

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 Union Pacific LEASE Red Hill WELL NO. 2 DATE 4/10/67

LOCATION: Unit 2 Section 5 Township 24S Range 33E

L 13424 H 12424 L/H 1 G 0.224 % CO₂ 0.18 % N₂ 0.41 % H₂S Nil
d 2.325 F_r 61922 Q_m 4.386 M₂ cfd (L/H) (F_r Q_m)² 1002309 P_{cr} 468 T_{cr} 378
TABLE IX & X

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		13424	1212		0						
2	GH		99184.98	4852.49		0						
3	37.5GH		36444.2	182230		6						
4	P _c or P _n		8463.2	7549.2	7535.2	6602.2	6578.2	6579.2				
5	P _r		12.67	11.30	11.28	9.89	9.85	9.85				
6	T		646	595.5	595.5	549	542	542				
7	T _r		1.12	1.50	1.50	1.37	1.37	1.37				
8	Z		1.306	1.225	1.223	1.134	1.130	1.130				
9	P/Z P/Z	4=8	6461.3	6162.6	6161.2	5826.5	58214	5828.3				
10	P/TZ	5=6	10.3486	10.3486	10.3463	10.6517	10.6424	10.6441				
11	(P/TZ) 2/1000	(10) 2/1000										
12	L/H(F _r Q _m) ²											
13		I ₁ + I ₂										
14	I _n	I ₀ + I ₃	99.687	96.631	96.653	93.842	93.964	93.949				
15	M = P _n - P _{n-1}			914	928	928	957	956				
16	N = I _n + I _{n-1}			196.318	196.340	190.535	190.617	190.602				
17	M x N	I ₅ x I ₆			182.204		182.216					
18	Σ (M x N)	Σ I ₇	36444.2		182.258							