

WORK SHEET FOR CALCULATION OF WELLHEAD PRESSURES (P_c or P_w)

Form C-122F
Adopted 9-1-65

FROM KNOWN BOTTOM HOLE PRESSURE (P_f or P_g)

COMPANY

The Production Co.

LEASE

State Federal

WELL NO.

1

DATE

6-12-84

LOCATION: Unit

N

Section

17

Township

20 S

Range

29 E

L 11,595 H 11,595 LH 1.00 G 1.606 %CO₂ .781 %N₂ .311 %H₂S

GH

2027

P_{CT}

671

T_{CT}

358

TABLE IX & X

TABLE IX & X

late

#1

2

3

4

LINE	1	2	3	4	5	6	7	8
1	$T_w(W.H. \cdot R)$	534	534	534	534	534	534	534
2	$T_s(B.H. \cdot R)$	650	650	650	650	650	650	650
3	$T = (\frac{T_w + T_s}{2})$	592	592	592	592	592	592	592
4	Z (Est.)	.821	.819	.816	.817	.817	.818	.816
5	TZ	486.5	484.9	483.1	483.7	483.1	484.3	483.1
6	GH/TZ	14.46	14.45	14.55	14.53	14.55	14.51	14.55
7	e^s (Table XIV)	1.72	1.72	1.73	1.72	1.72	1.72	1.73
8	P_f or P_s	2535.2	2535.2	2645.2	2645.2	2696.2	2778.2	2778.2
9	P_f^2 or P_s^2	6427.2	6427.2	6997.1	6997.1	7266.5	7718.4	7718.4
10	$P_c^2 = P_f^2/e^s$ or $P_w^2 = P_s^2/e^s$	3737.5	3732.4	4055.2	4057.9	4215.9	4475.2	4473.2
11	P_c or P_w	1933.2	1931.9	2013.8	2014.4	2053.3	2116.4	2115.0
12	$P_c \cdot (\frac{P_w + P_s}{2})$ or $(\frac{P_c + P_f}{2})$	2234.2	2233.6	2329.5	2329.8	2374.7	2447.3	2446.6
13	$P_r = (P/P_{cr})$	3.33	3.33	3.47	3.47	3.54	3.54	3.65
14	$T_r = (T/T_{cr})$	1.65	1.65	1.65	1.65	1.65	1.65	1.65
15	Z (Table XI)	.819	.819	.817	.817	.817	.816	.816