

WORK SHEET FOR STEPWISE CALCULATION (SURFACE) PRESSURE (Pc & Pw)

Form C-122E

Pt #4, Pg #2

Company	Unocal	Lease	Red Hills	Well no.	28-2	Date:	11/1/95
Location: Unit	0	Section:	28	Township:	25-S	Range:	33-E

L : 13521 G : 0.76137 d : 2.323
 H : 13521 %CO₂ : 0.2 Fr : 0.01194 (table XV)
 L/H : 1.00 %N₂ : 1.9 Qm : 0
 %H₂S : 0.0 (L/H)(FrQm)² : 0.00000
 Pcr : 664
 Tcr : 405

T @ 0' : 554 deg R
 T @ mid point : 600 deg R
 T @ H : 646 deg R

Line	Item	source	1	2	3	4	5	6	7
1	H		13521	6760.5			0		
2	GH		10294.5	5147.25			0		
3	37.5 GH		386,044	193,022			0		
4	Pc or Pn		5641.77	4824.9	4818.8	4819.3	3996.8	3981.3	3982.4
5	Pr		8.50	7.27	7.26	7.26	6.02	6.00	6.00
6	T		646	600	600	600	554	554	554
7	Tr		1.60	1.48	1.48	1.48	1.37	1.37	1.37
8	Z	Table 11	1.032	0.936	0.936	0.936	0.821	0.82	0.82
9	P/Z	4/8	5467.4	5154.9	5148.3	5148.9	4868.2	4855.2	4856.6
10	P/TZ	9/6	8.4635	8.5914	8.5805	8.5814	8.7874	8.7639	8.7664
11	(P/TZ) ² /1000	10 ² /1000							
12	L/H*FrQm ²								
13		11 + 12							
14	ln	1000/#10	118.15	116.40	116.54	116.53	113.80	114.10	114.07
15	M = Pn-P(n-1)			816.8	822.9	822.4	822.5	838.1	837.0
16	N = ln + I(n-1)			234.549	234.697	234.685	230.329	230.635	230.603
17	M x N	15*16				193,012			193,006
18	sum of (MxN)	sum of 17	386,044			193,032			

Ps =	5641.77
delta P =	1658.4
Pw = Ps - dP	Pw = 3983.4

