

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

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

COMPANY Corinne Grace LEASE Humble-Grace WELL NO. 1 DATE 2/18/72

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

10,616 H 10,616 L/H 1.000 G .580 % CO₂ - % H₂ - % H₂S -

d 1.995 F₁ .018231 Q_m 8.152 M₂ 672 (L/H) (F₁ Q_m)² .022088 P₁ 350

$P = \frac{692,694}{618,502} + 1301.2 = 2421.2$

TABLE 1 & 2

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	E		0	5308			10616					
2	OH		0	3078.64			6157.28					
3	37.53H		0	115,449			230,898					
4	P ₁ or P _n		1301.2	1903.6	1877.7	1878.6	2455.9	2427.4				
5	P ₁		1.94	2.83	2.79	2.80	3.65	3.61				
6	T		530	578.5	578.5	578.5	627	627				
7	T ₁		1.51	1.65	1.65	1.65	1.79	1.79				
8	T		.832	.849	.850	.850	.887	.887				
9	P ₁ or P ₁ /2		1563.9	2242.2	2209.1	2210.1	2768.8	2736.6				
10	P ₁ /2		9.6	2.9508	3.8759	3.8187	4.4159	4.3646				
11	(F ₁ T ₁) ² /1000	(10) ² /1000	.008707	.015023	.014582	.014595	.019500	.019050				
12	L H(F ₁ Q _m) ²		.022088	.022088	.022088	.022088	.022088	.022088				
13		I ₁ + I ₂	.030795	.037111	.036670	.036683	.041588	.041138				
14	I _n	I ₀ + I ₃	95.821	104.441	104.137	104.146	106.182	106.097				
15	M = P _n - P _{n-1}			602.4	576.5	577.4	577.3	548.8				
16	N = I _n + I _{n-1}			200.262	199.958	199.967	210.328	210.243				
17	M x N	I ₅ x I ₆					115,460	115,381				
18	Σ (M x N)	Σ I ₇					115,460	230,841				