

(3)

WORK SHEET FOR STEPWISE CALCULATION

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

COMPANY WATERBOTH 100 LEASE Tomato State Perm WELL NO. 1 DATE 12-11-81

LOCATION: Unit 3 Section 32 Township 19 Range 33

13125 H 13125 L/H 1000 G.M.A. 512 % CO₂ 1.49 % N₂ 15.62 % H₂S NIL

d 2.441 F₁ 201205 Q_m 0 M²cd (L/H) (F₁Q_m)² 0 P_{ci} 165 T_{ci} 428

TABLE IX & X

Rate 1, 3

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		13125	5262.5		0						
2	GH		10136.2	8368.1		0						
3	37-SGH		202109	201205		0						
4	P _c or P _n		4374.5	3646.9	3622.9	2876.1	2827.0	2830.7	(P _{ci} 2831.5)			
5	P _r		6158	5149	5145	4132	4125	4126				
6	T		665	599.5	599.5	530	530	530				
7	T _r		1.55	1.40	1.40	1.25	1.25	1.25				
8	Z		1910	1790	1788	1656	1651	1652				
9	P/Z P/Z	4÷8	4807.1	4616.3	4588.9	4384.3	41342.6	3341.6				
10	P/TZ	9÷6	1.22808	7.7003	7.67020	8.2103	8.13223	8.13035				
11	(P/TZ) ² /1000	(10) 2/1000										
12	L/H(F ₁ Q _m) ²											
13		I1+I2										
14	I _n	I0-I3	138.536	129.865	130.356	121.758	122.917	122.996				
15	M=P _n -P _{n-1}			727.590	750.575	747.889	796.891	793.894				
16	N=I _n +I _{n-1}			268.201	269.654	252.154	253.303	253.352				
17	M x N	I5xI6			201674			200957				
18	Σ (M x N)	Σ I7			200934			201652				