

WORK SHEET FOR STEPWISE CALCULATION (SUBSURFACE) PRESSURE (P_f & P_s)
(SURFACE) 3rd

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

COMPANY Gulf Oil Corp. LEASE Jentini Federal Comm WELL NO. #1 DATE 6/19/81

LOCATION: Unit K Section 9 Township 23S Range 28E

L 12240 H 12240 L/H 1.000 G .5787 % CO₂ 1.007 % N₂ .288 % H₂S

d 1.995 F_r 0.1823 M 0 M₂ cfd (L/H) (F_r Q_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		12240	6120		0						
2	GH		7083.3	3541.6		0						
3	37.5GH		265623	132812		0						
4	P _c or P _n		4338.9	3892.1	3877.1	3416.5	3379.2	3381.3		P _w =	3383.5	
5	P _r		6.46	5.79	5.77	5.08	5.03	5.03				
6	T		656	595	595	534	534	534				
7	T _r		1.87	1.70	1.70	1.53	1.53	1.53				
8	Z		.983	.909	.908	.813	.811	.811				
9	P/Z P/Z		4413.9	4281.7	4269.9	4202.3	4166.8	4169.2				
10	P/TZ		6.7286	7.1962	7.1763	7.8695	7.8029	7.8076				
11	(P/TZ) ² /1000	(10) ² /1000										
12	L/H(F _r Q _m) ²											
13		I ₁ + I ₂										
14	I _n	I ₀ ÷ I ₃	148.619	138.961	139.348	127.073	128.158	128.080				
15	M = P _n - P _{n-1}			447	462	461	498	496				
16	N = I _n + I _{n-1}			287.580	287.966	266.421	267.506	267.428				
17	M x N	15 x I ₆			132990			132594				
18	Σ (M x N)	Σ I ₇			132633							