



## Reservoir Engineering Services

|                      |        |                 |              |                      |        |                 |              |
|----------------------|--------|-----------------|--------------|----------------------|--------|-----------------|--------------|
| Location:            | 8988'  | Inside/Outside: | INSIDE       | Location:            | 9013'  | Inside/Outside: | OUTSIDE      |
| Pressure:            | Field: | Corrected:      | Temperature: | Pressure:            | Field: | Corrected:      | Temperature: |
| Initial Hydrostatic: | 4301   |                 | 130          | Initial Hydrostatic: | 4308   |                 | 132          |
| Start Initial Flow:  | 201    |                 | 130          | Start Initial Flow:  | 100    |                 | 132          |
| End Initial Flow:    | 289    |                 | 132          | End Initial Flow:    | 228    |                 | 136          |
| Initial Shut-in:     | 3356   |                 | 134          | Initial Shut-in:     | 3369   |                 | 136          |
| Start Second Flow:   | 177    |                 | 133          | Start Second Flow:   | 181    |                 | 134          |
| End Second Flow:     | 409    |                 | 133          | End Second Flow:     | 413    |                 | 134          |
| Second Shut-in:      | 3307   |                 | 135          | Second Shut-in:      | 3316   |                 | 136          |
| Start Third Flow:    |        |                 |              | Start Third Flow:    |        |                 |              |
| End Third Flow:      |        |                 |              | End Third Flow:      |        |                 |              |
| Third Shut-in:       |        |                 |              | Third Shut-in:       |        |                 |              |
| Final Hydrostatic:   | 4144   |                 | 136          | Final Hydrostatic:   | 4248   |                 | 136          |

District: **HOBBS, NM** Date: **5/2/00** Field Ticket: **263329**  
 Operator: **RICKS EXPLORATION, INC.**  
 Address: **OKLAHOMA CITY, OK 73102**

| GAS MEASUREMENTS        |      |       |       | Date | Time                       | Sequence Operations                   |
|-------------------------|------|-------|-------|------|----------------------------|---------------------------------------|
| Measured with:          |      |       |       | 5/3  | 0:29                       | SET PACKERS                           |
| Critical well tester    |      |       |       |      | 0:30                       | START FLOW W/ WEAK BLOW ON 1/8" CHOKE |
| Orifice well tester     |      |       |       |      | 5 MIN.-                    | 1.76 OZ                               |
| Side static             |      |       |       |      | 10 MIN.-                   | 5 OZ                                  |
| Pilot tube              |      |       |       |      | 15 MIN.-                   | 3.3 PSIG                              |
| Flow manifold w/ chokes |      |       |       |      | 0:45                       | END FLOW AND START SHUT-IN            |
| Riser size              |      |       |       |      | 1:45                       | END SHUT-IN                           |
| Pressure gauge          |      |       |       |      | 1:45                       | START FLOW W/ WEAK BLOW ON 1/8" CHOKE |
| Time                    | psig | Choke | MCF/D |      | 5 MIN.-                    | 8 PSIG                                |
| FINAL FLOW PERIOD       |      |       |       |      | 10 MIN.-                   | 13 PSIG                               |
|                         |      |       |       |      | 20 MIN.-                   | 21.5 PSIG                             |
| 1:45                    | 3 OZ | 1/8"  |       | 2:14 | *** GAS TO SURFACE ***     |                                       |
| 1:50                    | 8    |       |       |      | 30 MIN.-                   | 30 PSIG                               |
| 1:55                    | 13   |       |       |      | 40 MIN.-                   | 35 PSIG                               |
| 2:00                    | 17   |       |       |      | 50 MIN.-                   | 38.5 PSIG                             |
| 2:05                    | 21.5 |       |       |      | 60 MIN.-                   | 38 PSIG                               |
| 2:10                    | 26   |       |       | 2:45 | END FLOW AND START SHUT-IN |                                       |
| 2:15                    | 30   |       | 66    | 3:45 | END SHUT-IN                |                                       |
| 2:20                    | 32   |       | 69    | 4:00 | T.O.O.H.                   |                                       |
| 2:25                    | 35   |       | 73    |      |                            |                                       |
| 2:30                    | 37   |       | 76    |      |                            |                                       |
| 2:35                    | 38.5 |       | 78    |      |                            |                                       |
| 2:40                    | 38.5 |       | 78    |      |                            |                                       |

