjack.

Approved: _____

T. J. Harrington

Date: _____