

WORK SHEET FOR STEPWISE CALCULATION

(SUBSURFACE)
(SURFACE)

PRESSURE
(P_c & P_w)

3 rd

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

COMPANY GULF OIL CORP. LEASE FEDERAL COM - 4 WELL NO. # 1 DATE 05-14-80

LOCATION: Unit K Section 4 Township 19S Range 32E

L 12521 H 12521 L/H 1.000 G mix .715 % CO₂ .442 % N₂ .524 % H₂S
d 1.995 F_r .01823 M^2 d (L/H) ($F_r Q_m$)² 0 P_{cr} 668 T_{cr} 398

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		12521	6260.5		0						
2	SH		8952.5	4476.3		0						
3	33.5SH		335719	167859		0						
4	P_s or P_n		4927.0	4288.6	4268.3	3611.3	3562.5	3564.5				
5	P_i		7.38	6.42	6.39	5.41	5.33	5.34				
6	T		659	596.5	596.5	534	534	534				
7	T		1.66	1.50	1.50	1.34	1.34	1.34				
8	Z		.983	.887	.885	.770	.764	.764				
9	P/Z P/Z		5012.2	4835.0	4823.0	4689.9	4663.0	4665.5				
10	P/TZ		7.6058	8.1056	8.0855	8.7827	8.7322	8.7370				
11	$(F_r/TZ)^2/1000$ ($(\bar{I}\bar{O})^2/1000$)											
12	$L/H(F_r Q_m)^2$											
13												
14	$\bar{I}_n$		131.478	123.372	123.678	113.860	114.519	114.455				
15	$M=P_n-P_{n-1}$			638	659	657	706	.704				
16	$N=I_n+I_{n-1}$			254.850	255.156	237.538	238.196	238.133				
17	$M \times N$				168061			167614				
18	$\Sigma (M \times N)$				167658							