

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

COMPANY Jake L. Hamon

LEASE Amerade 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 .890

% CO₂ 0.4

% N₂ 0.0

% H₂S 0.0

$$P = \frac{1.995 F_{\text{d}}}{1.101, 276} Q_m = 5.447 M_{\text{std}}^2 (L/H) (F_{\text{r}} Q_m)^2 = 0.009860 P_{\text{cr}} \text{ TABLE IX \& X}$$

$$P_w = 6258.2 - 1720.0 = 4538.2$$

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		10,999	5499		0						
2	GH		9789.11	4894.11		0						
3	37.5GH		367,092	183,529		0						
4	P _c or P _n		6258.2	5412.2	5405.2	4552.2	4538.2	4539.2				
5	P _i		9.45	8.18	8.16	6.88	6.86	6.86				
6	T		618	581	581	544	544	544				
7	T _r		1.36	1.28	1.28	1.20	1.20	1.20				
8	Z		1.099	.994	.992	.879	.878	.878				
9	P/Z P/Z	4 ÷ 8	5694.4	5444.9	5448.8	5178.8	5168.8	5169.9				
10	P/TZ	9 ÷ 6	9.2142	9.3716	9.3783	9.5199	9.5015	9.5035				
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	108.528	106.705	106.629	105.043	105.247	105.224				
15	M = P _n - P _{n-1}			846	853	853	867	866				
16	N = I _n + I _{n-1}			215.233	215.157	211.672	211.876	211.853				
17	M x N	I ₅ x I ₆			183,529			183,465				
18	Σ (M x N)	Σ I ₇	367,092		183,563							