

[illegible]

COMPANY : CHEVRON USA      LEASE : GRAHAM ORCUTT      WELL NO. : GAS COM 1      Pc = 158.2      Pc2 = 25.0 \*  
 UNIT :      SECTION : 6      TOWNSHIP : 21      Pt2 = 22.6      Pw = 151.1 \*  
 L : 3024      H : 3024      L/H : 1      G/GMIX : 0.775      DATE : 4 19 91      20.5      145.3 \*  
 %CO2 : 10.45      %N2 : 1.88      H2S :      RANGE :      18.3      138.5 \*  
 d : 1.995      Fr : 0.018231      GH : 2343.6      14.9      127.1 \*

VOL 1 : 143      PSIA 1 : 150.2      RESV. TEMP 104.2      Pc2-Pw2 = 2.2      Pw2 = 22.8 \*  
 VOL 2 : 208      PSIA 2 : 143.2      SHUT-IN PR = 158.2      3.9      21.1 \*  
 VOL 3 : 252      PSIA 3 : 135.2      5.9      19.2 \*  
 VOL 4 : 294      PSIA 4 : 122.2      8.9      16.1 \*

PCR : 709      n = 0.589 \*  
 TCR : 395 \*

| LINE | RATE 1    |          | RATE 2   |          | RATE 3   |          | RATE 4   |          |           |
|------|-----------|----------|----------|----------|----------|----------|----------|----------|-----------|
|      | '1ST      | '2ND     | '1ST     | '2ND     | '1ST     | '2ND     | '1ST     | '2ND     |           |
| 1    | QM        | 0.143    | 0.143    | 0.208    | 0.208    | 0.252    | 0.252    | 0.294    | 0.294     |
| 2    | TW        | 534      | 534      | 534      | 534      | 534      | 534      | 534      | 534       |
| 3    | Ts        | 564.2    | 564.2    | 564.2    | 564.2    | 564.2    | 564.2    | 564.2    | 564.2     |
| 4    | T         | 549.1    | 549.1    | 549.1    | 549.1    | 549.1    | 549.1    | 549.1    | 549.1     |
|      | PR (est)  | 0.21     |          | 0.20     |          | 0.19     |          | 0.17     |           |
| 5    | Z(est)    | 0.949    | 0.948    | 0.950    | 0.949    | 0.952    | 0.950    | 0.954    | 0.953     |
| 6    | TZ        | 521.2    | 520.5    | 521.9    | 521.2    | 522.7    | 521.9    | 523.9    | 523.1     |
| 7    | GH/TZ     | 4.496    | 4.502    | 4.491    | 4.497    | 4.484    | 4.490    | 4.473    | 4.480     |
| 8    | eS        | 1.184    | 1.184    | 1.183    | 1.184    | 1.183    | 1.183    | 1.183    | 1.183     |
| 9    | 1-e-S     | 0.155    | 0.155    | 0.155    | 0.155    | 0.155    | 0.155    | 0.154    | 0.155     |
| 10   | Pt        | 150.2    | 150.2    | 143.2    | 143.2    | 135.2    | 135.2    | 122.2    | 122.2     |
| 11   | Pt2 /1000 | 22.6     | 22.6     | 20.5     | 20.5     | 18.3     | 18.3     | 14.9     | 14.9      |
| 12   | Fr        | 0.018231 | 0.018231 | 0.018231 | 0.018231 | 0.018231 | 0.018231 | 0.018231 | 0.018231  |
| 13   | Fc=FrTZ   | 9.502    | 9.490    | 9.515    | 9.501    | 9.529    | 9.515    | 9.552    | 9.537     |
| 14   | FcQm      | 1.36     | 1.36     | 1.98     | 1.98     | 2.40     | 2.40     | 2.81     | 2.80      |
| 15   | L/H(FcQm) | 1.8      | 1.8      | 3.9      | 3.9      | 5.8      | 5.7      | 7.9      | 7.9       |
| 16   | Fw        | 0.286499 | 0.286090 | 0.606999 | 0.606095 | 0.892397 | 0.891022 | 1.217808 | 1.2158657 |
| 17   | Pw2       | 22.8     | 22.8     | 21.1     | 21.1     | 19.2     | 19.2     | 16.2     | 16.1      |
| 18   | Ps2       | 27.0     | 27.0     | 25.0     | 25.0     | 22.7     | 22.7     | 19.1     | 19.1      |
| 19   | Ps        | 164.4    | 164.5    | 158.1    | 158.1    | 150.6    | 150.6    | 138.2    | 138.2     |
| 20   | P         | 157.3    | 157.3    | 150.6    | 150.6    | 142.9    | 142.9    | 130.2    | 130.2     |
| 21   | Pr        | 0.22     | 0.22     | 0.21     | 0.21     | 0.20     | 0.20     | 0.18     | 0.18      |
| 22   | Tr        | 1.39     | 1.39     | 1.39     | 1.39     | 1.39     | 1.39     | 1.39     | 1.39      |
| 23   | Z         | 0.948    | 0.948    | 0.949    | 0.949    | 0.950    | 0.950    | 0.953    | 0.953     |

Pc2/(Pc2-Pw2) = 11.475 \*  
 6.393 \*  
 4.273 \*  
 2.819 \*  
 [Pc2/(Pc2-Pw2)]n = 4.209 \*  
 2.982 \*  
 2.352 \*  
 1.841 \*  
 AOF = Q 0.602 \*  
 0.620 \*  
 0.593 \*  
 0.541 \*

AOF = 590 \*

FORM C122-D \*

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