

WORK SHEET FOR STEPWISE CALCULATION (SUBSURFACE) PRESSURE (P_f & P_s) 1st.

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

COMPANY GULF OIL CORP. LEASE EDDY "D" FED. COM. WELL NO. # 1 DATE 10-10-79

LOCATION: Unit F Section 20 Township 18S Range 31E

L 11502 H 11502 L/H 1.000 Gmix .746 % CO₂ .52 % N₂ 2.42 % H₂S 0
d 1.995 F_i 018234 m .282 M₂cid (L/H) (F_iQ_m)² .000026 P_{ci} 667 T_{ci} 408
TABLE IX & X TABLE IX & X

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		0	5751.0		11502						
2	GH		0	4290.2		8580.5						
3	37.5GH		0	160884		321768						
4	P _o or P _n		2228.2	2762.2	2747.3	3264.2	3241.4			P _w =	3237.8	
5	P _r		3.34	4.14	4.12	4.89	4.86					
6	T		534	587	587	640	640					
7	T _r		1.31	1.44	1.44	1.57	1.57					
8	Z		.629	.750	.749	.842	.840					
9	P/Z P/Z	$\bar{4} \div \bar{8}$	3542.4	3682.9	3667.9	3876.8	3858.9					
10	P/TZ	$\bar{9} \div \bar{6}$	6.6338	6.2741	6.2486	6.0574	6.0295					
11	(P/TZ) ² /1000	($\bar{10}$) ² /1000	.044007	.039364	.039045	.036692	.036355					
12	L/H(F _i Q _m) ²		.000026	.000026	.000026	.000026	.000026					
13		$\bar{11} + \bar{12}$	.044034	.039390	.039072	.036719	.036381					
14	I _n	$\bar{10} \div \bar{13}$	150.653	159.279	159.927	164.968	165.731					
15	M=P _n -P _{n-1}			534	.519	517	494					
16	N=I _n +I _{n-1}			309.932	310.580	324.895	325.658					
17	M x N	$\bar{15} \times \bar{16}$			161220		160925					
18	$\Sigma (M \times N)$	$\Sigma \bar{17}$			160548							