

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

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 I/H 1.000 G .580 % CO₂ - % H₂ - % H₂S -

$$P = \frac{692,694}{813.523} + \frac{1.995}{2193.2} \frac{F_1 \cdot 0.18231 Q_m}{M^2 G H (L/H) (F_{1Q_m})^2} P_{cut} T_{cl}$$

3044.7 350

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		0	5308		10616						
2	H		0	3078.64		6157.28						
3	57.50H		0	115,449		230,898						
4	$\frac{H}{2} \cdot \frac{P_1}{P_m}$		2193.2	2614.3	2616.8	3040.6	3044.1					
5	$\frac{H}{2}$		3.26	3.89	3.89	4.52	4.53					
6	$\frac{H}{2}$		534	580.5	580.5	627	627					
7	$\frac{H}{2}$		1.53	1.66	1.66	1.79	1.79					
8	$\frac{H}{2}$		.787	.840	.840	.896	.897					
9	$\frac{H}{2} \cdot \frac{P_1}{P_m}$		2786.8	3112.3	3115.2	3393.5	3393.6					
10	$\frac{H}{2}$		5.2187	5.3614	5.3664	5.4123	5.4124					
11	$\frac{H}{2} \cdot \frac{P_1}{P_m} \cdot \frac{2}{1000} \cdot \frac{100}{2} \cdot \frac{2}{1000}$		.027235	.028745	.028798	.029293	.029294					
12	$\frac{H}{2} \cdot \frac{H}{2} \cdot \frac{P_1}{P_m} \cdot \frac{2}{1000}$		.010837	.010837	.010837	.010837	.010837					
13			.038072	.039582	.039635	.040130	.040131					
14	$\frac{H}{2}$		137.075	135.450	135.395	134.869	134.868					
15	$\frac{H}{2} \cdot \frac{P_1}{P_m} \cdot \frac{2}{1000}$			421.1	423.6	423.8	427.3					
16	$\frac{H}{2} \cdot \frac{H}{2} \cdot \frac{P_1}{P_m} \cdot \frac{2}{1000}$			272.525	272.470	270.264	270.263					
17	$\frac{H}{2} \cdot \frac{H}{2} \cdot \frac{P_1}{P_m} \cdot \frac{2}{1000}$				115,418		115,483					
18	$\sum (M \cdot X \cdot N)$	$\sum 17$			115,418		230,901					