

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

Form C-122E

stabilized point 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 :	1.028	
		%H ₂ S :	0.0	(L/H)(FrQm) ² :	0.00015	
				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		0	6760.5			13521		
2	GH		0	5147.25			10294		
3	37.5 GH		0	193,022			386,044		
4	Pc or Pn		913.2	1115.4	1124.3	1125.2	1337.3	1355.6	1357.2
5	Pr		1.38	1.68	1.69	1.69	2.01	2.04	2.04
6	T		554	600.0	600.0	600	646	646	646
7	Tr		1.37	1.48	1.48	1.48	1.60	1.60	1.60
8	Z	Table 11	0.816	0.837	0.836	0.836	0.861	0.859	0.859
9	P/Z	4/8	1119.1	1332.6	1344.9	1345.9	1553.2	1578.1	1580.0
10	P/TZ	9/6	2.0201	2.2209	2.2415	2.2432	2.4044	2.4428	2.4458
11	(P/TZ) ² /1000	10 ² /1000	0.00408	0.00493	0.00502	0.00503	0.00578	0.00597	0.00598
12	L/H*FrQm ²		0.00015	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015
13		11 + 12	0.00423	0.00508	0.00517	0.00518	0.00593	0.00612	0.00613
14	In	10/13	477.400	436.908	433.145	432.828	405.343	399.278	398.808
15	M = Pn-P(n-1)			202.2	211.1	212.0	212.1	230.37	232.048
16	N = In+I(n-1)			914.307	910.544	910.23	838.17	832.1	831.6
17	M x N	15*16				192,955			192,980
18	sum of (MxN)	sum of 17				192,955			385,935

Pt =	913.2
delta P =	444.2
Ps = Pt + dP	Ps = 1357.35