

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

Form C-122E

Pt #3, 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 :	1.913	
		%H ₂ S :	0.0	(L/H)(FrQm) ² :	0.00052	
				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		5283.2	6224.6	6215.9	6215.7	7148.2	7132.7	7132.5
5	Pr		7.96	9.37	9.36	9.36	10.77	10.74	10.74
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	0.976	1.086	1.085	1.085	1.18	1.178	1.178
9	P/Z	4/8	5413.1	5731.7	5729.0	5728.8	6057.8	6054.9	6054.7
10	P/TZ	9/6	9.7009	9.5211	9.5166	9.5162	9.3774	9.3729	9.3727
11	(P/TZ) ² /1000	10 ² /1000	0.09411	0.09065	0.09056	0.09056	0.08794	0.08785	0.08785
12	L/H*FrQm ²		0.00052	0.00052	0.00052	0.00052	0.00052	0.00052	0.00052
13		11 + 12	0.09463	0.09117	0.09109	0.09108	0.08846	0.08837	0.08837
14	ln	10/13	102.514	104.428	104.478	104.482	106.010	106.060	106.063
15	M = Pn-P(n-1)			941.4	932.7	932.5	932.5	916.99	916.772
16	N = ln+l(n-1)			206.943	206.992	207.00	210.49	210.5	210.5
17	M x N	15*16				193,025			193,021
18	sum of (MxN)	sum of 17				193,025			386,047

Pt =	5283.2
delta P =	1848.6
Ps = Pt + dP	Ps = 7131.76

