

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

Form C-122E  
Adopted 9-1-65

COMPANY

LEASE

WELL NO.

DATE

LOCATION: Unit

Section

Township

Range

L 12, 758

H 12, 758

L/H 1.00

G M/L, 756

% CO<sub>2</sub> .295

% N<sub>2</sub> .650

% H<sub>2</sub>S

d 2.440 F<sub>r</sub> .010507

Q<sub>m</sub> .785

M<sup>2</sup>cid

(L/H) (F<sub>r</sub>Q<sub>m</sub>)<sup>2</sup>

.000068

P<sub>cr</sub>

667

T<sub>cr</sub>

408

TABLE 18 & X

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| LINE | ITEM                                             | SOURCE                          | 1       | 2       | 3       | 4       | 5       | 6 | 7 | 8 | 9 | 10 |
|------|--------------------------------------------------|---------------------------------|---------|---------|---------|---------|---------|---|---|---|---|----|
| 1    | H                                                |                                 | 0       | 6399    |         | 12,758  |         |   |   |   |   |    |
| 2    | GH                                               |                                 | 0       | 4838    |         | 7675    |         |   |   |   |   |    |
| 3    | 37.5GH                                           |                                 | 0       | 181412  |         | 362,823 |         |   |   |   |   |    |
| 4    | P <sub>cr</sub> or P <sub>n</sub>                |                                 | 7703.2  | 8721.2  | 8694.4  | 9684.7  | 9634.4  |   |   |   |   |    |
| 5    | P <sub>r</sub>                                   |                                 | 11.55   | 13.08   | 13.04   | 14.52   | 14.44   |   |   |   |   |    |
| 6    | T                                                |                                 | 534     | 600     | 600     | 667     | 667     |   |   |   |   |    |
| 7    | T <sub>r</sub>                                   |                                 | 1.31    | 1.47    | 1.47    | 1.63    | 1.63    |   |   |   |   |    |
| 8    | Z                                                |                                 | 1.286   | 1.366   | 1.363   | 1.437   | 1.432   |   |   |   |   |    |
| 9    | P/Z                                              |                                 | 590.0   | 6384.5  | 6378.9  | 6734.5  | 6727.9  |   |   |   |   |    |
| 10   | P/TZ                                             |                                 | 11.217  | 10.64   | 10.63   | 10.10   | 10.08   |   |   |   |   |    |
| 11   | (P/TZ) <sup>2</sup> /1000                        | (10) <sup>2</sup> /1000         | 125828  | 113227  | 113028  | 103096  | 101745  |   |   |   |   |    |
| 12   | L/H(F <sub>r</sub> Q <sub>m</sub> ) <sup>2</sup> |                                 | .000068 | .000068 | .000068 | .000068 | .000068 |   |   |   |   |    |
| 13   |                                                  | I <sub>1</sub> + I <sub>2</sub> | .135856 | .113295 | .113096 | .102164 | .101813 |   |   |   |   |    |
| 14   | I <sub>n</sub>                                   | I <sub>0</sub> - I <sub>3</sub> | 89.099  | 93.9211 | 94.004  | 98.902  | 99.073  |   |   |   |   |    |
| 15   | M = P <sub>n</sub> - P <sub>n-1</sub>            |                                 |         | 10.18   | 991     | 990     | 940     |   |   |   |   |    |
| 16   | N = I <sub>n</sub> + I <sub>n-1</sub>            |                                 |         | 183.0   | 183.1   | 192.9   | 193.1   |   |   |   |   |    |
| 17   | M x N                                            | 15 x 16                         |         |         | 181494  |         | 181489  |   |   |   |   |    |
| 18   | Σ (M x N)                                        | Σ I <sub>7</sub>                |         |         | 181329  |         |         |   |   |   |   |    |

DS = 9632.5

**RECEIVED**  
JUL 3 1986  
O.C.D.  
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