

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

Rate No. 1

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

COMPANY Gulf Oil Corporation Lease "ED" State WELL NO. # 2 DATE 8/10/73

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 F_r .01823 I_{om} 0 M₂ 0 (L/H) (F_r I_{om})² 0 P_{cr} 665 T_{cr} 434

TABLE 1 & 2

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		7602	3801		0						
2	GH		6236.9	3143.4		0						
3	37.5GH		235757	117879		0						
4	P _r or P _n		4395.1	3962.0	3943.5	3492.3	3446.0	3447.2				
5	P _r		6.61	5.96	5.93	5.25	5.18	5.18				
6	F		666	600	600	534	534	534				
7	T _r		1.53	1.38	1.38	1.23	1.23	1.23				
8	Z		.898	.825	.823	.729	.723	.723				
9	P/Z P/Z	4.8	4894.3	4802.4	4791.6	4791.3	4766.2	4767.9				
10	P/TZ	9.6	7.3483	8.0040	7.9860	8.9724	8.9254	8.9286				
11	(P/TZ) ² /1000	(10) ² /1000										
12	L/H(F _r I _{om}) ²											
13		I ₁ + I ₂										
14	I _n	I ₀ + I ₃	136.076	124.938	125.219	111.453	112.039	111.999				
15	M = P _n - P _{n-1}			433	452	451	498	496				
16	N = I _n + I _{n-1}			261.014	261.295	236.672	237.258	237.218				
17	M x N	I ₅ x I ₆				118006						
18	Σ (M x N)	Σ I ₇				117751						