

WORK SHEET FOR STEPWISE CALCULATION

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

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

COMPANY Amerada Hess LEASE State Well "C" WELL NO. 1 DATE 11-28-69

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

L 11,592 H 11,723 LH 0.989 G 0.6235 % CO₂ 0.01 % N₂ 0.61 % H₂S None

d 1.8627 F_r 0.0012 Q_m 1.015 M²cid (L/H) (F_r Q_m)² .00043 P_{cr} 671 T_{cr} 365

TABLE IX & X

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		0	5862		11,723						
2	GH		0	3654		7309.3						
3	37.5GH		0	137049		274099						
4	P _c or P _n		2470	2912	2909	3348	3341	3340				
5	P _r	$\frac{4}{671}$	3.68	4.338	4.335	4.989	4.979	4.978				
6	T		524	572	572	620	620	620				
7	T _r	$\frac{6}{3.65}$	1.44	1.567	1.567	1.698	1.698	1.698				
8	Z		0.74	0.805	0.805	0.875	0.878	0.878				
9	P/Z P/Z	$\frac{4}{671}$	3337.8	3616.1	3613.7	3826.3	3805.2	3804.1				
10	P/TZ	$\frac{9}{671}$	6.369	6.321	6.317	6.171	6.137	6.135				
11	(P/TZ) ² /1000	$(\frac{10}{671})^2/1000$	0.040564	0.039955	0.039904	0.038081	0.037369	0.037638				
12	L/H(F _r Q _m) ²		0.00043	0.000430	0.000430	0.000430	0.000430	0.000430				
13			0.040994	0.040385	0.040334	0.038511	0.038099	0.038068				
14	I _n		155.379	156.499	156.617	160.239	161.080	161.158				
15	M=P _n -P _{n-1}		441	439.4	439.1	432.4	431.2	431.1				
16	N=I _n +I _{n-1}		311.878	311.996	316.856	317.697	319.775					
17	M x N		137091	137091								
18	Σ (M x N)		137091									

$P_s = 3342$

$P_s = 2470 + 872$

$\Delta P = 872$

$\Delta P = 872$

$\Delta P = 872$

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