

WORK SHEET FOR STEPWISE CALCULATION (SUBSURFACE) PRESSURE (P_f & P_s) (SURFACE) (P_{xy} & P_{xy})

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

COMPANY Gulf Oil Corporation LEASE Lea "ED" State Comm WELL NO. Rate No. 1 # 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 % N₂ % H₂S

d 1.995 F₀₁₈₂₃₁ Q_m 1.032 M²ctd (l./H) (F₀Q_m)² .000354 P_{cr} 665 T_{cr} 434
TABLE IX & X TABLE IX & X

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		0	3801		7602						
2	GH		0	3143.4		6286.9						
3	37.5GH		0	117879		235757						
4	P ₀ or P _n		3445.2	3973.5	3945.5	4444.0	4400.2		P ₀	4395.1		
5	P ₁		5.18	5.98	5.93	6.68	6.62					
6	T		534	600	600	666	666					
7	T ₁		1.23	1.38	1.38	1.53	1.53					
8	Z		.723	.826	.823	.902	.899					
9	P/Z P/Z	4.8	4765.1	4810.5	4794.1	4926.9	4834.6					
10	P/TZ	9.6	8.9235	8.0175	7.9901	7.3977	7.3492					
11	(P/TZ) ² /1000	(10) ² /1000	.079629	.064281	.063842	.054726	.054011					
12	L/H(F ₀ Q _m) ²		.000354	.000354	.000354	.000354	.000354					
13			.079983	.064635	.064196	.055080	.054365					
14	I _n	10÷13	111.568	124.044	124.465	134.308	135.183					
15	M=P _n -P _{n-1}			528	500	499	455					
16	N=I _n +I _{n-1}			235.612	236.033	258.773	259.648					
17	M x N	15 x 16			118090		118065					
18	Σ (M x N)	Σ 17			117667							