Chikyu DAILY MORNING REPORT

Mission No. : CK13-04 **Exp. No. :** Exp 348 **Report No. :** 89

Site Name : C0002 **Hole Name :** C0002N **Lat.** 33° 18.0507'N **Long.** 136° 38.2029'E **Report Date :** 11/Dec/2013

Depth : @24:00 4297.5 mBRT 2330.0 mbsf Progress : m Seabed Depth : 1,967.50 mBRT RT-MSL : 28.5 m

Depth : @06:00 4297.5 mBRT 2330.0 mbsf Drilling/Coring/Jetting Hrs. : hrs LAST CASING : 13-3/8" x 2,010.00 mbsf(3,977.5 mBRT)

Summary of Operation on 10-Dec : Planned disconnect (EDS #3), move vessel 1.2miles north for low current area, WOW, R/U riser handling gear.

Present Operation @ 06:00 on 11-Dec : Prepare for LMRP landing.

mBRT: meter below rotary table

mbsf: meter below sea floor

Time Breakdown (00:00 - 24:00 on 10-Dec)

From	To	Hrs	Code	Detail of Operation
0:00	0:15	0:15	WOW	Continue to stand-by action.
				(00:00 - 00:15) Continue to displace riser with seawater.
0:15	1:15	1:00	WOW	Monitor wind speed and sea current.
				Observe over 20m/s (2min ave.) and 2.7 knot sea current. (4knot: 5mile offset SW)
1:15	2:30	1:15	WOW	Conduct planned disconnect by EDS #3.
				Confirm the condition to initiate EDS #3.
				Set Gator lock in autolock, riser tensioner tension 8650kN →8200kN
				Initiate EDS #3. (1:23) /31sec to release LMRP
				Confirm LMRP disconnect from lower BOP by ROV and tensioner tension to 6670kN.
				Riser tensioner retract a Line test w/6000psi. 10min OK.
				ROV visual check on LN LPR w/300psi x 5min, 5,500psi x 10min: OK
2:30	7:00	4:30	WOW	Move vessel to Northward. To stream out from high current. (vessel speed 0.3-0.5knot depending on ROV situation)
				@6:00 Vessel position 1.1mile north from C2 site.
				MPI inspection on HPS shaft/ No crack found.
7:00	18:00	11:00	WOW	Stop vessel @ 1.2mile North from C0002F site. Sea current @ Chikyu, 2.0knot.
				(7:00-14:30) Assemble HPS after MPI inspection.
				(14:30-17:00) Park HPS.
18:00	24:00	6:00	BOPE(other)	Rig up riser running tool.
				Load whipstock & casing milling gear from Shinchomaru.
				(22:30 - 24:00) Drift to 50m west of well location @ 0.5knot.
				Yellow status :0:00-2:53 (2:53,vessel offset 100m from C0002F site)
				Note:
				Sea current @ 24:00, Chikyu: 1.44knot. 5miles SW of C0002F: 3.11knot

Weather Condition

Time	Wind direction (deg)	Wind speed(m/s) Ave	Wind speed(m/s) Gust	Wave Height (m)	Wave Period (s)	Wave Dir (deg)	Current speed (knot)	Current Dir (deg)
0:00	131	11.2	12.5	1.4	6.0	160	2.2	85
1:00	178	15.6	18.4	1.4	6.2	160	2.5	83
2:00	170	19.5	20.8	1.8	6.5	170	2.6	83
3:00	155	15.0	17.6	2.8	7.0	170	2.8	87
4:00	168	24.1	25.5	3.3	7.4	170	2.7	91
5:00	184	25.6	31.6	4.4	8.0	180	2.4	89
6:00	197	30.1	32.6	3.8	8.8	180	2.3	88
7:00	270	20.0	21.1	3.5	8.4	180	2.1	92
8:00	285	16.2	18.7	3.7	8.5	190	1.8	91
9:00	286	16.9	18.6	3.3	8.2	190	1.4	90

Max wind 34.3 m/s (176 deg) @4:51.

Time Breakdown (00:00 - 06:00 on 11-Dec) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	Detail of Operation
0:00	0:30	0:30	BOPE(other)	Pick up diverter handling tool, lock into diverter.
0:30	1:00	0:30	BOPE(other)	Air up tensioner to float gator-lock, unlock gator-lock, stroke out 2m on telescopic joint.
1:00	2:15	1:15	BOPE(other)	Function diverter lock-down dogs to open, 1 lock-down dog STB side not unlock, troubleshooting by sebsea engineer.
2:15	3:00	0:45	BOPE(other)	Pick up on diverter, clean up and lay out same.
3:00	4:15	1:15	BOPE(other)	Pick up landing-joint, make up to telescopic joint.
4:15	5:00	0:45	BOPE(other)	Engage Gator-Locks, take full riser weight onto DW.
5:00	6:00	1:00	BOPE(other)	Pick up all of LMRP and riser, turn to left to line up white paint mark on turning slip-Joint (Left 35deg offset due to riser handling tool rotating limit).

Note:

ROV : 2:30 ROV dive w/new AX gaskets.

4:00 locate18-3/4"AX gasket on main bore and 3-1/16"AX on C/K lines.

5:00-6:00 Drop 18-3/4"AX gasket from LMRP by injection to gasket release port.

@4:00 supply boat Kaiyu release.

