

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 Stata WE "L" Com WELL NO. 1 DATE 11-28-69

LOCATION: Unit K Section 10 Township 215 Range 35E

L 11592 H 11723 LH 0989 G 0.6235 % CO₂ 0.01 % N₂ 0.61 % H₂S None
 d L.867 F₁ 00211 Q_m 1.180 M₂ C_{id} (L/H) (F₁ Q_m)² 0.0006228 P_{cr} 671 T_{cr} 365

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		0	5862			11,723					
2	GH		0	3654			73093					
3	37.SGH		0	137049			274099					
4	P _c or P _n											
5	P _f		1570	1849	1851		2132	2135				
6	T		2,339	2,756	2,759		3,177	3,182				
7	T _f		524	572	572		620	620				
8	Z		1,435	1,567	1,567		1,698	1,698				
9	P/Z P/Z		.765	0.816	0.816		0.861	0.860				
10	P/TZ		2,052.3	2,265.9	2,268.4		2,476.2	2,482.6				
11	(P/TZ) ² /1000	(10) ² /1000	4.8	3.916	3.916		4.004					
12	L/H(F ₁ Q _m) ²		0.015335	0.015693	0.015729		0.015951	0.016033				
13			0.000628	0.000628	0.000628		0.000628	0.000628				
14	I _n		11 + 12	0.015963	0.016321	0.016355	0.016599	0.016661				
15	M = P _n - P _{n-1}		10 - 13	245.317	242.693	242.494	240.907	240.321				
16	N = I _n + I _{n-1}			279.3	280.8	280.9	281.0	283.6	283.9			
17	M x N			488.010	487.811		482.815					
18	Σ (M x N)			15 x 16	137026		137071					
				Σ 17	137026		274097					

P_s = 2135

ΔP = 1455.14

ΔP = 245 312 + 4(242.494) + 240