

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

Form G-122E
Adopted 9-1-55

COMPANY Union Oil Co. of California LEASE Pipe Line Federal WELL NO. 1 DATE 8-11-70

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

L H L/H G % CO₂ % N₂ % H₂S d F_r Q_m M²cf/d (L/H) (F_rQ_m)² P_{cr} T_{cr}

TABLE IX & X

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		1332.5	6663		0						
2	GH		12519	6260		0						
3	37.5CH		469454	234744		0						
4	P _c or P _n		6167	5153	5135	4104	4060	4062				
5	P _i		9.27	7.75	7.72	6.17	6.11					
6	T		660	602	602	544	544					
7	T _r		141	1.23	1.23	1.16	1.16					
8	E		1.081	0.956	0.954	0.505	0.289					
9	P/P ₂	48	5705	5390	5383	5078	5001					
10	P/P ₂	96	8.64	8.95	8.94	9.37	9.34					
11	(L/H)(F _r Q _m) ²		-									
12	L/H(F _r Q _m) ²		-									
13		11 + 12	-									
14	I _n	10 + 13	115.74	111.73	111.86	106.72	107.07					
15	M _n P _n -P _{n-1}		1314	1032	1031	1071	1073					
16	M _n I _n + I _{n-1}		227.47	227.50	218.59	218.59						
17	M _n xN	15x16			234.892							
18	Σ(M _n xN)	Σ17										

5.49 MINCED