## Cagle B No. 1 Rhodes Field Lea County, New Mexico

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- 1. Prepare location for job. MIRU PU. ND wellhead, NU BOP. POOH with production tubing. Deliver ±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 gailons 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 = 3000 psi
Maximum Pressure = 5350 psi @30 BPM
(Friction Pressure Chart in Frac Design Sheets)

| Stage | <u>Fluid</u>      | PPg | Volume (gal) |
|-------|-------------------|-----|--------------|
| 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 Fo <b>am</b> | 6   | 12,000       |
| 5     | 50-Q Foam         | 8   | 4,000        |
| Flush | 50-Q Foam         | 0   | ±1.750       |

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