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WORK SHEET FOR STEPWISE CALCULATION

(SUBSURFACE) PRESSURE (P_f & P_s)
(SURFACE) PRESSURE (P_e & P_w)

COMPANY INTER NORTH, INC LEASE TOWNSHIP STATE CON WELL NO. #1 DATE 12-11-81

LOCATION: Unit 5 Section 32 Township 19 Range 33

L 13125 H 13125 L/H 1.000 G 1000 % CO₂ .69 % N₂ .56 % H₂S .428
d 2.001 F₁₀ 10768 Q_m .760 M₂₀₀₀ (L/H) (F₁₀ Q_m)² .000077 P_{cr} .665 T_{cr} .428

TABLE IX & X

RATE: 4

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		C	6562.5		13125						
2	GH		0	5366.13		10736.2						
3	37.5GH		0	201305		4021609						
4	P _e or P _n		2423.2	3173.0	3154.8	3004.1	3042.1					
5	P _f		3.64	4.77	4.74	5.84	5.78					
6	T		534	599.5	599.5	665	665					
7	T _r		1.65	1.40	1.40	1.55	1.55					
8	Z		.610	.747	.745	.884	.881					
9	P/ZP/Z	4+8	3072.5	4247.7	4234.6	4377.8	4361.0					
10	P/TZ	9+5	7.4391	7.0553	7.0636	6.6072	6.5571					
11	(P/TZ)2/1000 (10+2/1000)		.055339	.050202	.049894	.043624	.043006					
12	L/H(F ₁₀ Q _m) ²		.000077	.000077	.000077	.000077	.000077					
13		11+12	.055416	.050239	.049971	.043731	.043083					
14	I _n	10+13	134.239	140.920	141.353	151.084	152.214					
15	M=P _n -P _{n-1}			749	732	729	657					
16	N=I _n +I _{n-1}			275.159	275.592	292.437	293.567					
17	M x N	15x16			201.621		201.764					
18	Σ (M x N)	Σ 17			201.908		201.845					