

WORK SHEET FOR STEPWISE CALCULATION

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

ANY Williamson Gas Service Co. LEASE Brownie Step WELL NO. 1 DATE 6-11-75
 SECTION 20 TOWNSHIP 23S RANGE 33E
 UNIT G SECTION 20 TOWNSHIP 23S RANGE 33E
 L/H 1.0 G 575 % CO₂ 0 % N₂ 0
 d 0 m 0 M² cfd (L/H) (F₀)² 0 P_{cr} 672 T_{cr} 250

ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
P _c or P _n		8574.2	7714.4	7696.7	7678.5	6733.8	6764.2	6743.5			
P _r		12.76	11.48	11.45	11.43	10.09	10.07	10.03			
T		655	598	598	598	540	540	540			
I _r		1.87	1.71	1.71	1.71	1.54	1.54	1.54			
Z		1.288	1.219	1.217	1.216	1.136	1.134	1.132			
O/2 P/2		4 ÷ 8	6656.9	6328.5	6324.3	6314.5	5971.6	5957.2			
P ₁		9 ÷ 6	10.163	10.591	10.584	10.565	11.02	11.02			
(P/T) ² / 1000		(10 ² / 1000)									
L/n(F ₀) ²											
n		11 ÷ 12									
n ² - P ₁		10 ÷ 13									
n ² - P ₁			98.392	94.413	94.476	94.622	90.426	90.515	90.606		
n ² - P ₁				860	877	896	895	914	935		
n ² - P ₁				196.785	192.806	188.826	189.095	185.024	185.955		
n ² - P ₁											
Σ (n ² × H)		15 × 16									
Σ (n ² × H)		17									

1015105 = 1788.6 = 8574.2 - 1788.6 = 6755.6
 3 (338363)
 98293 + 0.94455 = 567.526