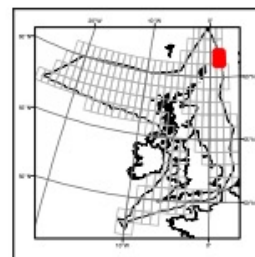


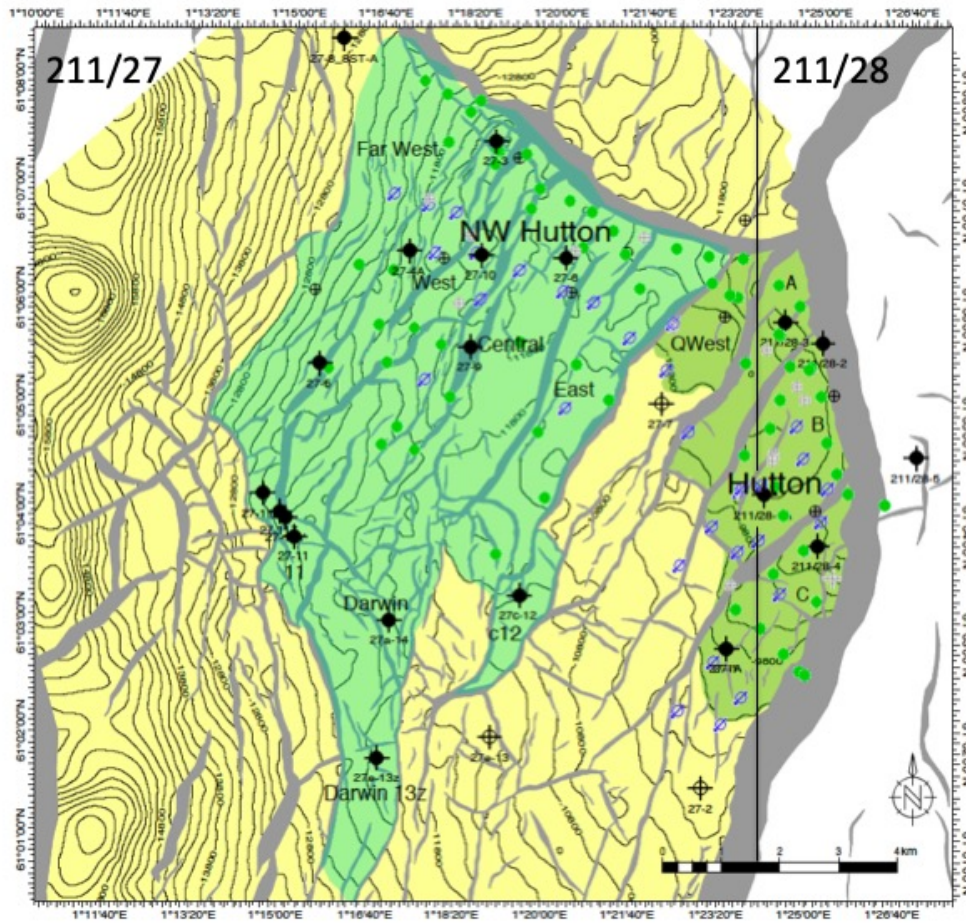
Figure 1



Gamma Ray response	Age (base)	Formation Unit		Φ (%)	K (mD)	Interval Description	Interpreted Depositional Environment (after Flint et al, 1998)	
0	100	Ma	Convention of Brent Group names	Conoco Brent Group names				
			Tarbert Formation	Upper Sand Unit	20 to 24	400	Upward fining from a coarse granular base, minor cross bedding and clay drapes at base	Lowstand complex overlain by transgressive unit
	165		Ness Formation Upper member	Upper Middle Shaley Unit	20 to 25	600 to 3000	Basal, erosive-based, coarse grained stacked fluvial channels, crevasse splay sandstones and flood plain mudstones.	Long-term, early high systems tract to the Massive Sand (Etive) sequence boundary
			Ness Formation Mid Ness Shale	Mid Middle Shaley Unit			Shaley base, minor fine grained sandstones with hummock cross stratification, field-wide stratigraphic marker	Condensed marine section with up to ten biozones, basal maximum flooding surface.
			Ness Formation Non-Reservoir					
			Ness Formation Lower member	Lower Middle Shaley Unit	20 to 25	600 to 1800	Coarsening upwards facies associations, current ripples and parallel lamination common, marine trace fossils.	Transgressive systems tract to the Massive Sand (Etive) lowstand, with mouthbar parasequences.
	168		Etive Formation	Massive Sand	20 to 25	200 to 3000	Medium to coarse grained sandstones, commonly abruptly overlying Massive Mica/Sand (Rannoch), Upper Massive Sand contains low abundance, low diversity trace fossil assemblage, trough and planar cross-bedding, coaly debris.	Multilayer fluvial to estuarine channelised system with incised valley fills.
			Etive/Rannoch Formation	Massive sand / Mica Sand	25	300 to 3000	Occasionally present as interbedded Massive Sand / Mica Sand unit in Hutton.	
			Rannoch Formation	Mica Sand	26	10 to 40	Shale at base overlain by hummocky cross stratified, micaceous sandstone and interbedded sandy heteroliths.	Highstand systems tract, lower to upper shoreface sandstones, multiple aggrading cycles.
	171		Broom Formation	Basal Sand	17 to 23	60 to 250	Coarse grained sandstones with mud draped cross beds. Some terrestrial coal debris. Marine bioturbation at base and top.	Lowstand to transgressive systems tract tidal estuarine complex.
	181		Dunlin Group					Marine mudstones

