

CALCULATED PERMEABILITIES FROM DRILL STEM TESTS (DST)

| Well                  | Location   | Date of DST | DST Interval | Feet of Pay | Calculated        | Years To Reach<br>Pseudo-Steady State |          |
|-----------------------|------------|-------------|--------------|-------------|-------------------|---------------------------------------|----------|
|                       |            |             |              |             | Permeability (md) |                                       |          |
| Box Canyon #4A        | 23-21S-21E | 02-04-78    | 5876-6051    | 40          | 0.021             | 4.5                                   | 25 MCFD  |
| Cities JG ST. #1      | 13-18S-24E | 11-14-78    | 6544-6865    | 45          | 0.069             | 1.8                                   | 189      |
| Cities JH ST. #1      | 36-21S-21E | 04-07-78    | 5900-6100    | 18          | 0.005             | 21.2                                  | 56       |
| City of Artesia EQ #1 | 24-17S-25E | 08-31-75    | 6435-6650    | 45          | 0.066             | 1.9                                   | 83       |
| Federal BZ #12        | 21-17S-25E | 09-28-75    | 6380-6600    | 30          | 0.005             | 12.5                                  | 29       |
| Griffin JJ Com #1     | 4-18S-25E  | 03-26-78    | 6560-6643    | 24          | 0.009             | 13.3                                  | 190      |
| Irish Hills KW ST. #2 | 2-19S-24E  | 07-07-80    | 6532-6640    | 58          | 0.003             | 32.9                                  | 70       |
| La Cama               | 20-18S-25E | 10-09-77    | 6812-7000    | 38          | 0.091             | 2.2                                   | 136      |
| Murphy NW Fed. #1     | 3-18S-25E  | 11-29-80    | 6540-6661    | 50          | 0.035             | 2.8                                   | 221      |
| Powell DG #1          | 35-17S-25E | 07-03-74    | 6445-6653    | 40          | 0.009             | 14.1                                  | 48       |
| AVERAGE               |            |             |              |             | 0.031 md          | 10.7 years                            | 105 MCFD |