

FORM C-122E WORKSHEET FOR STEPWISE CALCULATION (SURFACE) PRESSURE (P_e & P_w)

COMPANY : UNICAL LEASE : RED HILLS WELL NO. : 3 DATE : 8 14 91
 UNIT : 0 SECTION : 0 TOWNSHIP : 0 RANGE : 0
 L : 14400 H : 14400 L/H : 1.0 G/GMIX : 0.646
 CO2 : 0.49 N2 : 0.69 H2S : 0
 d : 2.232 Fr : 0.010700 Qm : 0.000 1/L/H (FrQm) 0.000000

PCR : 670 TCR : 372

LINE	ITEM	SOURCE	1	2	3	4	5	6
1	H		14400	7200		0		
2	GH		9302.4	4651.20		0		
3	37.56H		348840	174420		0		
4	Pc or Pn		8852.9	7982.6	7988.9	7065.8	7009.7	7010.9
5	Pn		13.30	11.91	11.88	10.85	10.46	10.46
6	T		678	606	606	534	534	534
7	Tr		1.82	1.63	1.63	1.44	1.44	1.44
8	Z		1.317	1.250	1.248	1.172	1.167	1.167
9	P/ZP/Z	4/8	6766.0	6386.3	6378.9	6022.7	6007.4	6007.7
10	P/TZ	9/6	9.8790	10.5325	10.5253	11.2755	11.2498	11.2504
11	$\ln(10^{12}/1000) - (10^{12}/100)$							
12	$L/H(FrQm)^2$							
13	11+12							
14	In	10/13	100.207	94.891	95.000	88.665	88.890	88.886
15	M=Fn-Pn-1			870	894	893	849	848
16	N=In+In-1			195.098	195.207	183.665	183.890	183.886
17	$\gamma \times N$	15*16			174518			174318
18	SUM(MxN)	SUM17	348840		174322			

DELTA P = 1838.9

Pw = 7013.9