

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

Form C-122E
Adopted 5-1-65

COMPANY Superior LEASE State O WELL NO. 1 DATE 7-12-76

LOCATION: Unit L Section 3d Township 21S Range 24E

L 10999 H 10999 LH 1 G 0.602 %CO₂ 1.35 %N₂ 2.28 %H₂S
d 2.441 F_r 0.0163 Q_m 1.077 M₂cid (L/H) (F_rQ_m)² .0001343 P_{cr} 676 T_{cr} 357
TABLE IX & X TABLE IX & X

ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1 H		0	5500		10999						
2 GH		0	3311		6621		AP =	3(248302)			
3 37.5GH		0	12416.3		248302			365.65 + 11(37.98) + 391.97			
4 P _c or P _n		1153.2	1322.98	1319.7	1486.2	1480.8	AP =	327.1			
5 P _r		1.71	1.96	1.95	2.2	2.19					
6 T		530	584	584	648	638	P _c =	1153.2 + 327.1 =	1480.3		
7 T _r		1.46	1.64	1.64	1.82	1.82					
8 Z		.826	.874	.816	.915	.915					
9 P/Z		1396.19	1513.71	1506.51	1624.36	1618.36					
10 P/TZ		9.6	2.6849	2.59196	2.579135	2.574577					
11 (P/TZ)/2/1000		(10)2/1000	.001343	.006718	.0066515	.00662378					
12 L/H(F _r Q _m) ²		.0001343	.0001343	.0001343	.0001343	.0001343					
13		11 + 12	.007346	.006954	.0067894	.0066472					
14 I _n		10 + 13	365.65	378.25	379.96	390.60					
15 M = P _n - P _{n-1}			166.78	166.5	166.5	166.1					
16 N = I _n + I _{n-1}			745.9	745.63	770.58	771.95					
17 M x N		15 x 16			124147	1247361					
18 Σ(M x N)		Σ17			124147	248508					

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JUL 15 1976

O.C.C.

ANALYST, OFFICE