

WORK SHEET FOR STEPWISE CALCULATION

(SUBSURFACE)
PRESSURE (P₁ & P_s)

(SUBSURFACE)
PRESSURE (P₁ & P_s)

4th

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

COMPANY Gulf Oil Expl. & Prod. Lease Marquardt Fed. WELL NO. 3 DATE 3-21-83

LOCATION: Unit Section 12 Township 25s Range 26e

L 11,182 H 11,182 L/H 1.000 G 5766 % CO₂ 1.200 % N₂ .337 % H₂S

d 1.995 F₀ 0.1823 Q_m 7.775 M² cfd (L/H) (F_r Q_m)² .020092 P_{cr} 672 T_{cr} 350

TABLE 11.6.3

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		0	5591		11182						
2	GH		0	3223.8		6447.5						
3	37.5GH		0	120.891		241.782						
4	P _c or P _n		2573.2	3144.8	3143.5	3713.5	3712.8					
5	P _r		3.83	4.69	4.68	5.53	5.53			Ps-3712.1		
6	T		534	590	590	646	646					
7	T _r		1.53	1.69	1.69	1.85	1.85					
8	Z		.773	.868	.869	.929	.929					
9	P/Z P/Z	4-8	3328.8	3623.1	3617.4	3997.3	3996.6					
10	P/TZ	9-6	6.2338	6.1408	6.1311	6.1878	6.1867					
11	(P/TZ) ² /1000 (10-2/1000)		.038860	.037709	.037591	.038289	.038275					
12	L/H(F _r Q _m) ²		.020092	.020092	.020092	.020092	.020092					
13		11+12	.058952	.057801	.057683	.058381	.058367					
14	I _n	10-13	105.744	106.240	106.290	105.990	105.996					
15	M=P _n -P _{n-1}			572	570	570	569					
16	N=I _n +I _{n-1}			211.984	212.033	212.280	212.286					
17	M x N	15x16			120919		120866					
18	Σ (M x N)	Σ 17			120863							