

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

Form C-122-E
Adopted 9-1-65

Rate No. 2

COMPANY Gulf Oil Corporation Lease Lea "ED" State WELL NO. # 2 DATE 8/10/78

LOCATION: Unit K Section 16 Township 19 Range 34

L 7602 H 7602 L/H 1.000 G mix .827 % CO₂ 0 % N₂ 0 % H₂S 0

d 1.995 F₁ 0.018231 M² 0 (1/H) (F₁O₁)² 0 P_c 665 T_c 434
TABLE IX & X TABLE IX & X

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		7602	3801		0						
2	GH		6286.9	3143.4		0						
3	37.5GH		235757	117879		0						
4	P _c or P _n		3765.3	3370.5	3352.1	2940.0	2894.1	2895.5		P _w = 2898.8		
5	P _r		5.66	5.07	5.04	4.42	4.35	4.35				
6	T		666	600	600	534	534	534				
7	T _r		1.53	1.38	1.38	1.23	1.23	1.23				
8	Z		.844	.764	.762	.664	.658	.658				
9	P/Z P/Z		4461.3	4411.6	4399.1	4427.8	4398.3	4400.4				
10	P/TZ		6.6986	7.3527	7.3318	8.2917	8.2364	8.2405				
11	(P/TZ) ² /1000		(6.6986) ² /1000									
12	L/H(F _r Q _m) ²											
13			I ₁ + I ₂									
14	I _n		I ₀ ÷ I ₃									
15	M = P _n - P _{n-1}		149.285	136.004	136.392	120.602	121.412	121.351				
16	N = I _n + I _{n-1}			395	413	412	458	457				
17	M x N			285.289	285.677	256.994	257.804	257.743				
18	Σ (M x N)		Σ I ₇		118039		117718	117690				