

OKLAHOMA CORPORATION COMMISSION-OIL & GAS CONSERVATION DIVISION  
 WORK SHEET FOR CALCULATION OF STATIC COLUMN WELLHEAD PRESSURE (Pc or Pw)  
 FORM 1016C (1969)

Company: REED & STEVENS

LEASE: CARRASCO NO. 1

Well No.: 1

Date: 4-1-82

L: 12127 H: 12127 L/H:

1.0000 G: .608 %CO<sub>2</sub>: 1.15 %N<sub>2</sub>: .25 %H<sub>2</sub>S: .00

Pcr: 678

Tcr: 344

FLOW RATE NO. 4

DOWN HOLE CALCULATION

| INTERVAL NO. 1 |          | ID: 1.995   | Fr: .0177767 | Qm: 1.361 MMCFPD |             | (L/H) (FrQm) 2: .0005857 |        |          |  |
|----------------|----------|-------------|--------------|------------------|-------------|--------------------------|--------|----------|--|
|                |          | OD: .000    |              |                  |             |                          |        |          |  |
| H              | GH       | 37.5GH      | P(n)         | P(r)             | T           | T(r)                     | Z      | P/Z      |  |
| P/TZ           | (P/TZ) 2 | L/H(FrQm) 2 | 11+12        | I(n)             | M           | N                        | M*N    | SUM(M*N) |  |
| 0              | .00      | 0           | 1065.20      | 1.58             | 528         | 1.48                     | .84500 | 1260     |  |
| 2.387          | .00570   | .00059      | .006286      | 379.821          | 0           | .000                     | 0      | 0        |  |
| 6030           | 3665.22  | 137445      | 1243.84      | 1.84             | 601         | 1.69                     | .89600 | 1388     |  |
| 2.309          | .00533   | .00059      | .005919      | 390.152          | 178         | 769.972                  | 137548 | 137548   |  |
| 12060          | 7330.43  | 274891      | 1418.81      | 2.10             | 674         | 1.89                     | .92700 | 1530     |  |
| 2.270          | .00515   | .00059      | .005740      | 395.536          | 174         | 785.687                  | 137474 | 275022   |  |
| DELTA P =      |          | 353.0 Psi   | P(N) =       | 1418.2 Psia      | AT 12060 Ft |                          |        |          |  |

| INTERVAL NO. 2 |          | ID: 4.154   | Fr: .0026174 | Qm: 1.361 MMCFPD |             | (L/H) (FrQm) 2: .0000127 |        |          |  |
|----------------|----------|-------------|--------------|------------------|-------------|--------------------------|--------|----------|--|
|                |          | OD: .000    |              |                  |             |                          |        |          |  |
| H              | GH       | 37.5GH      | P(n)         | P(r)             | T           | T(r)                     | Z      | P/Z      |  |
| P/TZ           | (P/TZ) 2 | L/H(FrQm) 2 | 11+12        | I(n)             | M           | N                        | M*N    | SUM(M*N) |  |
| 12060          | 7330.43  | 274891      | 1418.23      | 2.10             | 674         | 1.89                     | .92700 | 1529     |  |
| 2.269          | .00515   | .00001      | .005162      | 439.585          | 174         | .000                     | 0      | 275022   |  |
| 12095          | 7350.79  | 275654      | 1419.10      | 2.10             | 674         | 1.90                     | .93000 | 1525     |  |
| 2.262          | .00512   | .00001      | .005129      | 440.997          | 0           | 880.582                  | 764    | 275655   |  |
| 12127          | 7371.16  | 276418      | 1419.97      | 2.10             | 675         | 1.90                     | .93000 | 1526     |  |
| 2.262          | .00512   | .00001      | .005129      | 440.993          | 0           | 881.990                  | 763    | 276419   |  |
| DELTA P =      |          | 1.7 Psi     | P(N) =       | 1420.0 Psia      | AT 12127 Ft |                          |        |          |  |

UPHOLE CALCULATION

| H         | GH       | 37.5GH      | P(n)    | P(r)        | T       | T(r)    | Z      | P/Z      |  |
|-----------|----------|-------------|---------|-------------|---------|---------|--------|----------|--|
| P/TZ      | (P/TZ) 2 | L/H(FrQm) 2 | 11+12   | I(n)        | M       | N       | M*N    | SUM(M*N) |  |
| 12127     | 7371.16  | 276418      | 1419.97 | 2.10        | 675     | 1.90    | .93000 | 1526     |  |
| 2.262     | .00512   | .00000      | .005117 | 442.088     | 0       | .000    | 0      | 276419   |  |
| 6063      | 3685.58  | 138209      | 1261.41 | 1.87        | 604     | 1.70    | .89800 | 1404     |  |
| 2.324     | .00540   | .00000      | .005400 | 430.345     | 158     | 872.433 | 138330 | 138088   |  |
| 0         | .00      | 0           | 1097.71 | 1.62        | 534     | 1.50    | .84900 | 1292     |  |
| 2.421     | .00586   | .00000      | .005862 | 413.010     | 163     | 843.355 | 138055 | 32       |  |
| DELTA P = |          | 321.9 Psi   | P(N) =  | 1098.1 Psia | AT 0 Ft |         |        |          |  |