

WORK SHEET FOR STEPWISE CALCULATION (SUBSURFACE) PRESSURE (P_f & P_s)
(SURFACE) (P_c & P_w)

Form C-122E
Adopted 9-1-65

COMPANY Union Oil Co. of California LEASE Escondido WELL NO. 1

DATE 8-11-73

LOCATION: Unit M Section 4 Township 19 South Range 34 East

L 13325 H 13325 L/H 1.00 G 0.8385 %CO₂ 0.0 %N₂ 0.6 %H₂S Scarc

d 13325 F_r 0.01233 Q_m 2.0 M²ctd (L/H) (F_rQ_m)² 0.02167 P_{cr} 4615 T_{cr} 469
TABLE IX & X TABLE IX & X

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		15325	6663								
2	GH		12519	6260								
3	37.5GH		469456	234796								
4	P _c or P _n		5901	4901	4823	3865	3820	3822	3821	19	386.007	
5	P _i		8.88	7.37	7.34	5.81	5.74	5.75		14	800.001	
6	T		660	602	602	546	546	546		4	186.369	
7	T _r		1.41	1.23	1.23	1.16	1.16	1.16			2.00	
8	Z		1.050	0.921	0.918	0.765	0.759	0.757				
9	P _r /2	48	5622	5321	5319	5052	5033	5049				
10	P _r /T _r	96	8.52	8.34	8.84	9.29	9.25	9.28				
11	(P _r /T _r) ² /1000	(96) ² /1000	-									
12	L/H(F _r Q _m) ²		-									
13		11+12	-									
14	I _n	10+13	117.37	113.12	113.12	107.64	108.11	107.76				
15	M=P _n -P _{n-1}			1000	1019	1013	1063	1061	1063			
16	N=I _n +I _{n-1}		234.74	230.17	230.99	220.76	221.23	220.83				
17	M x N	15x16										
18	Σ (M x N)	Σ 17										

FR-4 page 2