

WORK SHEET FOR STEPWISE CALCULATION  
(SUBSURFACE) PRESSURE (P<sub>f</sub> & P<sub>s</sub>)  
(SURFACE) (P<sub>c</sub> & P<sub>w</sub>)

Form C-122E  
Adopted 9-1-65

COMPANY State R LEASE State R WELL NO. 1 DATE 7-12-76

LOCATION: Unit L Section 34 Township 21S Range 26E

L 10999 H 10000 L/H 1 G 0.602 %CO<sub>2</sub> 1.35 %N<sub>2</sub> .28 %H<sub>2</sub>S —  
D 2.441 F<sub>1</sub> .01076 Q<sub>m</sub> 0.901 M<sub>2</sub>cid (L/H) (F<sub>1</sub>Q<sub>m</sub>)<sup>2</sup> .000094 P<sub>cr</sub> 676 T<sub>cr</sub> 357  
TABLE IX & X

| ITEM                                             | SOURCE | 1       | 2        | 3        | 4        | 5        | 6 | 7 | 8 | 9 | 10 |
|--------------------------------------------------|--------|---------|----------|----------|----------|----------|---|---|---|---|----|
| 1 H                                              |        | 0       | 5500     |          | 10999    |          |   |   |   |   |    |
| 2 GH                                             |        | 0       | 3311     |          | 6621     |          |   |   |   |   |    |
| 3 37.5GH                                         |        | 0       | 124163   |          | 248302   |          |   |   |   |   |    |
| 4 P <sub>c</sub> or P <sub>n</sub>               |        | 1355.2  | 1558.23  | 1553.64  | 1751.14  | 1743.64  |   |   |   |   |    |
| 5 P <sub>t</sub>                                 |        | 2.00    | 2.31     | 2.30     | 2.59     | 2.58     |   |   |   |   |    |
| 6 T                                              |        | 520     | 584      | 584      | 648      | 648      |   |   |   |   |    |
| 7 T <sub>r</sub>                                 |        | 1.46    | 1.64     | 1.64     | 1.82     | 1.82     |   |   |   |   |    |
| 8 Z                                              |        | 0.804   | .862     | .862     | .906     | .906     |   |   |   |   |    |
| 9 P/Z                                            |        | 1685.6  | 1807.69  | 1802.31  | 1933.16  | 1924.55  |   |   |   |   |    |
| P/TZ                                             |        | 3.2415  | 3.09536  | 3.096244 | 2.983367 | 2.96998  |   |   |   |   |    |
| (P/TZ) <sup>2</sup> /1000                        |        | .010507 | .009589  | .009534  | .0088998 | .0088207 |   |   |   |   |    |
| L/H(F <sub>1</sub> Q <sub>m</sub> ) <sup>2</sup> |        | .000094 | .000094  | .000094  | .000094  | .000094  |   |   |   |   |    |
| L <sub>n</sub>                                   |        | .010601 | .0096752 | .0096189 | .0089938 | .0089147 |   |   |   |   |    |
| M=P <sub>n</sub> -P <sub>n-1</sub>               |        | 203.03  | 198.44   | 197.8    | 190      |          |   |   |   |   |    |
| N=L <sub>n</sub> +L <sub>n-1</sub>               |        | 625.7   | 626.62   | 652.55   | 654.01   |          |   |   |   |   |    |
| M x N                                            |        | 15 x 16 | 124 346  |          | 124 262  |          |   |   |   |   |    |
| Σ (M x N)                                        |        | Σ 17    | 124346   |          | 248608   |          |   |   |   |   |    |

RECEIVED

JUL 15 1976

O. E. C.  
ARTESIAL OFFICER