

WORK SHEET FOR STEPWISE CALCULATION

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

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

LOCATION: Unit K Section 10 Township 21S Range 3SE

L 115922 H 11723 LH 0.989 G 0.6235 % CO₂ 0.01 % N₂ 0.61 % H₂S None
d 1.862 F_i 0.0211 Q_m 0 M²cid (L/H) (F_iQ_m)² 0 P_{ci} 671 T_{ci} 365

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		11723	5862			0					
2	GH		7309.3	3654			0					
3	37.SGH		274099	137049			0					
4	P _c or P _n		712	628	629		546	549				
5	P _r		1.061	0.936	0.937		0.814	0.818	ΔP =			
6	T		620	572	572		524	524				
7	T _r		1.698	1.567	1.567		1.436	1.436	P _w =			
8	Z		0.938	0.922	0.922		0.907	0.906				
9	P/Z P _z		759	681	682		602	606	P _w =			
10	P/TZ		1.224	1.191	1.193		1.149	1.156				
11	(P/TZ) ² /1000											
12	L/H(F _i Q _m) ²											
13												
14	I _n		816.993	839.630	838.222		870.322	865.057				
15	M=P _n P _n ⁻¹			83.9	82.7		82.8	80.2	80.5			
16	N=I _n +I _n -1			11656.623	1655.245		1208.544	1703.273				
17	M x N				137052			137113				
18	Σ (M x N)		274099		137047			274160				