

II

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

(SUBSURFACE)
PRESSURE (P_c & P_w)

(SURFACE)
PRESSURE (P_c & P_w)

WORK SHEET FOR STEPWISE CALCULATION

COMPANY The Production Lease Williamson Fed. "A" WELL NO. 3 DATE 6-27-84

LOCATION: Unit B Section 9 Township 20S Range 29E

L 11.395 H 11.395 LH 1.00 G 11.395 % CO₂ .636 % N₂ .303 % H₂S 408

d — F_r — Q_{in} — M²cld (L/H) (F_rQ_m)² — P_{cr} 669 T_{cr} 408

TABLE 12 & 2

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		11.395	5698		0						
2	GH		8637	4319		0						
3	37.5CH		323903	161951		0						
4	P _c or P _n		3389.4	2891.1	29232	2452.2	248.4	2420.7	P _w =	2451.1		
5	P _r		5.09	4.33	4.38	3.68	3.63	3.63				
6	T		648	591	591	534	534	534				
7	T _r		1.59	1.59	1.59	1.31	1.31	1.31				
8	Z		1850	1825	1826	1.640	1.638	1.638				
9	P/2 P/Z	4-8	35876	3504.4	3539.0	3831.6	3250.6	3794.3				
10	P/TZ	9-5	6.154	5.408	5.461	7.175	7.100	7.105				
11	(F/TZ) 2/1000 (P/2 P/Z)											
12	L/H (F _r Q _m) ²											
13	I _n	11 + 12										
14	I _n	10-13	162507	184911	183101	139367	140.875	140.738				
15	M = P _n - P _{n-1}			498	466	471	505	502				
16	N = I _n + I _{n-1}			347.4	345.6	322.5	323.9	323.8				
17	M x N	15 x 16			161107			162728				
18	Σ (M x N)	Σ 17			162796							