

WORK SHEET FOR STEPWISE CALCULATION

(SUBSURFACE) PRESSURE (P_f & P_s) 3 rd.
(SURFACE)* (P_g & P_w)

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

COMPANY GULF OIL CORP. LEASE VANDIVER FED. COM. WELL NO. # 1 DATE 9-17-79

LOCATION: Unit K Section 33 Township 18 S Range 32 E
1 12820 H 12820 L/H 1.000 G mix 964 % CO₂ .56 % N₂ .30 % H₂S .09

d 1.995 F_r 0.018231 1.307 M₂cf (L/H) (F_rQ_m)² .000567 P_{ci} 670 T_{cr} 375

TABLE IX & X

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		0	6410		12820						
2	SH		0	6179.24		12358.48						
3	3.000		0	231.722		463.443						
4	P ₁		3133.2	4057.7	4038.6	4941.7	4915.0		Ps =	4909		
5	P ₂		4.68	6.06	6.03	7.38	7.34					
6	P ₃		534	598	598	662	662					
7	P ₄		1.42	1.59	1.59	1.77	1.77					
8	P ₅		1.742	.895	.893	1.004	1.003					
9	P ₆ P ₇	4.8	4222.6	4533.7	4522.5	4922.0	4900.3					
10	P ₈ T ₂	9.6	7.9076	7.5815	7.5627	7.4351	7.4023					
11	(P ₁ /T ₂) ² /1000 (Q ₁) ² /1000		.062529	.057478	.057194	.055280	.054794					
12	L/H (F _r Q _m) ²		.000567	.000567	.000567	.000567	.000567					
13	I ₁ + I ₂		.063096	.058045	.057761	.055847	.055361					
14	I _n		125.325	130.612	130.930	133.132	133.710					
15	M = P _n - P _{n-1}			924	905	903	876					
16	N = I _n + I _{n-1}			255.937	256.255	264.062	264.640					
17	M x N				232.010		231.939					
18	Σ (M x N)				231.433							

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