2 Input data

2.1 Field and production parameters

			User	Default	Units	User reference	Default reference	Notes
2.1.1	Product crude							
2.1.1.1	Crude location		Generic	Generic	NA			
2.1.1.2	Crude name		Generic	Generic	NA			
2.1.1.3	API		30.0	30.0	[-]			
2.1.1.4	Specific gravity		0.9	0.9	[-]		Manning, F., and Thompson, R. (1995), p. 20	
2.1.1.5	Sulfur		2.0	2.0	wt%			
2.1.1.6	Production volume		1500	1500	bbl/d			
2.1.2	Associated gas							
2.1.2.1	Gas composition	N_2	2.3	2.0	mol%			
		CO_2	0.3	6.0	mol%			
		C_1	96.9	84.0	mol%			
		C_2	0.2	4.0	mol%			
		C_3	0.1	2.0	mol%			
		C_4+	0.1	1.0	mol%			
		H_2S	0.1	1.0	mol%			
		OK						
2.1.2.2	Gas gravity		0.57	0.57	[-]			
2.1.2.3	Gas-oil ratio (GOR)		15109	843	scf/bbl			
2.1.2.4	Fraction of remaining gas to reinjection	OK	0	0	%			
2.1.3	Produced water							
2.1.3.1	Water cut (WOR)		8.5	8.5	bbl water/bbl oil			
2.1.3.2	Concentration of dissolved solids (TDS)		5000	5000	mg/L		Vlasopoulos et al. (2006)	
2.1.3.3	Water specific gravity		1.003	1.003	[-]		Fanchi, J.R. (2007), p.-490	
2.1.3.4	Density of water at standard conditions		62.6	62.6	lbm/ft^3			
2.1.3.5	Fraction of water to reinjection/flooding	OK	100	100	%			
2.1.4	Well description							
2.1.4.1	Average reservoir pressure		1557	1557	psi			
2.1.4.2	Well completion							
2.1.4.2.1	Depth		7240	7240	ft			
2.1.4.2.2	Diameter		2.8	2.8	in			
2.1.4.3	Well head pressure		1000	1000	psi		Manning, F., and Thompson, R. (1991)	
2.1.4.4	Number of producing wells	OK	8	8	[-]			
2.1.4.5	Number of water injecting wells		4.0	4.0	[-]			
2.1.4.6	Productivity index	OK	3.0	3.0	bbl/psi-d			
2.1.4.7	Injectivity index		2.0	2.0	bbl/psi-d			