

COMPANY: HANATHON OIL CO. LEASE: STATES FED OIL WELL NO.: 1  
 UNIT: SECTION: TOWNSHIP:  
 L: 11329 H: 11329 L/H: 1 G/GMIX:  
 %CO2: 0.864 %N2: 0.505 H2S: DATE: 5/10/00  
 d: 1.995 Pr: 0.018231 GH: 0.0 RANGE:

VOL 1: 830 PSIA 1: 463.2 RESV. TEMP 187.3  
 VOL 2: PSIA 2:  
 VOL 3: PSIA 3: SHUT-IN PR= 3317.9  
 VOL 4: PSIA 4:

PCR: 674  
 TCR: 358

| LINE         | RATE 1   |          | RATE 2   |          | RATE 3   |          | RATE 4   |          |
|--------------|----------|----------|----------|----------|----------|----------|----------|----------|
|              | 1ST      | 2ND      | 1ST      | 2ND      | 1ST      | 2ND      | 1ST      | 2ND      |
| 1 QM         | 0.830    | 0.830    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    |
| 2 TW         | 534      | 534      | 534      | 534      | 534      | 534      | 534      | 534      |
| 3 Ts         | 647.3    | 647.3    | 647.3    | 647.3    | 647.3    | 647.3    | 647.3    | 647.3    |
| 4 T          | 590.6    | 590.6    | 590.6    | 590.6    | 590.6    | 590.6    | 590.6    | 590.6    |
| PR (est)     | 0.69     |          | 0.00     |          | 0.00     |          | 0.00     |          |
| 5 Z(est)     | 0.928    | 0.928    | ERR      | ERR      | ERR      | ERR      | ERR      | ERR      |
| 6 TZ         | 548.2    | 548.2    | ERR      | ERR      | ERR      | ERR      | ERR      | ERR      |
| 7 GH/TZ      | 0.000    | 0.000    | ERR      | ERR      | ERR      | ERR      | ERR      | ERR      |
| 8 eS         | 1.000    | 1.000    | ERR      | ERR      | ERR      | ERR      | ERR      | ERR      |
| 9 l-e-S      | 0.000    | 0.000    | ERR      | ERR      | ERR      | ERR      | ERR      | ERR      |
| 10 Pt        | 463.2    | 463.2    | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      |
| 11 Pt2 /1000 | 214.6    | 214.6    | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      |
| 12 Fr        | 0.018231 | 0.018231 | 0.018231 | 0.018231 | 0.018231 | 0.018231 | 0.018231 | 0.018231 |
| 13 Pc=PrTZ   | 9.994    | 9.994    | ERR      | ERR      | ERR      | ERR      | ERR      | ERR      |
| 14 PcQm      | 8.30     | 8.30     | ERR      | ERR      | ERR      | ERR      | ERR      | ERR      |
| 15 L/H(PcQm) | 68.8     | 68.8     | ERR      | ERR      | ERR      | ERR      | ERR      | ERR      |
| 16 Fw        | 0        | 0        | ERR      | ERR      | ERR      | ERR      | ERR      | ERR      |
| 17 Pw2       | 214.6    | 214.6    | ERR      | ERR      | ERR      | ERR      | ERR      | ERR      |
| 18 Ps2       | 214.6    | 214.6    | ERR      | ERR      | ERR      | ERR      | ERR      | ERR      |
| 19 Ps        | 463.2    | 463.2    | ERR      | ERR      | ERR      | ERR      | ERR      | ERR      |
| 20 P         | 463.2    | 463.2    | ERR      | ERR      | ERR      | ERR      | ERR      | ERR      |
| 21 Pr        | 0.69     | 0.69     | ERR      | ERR      | ERR      | ERR      | ERR      | ERR      |
| 22 Tr        | 1.65     | 1.65     | 1.65     | 1.65     | 1.65     | 1.65     | 1.65     | 1.65     |
| 23 Z         | 0.928    | 0.928    | ERR      | ERR      | ERR      | ERR      | ERR      | ERR      |

Pc = 3317.9 Pc2 = 11008.5 \*  
 Pt2 = 463.2 Pw = 463.2 \*  
 0.0 ERR \*  
 0.0 ERR \*  
 0.0 ERR \*  
 Pc2-Pw2= \*\*\*\*\* Pw2 = 214.6 \*  
 ERR ERR \*  
 ERR ERR \*  
 ERR ERR \*  
 n = 1.000 \*  
 Pc2/(Pc2-Pw2) = 1.020 \*  
 ERR \*  
 ERR \*  
 ERR \*  
 [Pc2/Pc2-Pw2]n = 1.020 \*  
 ERR \*  
 ERR \*  
 ERR \*  
 AOF= Q 0.846 \*  
 ERR \*  
 ERR \*  
 ERR \*  
 FORM C122-D \*