

# Reservoir Fluid Compositions

## Module 19

### Chieftan Reservoir Fluid Composition - Water-free Basis (mol%)

Component	Well N1			Well N2			Average	Well 22/9-4
	Liquid	Gas	Combined	Liquid	Gas	Combined		
<b>CGR</b>	40 bbls/MMscf			34 bbls/MMscf				
Hydrogen	0	0	0	0	0	0	0	0
H <sub>2</sub> S (Note 1)	0	0	0	0	0	0	0	0
Carbon dioxide	0.40	2.58	2.55	0.18	1.10	1.07	1.81	2.41
Nitrogen	0.08	1.89	1.87	0.04	1.42	1.38	1.63	1.58
Methane	6.91	81.35	80.47	7.52	86.72	84.42	82.45	79.60
Ethane	2.22	7.07	7.01	2.22	6.05	5.94	6.48	6.87
Propane	2.87	3.63	3.62	2.67	2.60	2.60	3.11	3.57
i-Butane	0.90	0.55	0.55	0.88	0.39	0.40	0.48	0.58
n-Butane	2.74	1.19	1.21	2.61	0.81	0.86	1.04	1.31
neo-Pentane	0.01	0.01	0.01	0.01	0	0	0.01	0.50
i-Pentane	1.81	0.34	0.36	1.80	0.22	0.27	0.32	0.59
n-Pentane	2.87	0.42	0.45	2.89	0.27	0.35	0.40	0.50
Hexanes	6.34	0.38	0.45	6.54	0.2	0.38	0.42	0.59
Me-Cyclo-pentane	1.74	0.07	0.09	1.71	0.03	0.08	0.09	0
Benzene	0.84	0.03	0.04	1.43	0.03	0.07	0.06	0