

WORK SHEET FOR CALCULATION OF WELLHEAD PRESSURE (Pc or Pw)  
FROM KNOWN BOTTOM HOLE PRESSURE (Pf or Ps)

FORM C-122F

COMPANY MEWBOURNE OIL  
UNIT L  
LEASE : ILL. CP 17 WELL NO. : 1  
SECTION : 17 TOWNSHIP : 18  
H : 10252 L/H : 1  
CO2 : 0.5 N2 : 1.8  
GH : 6663.8 PCR : 669

DATE 10-04-93  
RANGE : 28  
G/GMIX : 0.6500  
H2S :  
TCR : 372

| LINE |                          | 1       | 2       | 3     | 4     | 5     | 6     | 7     | 8     |
|------|--------------------------|---------|---------|-------|-------|-------|-------|-------|-------|
| 1    | TW(W.H. R)               | 534     | 534     | 534   | 534   | 534   | 534   | 534   | 534   |
| 2    | Ts(B.H. R)               | 636.5   | 636.5   | 636.5 | 636.5 | 636.5 | 636.5 | 636.5 | 636.5 |
| 3    | T=(Tw+Ts/2)              | 585.3   | 585.3   | 585.3 | 585.3 | 585.3 | 585.3 | 585.3 | 585.3 |
| 4    | Z (EST.)                 | 0.901   | 0.817   | ERR   | ERR   | ERR   | ERR   | ERR   | ERR   |
| 5    | TZ                       | 527     | 478     | ERR   | ERR   | ERR   | ERR   | ERR   | ERR   |
| 6    | GH/TZ                    | 12.636  | 13.933  | ERR   | ERR   | ERR   | ERR   | ERR   | ERR   |
| 7    | eS(TABLE XIV)            | 1.606   | 1.686   | ERR   | ERR   | ERR   | ERR   | ERR   | ERR   |
| 8    | Pf or Ps                 | 3664.7  | 3664.7  | 0     | 0     | 0     | 0     | 0     | 0     |
| 9    | Pf2 or Ps2               | 13430.0 | 13430.0 | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 10   | Pc2=Pf/eS or Pw2=Ps2/eS  | 8361.7  | 7964.5  | ERR   | ERR   | ERR   | ERR   | ERR   | ERR   |
| 11   | Pc or Pw                 | 2892    | 2822    | ERR   | ERR   | ERR   | ERR   | ERR   | ERR   |
| 12   | P=(Pw+Ps/2) or (Pc+Pf/2) | 3278    | 3243    | ERR   | ERR   | ERR   | ERR   | ERR   | ERR   |
| 13   | Pr=(P/Pcr)               | 4.90    | 4.85    | ERR   | ERR   | ERR   | ERR   | ERR   | ERR   |
| 14   | Tr(I/Tcr)                | 1.57    | 1.57    | 1.57  | 1.57  | 1.57  | 1.57  | 1.57  | 1.57  |
| 15   | Z (TABLE XI)             | 0.817   | 0.815   | ERR   | ERR   | ERR   | ERR   | ERR   | ERR   |

~~Pc~~ 1 : 2822.11 PW 2 : ERR PW 3 : ERR PW 4 : ERR  
Pc