

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

Form C-122E

Pt #3, 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' : 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		13521	6760.5			0		
2	GH		10294.5	5147.25			0		
3	37.5 GH		386,044	193,022			0		
4	Pc or Pn		7131.76	6227.2	6219.9	6220.4	5309.0	5292.4	5292.9
5	Pr		10.74	9.38	9.37	9.37	8.00	7.97	7.97
6	T		646	602	602	602	558	558	558
7	Tr		1.60	1.49	1.49	1.49	1.38	1.38	1.38
8	Z	Table 11	1.178	1.088	1.088	1.088	0.979	0.977	0.977
9	P/Z	4/8	6054.7	5734.1	5727.4	5727.8	5422.9	5417.0	5417.5
10	P/TZ	9/6	9.3727	9.5250	9.5139	9.5147	9.7185	9.7079	9.7088
11	(P/TZ) ² /1000	10 ² /1000							
12	L/H*FrQm ²								
13		11 + 12							
14	ln	1000/#10	106.69	104.99	105.11	105.10	102.90	103.01	103.00
15	M = Pn-P(n-1)			904.6	911.9	911.3	911.4	928.0	927.5
16	N = ln + I(n-1)			211.680	211.803	211.794	207.997	208.110	208.100
17	M x N	15*16				193,014			193,021
18	sum of (MxN)	sum of 17	386,044			193,030			

Ps =	7131.76
delta P =	1838.0
Pw = Ps - dP	5293.7

