

WORK SHEET FOR STEPWISE CALCULATION (SUBSURFACE) PRESSURE (P_f & P_s)
(SURFACE) (P_c & P_w)

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

Page 1

COMPANY Amerada Hess LEASE State WE "C" Well NO. 1 DATE 11-28-69
LOCATION: Unit K Section 10 Township 21S Range 35E
L 11592 H 11723 LH 0989 G 0.6235 % CO₂ 0.01 % N₂ 0.61 % H₂S None
d 1.862 F_r 0.0211 Q_m 1.179 M₂cid (L/H) (F_rQ_m)² 0.00063 P_{cr} 671 T_{cr} 365
TABLE IX B X

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		0	5862			11723					
2	GH		0	3654			73093					
3	37.5GH		0	137049			274099					
4	P _c or P _n		850	1003	1005		1161	1166		ΔP =	822297	
5	P _f		1.267	1.495	1.498		1.730	1.738		ΔP =	2596484	
6	T		524	572	572		620	620		ΔP =	317	
7	T _r		1.435	1.567	1.567		1.698	1.698				
8	Z		0.856	0.880	0.879		0.903	0.902		P _s =	850 + 3.17	
9	P/2 P ₂ Z	4=8	993	1140	1143		1286	1293				
10	P/TZ	9=6	1.895	1.993	1.999		2.074	2.085		P _s =	1167	
11	(P/TZ) ² /1000	(10)2/1000	0.003591	0.00397	0.003995		0.004300	0.00435				
12	L/H(F _r Q _m) ²		0.000630	0.00063	0.000630		0.000630	0.00063				
13		I1 + I2	0.004221	0.00460	0.004625		0.00493	0.00498				
14	I _n	I0=13	448.945	433.261	432.216		420.690	418.675				
15	M=P _n -P _{n-1}			152.6	155.3		155.5	160.7	161.1			
16	N=I _n +I _{n-1}			882.206	881.161		852.906	850.891				
17	M x N	15 x 16										
18	Σ(M x N)	Σ17										