

Geology Correlating and Mapping One Day Course

Intro – the importance of making maps and cross- sections

Cross- Sections

Log Correlations

Log types (reading the rocks)

Structural (subsea vs. measured depth)

Purpose of structural cross- sections

Stratigraphic

Purpose of stratigraphic cross- sections

Exercise – Log correlations and making a cross- section

Oil and gas traps

Structural vs. stratigraphic vs. combination

Exercise – identifying traps

Maps

Topographic maps

Exercise – reading a topo map

Structural maps

Identifying different structural traps

Exercise – making a structural map

Other maps

Isopach maps

Purpose of making isopach maps

Identifying various stratigraphic traps

Exercise – making an isopach map

Other geologic maps

Purpose of net sand/isolith maps

Geologic maps

Unconformities

Subcrop maps

Exploration exercise (putting it all together)

Correlating logs

Making maps

Identifying potential traps and drill locations