Figure 2

Figure 3



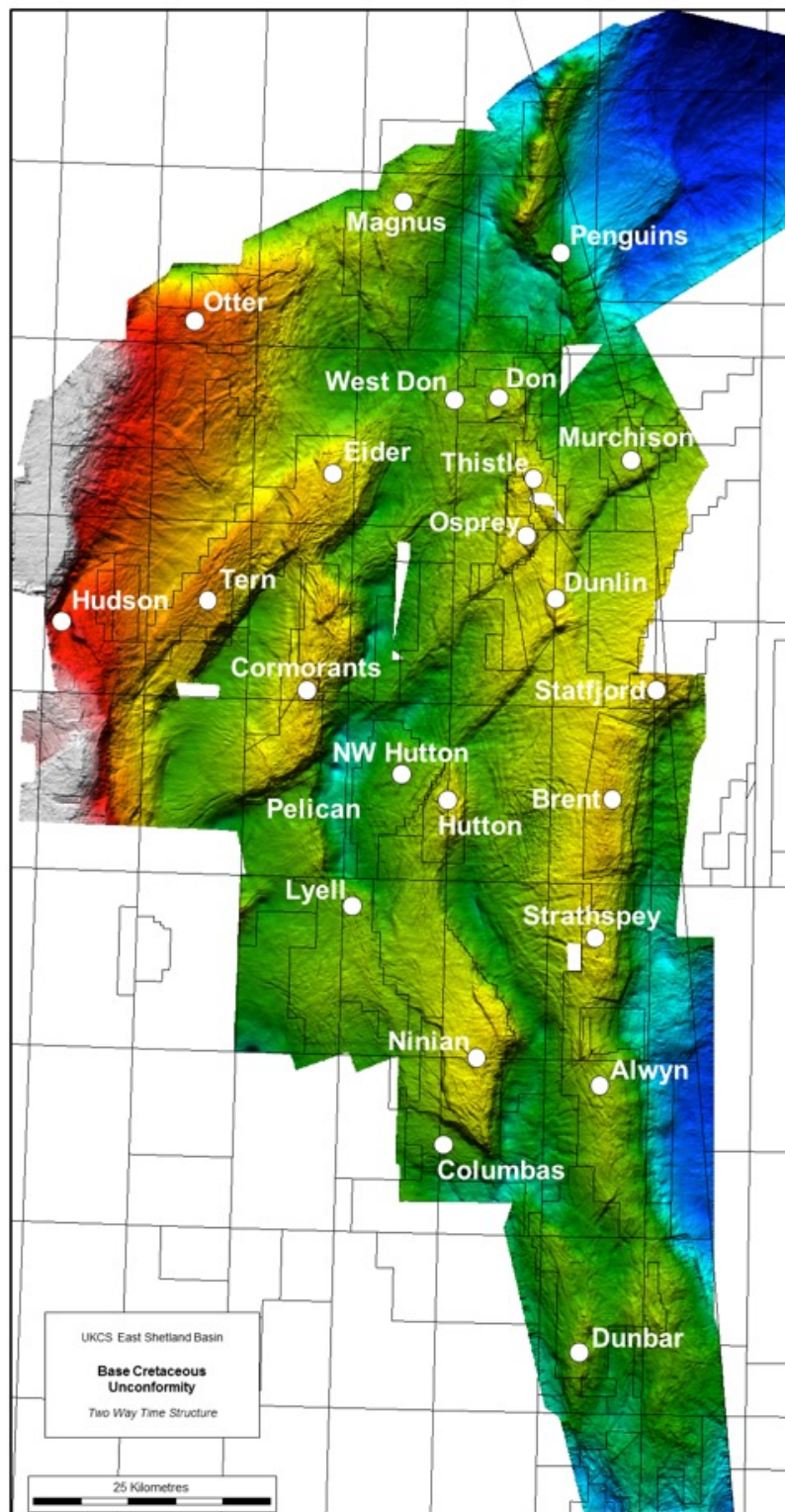


