

WORK SHEET FOR STEPWISE CALCULATION

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

COMPANY Jake L. Hamon LEASE Union State WELL NO. 1 DATE 8/1/66

LOCATION: Unit H Section 30 Township 20 S Range 36 E

L 11178 H 11178 L/H 1.000 G .666 % CO₂ 0 % N₂ 0 % H₂S 0

$$d = \frac{2.441}{837,513} \cdot 0.010763 \cdot Q_m = 2.720 \cdot M^2 \cdot d \cdot (L/H) \cdot (F \cdot Q_m)^2 = 0.060857 \cdot P_{ci} \cdot \frac{10^6}{100000000} \cdot 378$$

$$P = \frac{2.441}{837,513} = 1092.3 \quad P_w = 4413.2 - 1092.3 = 3320.9$$

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		11178	5589		0						
2	GH		7444.55	3722.27		0						
3	37.5GH		279,171	139,585		0						
4	P _c or P _n		4413.2	3866.2	3867.2	3320.2						
5	P _i		6.59	5.77	5.77	4.96						
6	T		609	576.5	576.5	544						
7	T _i		1.61	1.53	1.53	1.44						
8	Z		.924	.858	.858	.779						
9	P/Z P/Z	4±8	4776.2	4506.1	4507.2	4262.1						
10	P/TZ	9±6	7.8427	7.8163	7.8182	7.8347						
11	(P-TZ)/2/1000	(10) 2/1000										
12	L/H(F·Q _m) ²											
13		I ₁ + I ₂										
14	I _n	I ₀ - I ₃	127.507	127.938	127.907	127.637						
15	M·P _n ·P _{n+1}			547	546	547						
16	N·I _n + I _{n+1}			255.445	255.414	255.544						
17	M·X·N	I ₅ × I ₆			139,456	139,783						
18	Σ(M·X·N)	Σ I ₇	279,171		139,715							

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