

WORK SHEET FOR STEPWISE CALCULATION
(SUBSURFACE)
(SURFACE)

PRESSURE
(P_f & P_s)
(P_c & P_w)

3-0 Shuman Co
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3x320,991
196,150.4 (36,117) + 120,400

961,973
815,330

= 1181.1

= 4159.2 - 1181.1

= 2978.1

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		12056					0				
2	GH		8559.76					0				
3	37.5GH		320,991					0				
4	P_c or P_h		4159.2	3581.2	3570.2			2950.2	2916.2	2913.1	2920.2	
5	P_f		634	537	535			447	437	435	430	
6	T		652	589				520				
7	T_f		1.68	1.50				1.33				
8	Z		.924	.822	.827			.696	.693	.693	.693	
9	P/Z	7.8	4561.3	4225.1	4317.0			4230.8	4208.1	4211.0	4213.9	
10	P/TZ	9.6	5.3409	7.3431	7.3294			8.1515	8.0915	8.0881	8.1036	
11	$(P/TZ)^2/1000$	$(9.6/1000)$	—									
12	$L/H(TQ_m)^2$		—									
13		$11+12$	—									
14	I_h	$10+13$	146130	136132	136437	136577		127.677	127.571	127.557	128.407	
15	$M P_h^{-1} h^{-1}$		549	578	589	589		620	639	659	650	
16	$(h)_h + h^{-1}$			272.308	272.619	272.870		255.849	246.208	257.057	246.888	
17	MZH	$15+16$				160,773						
18	$\sum (MZH)$	$\sum 17$										

COMPANY _____ LEASE _____ WELL NO. _____ DATE _____
LOCATION: Unit _____ Section _____ Township _____ Range _____
L _____ H _____ L/H _____ G _____ %CO₂ _____ %N₂ _____ %H₂S _____
d _____ F₁ _____ Q_m _____ M²cd (L/H) (TQ_m)² _____ P_{cr} TABLE IX & X T_{cr} TABLE IX & X

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MAY 2 1972

OIL CONSERVATION COMM.
HOBBS, N. M.