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# WORK SHEET FOR STEPWISE CALCULATION

(SUBSURFACE) PRESSURE (P<sub>1</sub> & P<sub>2</sub>)  
(SURFACE) (HOBBS OFFICE P & P)

Form C-122E  
Adopted 9-1-65

COMPANY SUNRAY OIL CO LEASE STATELAND "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<sub>r</sub> 0.08231 Q<sub>m</sub> 0 M<sup>2</sup>-cf/d (L/H) (F<sub>r</sub>Q<sub>m</sub>)<sup>2</sup> 0 P<sub>CT</sub> 650 T<sub>CT</sub> 537  
TABLE IX & X TABLE IX & X

| LINE | ITEM                                             | SOURCE                          | 1        | 2       | 3       | 4       | 5       | 6       | 7       | 8 | 9 | 10 |
|------|--------------------------------------------------|---------------------------------|----------|---------|---------|---------|---------|---------|---------|---|---|----|
| 1    | H                                                |                                 | 11,978   | 5189    |         |         | 0       |         |         |   |   |    |
| 2    | GH                                               |                                 | 13,732.0 | 6841.4  |         |         | 0       |         |         |   |   |    |
| 3    | 37.5GH                                           |                                 | 513,855  | 256,928 |         |         | 0       |         |         |   |   |    |
| 4    | P <sub>c</sub> or P <sub>n</sub>                 |                                 | 4638.9   | 360.16  | 3582.9  | 3583.7  | 2528.4  | 2461.7  | 2462.5  |   |   |    |
| 5    | P <sub>t</sub>                                   |                                 | 11.36    | 5.544   | 5.512   | 5.513   | 3.890   | 3.781   | 3.788   |   |   |    |
| 6    | T                                                |                                 | 640      | 586     | 586     | 586     | 532     | 532     | 532     |   |   |    |
| 7    | T <sub>r</sub>                                   |                                 | 1.192    | 1.091   | 1.091   | 1.091   | .9907   | .9907   | .9907   |   |   |    |
| 8    | Z                                                |                                 | .705     | .733    | .730    | .730    | .521    | .508    | .508    |   |   |    |
| 9    | P/Z                                              | 4÷8                             | 5125.8   | 4916.2  | 4908.1  | 4909.2  | 4853.0  | 4845.9  | 4847.4  |   |   |    |
| 10   | P/TZ                                             | 9÷6                             | 8.009    | 8.389   | 8.376   | 8.377   | 9.122   | 9.109   | 9.112   |   |   |    |
| 11   | (P/TZ) <sup>2</sup> /1000                        | (10) 2/1000                     |          |         |         |         |         |         |         |   |   |    |
| 12   | L/H(F <sub>r</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>  | 124.088  | 119.204 | 119.389 | 119.374 | 109.625 | 109.781 | 109.745 |   |   |    |
| 15   | M=P <sub>n</sub> -P <sub>n-1</sub>               |                                 |          |         | 1056    | 1055.2  | 1055.3  | 1122    | 1121.2  |   |   |    |
| 16   | N=I <sub>n</sub> +I <sub>n-1</sub>               |                                 |          | 243.242 | 243.477 | 243.462 | 228.999 | 229.155 | 229.119 |   |   |    |
| 17   | M x N                                            | I <sub>5</sub> x I <sub>6</sub> |          |         |         |         |         |         |         |   |   |    |
| 18   | Σ(M x N)                                         | ΣI <sub>7</sub>                 | 513,555  | 1035.3  |         | 256,930 |         |         | 256,934 |   |   |    |