Figure 4

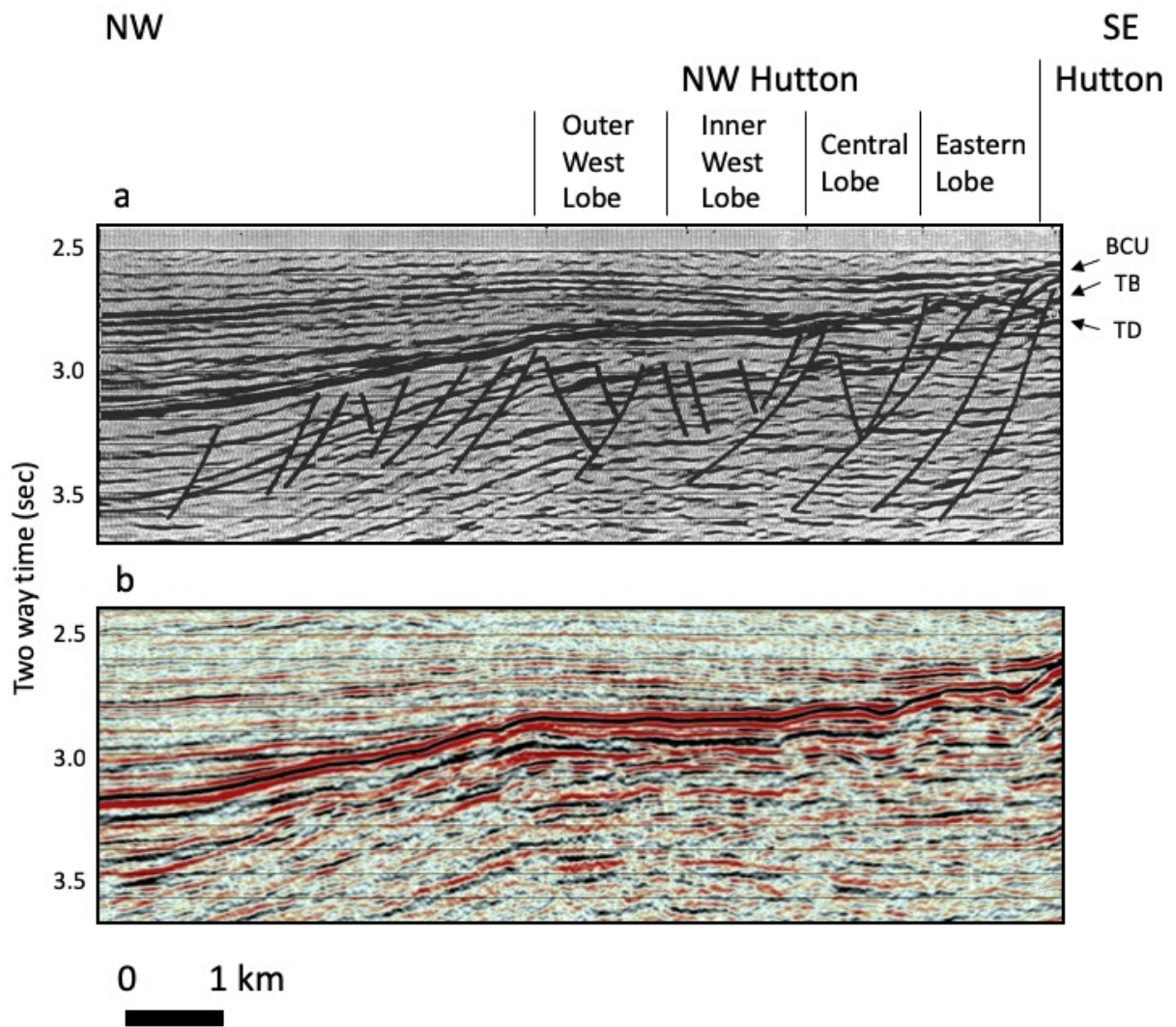


Figure 5

