**Rhodes GSU No. 9**
**Rhodes Field**
**Lea County, New Mexico**

**Project Engineer: K. L. Midkiff**

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1. MIRU PU. Kill well with treated 2% KCl water. ND wellhead, NU BOP. POOH with 2760' of 2 3/8" J-55 tubing. Deliver ±350' of 2 3/8" 4.7# J-55 to location.

2. RIH with 3 7/8" bit and clean out with foam to ±3060' (1 1/4" sinker bar made it to 2825'). POOH.

3. RIH with treating packer to ±2700'. Load annulus and set packer. Test casing to 3500 psi.

4. MIRU stimulation company. NU surface lines and test to 4000 psi. Breakdown perfs down tubing with 1000 gallons of 7 1/2% NEFe HCl acid and 36 7/8" RCNBS (Sp. Gr. = 1.3). Pump at 3 BPM. Flush with treated 2% KCl water.

| | |
|---|---|
| Treating Rate | = 3 BPM |
| Anticipated Pressure | = 1100 psi |
| Maximum Pressure | = 3500 psi |

Release packer and run through perfs. POOH with tubing and packer.

5. ND BOP. NU frac valve to 4 1/2" casing. Fracture stimulate Yates down 4 1/2" casing with 29000 gallons of 65-Quality $N_2$ foam and 80000 lbs of 12/20 mesh Brady sand. Pump at 25 BPM.

| | |
|---|---|
| Treating Rate | = 25 BPM |
| Anticipated Pressure | = 3500 psi |
| Maximum Pressure | = 2000 psi |

| Stage | Fluid | ppg | Volume (gal) |
|---|---|---|---|
| Pad | 65-Quality Foam | 0 | 11000 |
| 1 | 65-Quality Foam | 1 | 2000 |
| 2 | 65-Quality Foam | 2 | 3000 |
| 3 | 65-Quality Foam | 4 | 5000 |
| 4 | 65-Quality Foam | 6 | 6000 |
| 5 | 65-Quality Foam | 8 | 2000 |
| Flush | 65-Quality Foam | 0 | 1600 |

SI for 90 minutes, then open up on 8/64" choke and flow back. Continue flow back until fluid return ceases or well dies (max 2 days).

6. ND frac valve, NU BOP. RIH with bulldog bailer and clean out sand. POOH. If well will not hold enough fluid for bailer then clean out with foam. RIH with SN and 2 3/8" production to _2750'. ND BOP, NU pump tee.

7. RIH with 2" x 1.25" x 16' RHBC pump, Stanley filter, and 3/4" sucker rods. ND BOP, NU pump tee. RDMO pulling unit. Production personnel will set pump jack and lower tubing in 20 days. Turn well to production.

Approved: _____ Date: _____
T. J. Harrington