

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 (L/H) (Fr Qm) 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	37.5GH		348840	174420		0		
4	Pc or Pn		5212.3	4555.1	4536.0	3861.4	3809.7	3812.4
5	Pr		7.86	6.80	6.77	5.76	5.69	5.69
6	T		678	606	606	534	534	534
7	Tr		1.82	1.63	1.63	1.44	1.44	1.44
8	Z		1.031	0.941	0.940	0.827	0.822	0.822
9	P/ZP/Z	4/8	5109.3	4840.5	4827.7	4670.7	4635.0	4636.9
10	P/TZ	9/6	7.5358	7.7876	7.8665	8.7467	8.6798	8.6632
11	Ln10 ² /1000 (10 ² /100)							
12	L/H(Fr Qm) 2							
13	In	11+12						
14	In	10/13	132.700	125.195	125.526	114.329	115.210	115.164
15	M=Pn-Pn-1			657	676	675	726	724
16	N=In+In-1			257.895	258.225	239.855	240.736	240.690
17	M x N	15x16			174644			174163
18	SUM (MxN)	SUM17	348840		174196			

DELTA P = 1395.4

Pw = 3816.9