

## Artesia, New Mexico 88210

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### CHART READINGS AND CALCULATIONS FOR BUILDUP OR DRAWDOWN TEST

1005 PSIA DEAD WEIGHT AT THE END OF 72 HOURS 45 MINUTES.

| DATE            | HOUR   | TIME | DEFLECTION<br>in/inches | CALCULATED<br>PRESSURE<br>psig | CORRECTION<br>P ± PC<br>psi/g | CORRECTED<br>PRESSURE<br>psia | PRESSURE AT<br>MID-POINT OF<br>PERFORATIONS<br>psia |
|-----------------|--------|------|-------------------------|--------------------------------|-------------------------------|-------------------------------|-----------------------------------------------------|
| 4-24-82         | 0      | 1555 |                         | 909                            | 13.2                          |                               | 922                                                 |
|                 | 1/4    | 1510 |                         | 969                            | 13.2                          |                               | 982                                                 |
|                 | 1/2    | 1525 |                         | 983                            | 13.2                          |                               | 996                                                 |
|                 | 3/4    | 1540 |                         | 990                            | 13.2                          |                               | 1003                                                |
|                 | 1      | 1655 |                         | 993                            | 13.2                          |                               | 1006                                                |
|                 | 1-1/4  | 1710 |                         | 997                            | 13.2                          |                               | 1010                                                |
|                 | 1-1/2  | 1725 |                         | 1001                           | 13.2                          |                               | 1014                                                |
|                 | 1-3/4  | 1740 |                         | 1003                           | 13.2                          |                               | 1016                                                |
|                 | 2      | 1755 |                         | 1006                           | 13.2                          |                               | 1019                                                |
|                 | 2-1/2  | 1825 |                         | 1010                           | 13.2                          |                               | 1023                                                |
|                 | 3      | 1255 |                         | 1013                           | 13.2                          |                               | 1026                                                |
|                 | 3-1/2  | 1925 |                         | 1016                           | 13.2                          |                               | 1029                                                |
|                 | 4      | 1955 |                         | 1018                           | 13.2                          |                               | 1031                                                |
|                 | 4-1/2  | 2025 |                         | 1021                           | 13.2                          |                               | 1034                                                |
|                 | 5      | 2055 |                         | 1022                           | 13.2                          |                               | 1035                                                |
|                 | 6      | 2155 |                         | 1026                           | 13.2                          |                               | 1039                                                |
|                 | 7      | 2255 |                         | 1029                           | 13.2                          |                               | 1042                                                |
|                 | 8      | 2355 |                         | 1032                           | 13.2                          |                               | 1045                                                |
|                 | 9      | 2455 |                         | 1034                           | 13.2                          |                               | 1049                                                |
| 4-25-82         | 10     | 0155 |                         | 1036                           | 13.2                          |                               | 1049                                                |
| TIME CHNG 1 HR. | 12     | 0455 |                         | 1041                           | 13.2                          |                               | 1054                                                |
|                 | 14     | 0655 |                         | 1044                           | 13.2                          |                               | 1057                                                |
|                 | 16     | 0855 |                         | 1048                           | 13.2                          |                               | 1061                                                |
|                 | 18     | 1055 |                         | 1050                           | 13.2                          |                               | 1063                                                |
|                 | 20     | 1255 |                         | 1053                           | 13.2                          |                               | 1066                                                |
|                 | 25     | 1755 |                         | 1060                           | 13.2                          |                               | 1073                                                |
|                 | 30     | 2255 |                         | 1067                           | 13.2                          |                               | 1080                                                |
| 4-26-82         | 35     | 0355 |                         | 1072                           | 13.2                          |                               | 1085                                                |
|                 | 40     | 0855 |                         | 1076                           | 13.2                          |                               | 1089                                                |
|                 | 45     | 1355 |                         | 1080                           | 13.2                          |                               | 1093                                                |
|                 | 50     | 1855 |                         | 1084                           | 13.2                          |                               | 1097                                                |
|                 | 55     | 2355 |                         | 1087                           | 13.2                          |                               | 1100                                                |
| 4-27-82         | 60     | 0455 |                         | 1091                           | 13.2                          |                               | 1104                                                |
|                 | 65     | 0955 |                         | 1093                           | 13.2                          |                               | 1106                                                |
|                 | 70-1/4 | 1510 |                         | 1096                           | 13.2                          |                               | 1109                                                |
|                 |        |      |                         |                                |                               |                               |                                                     |
|                 |        |      |                         |                                |                               |                               |                                                     |
|                 |        |      |                         |                                |                               |                               |                                                     |