

WORK SHEET FOR STEPWISE CALCULATION

(SUBSURFACE) PRESSURE (P_f & P_s)
(SURFACE) (P_c & P_w)

Form C-122-E
Adopted 9-1-65

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COMPANY Amorata Hess LEASE State WE "L" Comm. WELL NO. 1 DATE 11-28-69

LOCATION: Unit K Section 10 Township 21S Range 35E

L 11592 H 11723 LH 0.909 G 0.6235 %CO₂ 0.01 %N₂ 0.61 %H₂S None
d 1.867 F_r 0.0211 Q_m 1.025 M₂cid (L/H) ($F_r Q_m$)² 0.00047 P_{cf} 671 T_{cf} 365

TABLE IX & X TABLE IX & X

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		0	5862			11723					
2	GH		0	3654			7309.3					
3	37.5GH		0	137049			274099					
							$\frac{137049}{1.312 \times 811}$					
4	P_c or P_n		500	602	604		708	712				
5	P_r		0.745	0.897	900		1.055	1.061				
6	I		524	572	572		620	620				
7	T_r		1.436	1.567	1.567		1.698	1.698				
8	Z		0.914	0.925	0.924		0.939	0.938				
9	$P/2$ $P/2$	4-8	547	651	654		754	759				
10	P/TZ	9-6	1.044	1.138	1.143		1.216	1.224				
11	$(P/TZ)^2/1000$	$(10)^2/1000$	0.001090	0.001275	0.001306		0.001479	0.001499				
12	$L/H(F_r Q_m)^2$		0.000470	0.000470	0.000470		0.000470	0.000470				
13			0.001560	0.001765	0.001776		0.001949	0.001969				
14	I_n	$I_0 \div I_3$	669.230	644.759	643.581		623.909	621.635				
15	$M = P_n - P_{n-1}$			102.4	104.3		104.4	108.1	108.3			
16	$N = I_n + I_{n-1}$			1313.989	1312.811		1267.490	1265.216				
17	$M \times N$	$I_5 \times I_6$			137057			137023				
18	$\Sigma (M \times N)$	ΣI_7			137057			274080				

$P_s = 500 + 213$
 $P_s = 713$

$\Delta P = 669.230 + 4(643.581) + 621$
 $\Delta P = 822.297$
 $\Delta P = 3865.189$

$\Delta P = 213$