

WORK SHEET FOR STEPWISE CALCULATION (SUBSURFACE) PRESSURE (P_f & P_s)
~~XXXXXXXXXX~~ ~~XXXXXXXXXX~~

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

COMPANY Cortinas 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_i .018231 Q_m 6.836 M²cfd (L/H) (F_iQ_m)² .015533 P_{CT} TABLE IX & X T_{CT} 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		3056.2	3598.1	3594.2	4132.0	4226.0					
5	P _r		4.55	5.35	5.35	6.15	6.14					
6	T		530	580.5	580.5	627	627					
7	T _r		1.51	1.66	1.66	1.79	1.79					
8	Z		.796	.879	.879	.949	.949					
9	P/Z P/Z		38.3 .4	4093.4	4089.0	4354.1	4347.7					
10	P/TZ		7.2442	7.0515	7.0439	6.9443	6.9361					
11	(P/TZ) ² /1000	(10) 2/1000	.052478	.049724	.049617	.048223	.048082					
12	L/H(F _i Q _m) ²		.015533	.015533	.015533	.015533	.015533					
13		I ₁ + I ₂	.068011	.065257	.065150	.063756	.063615					
14	I _n	I ₀ ÷ I ₃	106.515	108.057	108.118	108.920	109.001					
15	M=P _n -P _{n-1}			541.9	538.0	537.8	531.8					
16	N=I _n +I _{n-1}			214.572	214.633	217.038	217.119					
17	M x N	15 x 16			115,473		115,464					
18	Σ (M x N)	Σ I ₇			115,471		230,937					