

2112

WORK SHEET FOR STEPWISE CALCULATION

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

Form C-122E
Adopted 9-1-85

COMPANY Manzano Oil Corp. Apple ME WELL NO. 1 DATE 4-22-86

LOCATION: Unit C Section 12 Township 17S Range 35E

L 12,935 H 12,935 LH 1.00 G MIX 1.118 % CO₂ _____ % N₂ _____ % H₂S _____

d 1.995 F_r 0.18231 Q_m .337 M²-cfd (L/H) (F_rQ_m)² .000038 P_{CT} 651 T_{CT} 530

TABLE 18 & X

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		0	6468		12,935						
2	GH		0	7231		14,461						
3	37.5GH		0	27150		542300						
4	P _c or P _n		2388.2	368.6	3554.7	4716.1	4633.6	P _s = 4666.5				
5	P _r		3.67	5856	5.46	7.34	7.12					
6	T		534	599	599	663	663					
7	T _r		1.01	1.13	1.13	1.35	1.25					
8	Z		1.493	739	729	911	901					
9	P/Z	4-8	4844.2	486.7	4876.2	5176.8	5142.6					
10	P/TZ	9-6	9.072	8.175	8.141	7.808	7.756					
11	(P/TZ) ² /1000	(10-2/1000)	18.9293	0.66827	0.66368	0.60968	0.60168					
12	L/H(F _r Q _m) ²		1000038	1000038	1000038	1000038	1000038					
13		11-12	1082.331	1066865	1066306	1061006	1060306					
14	I _n	10-13	110.184	122.258	122.772	127.990	128.837					
15	M=P _n -P _{n-1}			12.30	1166	1161	1079					
16	N=I _n +I _{n-1}			232.4	232.9	250.8	251.6					
17	M x N	15x16			271749		271464					
18	Σ(M x N)	Σ17			270551		270835					

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