

DATA SUMMARY CHART

WELL

TERRA NOVA K-18

JEANNE D'ARC BASIN,  
EAST COAST CANADA

SCALE 1:240

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Department of Supply  
and Services

NO WIRELINE LOG AVAILABLE

DRILLERS DEPTH IN METRES	CORES	GRAIN SIZE AND SEDIMENTARY STRUCTURES	LITHOLOGY	COARSENING AND FINING UPWARD SEQUENCES	CORE DESCRIPTION	CORE INTERPRETATION	PETROGRAPHY AND RESERVOIR GEOLOGY
3216	CORE 2				Medium grey to dark greenish grey, silty, slightly calcareous shales containing scattered carbonaceous wood fragments and thin, pale grey to brownish grey, siderite and calcite cemented, very fine and fine grained sandstones which contain slump structures, current ripples and intraformational mudclasts. Local closed fractures.	FAN ABANDONMENT SHALES Weakly marine flow dinocyst (numbers) shales containing thin distal fluvially supplied sandstones.	Impermeable shale blanket.
3220							
3230	CORE 3				Buff to pale grey, very fine to medium grained, locally argillaceous and carbonaceous sandstones containing current ripples, horizontal lamination, occasional cross-bedding, slump structures, interformational mudclasts, interbedded with medium and dark grey shale and siltstone. Disseminated calcite and locally, nodular siderite cements common throughout.	MID-TO-OUTER-FAN FLOODPLAIN SANDSTONES AND SHALES Sheetflood and minor fluvial channel sandstones, interbedded with weakly marine (low dinocyst numbers) shales.	<b>PETROGRAPHY</b> No samples analysed. <b>GEOMETRY</b> Narrow ribbon and thin sheet sandstones.  O AND K Original porosity and permeability severely reduced by disseminated carbonate cement, quartz overgrowths and ?authigenic kaolinite.
3240							
3250	CORE 4				Interbedded medium dark grey to greyish green silty shales containing disseminated calcite and nodular siderite cements and ?rootlets, interbedded with pale grey to dark greenish grey, cross-bedded, mottled, ?rootleted, siderite and calcareous sandstones.	INTERCHANNEL/CHANNEL ABANDONMENT SHALES AND SANDSTONES Shales and mottled, ?soil profile sandstones.	Probable sheet geometry impermeable shale and cemented sandstone sequence.
3260							
3270	CORE 5				Pale grey and brownish grey, fine to very coarse grained, locally pebbly, sandstones and pebble/cobble clast supported conglomerate containing horizontal lamination, cross-bedding, erosive bases, ?indeterminate fossil fragments, pebbles and cobbles of sandstone, limestone, granite and quartz/quartzite/chert lithologies. Common disseminated calcite, local nodular pyrite and local concretionary dolomite cement. Common closed/calcite cemented fractures (0°-30° to core axis) at top of interval.	BRAIDED FLUVIAL CHANNEL SANDSTONES AND CONGLOMERATES Stacked fining upwards channel fill sequences.	<b>PETROGRAPHY</b> No samples analysed. <b>GEOMETRY</b> Broad ribbon.  O AND K Original porosity and permeability severely reduced by disseminated and concretionary calcite and dolomite cement, quartz overgrowths and ?authigenic kaolinite.
3280							
3290	CORE 6				Pale grey to brownish grey and greyish orange (siderite cemented), very fine to coarse grained, thin to thickly bedded sandstones containing current ripples, cross-bedding, horizontal lamination, erosive bases, interformational mudclasts and carbonaceous wood fragments interbedded with medium dark grey, laminated siltstones and silty shales. Disseminated calcite, nodular siderite, and pyrite and concretionary dolomite cements are common.	FLUVIAL CHANNEL SANDSTONES AND INTERCHANNEL SHALES Finning upwards fluvial channel fill sandstone sequences, capped by weakly marine (low dinocyst numbers) channel abandonment and interchannel shales.	<b>PETROGRAPHY</b> No samples analysed. <b>GEOMETRY</b> Sheet of internally coalescing ribbons.  O AND K Original porosity and permeability severely reduced by disseminated and concretionary carbonate cements, and ?authigenic kaolinite.
3300							
3310	CORE 7						
3320							
3322.35	CORE 8						