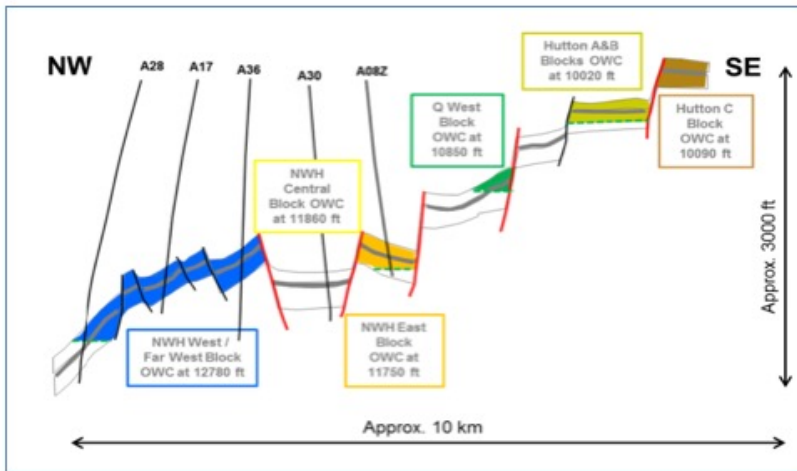


Figure 6

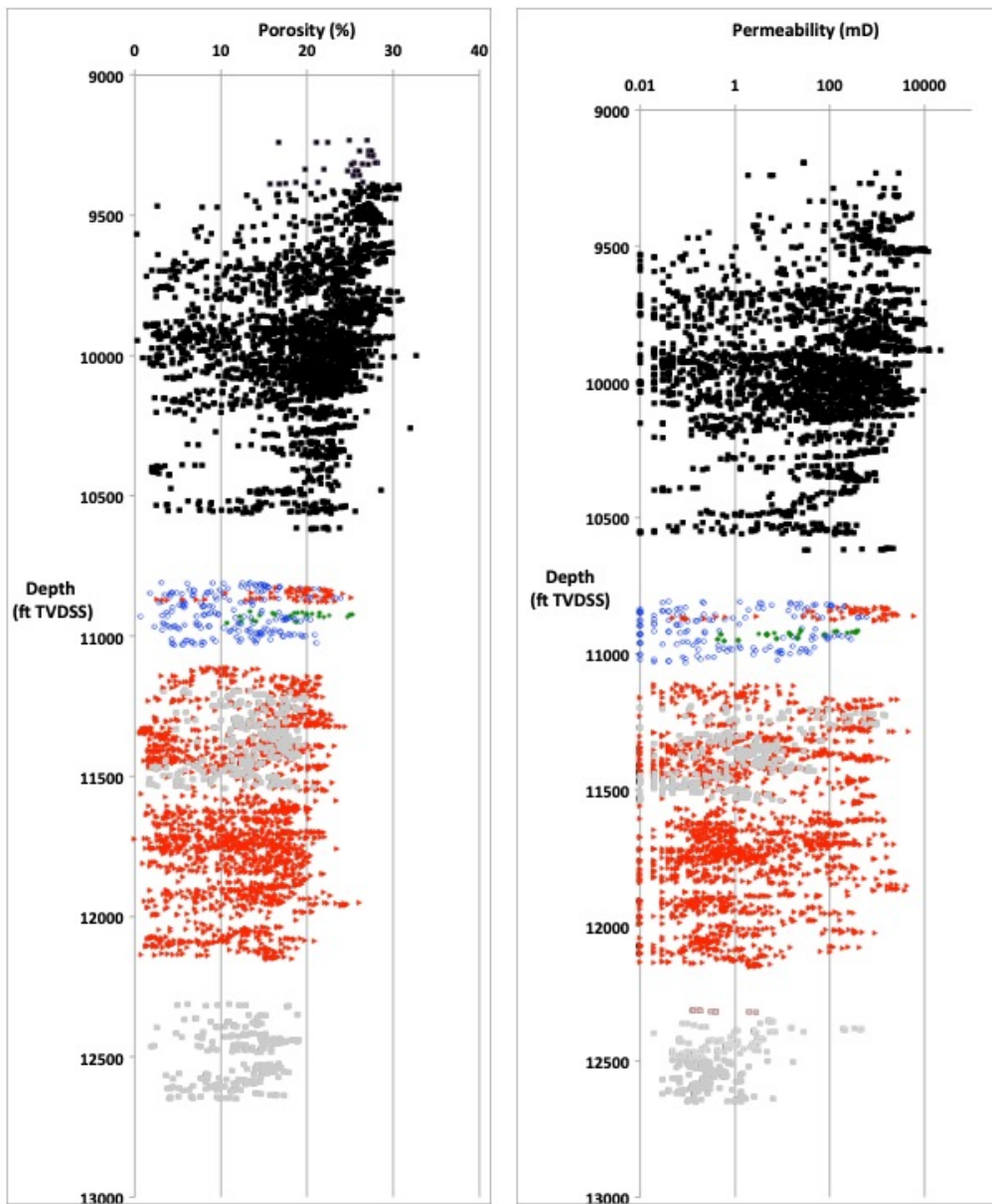


Figure 7

Figure 8

