

WORK SHEET FOR STEPWISE CALCULATION
(SUBSURFACE) PRESSURE (P_f & P_s)
(SURFACE) (P_c & P_w)

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

COMPANY E.P.M.G. LEASE ALCO ST. WELL NO. 1 DATE 3-13-72

LOCATION: Unit K Section 16 Township 23-S Range 31-E

* L 12,424 H 12,424 L/H 1.000 G .612 % CO₂ % N₂ % H₂S

d 2.572 $F_1 \frac{2013.249}{Q_m}$ 1.161 M^2_{ctd} (L/H) ($F_1 Q_m$)² .000054 P_{CT} 4.71 T_{CT} 362

TABLE IX & X

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		0	6212		13,424						
2	GH		0	3802		7602						
3	37.5GH		0	142,595		285,150						
4	P_c or P_h		4063.2	4702.6	4680.5	52296.1	5256.9	(5253.8) = P_s				
5	P_r		6.06	7.01	6.98	7.89	7.83					
6	T		534	555	555	656	656					
7	T_r		1.48	1.64	1.64	1.81	1.81					
8	Z		1.844	.945	.943	1.028	1.025					
9	P/Z or P/Z		4785.7	4926.2	4963.4	5157.8	5128.7					
10	P/TZ		8.942	8.363	8.342	7.853	7.818					
11	$(P/TZ)^2/1000$		.08323	.06997	.06958	.06176	.061123					
12	$L/H(F_1 Q_m)^2$		.000054	.000054	.000054	.000054	.000054					
13			.080379	.070001	.069691	.061930	.061177					
14	I_n		111.500	119.470	119.787	127.215	127.992					
15	$M=P_n-P_{n-1}$			439.4	617.3	415.6	576.4					
16	$N=I_n+I_{n-1}$			230.970	231.787	247.002	267.574					
17	$M \times N$			102.992		143.705						
18	$\Sigma(M \times N)$			142,377								