

WORK SHEET FOR STEPWISE CALCULATION

(SUBSURFACE) PRESSURE (P_f & P_s)
~~XXXXXXXXXX~~ ~~XXXXXXXXXX~~

COMPANY Corlome Grace LEASE Humble-Grace WELL NO. 1 DATE 7/28/71

LOCATION: Unit P Section 2 Township 23 S Range 26 E

L 10,616 H 10,616 L/H 1.000 G .580 % CO₂ - % N₂ - % H₂S -

d 1.995 F_1 .018231 Q_m 4.716 M^2_{ctd} (L/H) ($F_1 Q_m$)² .007398 P_{Cr} 672 T_{Cr} 330
TABLE IX & X TABLE IX & X

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		0	5308		10616						
2	GH		0	3078.64		6157.28						
3	37.5GH		0	115,449		230,898						
4	P_c or P_n		3268.2	3764.7	3756.1	4243.2	4229.7	4229.2				
5	P_r		4.86	5.60	5.59	6.31	6.29	6.29				
6	T		530	580.5	580.5	627	627	627				
7	T_r		1.51	1.66	1.66	1.79	1.79	1.79				
8	Z		.808	.889	.889	.955	.955	.955				
9	P/Z P/Z		4044.8	4234.8	4225.1	4443.1	4438.0	4428.5				
10	P/TZ		7.6317	7.2951	7.2784	7.0863	7.0638	7.0630				
11	$(P/TZ)^2 / 1000$		.058243	.053218	.052975	.050216	.049897	.049886				
12	$L/H(F_1 Q_m)^2$		.007398	.007398	.007398	.007398	.007398	.007398				
13			.065641	.060616	.060373	.057614	.057295	.057284				
14	I_n		116.264	120.349	120.557	122.996	123.288	123.298				
15	$M = P_n - P_{n-1}$			496.5	487.9	487.1	473.6	473.1				
16	$N = I_n + I_{n-1}$			236.613	236.821	243.553	243.845	243.855				
17	$M \times N$				115,545			115,368				
18	$\Sigma (M \times N)$		$\Sigma 17$		115,545			230,913				