

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

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

Rate No 4

COMPANY Gulf Oil Corporation LEASE Lea "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

Δ 1.995 F, 0.0182310 in 0 M_{cfd} (l./H) (F_rQ_m)² 0 P_c 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		7602	3801		0						
2	GH		6286.9	3143.4		0						
3	37.5GH		235757	117879		0						
4	P _c or P _n		2302.6	2038.3	2029.0	1756.6	1723.6	1726.2		P _w = <u>1731.1</u>		
5	P _r		3.46	3.07	3.05	2.64	2.59	2.60				
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		.771	.706	.706	.580	.580	.580				
9	P/Z P/Z	4÷8	2986.5	2887.1	2873.9	3028.6	2971.7	2976.2				
10	P/TZ	9÷6	4.4843	4.8119	4.7899	5.6715	5.5649	5.5735				
11	(P/TZ) ² /1000 (10 ² /1000)											
12	L/H(F _r Q _m) ²											
13		11 + 12										
14	I _n	10÷13	223.003	207.820	208.774	176.319	179.698	179.421				
15	M=P _n -P _{n-1}			264	274	272	305	303				
16	N=I _n +I _{n-1}			430.823	431.777	385.093	388.472	388.195				
17	M x N	15 x 16			118140			117533				
18	Σ(M x N)	Σ17			117617							

RECEIVED

AUG 17 1978

OIL CONSERVATION COMM.
HOBBES, N. M.