

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

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

Rate No. 3

COMPANY Gulf Oil Corporation LEASE Idea "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 F_r 0.1823 I_{0m} 0 M₂ ctd (L/H) (F_r Q_m)² 0 P_{cr} 665 T_{cr} 434
TABLE IX & X

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		7602	3801		0						
2	G/H		6286.9	3143.4		0						
3	37.5G/H		235757	117879		0						
4	P _c or P _n		3168.4	2817.9	2802.7	2437.9	2394.8	2396.9			P _w = <u>2401.2</u>	
5	P ₁		4.76	4.24	4.21	3.67	3.60	3.60				
6	T		666	600	600	534	534	534				
7	I _r		1.53	1.38	1.38	1.23	1.23	1.23				
8	Z		.800	.724	.722	.612	.608	.608				
9	P/Z P/Z	4:8	3960.5	3892.1	3881.8	3983.5	3938.3	3942.3				
10	P/TZ	9:6	5.9467	6.4869	6.4697	7.4597	7.3760	7.3826				
11	(P/TZ) ² /1000 (10) ² /1000											
12	L/H(F _r Q _m) ²											
13		I ₁ + I ₂										
14	I _n	I ₀ + I ₃	168.161	154.157	154.566	134.054	135.575	135.454				
15	M = P _n - P _{n-1}			350	366	365	408	406				
16	N = I _n + I _{n-1}			322.318	322.727	288.620	290.141	290.020				
17	M x N	I ₅ x I ₆			118029			117679				
18	Σ (M x N)	Σ I ₇			117728							

RECEIVED

AUG 17 1971

CONSERVATION COMM.
ROCKY M. M.