

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

Form C-122E

Pt #1, 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' : 532 deg R

T @ mid point : 589 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		8957.85	7979.5	7960.7	7960.7	6963.5	6923.3	6924.1
5	Pr		13.49	12.02	11.99	11.99	10.49	10.43	10.43
6	T		646	589	589	589	532	532	532
7	Tr		1.60	1.45	1.45	1.45	1.31	1.31	1.31
8	Z	Table 11	1.368	1.286	1.283	1.283	1.193	1.188	1.188
9	P/Z	4/8	6548.6	6204.9	6204.7	6204.8	5837.0	5827.7	5828.4
10	P/TZ	9/6	10.1372	10.5346	10.5344	10.5344	10.9718	10.9544	10.9556
11	(P/TZ) ² /1000	10 ² /1000							
12	L/H*FrQm ²								
13		11 + 12							
14	ln	1000/#10	98.65	94.93	94.93	94.93	91.14	91.29	91.28
15	M = Pn-P(n-1)			978.3	997.2	997.1	997.1	1037.4	1036.6
16	N = ln+l(n-1)			193.572	193.574	193.574	186.070	186.215	186.204
17	M x N	15*16				193,022			193,011
18	sum of (MxN)	sum of 17	386,044			193,022			

Ps =	8957.85
delta P =	2033.1
Pw = Ps - dP	Pw = 6924.7

