

COMPANY : NEARBURG PROD. CO. LEASE : CUMMS 35 ST. WELL NO. : 3 Pc = 3740.2 Pc2 = 13989.1  
 UNIT : N SECTION : 35 TOWNSHIP : 20 Pt2 = \*\*\*\*\* Pw = 3687.8  
 L : 13075 H : 13075 L/H : 1 G/GMIX : 0.664 \*\*\*\*\* 3644.4  
 %CO2 : 0.444 %N2 : 0.393 H2S : DATE : 10-23-01 \*\*\*\*\* 3606.6  
 d : 1.995 Fr : 0.018231 GH : 8681.8 RANGE : 35 \*\*\*\*\* 3586.7

VOL 1 : 879 PSIA 1 : 3683.2 RESV. TEMP 204.8 Pc2-Pw2= 389.5 Pw2 = 13599.6  
 VOL 2 : 1751 PSIA 2 : 3626.2 707.3 13281.8  
 VOL 3 : 2629 PSIA 3 : 3565.2 SHUT-IN PR= 3740.2 981.6 13007.5  
 VOL 4 : 3562 PSIA 4 : 3510.2 1124.9 12864.2

PCR : 670  
 TCR : 378

n = 1.000  
 Pc2/(Pc2-Pw2) = 35.912  
 19.779  
 14.252  
 12.435

| LINE         | RATE 1   |          | RATE 2   |          | RATE 3   |          | RATE 4   |           |
|--------------|----------|----------|----------|----------|----------|----------|----------|-----------|
|              | 1ST      | 2ND      | 1ST      | 2ND      | 1ST      | 2ND      | 1ST      | 2ND       |
| 1 QM         | 0.879    | 0.879    | 1.751    | 1.751    | 2.629    | 2.629    | 3.562    | 3.562     |
| 2 Tw         | 534      | 534      | 534      | 534      | 534      | 534      | 534      | 534       |
| 3 Ts         | 664.8    | 664.8    | 664.8    | 664.8    | 664.8    | 664.8    | 664.8    | 664.8     |
| 4 T          | 599.4    | 599.4    | 599.4    | 599.4    | 599.4    | 599.4    | 599.4    | 599.4     |
| PR (est)     | 5.50     |          | 5.41     |          | 5.32     |          | 5.24     |           |
| 5 Z (est)    | 0.845    | 0.894    | 0.841    | 0.890    | 0.837    | 0.886    | 0.834    | 0.883     |
| 6 TZ         | 506.3    | 536.1    | 504.1    | 533.5    | 501.9    | 531.0    | 500.0    | 529.2     |
| 7 GH/TZ      | 17.149   | 16.196   | 17.221   | 16.274   | 17.296   | 16.350   | 17.363   | 16.405    |
| 8 eS         | 1.902    | 1.836    | 1.907    | 1.841    | 1.913    | 1.846    | 1.918    | 1.850     |
| 9 l-e-S      | 0.474    | 0.455    | 0.476    | 0.457    | 0.477    | 0.458    | 0.479    | 0.459     |
| 10 Pt        | 3683.2   | 3683.2   | 3626.2   | 3626.2   | 3565.2   | 3565.2   | 3510.2   | 3510.2    |
| 11 Pt2 /1000 | 13566.0  | 13566.0  | 13149.3  | 13149.3  | 12710.7  | 12710.7  | 12321.5  | 12321.5   |
| 12 Fr        | 0.018231 | 0.018231 | 0.018231 | 0.018231 | 0.018231 | 0.018231 | 0.018231 | 0.018231  |
| 13 Fc=FrTZ   | 9.230    | 9.773    | 9.191    | 9.726    | 9.151    | 9.681    | 9.116    | 9.648     |
| 14 FcQm      | 8.11     | 8.59     | 16.09    | 17.03    | 24.06    | 25.45    | 32.47    | 34.37     |
| 15 L/H(FcQm) | 65.8     | 73.8     | 259.0    | 290.0    | 578.8    | 647.8    | 1054.4   | 1181.0    |
| 16 Pw        | 31.22062 | 33.59194 | 123.2234 | 132.4846 | 276.2176 | 296.8906 | 504.5475 | 542.64692 |
| 17 Pw2       | 13597.2  | 13599.6  | 13272.5  | 13281.8  | 12986.9  | 13007.5  | 12826.1  | 12864.2   |
| 18 Ps2       | 25866.3  | 24962.4  | 25316.9  | 24450.7  | 24842.3  | 24014.1  | 24596.1  | 23799.1   |
| 19 Ps        | 5085.9   | 4996.2   | 5031.6   | 4944.8   | 4984.2   | 4900.4   | 4959.4   | 4878.4    |
| 20 P         | 4384.5   | 4339.7   | 4328.9   | 4285.5   | 4274.7   | 4232.8   | 4234.8   | 4194.3    |
| 21 Pr        | 6.54     | 6.48     | 6.46     | 6.40     | 6.38     | 6.32     | 6.32     | 6.26      |
| 22 Tr        | 1.59     | 1.59     | 1.59     | 1.59     | 1.59     | 1.59     | 1.59     | 1.59      |
| 23 Z         | 0.894    | 0.891    | 0.890    | 0.887    | 0.886    | 0.883    | 0.883    | 0.880     |

[Pc2/Pc2-Pw2]n = 35.912  
 19.779  
 14.252  
 12.435  
 AOF= Q 31.566  
 34.632  
 37.468  
 44.295

FORM C122-D