

WORKSHEET FOR CALCULATION OF STATIC COLUMN WELLHEAD PRESSURE (P<sub>w</sub>)

Form O-1-22C  
Adopted 9-1-55

COMPANY \_\_\_\_\_ LEASE \_\_\_\_\_ WELL NO. \_\_\_\_\_ DATE \_\_\_\_\_

LOCATION: Unit \_\_\_\_\_ Section \_\_\_\_\_ Township \_\_\_\_\_ Range \_\_\_\_\_

L 2579 H 2579 L/H 1.00 G .765 % CO<sub>2</sub> 7.442 % N<sub>2</sub> 11.07 % H<sub>2</sub>S \_\_\_\_\_

d 1.995 F<sub>1</sub> .018231 GH 1973 P<sub>CT</sub> 678 T<sub>CT</sub> 366

TABLE IX & X

LINE	Rate I	Rate II	Rate III	Rate IV
1 Q <sub>m</sub>	.092	.092	.143	.143
2 T <sub>w</sub> (W.H. °R)	534	534	534	534
3 T <sub>g</sub> (B.H. °R)	560	560	560	560
4 T = ( $\frac{T_w + T_g}{2}$ )	547	547	547	547
5 Z (Est.)	.833	.828	.834	.829
6 T <sub>Z</sub>	455.6	452.9	453.5	456.7
7 GH/T <sub>Z</sub>	4.33	4.36	4.32	4.32
8 e <sup>s</sup> (Table XIV)	1.176	1.177	1.176	1.177
9 1-e <sup>s</sup> (Table XIV)	.1998	.1507	.1497	.1505
10 P <sub>1</sub>	1261.2	1261.2	1251.2	1243.2
11 P <sub>1</sub> / 1000	1.5606	1.5606	1.5655	1.5455
12 e <sup>-P<sub>1</sub></sup> (Table XV)	.018231	.018231	.018231	.018231
13 F <sub>c</sub> = F <sub>1</sub> T <sub>Z</sub>	5.307	8.257	8.317	8.267
14 F <sub>c</sub> Q <sub>m</sub>	.7642	.7596	1.189	1.182
15 L/H (F <sub>c</sub> Q <sub>m</sub> ) <sup>2</sup>	.5841	.5771	1.914	1.398
16 F <sub>w</sub> = L/H (F <sub>c</sub> Q <sub>m</sub> ) <sup>2</sup> (1-e <sup>-P<sub>1</sub></sup> )	.0875	.0869	.2117	.2104
17 P <sub>w</sub> <sup>2</sup> = P <sub>1</sub> <sup>2</sup> + F <sub>w</sub>	1560.7	1560.7	1565.7	1546.0
18 P <sub>w</sub> <sup>2</sup> = ω <sup>2</sup> P <sub>w</sub> <sup>2</sup>	1871.2	1872.9	1841.4	1843.2
19 P <sub>w</sub>	1367.9	1368.6	1356.9	1348.3
20 P <sub>w</sub> = ( $\frac{P_1 + P_w}{2}$ )	1314.6	1314.9	1304.1	1295.7
21 P <sub>w</sub> = (P <sub>1</sub> P <sub>w</sub> ) <sup>0.5</sup>	1.94	1.94	1.92	1.91
22 T <sub>w</sub> = (T <sub>1</sub> T <sub>w</sub> ) <sup>0.5</sup>	1.49	1.49	1.49	1.49
23 Z (Table XI)	.828	.828	.829	.829

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**Mar 9 9 1987**

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