

WORKSHEET FOR CALCULATION OF STATIC COLUMN WELLHEAD PRESSURE (P_w)

C-122D
Revised 9-1-65

COMPANY

YPC

LEASE

Federal AR Co.

WELL NO.

4

DATE

10-26-81

LOCATION: Unit

TB

Section

30

Township

12

Range

25E

138227325
214954835
3517304
7322 (60089) - 99 dec

H (228227325 L/H
24513 F₁ 600765

G 0.6571 GH 4846.0775

% CO₂ 2.77

% N₂ 1.39

% H₂S Nil

P_{CT} 758.5

T_{CT} 347.6

TABLE IX A. 1

LINE	SI	I	I						
1 C ₁	-	0.143	0.143						
2 T ₁ (T ₁ /T _{cr})	52.5	53.5							
3 T ₂ (T ₂ /T _{cr})	600	599							
4 T ₃ (T ₃ /T _{cr})	562.5	567	567						
5 T ₄ (T ₄ /T _{cr})	0.722	.947	.949						
6 T ₅ (T ₅ /T _{cr})	110.175	536.949	532.196						
7 T ₆ (T ₆ /T _{cr})	11.8145	9.62507	9.60115						
8 T ₇ (T ₇ /T _{cr})	1.55743	1.46276	1.46166						
9 T ₈ (T ₈ /T _{cr})		0.2871	0.2866						
10 T ₉ (T ₉ /T _{cr})	1822.2	2932	2932						
11 T ₁₀ (T ₁₀ /T _{cr})	3338.7	8597	8597						
12 T ₁₁ (T ₁₁ /T _{cr})	6.44304	0.33304	0.33376						
13 T ₁₂ (T ₁₂ /T _{cr})		5.2433	5.2555						
14 T ₁₃ (T ₁₃ /T _{cr})		0.750	0.7515						
15 T ₁₄ (T ₁₄ /T _{cr})		0.562	0.565						
16 F ₁ = L ₁ H ₁ /(F ₁ Q ₁) ^{1/2} (e ^{-S})		0.16	0.16						
17 B ₁ = L ₁ H ₁ /(F ₁ Q ₁) ^{1/2} + F ₁		86.13	86.13						
18 P ₁ = 2.5 P ₁ + F ₁	52.60	126.8	126.7						
19 P ₂ = (P ₁ ² + P _s ²) ^{1/2}	2230.2	347.6	347.5						
20 P = (P ₁ ² + P _s ²) ^{1/2}	2653.7	320.4	320.3						
21 P _r = (P/P _{cr})	2.708	6.422	6.422						
22 T _r = (T/T _{cr})	1.4147	1.426	1.426						
23 Z (Table XI)	0.7292	0.9492	0.9492						