

# WORK SHEET FOR STEPWISE CALCULATION

(SUBSURFACE)  
(SURFACE)

PRESSURE (P<sub>T</sub> & P<sub>S</sub>)  
HUBBS (P<sub>sc</sub> & P<sub>ws</sub>), G. C.

Form C-122E  
Adopted 9-1-65

COMPANY Summit Dr. Oil Co.

LEASE STATE LAND "76"

WELL NO. JAN 19 11 44 AM '67

DATE 1-16-67

LOCATION: Unit J

Section 2

Township 16 S

Range 32 E

L 11,978

H 11,978

L/H 1.000

G 1.144

% CO<sub>2</sub> —

% N<sub>2</sub> —

% H<sub>2</sub>S —

d 1.995

F 0.01823

Q<sub>m</sub> 0

M<sup>2</sup> Gfd 0

(L/H) (F<sub>1</sub> Q<sub>m</sub>)<sup>2</sup> 0

P<sub>cr</sub> 650

T<sub>cr</sub> 537

TABLE IX & X

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| LINE | ITEM                                             | SOURCE                          | 1        | 2       | 3       | 4       | 5       | 6       | 7 | 8 | 9 | 10 |
|------|--------------------------------------------------|---------------------------------|----------|---------|---------|---------|---------|---------|---|---|---|----|
| 1    | H                                                |                                 | 11,978   | 5987    |         | 0       |         |         |   |   |   |    |
| 2    | GH                                               |                                 | 13,702.8 | 6871.4  |         | 0       |         |         |   |   |   |    |
| 3    | 37.5GH                                           |                                 | 513,835  | 256,728 |         | 0       |         |         |   |   |   |    |
| 4    | P <sub>c</sub> or P <sub>n</sub>                 |                                 | 5082.9   | 41028.9 | 41009.9 | 2735.9  | 2874.1  |         |   |   |   |    |
| 5    | P <sub>r</sub>                                   |                                 | 1.570    | 6.178   | 6.167   | 4.511   | 4.423   | 4.422   |   |   |   |    |
| 6    | T                                                |                                 | 640      | 586     | 586     | 532     | 532     |         |   |   |   |    |
| 7    | T <sub>r</sub>                                   |                                 | 1.191    | 1.071   | 1.071   | .9907   | .9907   |         |   |   |   |    |
| 8    | Z                                                |                                 | .971     | .808    | .804    | .601    | .588    | .588    |   |   |   |    |
| 9    | P/Z                                              | 4÷8                             | 5234.7   | 4986.2  | 4987.4  | 4885.0  | 4889.3  | 4887.9  |   |   |   |    |
| 10   | P/TZ                                             | 9÷6                             | 8.179    | 8.509   | 8.511   | 9.182   | 9.190   | 9.188   |   |   |   |    |
| 11   | (P/TZ) <sup>2</sup> /1000                        | (10) 2/1000                     |          |         |         |         |         |         |   |   |   |    |
| 12   | L/H(F <sub>1</sub> Q <sub>m</sub> ) <sup>2</sup> |                                 |          |         |         |         |         |         |   |   |   |    |
| 13   |                                                  | I <sub>1</sub> + I <sub>2</sub> |          |         |         |         |         |         |   |   |   |    |
| 14   | I <sub>n</sub>                                   | I <sub>0</sub> ÷ I <sub>3</sub> | 121.837  | 117.523 | 117.495 | 108.909 | 108.814 | 108.838 |   |   |   |    |
| 15   | M = P <sub>n</sub> - P <sub>n-1</sub>            |                                 |          |         | 1073    | 1074    | 1135    | 1135.8  |   |   |   |    |
| 16   | N = I <sub>n</sub> + I <sub>n-1</sub>            |                                 |          |         |         |         |         |         |   |   |   |    |
| 17   | M x N                                            | 15 x 16                         |          | 239.380 | 239.352 | 226.404 | 226.309 | 226.333 |   |   |   |    |
| 18   | Σ (M x N)                                        | Σ I <sub>7</sub>                | 513,855  | 10541   | 257,037 |         |         | 257,046 |   |   |   |    |