

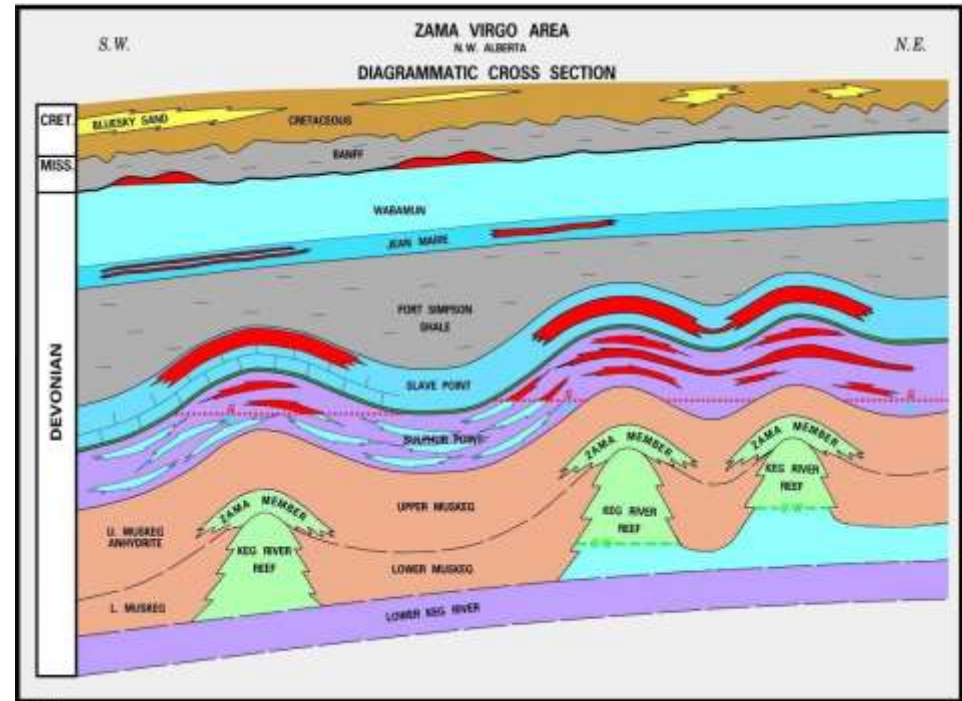
The Apache logo is written in a stylized, italicized yellow font on a dark brown rectangular background. The background of the entire slide is a photograph of an offshore oil rig at sea, with a helicopter flying in the sky and a worker in safety gear visible on the right side.

Apache

SUCKING THE AIR OUT

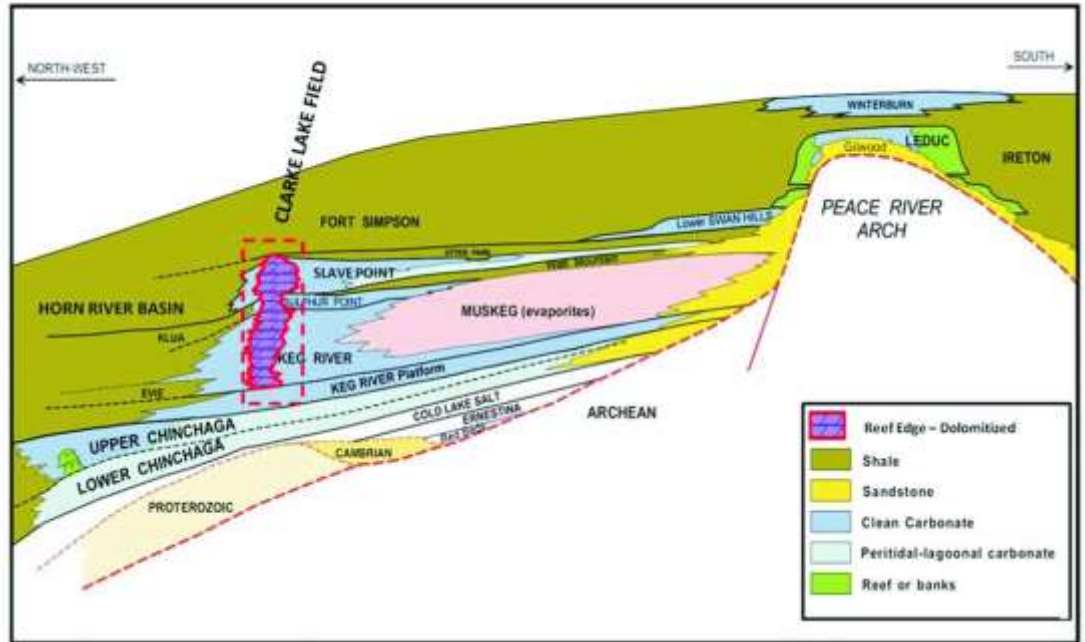
HAVE CO₂ AND
HOT AIR
COLLABORATED
TO EXTINGUISH
CCS?

ZAMA ACID GAS INJECTION PROJECT



LIARD BASIN – FORT NELSON

MIDDLE DEVONIAN	GIVETIAN	FORT SIMPSON	WOODBEND GROUP
		MUSKWA	
		OTTER PARK	
		SLAVE POINT	BEAVERHILL LAKE GROUP
		WATT MOUNTAIN	
		SULPHUR POINT	UPPER ELK POINT GROUP
		UPPER KEG RIVER	
	MUSKEG (evaporites)		
	LOWER KEG RIVER		
	EIFELIAN	UPPER CHINCHAGA	LOWER ELK POINT GROUP
		LOWER CHINCHAGA	
		COLD LAKE	
		ERNESTINA LAKE	
		BASAL RED BEDS	
LOWER	EMSIAN	STONE	"PREDEVONIAN QUARTZITE"



SOME VIEWS FROM DC

- CCS (defined as waste disposal of CO₂ for climate purposes) is simply not feasible nor can it be supported by tax dollars and subsidies (any more than wind or solar or renewables that are too expensive)
- Market based economics will drive economies to choose lowest cost fuel options and grow energy supply to meet demand – and use the most inexpensive option first – always.
- Sustainable fossil requires CCS – but in the case of market requirements it must be coupled with EOR for the CO₂ to Utilize the CO₂ before safely and permanently storing it in geologic formations.