

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

COMPANY Grace Petro. Co. LEASE East Smith Ranch WELL NO. 205 DATE 7-20-82

LOCATION: Unit 13237 Section 12 Township 20S Range 33E

L 13237 H 13237 L/H 1000 G.m_x 843 % CO₂ 100.2 % N₂ 1.091 % H₂S _____

d 1995 F_r 21823 Q_m 526 M²acid (L/H) (F_rQ_m)² 1000091 P_{CF} 664 T_{CF} 438

TABLE IX & X

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		0	6614.5		13237						
2	G.H		0	5599.4		11158.8						
3	37.SCH		0	209227		418424						
4	P ₀ or P _n		2645.2	3501.5	3424.8	4301.3	4553.3					
5	P _f		3.98	5.27	5.23	6.48	6.41					
6	T		534	600	600	666	666					
7	T ₁		1.22	1.37	1.37	1.52	1.52					
8	Z		.606	.760	.757	.891	.887					
9	P/2 P/2	F-8	4365.0	4607.2	4590.2	4827.5	4795.2					
10	P/2 Z	9-5	8.174188	7.67872	7.650403	7.248452	7.20002					
11	(P/TZ) ² /1000	10-2/1000	.066817	.058962	.058528	.052540	.051840					
12	L/H(F _r Q _m) ²		.000091	.000091	.000091	.000091	.000091					
13		11-12	.066908	.059053	.058619	.052631	.051931					
14	I _n	10-13	122.169	130.029	130.509	137.722	138.645					
15	M=P _n -P _{n-1}			856	830	826	778					
16	N=I _n +I _{n-1}			252.198	252.678	268.231	269.154					
17	M x N	15x16		209625			209547					
18	Σ(M x N)	Σ17		208829			208906					