

WORKSHEET FOR CALCULATION OF STATIC COLUMN WELLHEAD PRESSURE (Form C-122D)

COMPANY: Jack Huff LEASE: Meyer A-29 A/C 1 WELL NO.: 11 DATE: 2-22-94
 LOCATION: Unit: 6 Section: 29 Township: 22-S Range: 36-E
 L = 3153' H = 3153' L/H = 1.0 G = .7568 XCD2 = 3.9 XN2 = 3.9 XH2S =
 d = 1.995 Fr = .018231 GH = 2386 Pcr = 681 Tcr = 399

1ST RATE 2ND RATE 3RD RATE 4TH RATE

LINE	1ST TRIAL	2ND TRIAL	1ST TRIAL	2ND TRIAL	1ST TRIAL	2ND TRIAL	1ST TRIAL	2ND TRIAL
1 Qm	0.157	0.157	0.279	0.279	0.422	0.422	0.576	0.576
2 Tw (W.H °R)	524	524	524	524	524	524	524	524
3 Ts (B.H °R)	557	557	557	557	557	557	557	557
4 T = (Tw + Ts)/2	540.5	540.5	540.5	540.5	540.5	540.5	540.5	540.5
5 Z (Est.)	0.980	0.962	0.964	0.965	0.964	0.969	0.970	0.975
6 TZ	529.7	520.0	521.0	521.6	521.0	523.7	524.3	527.0
7 GH/TZ	4.505	4.589	4.580	4.575	4.580	4.556	4.551	4.528
8 e^s (Table IX)	1.184	1.188	1.187	1.187	1.187	1.186	1.186	1.185
9 1-e^-s (Table IX)	0.155	0.158	0.158	0.158	0.158	0.157	0.157	0.156
10 Pt	170.2	170.2	156.2	156.2	135.2	135.2	100.2	100.2
11 Pt^2/1000	29.0	29.0	24.4	24.4	18.3	18.3	10.0	10.0
12 Fr (Table XV)	0.018231	0.018231	0.018231	0.018231	0.018231	0.018231	0.018231	0.018231
13 Fc = FrTZ	9.657	9.479	9.499	9.509	9.499	9.548	9.558	9.608
14 FcQm	1.51	1.48	2.65	2.65	4.01	4.03	5.51	5.54
15 L/H(FcQm)^2	2.3	2.2	7.0	7.0	16.1	16.3	30.3	30.6
16 Fw=L/H(FcQm)^2(1-e^-s)	0.36	0.35	1.11	1.11	2.54	2.55	4.76	4.79
17 Pw^2 = Pt^2 + Fw	29.3	29.3	25.5	25.5	20.8	20.8	14.8	14.8
18 Ps^2 = e^sPw^2	34.7	34.8	30.3	30.3	24.7	24.7	17.6	17.6
19 Ps	186.3	186.6	174.0	174.0	157.2	157.2	132.5	132.6
20 P = (Pt + Ps)/2	178.3	178.4	165.1	165.1	146.2	146.2	116.3	116.4
21 Pr = P/Pcr	0.26	0.26	0.24	0.24	0.21	0.21	0.17	0.17
22 Tr = T/Tcr	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35
23 Z (Table XI)	0.962	0.962	0.965	0.965	0.969	0.969	0.975	0.975