

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

COMPANY Gulf Oil Explor. & Prod. Lease Marguardt Fed. WELL NO. 3 DATE 3-21-83

LOCATION: Unit L 11,182 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 F_r 0.1823 D_m 0 M²ctd (L/H) (F_rQ_m)² 0 P_{cr} 672 T_{cr} 350

TABLE IS 8.2

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		11182	5591		0						
2	GH		6447.5	3223.8		0						
3	37.5GH		241,782	120,891		0						
4	P _c or P _n		4290.9	3873.6	3863.7	3437.6	3408.3	3409.6				
5	P _r		6.39	5.76	5.75	5.12	5.07	5.07				
6	T		646	590	590	534	534	534				
7	T _r		1.85	1.69	1.69	1.53	1.53	1.53				
8	Z		.962	.907	.907	.815	.813	.813				
9	P/Z P/Z	4-8	4460.4	4270.7	4259.9	4217.9	4192.2	4193.8				
10	P/TZ	9-6	6.9046	7.2385	7.2201	7.8986	7.8506	7.8536				
11	(P/TZ) ² /1000	(10) 2/1000										
12	L/H(F _r Q _m) ²											
13	I _n	I ₁ +I ₂										
14	M=P _n -P _{n-1}	I ₀ +I ₃	144.832	138.151	138.502	126.605	127.378	127.330				
15	N=I _n +I _{n-1}			417	427	426	455	454				
16	M x N			282.982	283.334	265.107	265.881	265.833				
17	Σ(M x N)	I ₅ x I ₆			121041			120719				
18		Σ I ₇			120741							