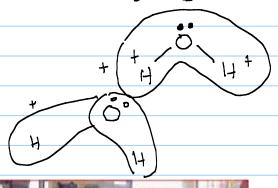
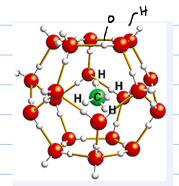


Natual gas

Hydrates_

when T





9 Å

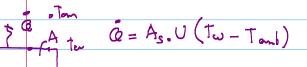
CH4 C2 H6

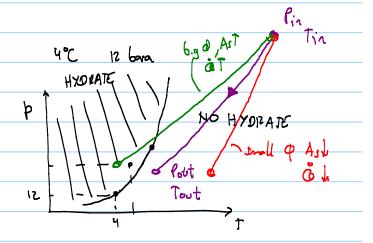
C3 Hy CO2 Nz

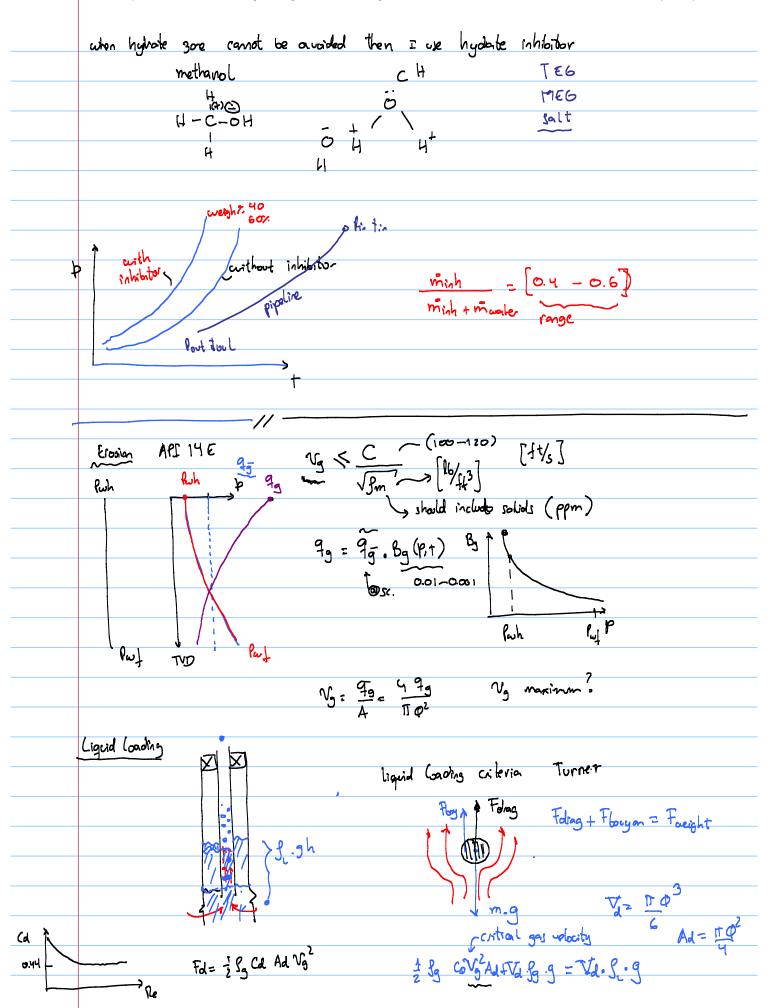


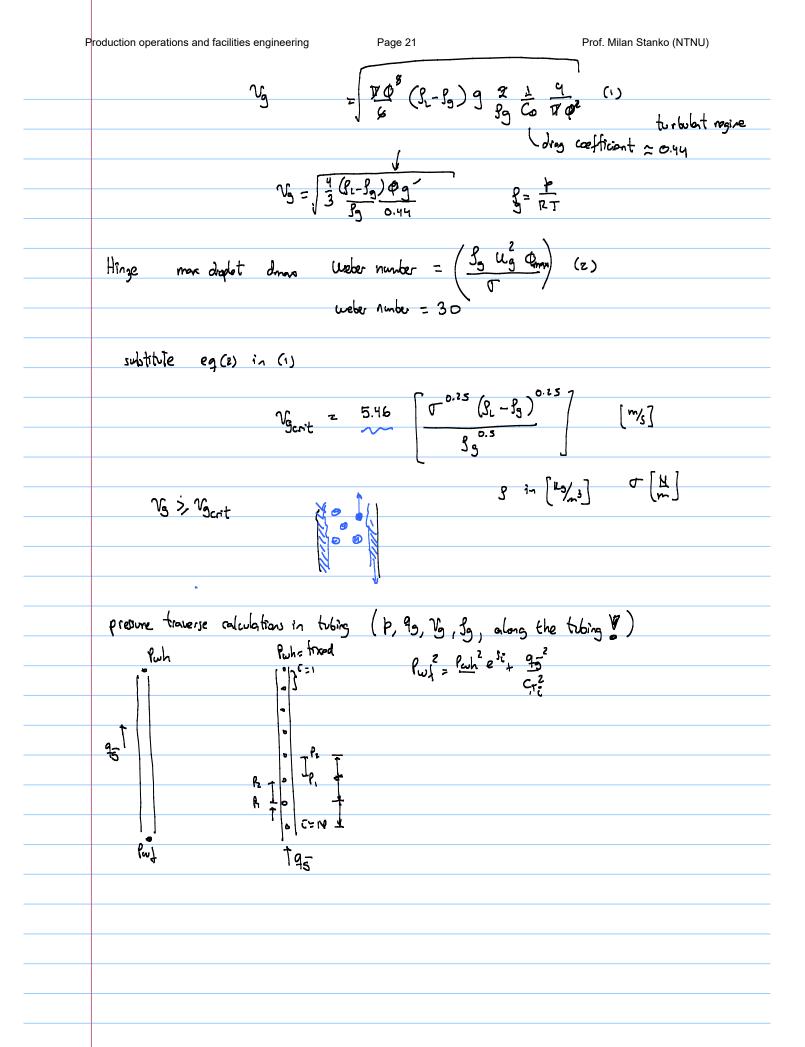
- · small HC molecules (CH4, C2H6, H3H8)
- · five water (liquid)
- · IT tp











Gas gravity	0.55										
Twf [K]	378										
Twh [K]	360										
pR [bara]	304										
friction factor [-]	0.012										
qg [Sm^3/d]	2.85E+06										
liquid density [kg/m^3]	8.97E+02	E-res			- <u>-</u>	-			_		100 F 100 F 100 F 100 F
TVD	Т	Tav	passumed	Pav	Zav	S	Ct	р	Z	Bg	qg_local
[m]	[K]	[K]	[bara]	[bara]	[-]	[-]	[Sm^3/bar]	[bara]	[-]	[m^3/Sm^3]	[m^3/d]
0		360.9	40.0	43.3	0.966	0.031		40.0	0.9678		8.71E+0
284		362.7	46.5	49.5	0.962	0.031		46.4	0.9642		
567		364.5	52.5	55.2	0.960	0.030		52.1	0.9612		
851		366.3	58.0	60.5	0.958	0.030		57.5	0.9589	0.021	
1135		368.1	63.1	65.6	0.956	0.030		62.5	0.9570		
1418	369.0	369.9	68.1	70.4	0.954	0.030	1.29E+05	67.3	0.9554		
1702	370.8	371.7	72.8	75.1	0.953	0.030	1.28E+05	71.9	0.9542	0.017	4.92E+0
1986		373.5	77.4	79.6	0.952	0.030		76.4	0.9532		4.65E+0
2269		375.3	81.9	84.1	0.952	0.030		80.8	0.9524		
2553		377.1	86.2	88.4	0.951	0.030		85.1	0.9519	0.015	
2837			90.5			2.333	2.222.03	89.3	0.9516		
	370.0		50.5					05.5	0.5510	0.014	4.03210