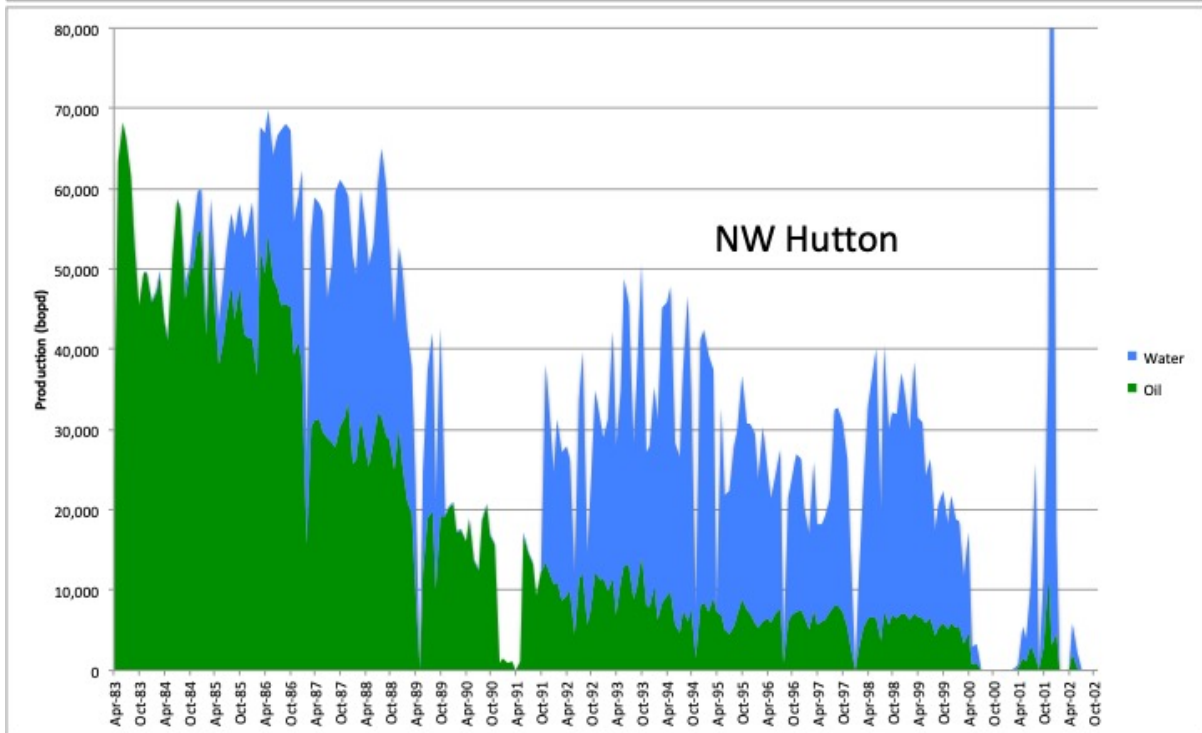
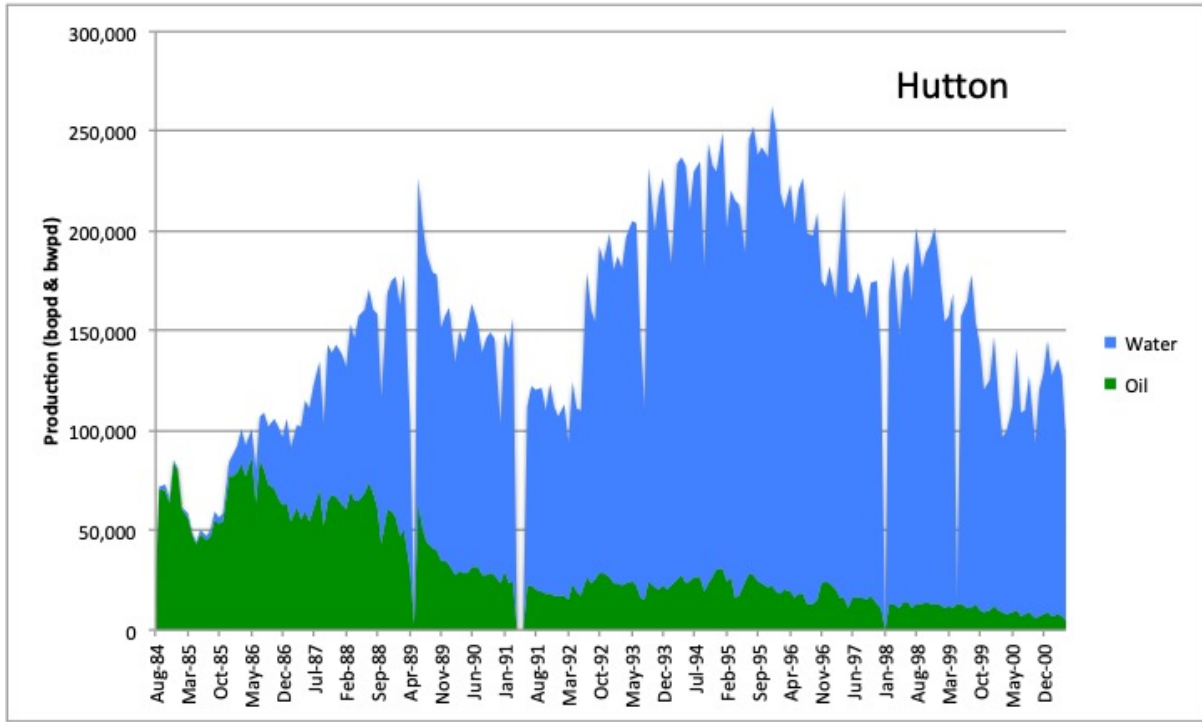