Sea current: Chikyu 1.4 knot. SW 5mile 2.2knot. @6:00

Bit Record

Bit No.	Size (in)	MFR	Type	IADC Code	S/No.	Nozzles	Depth (mart) From	Depth (mart) To	Meter-age	Hrs.	WOB (kN) Min.	WOB (kN) Max.	rpm Min.	rpm Max.	Total Rev. (krev)	Dull Condition Inner	Outer	Dull	Loc.	B	G	O.D.	RP

BHA Record

Hook Wt. (kN) @ mBRT

Hook Load	
BHA	
Below HWDP	
below Jar	
Hook block & Riser handling tool	440

Mud Properties

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St. (10", 10')	WL	Cake	pH	Pf	Cl-	Sand	Oil	Solid	MBC	Temp In	Temp Out	K+	n	K	LGS
KNPP	7:00	pit	1.15	90	38	34	3 7	3.5	0.5	11.9	0.3	78,100	0.3	0	8.0	1.00	15	-	31,800	0.61	1.59	1.4
KNPP	17:00	pit	1.15	82	38	32	4 7	3.5	0.5	12.0	0.3	78,100	0.3	0	8.0	1.00	19	-	31,800	0.60	0.73	1.4

Mud Pumps : 14-P-220 @ 5.00 gallon/stroke @97%

No.	Liner Size	SPM	GPM	Press. (MPa)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP
1	6"	0	0	0.0	0	0
2	6"					
3	6"					

Personnel @24:00

CDEX	7
MQJ Crew	96
MQJ (SC,Other)	1
MQJ (Sub sea & Hyd)	1
MWJ	16
Scientist	24
Telnite	2
Oceaneering	6
Schlumberger-CMT	1
SLB WL	3
Geoservice	5
Vetco	1
Halliburton-LWD	3
Halliburton-DD	1
Weatherford (CSG)	0
MI-Swaco	2
Whipstock	1
Total	170

Mud Materials on Board @24:00hrs (unit: kg)

Item	Received	Used	Stock
Barite (Bulk)			193,000
Kunigel-VO (Bulk)			10,800
NaCl			47,000
KCl		1,000	21,000
Tel-Polymer DX / L / H		860/360/120	6920 / 3020 / 1140
XCD-Polymer		175	550
Soda Ash		75	925
KOH		25	2,825
Clean Lube			13,600
Tel Clean			3,200
Bi-Carbonate			1,000
Lime			1,240
Defoamer 30C			192
Telnite GXL			36
Tel DD			3,200
NaOH			800
Lignite NC			2,000
Tel Stop G / P			500 / 1000
Tel Mica C / M / F			500 / 1,000 / 1,000
Tel Plug C / M / F			500 / 1,200 / 980
Tan Cal M / F / FF			4230 / 4500 / 0
EZ Spot			550
Speeder P / X			1700 / 1700
Baracor-100 (gal)			0
Astex S			9,600
Treat HS			0
Rester			0
Telnite OS-5			0
Telnite HEC			0

Cutting skip @24:00

Empty	Full	Total
50	1	51

ROV

Status	Surface
Last Dive	12/9/13
Injection Skid	136/136 gal

Geologic Information

From	To	Lithology of cuttings

Shale Shaker

No.1	#20, #180 x 2	No.4	#10, #145 x 2	No.1	off
No.2	#20, #185 x 2	No.5	#20, #185 x 2	No.2	off
No.3	#10, #145 x 2	No.6	#20, #180 x 2	No.3	off

Centrifuge: hrs

Materials Stock on Board @24:00

Item	Unit	Received	Used	Stock
Fresh Water	m3	0.0	91.4	216.9
Potable Water	m3	137.3	6.8	327.4
Drill Water	m3	0.0	0.0	1,427.6
Fuel	m3	0.0	63.1	4,203.1
Lube, Oil	Ltrs	0.0	500.0	63,300.0
Heli Fuel	Ltrs	0.0	0.0	0.0
Cement "GWC"	ton	0.0	0.0	0.0
Cement "G"	ton	0.0	0.0	0.0

Mud Volume (m3)

KNPP mud (1.15)	174
KNPP mud (1.11) reserve	470
KNPP mud (1.15) reserve	438
LCM 20% (1.13)	24
Hi-vis (1.16)	27
KNPP (1.38)	6
total	1220

Heli Information

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	10:44	10:54	9	10
2				
3				
4				

Safety (HSE) and other information

Incident	Last Incident 13/Feb/2013	No. LTA
LTA		
HUNS cards	13	
Remarks		

Boat Information @24:00

Boat Name	Status	Time @Chikyu Departed	Time @Chikyu Arrived
Kaiyu	Stand-by	-	19:35
Shinchou-maru	Current survey: SW 5miles	–	-
Hakuryu-maru	Enroute to Chikyu	-	-

Marine Information @24:00

Heave (m)	0.4
Pitch (deg)	0.3
Roll (deg)	0.2
Vessel Heading (deg)	270
Riser Tension (kN)	-
V.D. Load (Moon)	12605.4
Max Draught (m)	9.0
Thruster (kW)	1020

Weather Information

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	Wind Speed (m/s)	Wind Dir. (deg)	Wind Gust (m/s)	Wave Height (m)	Wave Dir. (deg)	Wave Period (s)	Current Speed(knt)	Current Dir. (deg)	Visibility (km)
24:00	bc	13.5	18.4	1010.7	9.0	303.0	10.2	1.5	300	6.6	1.3	84	22.0

Today's Schedule : LMRP landing. / Install diverter & UFJ / Rig down riser handling tool.

Reported by : T.Yokoyama / D. Ikenomoto / S. Yamada

Approved by : T.Saruhashi