PLANNING AND DATA SHEET
Hole KC151 #3

	Plan	Actual
1 Site/Hole Name	KC1C	KC151 #3
2 Latitude	26° 49' 22.6" N	
3 Longitude	92° 59' 11.3" W	
4 Water Depth (m)	1311	
5 Plan TDbsf (m)	609	

6 Scientific Objectives

KC1 targets the highest amplitude portion of the BSR and an underlying, high amplitude layer we interpret as a gas-charged sand layer. This high-reflectivity layer will also be sampled by KC6; however, at KC6 the layer has lower reflectivity and overlies the BSR. KC1 has the additional benefit that it does not cross the fault providing an unfaulted sedimentary section to the BSR. This site will constrain local variability of hydrate above the BSR but also provides an opportunity to sample high concentration gas layer underneath the hydrate stability zone. Separate analyses of gas and hydrate might provide insights into the formation of the hydrate and whether the gas has been trapped after hydrate formation or if the hydrate was formed during the migratio of the gas. KC5 is an alternative location that will penetrate the BSR without penetrating the regional fault system.

7 Coring program						**8 Shipboard Sampling program**					**9 Shipboard Experiments**												
Core Number	Start Depth (mbsf)	End Depth (mbsf)	Core length (m)	FHPC/FC	FPC/HRC	Headspace	Void gas	Pore Water	Sediment	Microbiol.	IR imaging	Piezo-probe	Temp-erature	Gas analyses	Chem.Anal. (Salinity,Alkalinity,Sulfate/sulfide)	Multi-sensor core logger	X-ray CT scanner	Vertical gamma density logger	Hydrate dissociation with gas sampling & analysis	hand torvane shear strength	pocket penetrometer shear strength	UU-triaxial	lab vane shear
1	0.0	9.1	9.1	1		6	1	5		2	1		1	7	20	1				1	1	1	1
2	9.1	18.3	9.1	1		2	3	3		1	1			5	12	1				1	1	1	1
3	18.3	27.4	9.1	1		1	3	2		1	1		1	4	8	1				1	1	1	1
4	27.4	28.4	1.0		1																		
5	91.4	100.6	9.1	1		1	3	1			1			4	4	1				1	1	1	1
6	100.6	109.7	9.1	1		1	3	1		1	1		1	4	4	1				1	1	1	1
7	109.7	110.7	1.0		1																		
8	231.6	240.8	9.1	1		1	3	1		1	1			4	4	1				1	1	1	1
9	240.8	249.9	9.1	1			2	1			1		1	2	4	1				1	1	1	1
10	249.9	259.1	9.1	1		1	2	1		1	1			3	4	1				1	1	1	1
11	259.1	260.1			1																		
12	304.8	313.9	9.1	1			2	1			1			2	4	1				1	1	1	1
13	313.9	323.1	9.1	1		1	2	1		1	1		1	3	4	1				1	1	1	1
14	350.5	359.7	9.1	1			2	1			1			2	4	1				1	1	1	1
15	359.7	368.8	9.1	1		1	2	1		1	1			3	4	1				1	1	1	1
16	381.0	390.1	9.1	1			2	1			1		1	2	4	1				1	1	1	1
17	390.1	399.3	9.1	1			2	1			1			2	4	1				1	1	1	1
18	445.0	454.1	9.1	1		1	2	1		1	1			3	4	1				1	1	1	1
19	454.1	463.3	9.1	1			2	1			1		1	2	4	1				1	1	1	1
20	463.3	472.4	9.1	1		1	2	1			1			3	4	1				1	1	1	1
21	472.4	481.6	9.1	1			2	1			1			2	4	1				1	1	1	1
22	481.6	490.7	9.1	1		1					1		1	1		1				1	1	1	1
23	490.7	499.8	9.1	1			2	1		1	1			2	4	1				1	1	1	1
24	499.8	509.0	9.1	1							1					1				1	1	1	1
25	509.0	518.1	9.1	1							1		1			1				1	1	1	1
26	518.1	527.3	9.1	1		1	2	1			1			3	4	1				1	1	1	1
27	527.3	528.3	1.0		1						1					1	1	1					
28	528.3	529.3	1.0		1						1					1	1	1					
29	529.3	538.4	9.1	1		1	2	1			1			3	4	1				1	1	1	1
30	538.4	539.4	1.0		1						1					1	1	1	1				
31	539.4	540.4	1.0		1						1					1	1	1	1				
32	540.4	549.5	9.1	1		1	2	1		1	1		1	3	4	1				1	1	1	1
33	549.5	558.7	9.1	1							1					1				1	1	1	1
34	558.7	567.8	9.1	1		1	2	1			1			3	4	1				1	1	1	1
35	567.8	577.0	9.1	1							1					1				1	1	1	1
36	577.0	586.1	9.1	1		1	2	1			1			3	4	1				1	1	1	1
37	586.1	595.2	9.1	1							1					1				1	1	1	1
38	595.2	604.4	9.1	1		1	2	1		1	1	1		3	4	1				1	1	1	1
Totals			289.3	31	7	24	54	32	0	13	35	1	10	78	128	35	4	4	2	31	31	31	31

Notes:

a. FHPC cores (called H cores) and FC cores (called C cores) of 9.1 and 4.6 m length will be cut into 1 m sections. Samples will be designated by Site-Core-Section (Centimenter interval). For example, the first sample for pore water from core 1H will be a 10-cm whole round at the base of section 1 will be designated JIP Hole 2B-1H-1 (90-100).

b. Whole round cores (10-cm) to be saved in the section adjacent to Piezoprobe