

WORK SHEET FOR STEPWISE CALCULATION (SUBSURFACE) PRESSURE (Pf & Ps)

Form C-122E

Pt #2, Pg #1

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	%CO ₂ :	0.2	Fr :	0.01194	(table XV)
L/H :	1.00	%N ₂ :	1.9	Qm :	1.254	
		%H ₂ S :	0.0	(L/H)(FrQm) ² :	0.00022	
				Pcr :	664	
				Tcr :	405	

T @ 0' :	558	deg R
T @ mid point :	602	deg R
T @ H :	646	deg R

Line	Item	source	1	2	3	4	5	6	7
1	H		0	6760.5			13521		
2	GH		0	5147.25			10294		
3	37.5 GH		0	193,022			386,044		
4	Pc or Pn		6353.2	7347.9	7338.3	7338.1	8322.9	8304.2	8303.5
5	Pr		9.57	11.07	11.05	11.05	12.53	12.51	12.51
6	T		558	602.0	602.0	602	646	646	646
7	Tr		1.38	1.49	1.49	1.49	1.60	1.60	1.60
8	Z	Table 11	1.107	1.21	1.208	1.209	1.302	1.301	1.301
9	P/Z	4/8	5739.1	6072.7	6069.7	6069.5	6392.4	6382.9	6382.4
10	P/TZ	9/6	10.2852	10.0875	10.0826	10.0823	9.8954	9.8807	9.8798
11	(P/TZ) ² /1000	10 ² /1000	0.10578	0.10176	0.10166	0.10165	0.09792	0.09763	0.09761
12	L/H*FrQm ²		0.00022	0.00022	0.00022	0.00022	0.00022	0.00022	0.00022
13		11 + 12	0.10601	0.10198	0.10188	0.10188	0.09814	0.09785	0.09784
14	ln	10/13	97.022	98.915	98.962	98.965	100.826	100.976	100.984
15	M = Pn-P(n-1)			994.7	985.1	984.9	984.9	966.10	965.378
16	N = ln + I(n-1)			195.937	195.984	195.99	199.79	199.9	199.9
17	M x N	15*16				193,025			193,027
18	sum of (MxN)	sum of 17				193,025			386,052

Pt =	6353.2
delta P =	1950.1
Ps = Pt + dP	Ps = 8303.35

