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

Form C-122E
Adopted 9-1-65

COMPANY Manzano Oil Corp. LEASE Apple MF WELL NO. 1 DATE 4-22-86
LOCATION: Unit C Section 12 Township 17S Range 35E

L 12,935 H 12,935 L/H 1.00 G m³ 1.18 % CO₂ _____ % N₂ _____ % H₂S _____
d 1995 F_r _____ Q_m _____ M²cfd (L/H) (F_rQ_m)² _____ P_{cr} 651 T_{cr} 530

TABLE IX & X

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		12,935	6468		0						
2	GH		14,461	7231		0						
3	37.5GH		542,300	271150		0						
4	P _c or P _n		5280.4	4187.5	4164.8	3051.0	29753	2977.4	f _w = 2989.0			
5	P _r		8,111	6,443	6,440	4,668	4,57	4,57				
6	T		663	599	599	534	534	534				
7	T _r		1,25	1,13	1,13	1,01	1,01	1,01				
8	Z		1,988	1,832	1,829	1,621	1,608	1,608				
9	P/Z	4-8	5344.5	5033.1	5033.7	4911.9	4893.6	4897.1				
10	P/TZ	9-6	8,066	8,40	8,38	9,20	9,16	9,17				
11	(P/TZ) ² /1000	10-2/1000										
12	L/H(F _r Q _m) ²											
13	I ₁ + I ₂											
14	I _n	10-13	124,052	119,013	119,229	108,715	109,122	109,044				
15	M = P _n - P _{n-1}			1092	1115	1114	1189	1187				
16	N = I _n + I _{n-1}			213.1	243.3	227.9	228.4	228.3				
17	M x N	15 x 16			271150			271057				
18	Σ (M x N)	Σ 17			271150							