

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 Amerado Hess LEASE State WE "L" Comm WELL NO. 1 DATE 11-28-69
LOCATION: Unit K Section 10 Township 21S Range 35E
L 11.592 H 11723 LH 0.989 G 0.6235 % CO₂ 0.01 % N₂ 0.61 % H₂S None
d 1.867 Fr 0.021 Q_m 0 M₂cid (L/H) (F_fQ_m)² 0 P_{CT} 671 T_{CT} 365
TABLE IX B B

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		11723	5862		0						
2	GH		73093	3654		0						
3	37.5GH		274099	137049		0						
4	P _c or P _n			$\frac{137050}{0.00504}$	$\frac{137050}{5.0565}$							
5	P _f		2135	1861	1861	1587	1588					
6	T		3.182	2.773	2.773	2.365	2.367					
7	T _f		620	572	572	524	524					
8	Z		1.698	1.567	1.567	1.435	1.435					
9	P/2 P/2	4-8	0.860	0.816	0.816	0.762	0.762					
10	P/TZ	9-6	2482.6	2280.6	2280.6	2082.7	2084.0					
11	(P/TZ) ² /1000	(10) 2/1000	4.004	3.987	3.987	3.915	3.977					
12	L/H(F _f Q _m) ²											
13		11 + 12										
14	I _n	10-13	249.750	250.815	250.815	251.572	251.445					
15	M=P _n -P _{n-1}			274.4	273.8	273.8	272.8	272.9				
16	N=I _n +I _{n-1}			500.565	500.565	502.389	502.260					
17	M x N	15 x 16			137055		137067					
18	Σ (M x N)	Σ 17	274,099		137,044							

P_w = 1588

P_w = 2135 - 547

ΔP = 1504.455

ΔP = 822.297

ΔP = 247.750 + 4(250.815) = 256.445