

WORKSHEET FOR CALCULATION OF STATIC COLUMN WELLHEAD PRESSURE (P_w)

C-122D
Adopted 9-1-65

COMPANY YPC LEASE Fadetan 8M Can WELL NO. 1 DATE 10-3-75

LOCATION: Unit 0 Section 25 Township 17-S Range 25-E

L 8310 H 87.7103 L/H 1.00 G 0.644 % CO₂ 0.34 % N₂ 0.35 % H₂S N.I.
 4- 8156' (0.010762) = 87.7103 0.4094 F_r 0.016606 GH 5351.6 P_{ci} 691 T_{ci} 392
 160' (0.002684) 88.1397 0.161 TABLE IX & X TABLE IX & X

LINE	0	1	2	3	4	5	6	7	8	9
1 Q _m	59	4.831	7.301	9.664	13.698	5.5				
T _w (W.H. °R)	538	537	538	539	538					
3 T _s (B.H. °R)	598	563	556	549	542					
4 T = (1 _w + 1 _s)	568	550	547	544	540	5.68	550	547	544	540
5 Z (Est.)	.790	.765	.760	.760	.760	.789	.764	.761	.759	.761
6 TZ	448.92	420.75	415.92	413.44	410.40	448.152	420.20	416.267	412.896	410.900
7 GH/TZ	11.926	12.719	12.873	12.944	13.040	11.911	12.736	12.856	12.961	13.023
8 e ^s (Table XIV)	1.564	1.611	1.621	1.625	1.627	1.565	1.612	1.620	1.626	1.629
9 1-e ^s (Table XIV)		0.399	.524	.385	.386		.380	.384	.386	.386
10 P _t	1831.2	1735.2	1654.2	1548.2	1289.2	1831.2	1735.2	1654.2	1548.2	1289.2
11 P _t 2/1000	3353.3	3010.9	2736.4	2396.9	1662.0	3353.3	3010.9	2736.4	2396.9	1662.0
12 F _t (Table XV)										
13 F _c = F _t TZ		4.4625	4.4091	4.3849	4.3527	4.7534	4.4566	4.4149	4.3792	4.3584
14 F _c Q _m		21.558	32.191	42.376	59.623		21.530	32.233	42.320	59.702
15 L/H (F _c Q _m) ²		464.8	1036.3	1795.7	3557.9		463.5	1039.0	1791.0	3564.3
16 F _w = L/H (F _c Q _m) ² (1-e ^s)		176.1	397.9	691.4	1372.2		176.1	399.0	691.3	1375.8
17 P _w = P _t 2 + F _w		3189.0	3134.3	3088.3	3034.2		3189.0	3135.4	3088.2	3037.8
18 P _s = e ^s P _w 2	5244.6	5134.3	5080.7	5018.4	4936.9	5247.9	5137.5	5079.3	5021.5	4942.5
19 P _s	2290.1	2265.9	2254.0	2240.2	2221.9	2290.8	2266.5	2253.7	2240.9	2223.2
20 P = (1 _w + 1 _s)	2060.6	2000.6	1954.1	1894.2	1755.5	2061.0	2000.9	1954.0	1894.5	1756.2
21 P _r = (P/P _{ci})	3.071	2.981	2.912	2.823	2.616	3.072	2.982	2.912	2.823	2.617
22 T _r = (T/T _{ci})	1.5269	1.4785	1.4704	1.4624	1.4516	1.5269	1.4785	1.4704	1.4624	1.4516
23 Z (Table XI)	0.789	.764	.761	.759	.768	0.789	0.764	0.761	0.759	0.761