Form C-122F
Adopted 9-1-65

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

FROM KNOWN BOTTOM HOLE PRESSURE (P_f or P_s)

COMPANY Texas Oil & Gas LEASE Catclaw Draw St. Com WELL NO. 1 DATE 11/28/79

LOCATION: Unit _____ Section 18 Township 21 Range 26

L 10552 H 10552 L/H 1.000 G .596 % CO_2 .842 % N_2 .552 % H_2S _____

GH 6289 P_{cr} 671 (TABLE IX & X) T_{cr} 358 (TABLE IX & X)

LINE		1st	2nd	3rd	4th	5	6	7	8
1	T_w(W.H. °R)	534	534	534	534	534	534	534	534
2	T_s(B.H. °R)	640	640	640	640	640	640	640	640
3	$T=(\frac{T_w + T_s}{2})$	587	587	587	587	587	587	587	587
4	Z (Est.)	.854	.864	.858	.868	.864	.874	.869	.879
5	TZ	501.3	507.2	503.6	509.5	507.2	513.0	510.1	516.0
6	GH/TZ	12,545	12,400	12,487	12,343	12,400	12,258	12,329	12,189
7	e^S(Table XIV)	1.601	1.592	1.597	1.589	1.592	1.584	1.588	1.579
8	P_f or P_s	1678.2	1678.2	1604.2	1604.2	1501.2	1501.2	1414.2	1414.2
9	P_f^2 or P_s^2	2816.4	2816.4	2573.5	2573.5	2253.6	2253.6	2000.0	2000.0
10	$P_c^2 = P_f^2/e^s$ or $P_w^2 = P_s^2/e^s$	1759.4	1769.0	1611.2	1619.9	1415.6	1423.1	1259.6	1266.2
11	P_c or P_w	1326.4	1330.1	1269.3	1272.8	1189.8	1192.9	1122.3	1125.3
12	$P=(\frac{P_w + P_s}{2})$ or $(\frac{P_c + P_f}{2})$	1502.3	1504.1	1436.8	1438.5	1345.5	1347.1	1268.3	1269.7
13	$P_r = (P/P_{cr})$	2.24	2.24	2.14	2.14	2.01	2.01	1.89	1.89
14	$T_r = (T/T_{cr})$	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
15	Z (Table XI)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]