

Cities Service Company  
Swearingen "A" No. 1  
Bottom Hole Pressures to use for calculating  
4-point test and BHP Build-up Test  
Tabulation of Pressure and Time

Test Date: June 6 to 10, 1981  
Test Depth: 12,290 feet  
Element No.: 34912 (0-8000 psi)  
Operator: M.R.

| <u>DATE</u> | <u>TIME</u> | <u>COM. HRS./MIN.</u> | <u>PSIG @ 12,290 FEET</u>    |
|-------------|-------------|-----------------------|------------------------------|
| 6-6-81      | 10:00 am    |                       | 3478 Gauge reached 12,290    |
|             | 11:00       |                       | 1226                         |
| 6-6-81      | 11:30 am    | 00 HRS. 00 MIN.       | 1206 Shut in, Begin Build    |
|             | 11:45 am    | 00 15                 | 2592 -up                     |
|             | 12:00 NN    | 00 30                 | 3114                         |
|             | 12:15 pm    | 00 45                 | 3804                         |
|             | 12:30 pm    | 01 00                 | 4126                         |
|             | 12:45 pm    | 01 15                 | 4304                         |
|             | 1:00 pm     | 01 30                 | 4381                         |
|             | 1:15 pm     | 01 45                 | 4449                         |
|             | 1:30 pm     | 02 00                 | 4522                         |
|             | 2:00 pm     | 02 30                 | 4595                         |
|             | 2:30 pm     | 03 00                 | 4656                         |
|             | 3:00 pm     | 03 30                 | 4713                         |
|             | 3:30 pm     | 04 00                 | 4753                         |
|             | 4:00 pm     | 04 30                 | 4773                         |
|             | 4:30 pm     | 05 00                 | 4806                         |
|             | 5:00 pm     | 06 00                 | 4846                         |
|             | 6:00 pm     | 07 00                 | 4874                         |
|             | 7:00 pm     | 08 00                 | 4895                         |
|             | 8:00 pm     | 09 00                 | 4919                         |
|             | 9:00 pm     | 10 00                 | 4943                         |
| 6-6-81      | 11:00 pm    | 12 00                 | 4972                         |
| 6-7-81      | 2:00 am     | 15 00                 | 5012                         |
|             | 7:00 am     | 20 00                 | 5052                         |
|             | 12:00 NN    | 25 00                 | 5081                         |
|             | 5:00 pm     | 30 00                 | 5105                         |
| 6-7-81      | 10:00 pm    | 35 00                 | 5117                         |
| 6-8-81      | 3:00 am     | 40 00                 | 5141                         |
|             | 8:00 am     | 45 00                 | 5149                         |
|             | 8:20 am     | 45 20                 | 5153 Swab valve leaking      |
|             | 9:00 am     | 46 00                 | 5121                         |
|             | 1:00 pm     | 50 00                 | 5101                         |
| 6-8-81      | 6:00 pm     | 55 00                 | 5081 Gauge out, change valve |