

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

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

COMPANY Arcl Drilling Co. LEASE Hackberry Unit WELL NO. 1 DATE 3-16-74

LOCATION: Unit G Section 25 Township 19-S Range 30-E

L 11954 H 11954 L/H 1.000 G_{max} 0.800 % CO₂ 0.81 % N₂ 0.142 % H₂S -0-

d 2.441 F_r 0.010763 Q_m 0.997 M₂ cfd (L/H) (F_r Q_m)² .000093 P_{cr} 665 T_{cr} 424
TABLE IX & X TABLE IX & X

NE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		0	6000	11999							
2	GH		0	4800.0	9599.2							
3	37.5GH		0	180000	359970							
4	P _c or P _n			1143.2	1444.2	1244.2						
5	P _r		1.72	2.17	2.62							
6	T		524	588	652							
7	T _r		1.24	1.39	1.54							
8	Z		657	744	808							
9	P/2 P/Z		1740.0	1941.1	2158.7							
10	P/TZ		3.3207	3.3012	3.3108							
11	(P/TZ) ² /1000		.011027	.010898	.010962							
12	L/H(F _r Q _m) ²		.000093	.000093	.000093							
13			.011120	.010991	.011055							
14	I _n		298.624	300.355	299.484							
15	M=P _n -P _{n-1}			301.	300							
16	N=I _n +I _{n-1}			598.978	599.839							
17	M x N			180292	179952							
18	Σ (M x N)			180292	360244							