

WORK SHEET FOR STEPWISE CALCULATION

(SUBSURFACE) PRESSURE (P_f & P_s)
(SURFACE) (P_c & P_w)

COMPANY Jake L. Hamon LEASE Amerada Federal WELL NO. 1 DATE 8/27/66

LOCATION: Unit N Section 17 Township 20 S Range 36 E

L 10999 H 10999 L/H 1.000 G .870 % CO₂ 0.4 % N₂ 0.0 % H₂S 0.0

d 1.995 F_r .018231 Q_m 3.966 M²ctd (L/H) (F_rQ_m)² .005227 P_{ct} 663 T_{ct} 448

TABLE IX & X

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		0	5499		10,999						
2	GH		0	4784.13		9569.13						
3	37.5GH		0	179,405		358,842						
4	P _c or P _n		4592.2	5499.2	5493.2	6394.2	6383.2					
5	P ₁		6.93	8.29	8.29	9.64	9.63					
6	T		544	581	581	618	618					
7	T _r		1.21	1.30	1.30	1.38	1.38					
8	Z		.883	1.003	1.003	1.112	1.111					
9	P/Z P/Z		5200.7	5482.8	5476.8	5750.2	5745.5					
10	P/TZ		9.5601	9.4368	9.4265	9.3045	9.2969					
11	(P/TZ) ² /1000	(10) ² /1000	.091396	.089053	.088859	.086574	.086432					
12	L/H(F _r Q _m) ²		.005227	.005227	.005227	.005227	.005227					
13		I ₁ + I ₂	.096623	.094280	.094086	.091801	.091659					
14	I _n	I ₀ + I ₃	98.942	100.093	100.190	101.355	101.429					
15	M = P _n - P _{n-1}			907	901	901	890					
16	N = I _n + I _{n-1}			199.035	199.132	201.545	201.619					
17	M x N	I ₅ x I ₆			179,418		179,441					
18	Σ (M x N)	Σ I ₇			179,418		358,859					