

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

COMPANY 1000000000 LEASE Red Hills WELL NO. 2 DATE 4/10/67
 LOCATION: Unit 13424 Section 5 Township 24S Range 33E
 L 13424 H 13424 L/H 1 G 4224 % CO₂ 0.15 % N₂ 0.41 % H₂S NIL
 d 2.385 F_i 0.002 Q_m 6.390 M₂cid (L/H) (F_iQ_m)² 0.004914 P_{cr} 648 T_{cr} 395
TABLE IN 8 X

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		0	6.712			13424					
2	GH		0	4859.49			9718.98					
3	37.5GH		0	182.230			364.462					
4	P _c or P _n		623.52	7233.2	7220.2	7219.2	8204.2	8178.2				
5	P _f		9.33	10.83	10.81	10.81	12.28	12.24				
6	T		547	596.5	596.5	596.5	646	646				
7	T _f		1.37	1.50	1.50	1.50	1.62	1.62				
8	Z		1.087	1.191	1.190	1.190	1.280	1.277				
9	P/Z P/Z	4+8	5736.1	6623.2	6674.4	6666.6	6409.5	6404.2				
10	P/TZ	9+6	10.4865	16.1814	10.1717	10.1703	9.9218	9.9136				
11	(P/TZ) ² /1000	(10) ² /1000	.109967	.103661	.103463	.103435	.098422	.098280				
12	L/H(F _i Q _m) ²		.004914	.004914	.004914	.004914	.004914	.004914				
13		I ₁ + I ₂	.114881	.118575	.108377	.108349	.103356	.103194				
14	I _n	I ₀ + I ₃	91.281	93.773	93.855	93.866	95.996	96.068				
15	M = P _n - P _{n-1}		998	988	985	984	985	989				
16	N = I _n + I _{n-1}		185.054	185.136	185.127	185.127	189.996	189.934				
17	M x N	I ₅ x I ₆					182.185	182.147				
18	Σ(M x N)	ΣI ₇					182.185	364.332				