

WORK SHEET FOR STEPWISE CALCULATION

(SUBSURFACE) PRESSURE (P_i & P_s)
(SURFACE) (P_e & P_w)

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

COMPANY The Production Co. 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 L/H 1.00 G MIX. 758 % CO₂ .636 % N₂ .303 % H₂S 408

d 1.995 F_r .0823 Q_m 1.042 M²cfd (L/H) (F_rQ_m)² 1000361 P_{cr} 667 T_{cr} 408

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		0	5698		11,395						
2	GH		0	4318.7		8637						
3	37.5GH		0	161951		323,903						
4	P _e or P _n		2333.2	2896.4	2878.6	3421.4	3393.9		P _s = 3389.4			
5	P _r		3.50	4.34	4.32	5.13	5.09					
6	T		534	591	591	648	648					
7	T _i		1.31	1.45	1.45	1.59	1.59					
8	Z		1.633	1.757	1.756	1.851	1.850					
9	P/Z P/Z	7-8	3685.9	3826.1	3807.7	4020.4	3992.7					
10	P/T Z	9-8	6.903	6.474	6.443	6.204	6.162					
11	(P/T Z) ² /1000	10-9, 2/1000	10476.45	10419.12	10415.10	10384.94	10379.66					
12	L/H (F _r Q _m) ²		1000361	1000361	1000361	1000361	1000361					
13	I _n	11 + 12	1048006	1043273	1041871	1038855	1038327					
14	I _n	10-13	143.785	153.146	153.874	159.680	160.765					
15	M = P _n - P _{n-1}			563	545	543	515					
16	N = I _n + I _{n-1}			296.9	292.7	313.554	314.6					
17	M x N	15 x 16			162348		169114					
18	Σ (M x N)	Σ 17			161555							