

WORK SHEET FOR CALCULATION OF WELLHEAD PRESSURE (P_c or P_w)
FROM KNOWN BOTTOM HOLE PRESSURE (P_b or P_d)

FORM C-122F

COMPANY HALLWOOD PETRO

LEASE : CAT D UNITWELL NO. : 4

DATE 2 11 93

UNIT

SECTION : 24 TOWNSHIP : 21

RANGE : 25

L

10320

H : 10320

LEH : 1

SIGMIX : 0.5820

CO2 : 0.91

N2 : 0.2

H2S :

GH : 6006.2

PCR : 512

TCR : 350

LINE

1

2

3

4

5

6

7

8

1	FWID. H. R)	534	534	534	534	534	534	534
2	T4(B. H. R)	637.2	637.2	637.2	637.2	637.2	637.2	637.2
3	$T = (T_w + T_d/2)$	585.6	585.6	585.6	585.6	585.6	585.6	585.6
4	Z TEST. 1	0.970	0.881	0.901	0.877	0.897	0.874	0.872
5	TZ	568	516	528	514	526	512	524
6	GH/TZ	10.570	11.645	11.333	11.695	11.428	11.734	11.454
7	eS(TABLE XIV)	1.486	1.548	1.532	1.551	1.535	1.553	1.537
8	P_b or P_d	4212.3	4212.3	4166.3	4166.3	4110.2	4110.2	4077.8
9	P_d2 or P_d2	17743.5	17743.5	17358.1	17358.1	16893.7	16893.7	16628.5
10	$P_c2 = P_b/eS$ or $P_w2 = P_d2/eS$	11936.8	11455.5	11327.2	11195.1	11005.4	10880.0	10700.4
11	P_c or P_w	3455	3336	3366	3346	3317	3298	3271
12	$P = (P_w + P_d/2)$ or $(P_c + P_b/2)$	3834	3799	3766	3756	3714	3704	3674
13	$P_x = (P/P_c)$	5.70	5.65	5.50	5.59	5.53	5.51	5.47
14	$T_x(T/T_c)$	1.67	1.67	1.67	1.67	1.67	1.67	1.67
15	Z (TABLE XI)	0.881	0.879	0.877	0.876	0.874	0.874	0.872

P_c : 3386.1 P_w 2 : 3345.9 P_w 3 : 3298.5 P_w 4 : 3271.1

J. L. L. L.