

COMPANY HARVEY E YATES LEASE MESQUITE 34 FED WELL NO. 1 DATE 11-15-82

 LOCATION: Unit N Section 34 Township 17S Range 31E
11857 H 11857 LH 1:000 GMS 7904 %CO<sub>2</sub> 3.652 %N<sub>2</sub> 4.330 %H<sub>2</sub>S —
8 1995 F<sub>1</sub> 0.1823 Q<sub>m</sub> 319 M<sup>2</sup>cfd (L/H) (F<sub>1</sub>Q<sub>m</sub>)<sup>2</sup> 0.00034 P<sub>cr</sub> 682 T<sub>cr</sub> 411

TABLE 11.8.9

| LINE | ITEM                                             | SOURCE     | 1       | 2       | 3         | 4       | 5         | 6 | 7 | 8 | 9 | 10 |
|------|--------------------------------------------------|------------|---------|---------|-----------|---------|-----------|---|---|---|---|----|
| 1    | H                                                |            | 0       | 5928.5  |           | 11.857  |           |   |   |   |   |    |
| 2    | GII                                              |            | 0       | 4685.89 |           | 9371.77 |           |   |   |   |   |    |
| 3    | 37.SGII                                          |            | 0       | 175.721 |           | 351.441 |           |   |   |   |   |    |
| 4    | P <sub>c</sub> or P <sub>n</sub>                 |            | 2633.2  | 3352.0  | 3331.9    | 4085.9  | 4024.2    |   |   |   |   |    |
| 5    | P <sub>r</sub>                                   |            | 3.86    | 4.91    | 4.88      | 5.99    | 5.90      |   |   |   |   |    |
| 6    | T                                                |            | 516     | 575     | 575       | 634.5   | 634.5     |   |   |   |   |    |
| 7    | T <sub>r</sub>                                   |            | 1.25    | 1.39    | 1.39      | 1.54    | 1.54      |   |   |   |   |    |
| 8    | Z                                                |            | 624     | 754     | 752       | 862     | 857       |   |   |   |   |    |
| 9    | P/Z P/Z                                          | 7.8        | 4219.8  | 4445.7  | 4430.7    | 4740.0  | 4695.7    |   |   |   |   |    |
| 10   | P/TZ                                             | 8.6        | 817     | 273     | 270       | 242     | 240       |   |   |   |   |    |
| 11   | (P/TZ) <sup>2</sup> /1000                        | (11) 2/101 | 0.6688  | 0.5977  | 0.5937    | 0.5580  | 0.5476    |   |   |   |   |    |
| 12   | L/H(F <sub>1</sub> Q <sub>m</sub> ) <sup>2</sup> |            | 0.00034 | 0.00034 | 0.00034   | 0.00034 | 0.00034   |   |   |   |   |    |
| 13   |                                                  | 11 + 12    | 0.6691  | 0.5981  | 0.5941    | 0.5580  | 0.5480    |   |   |   |   |    |
| 14   | I <sub>n</sub>                                   | 10 + 13    | 122.216 | 129.263 | 129.700   | 133.227 | 135.038   |   |   |   |   |    |
| 15   | M = P <sub>n</sub> - P <sub>n-1</sub>            |            | 718.89  | 689.74  | 753.99    | 692.29  |           |   |   |   |   |    |
| 16   | N = I <sub>n</sub> + I <sub>n-1</sub>            |            | 244.43  | 251.47  | 241.9     | 263.47  | 264.73    |   |   |   |   |    |
| 17   | M x N                                            | 15 x 16    |         |         | 169038.23 |         | 183276.24 |   |   |   |   |    |
| 18   | Σ (M x N)                                        | Σ 17       |         |         | 182402.76 |         | 168164.73 |   |   |   |   |    |