

WORK SHEET FOR STEPWISE CALCULATION

~~MISSOURI~~ PRESSURE
(SURFACE) (P_c & P_w)

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

LOCATION: 10,616 Section 2 Township 23 S Range 26 E

10,616 L/H 1,000 G .580 % CO₂ - 0.112 - % H₂S -

$$P = \frac{692,694}{1346,433} = 514.5 \quad P_w = 2421.2 - 514.5 = 1906.7$$

$$d = \frac{1.995 P_o^{.018231} Q_m}{8.152 M^{.2644} (L/H) (F_1 Q_m)^2} = .022088$$

$$F_{ci} = \frac{672}{350}$$

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	EL		10616	5308		0						
2	CH		6157.28	3078.64		0						
3	37.50H		230,898	115,449		0						
4	P _o or P _h		2421.2	2169.9	2166.7	1912.9	1906.1					
5	P _h		3.60	3.23	3.22	2.85	2.84					
6	P		627	578.5	578.5	530	530					
7	T _r		1.79	1.65	1.65	1.51	1.51					
8	T		.887	.840	.841	.786	.786					
9	P _o or P _h		2729.7	2583.2	2576.3	2433.7	2425.1					
10	P _o or P _h		4.3536	4.4653	4.4534	4.5919	4.5757					
11	(P _o or P _h) ² 1000 (10 ²)/1000											
12	L/H(F ₁ Q _m) ²											
13												
14	P _h		229.695	223.949	224.548	217.775	218.546					
15	M=P _h -P _{h-1}			251.3	254.5	253.8	260.6					
16	N=L _h +L _{h-1}			453.644	454.243	442.323	443.094					
17	M x N				115,605							
18	Σ (M x N)		Σ 17	230,898		115,293						