Figure 9

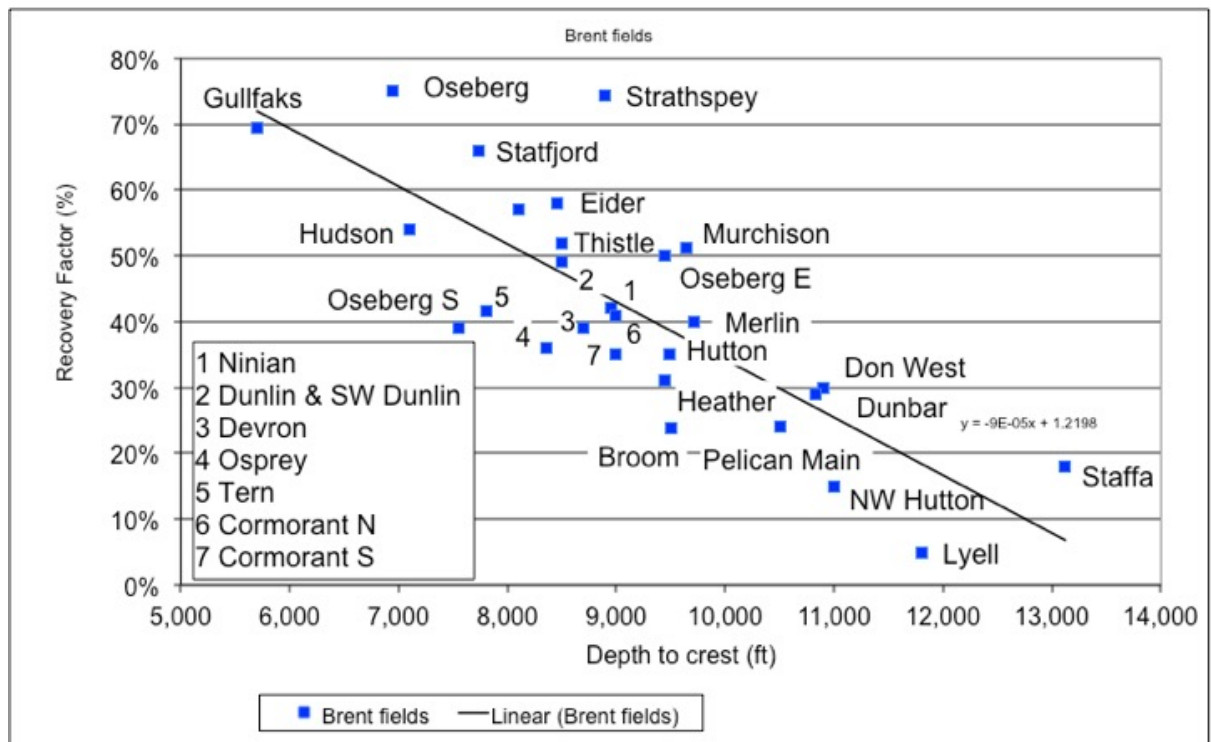


Figure 10

