WORK SHEET FOR CALCULATION OF WELLHEAD PRESSURES (~~P_f~~ or P_w)

FROM KNOWN BOTTOM HOLE PRESSURE (~~P_f~~ or P_s)

Form C-122F
Adopted 9-1-65

COMPANY Hamon Oil Co. LEASE N.M. 36 State Com WELL NO. 1 DATE 11-12-84

LOCATION: Unit B Section 36 Township 18S Range 36E

L 13,298 H 13,298 L/H 1.00 G .735 % CO_2 2.182 % N_2 1.794 % H_2S ____

GH 9774 P_{cr} 695 (TABLE IX & X) T_{cr} 383 (TABLE IX & X)

RATES NO. 1 2 3 4

LINE		1	2	3	4	5	6	7	8
1	T_w(W.H. °R)	534	534	534	534	534	534	534	534
2	T_s(B.H. °R)	667	667	667	667	667	667	667	667
3	$T=(\frac{T_w + T_s}{2})$	600	600	600	600	600	600	600	600
4	Z (Est.)	.851	.825	.844	.822	.833	.817	.821	.817
5	TZ	511.0	495.4	506.8	493.6	500.2	490.6	493.0	490.6
6	GH/TZ	19.13	19.73	19.28	19.80	19.53	19.92	19.83	19.92
7	e^s(Table XIV)	2.049	2.056	2.061	2.101	2.081	2.110	2.103	2.111
8	~~P_f~~ or P_s	3565.2	3565.2	3445.2	3445.2	3234.2	3234.2	2904.2	2904.2
9	~~P_f^2~~ or P_s^2	12710.7	12710.7	11866.4	11869.4	10460.0	10460.0	8434.4	8434.4
10	$P_c^2 = P_f^2/e^s$ or $P_w^2 = P_s^2/e^s$	6204.1	6065.4	5756.1	5648.7	5027.0	4955.4	4110.3	3995.7
11	~~P_f~~ or P_w	2490.8	2462.8	2398.8	2376.7	2242.1	2226.1	2002.6	1998.9
12	$P=(\frac{P_w + P_s}{2})$ or $(\frac{P_c + P_f}{2})$	3027.9	3014.0	2922.5	2910.9	2738.2	2730.1	2453.4	2451.6
13	$P_r = (P/P_{cr})$	4.36	4.34	4.21	4.19	3.94	3.93	3.53	3.53
14	$T_r = (T/T_{cr})$	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57
15	Z (Table XI)	.825	.825	.822	.822	.817	.817	.817	.817

One copy to be filed in District Office (Work copy acceptable)