



## PRODUCT APPLICATION TABLE - MINERAL AND WATER WELL - TABLE I

	Aus-Ben	Aus-Gel	AMC-Pac	Aus-Trol	Bio-Vis	CR-650	Liqui-Pol
<b>Viscosity</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Gelation</b>	High	High	No	No	High	Medium	No
<b>Carrying Capacity</b>	High	High	Very High	High	Very High	Medium	Low
<b>Filter Cake</b>	Thick	Thick	Thin	Thin	No	No	No
<b>Encapsulation</b>	No	No	Low	Low	Low	High	Very High
<b>pH Environment</b>	6 -14	6 -10	6 -11	6 -10	3 -7	6 -10	6 -10
<b>Lubrication</b>	Moderate	Moderate	High	High	High	High	High
<b>Contaminant Tolerance</b>	Low Ca <sup>++</sup> < 150 mg	Low Ca <sup>++</sup> < 150 mg	Med - LowCa <sup>++</sup>	Low Ca <sup>++</sup> < 150 mg	High Ca <sup>++</sup> > 200 mg	Low Ca <sup>++</sup> < 200 mg	Low Ca <sup>++</sup> < 200 mg
<b>Salt Tolerance</b>	Low	Low	High	High	High	High	Medium - Low
<b>Grease Production</b>	No	No	No	No	No	No	No
<b>Temperature Limitations</b>	< 240 C	< 140 C	< 140 C	< 140 C	< 100 C	< 160 C	< 160 C, > 5 C
<b>Flocculant</b>	No	No	No	No	No	No	Low Conc.
<b>Diamond Drilling Application</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Water Well Application</b>	Yes	Yes	Yes	No	Yes	Yes	Yes
<b>Clay Inhibition</b>	No	No	No	No	No	Yes	Yes
<b>Dispersant</b>	N/A	N/A	N/A	N/A	N/A	N/A	No
<b>Stiff Foam Agent</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Foam Additive</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Normal Conc.</b>	30-100 kg/m <sup>3</sup>	15-55 kg/m <sup>3</sup>	1.5-3 kg/m <sup>3</sup>	2-3 kg/m <sup>3</sup>	3-4 kg/m <sup>3</sup>	0.5-3 kg/m <sup>3</sup>	0.5-1.25 lrt/m <sup>3</sup>

Note: Salt Tolerance - Low = <3000 mg/l Cl, Medium = <20,000 mg/l Cl, High = <80,000 mg/l Cl Note: Salt Tolerance - Low = <3000 mg/l Cl, Medium = <20,000 mg/l Cl, High = <80,000 mg/l Cl



## PRODUCT APPLICATION TABLE - MINERAL AND WATER WELL - TABLE 2

	AMC Bit-Lube	AMC Universal	Torq-Free	Clay Coat	Well Clean	Aus-Det	FR-100L	Hammer Oil	C-Pack
<b>Viscosity</b>	No	No	No	No	-	-	-	-	-
<b>Gelation</b>	No	No	No	No	-	-	-	-	-
<b>Cleaning Capacity</b>	No	No	No	No	-	-	-	-	-
<b>Filter Cake</b>	No	No	No	No	-	-	-	-	-
<b>Encapsulation</b>	No	No	No	Yes	-	Surfactant	-	-	-
<b>pH Environment</b>	8-10	6-10	6 - 10	6 – 10	-	-	-	-	-
<b>Lubrication</b>	High	High	High	Yes	-	High	-	Yes	-
<b>Contaminant Tolerance</b>	Low Ca++< 200 mg	Low Ca++< 200 mg	Low Ca++< 200mg	Medium	High	-	-	-	-
<b>Salt Tolerance</b>	Low	High	High	High	High	-	-	-	-
<b>Grease Production</b>	High	Medium	Medium	No	-	-	-	-	-
<b>Flocculant</b>	No	No	No	No	-	-	-	-	-
<b>Diamond Drilling Application</b>	Yes	Yes	Yes	Yes	-	Yes	-	-	-
<b>Water Well Application</b>	No	No	No	Yes	Yes	Yes	-	-	-
<b>Clay Inhibition</b>	No	No	No	Yes	No	Yes	-	-	-
<b>Dispersant</b>	No	No	No	No	Yes	-	Yes	-	-
<b>Foaming Agent</b>	No	No	No	No	-	-	-	-	-
<b>Stiff Foam Additive</b>	No	No	No	No	-	1-5 L/m <sup>3</sup>	-	-	-
<b>Normal Conc.</b>	2.5-7.5L/m <sup>3</sup>	2.5-5 L/m <sup>3</sup>	2.5-5 L/m <sup>3</sup>	4-8%	2-3kg/m <sup>3</sup>	2-5 L /m <sup>3</sup> (little 3)	0.5 lL/200 L	-	Annular Volume

Note: Salt Tolerance - Low = <3000 mg/l Cl, Medium = <20,000 mg/l Cl, High = <80,000 mg/l Cl Note: Salt Tolerance - Low = <3000 mg/l Cl, Medium = <20,000 mg/l Cl, High = <80,000 mg/l Cl