Chikyu DAILY MORNING REPORT

Mission No. : CK12-06 **Exp. No. :** Exp 338 **Report No. :** 78

Site Name : C0002 **Hole Name :** C0002J **Lat.** 33°18.0063'N **Long.** 136°38.2103'E **Report Date :** 18/Dec/2012

Depth : @24:00 0.00 mBRT 0.00 mbsf Progress : 0.00 m Seabed Depth : 1,966.00 mBRT RT-MSL : 28.5 m

Depth : @06:00 0.00 mBRT 0.00 mbsf Drilling/Coring/Jetting Hrs. : 0.00 hrs LAST CASING : - x - mbsf(- mBRT)

Summary of Operation on 17-Dec : Continue repair ball valve. Install ball valve and core line BOP. Trouble shooting on DW brake. RIH RCB BHA

Present Operation to 06:00 on 18-Dec : Continue RIH RCB BHA. Troubleshoot #1 Hydra-racker. Resume RIH. Repair lower fast line stabilizer.

mBRT: meter below rotary table
mbsf: meter below sea floor

Time Breakdown (00:00 - 24:00 on 17-Dec

From	To	Hrs	Code	Detail of Operation
0:00	4:00	4:00	RR	Continue repair ball valve.
4:00	7:45	3:45	RR	Install ball valve on HPS.
				Pressure test 300psi x 5min, 6000psi x 10min - OK.
7:45	12:00	4:15	RR	Install wire line BOP and AKEMA wiper.
12:00	14:30	2:30	RR	Connect power supply and hydraulic supply to wire line BOP & ball valve function test.
14:30	15:00	0:30	RS	Drawworks brake efficiency test. Fail 2 times on emergency brake caliper and investigate.
15:00	18:30	3:30	RS	Find defect on one Emergency brake caliper (Atf Starboard side).
				(15:00-15:30) Mechanic engineer find defect on one Emergency brake caliper.
				(15:00-15:30) Hang off Hook Block and change out Emergency brake caliper.
				(15:30-17:30) Replace the fault emergency brake to new one.
				(17:30-18:30) Replace hang of wire and check draw works brake efficiency again, OK.
				Meanwhile,
				(14:30-16:30) Move vessel from 3 mile to 2 miles west from well center(C0002J). Vessel speed: 0.5knot.
18:30	23:30	5:00	Trip	Make up and RIH RCB BHA.
				(18:30-19:30) Make up core bit , bit sub w/stab and RCB core barrel.
				(19:30-21:30) Adjust and space out 2 set of inner barrel for RCB coring (7mm offset above bottom internal profile of bit).
				Adjust and space out center bit for RCB coring, 4mm offset below most internal cutter of bit.
				(21:30-23:30) Pick up 10 jts of 8-1/2" Drill collar for coring. Total 11 jts make up for BHA.
23:30	24:00	0:30	C&C	Break circulation to check pump pressure @ 154m BRT. 60-80-100-120-140 spm 0.6-1.2-2.1-3.0-4.0 MPa.
				Meanwhile,
				(21:15-) Drift vessel to well center (Vessel Speed 0.5knot) on going.

Time Breakdown (00:00 - 06:00 on 18-Dec) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	Detail of Operation
0:00	2:00	2:00	Trip	Continue RIH RCB BHA to 801.3mBRT.
				Stop main arm of #1 Hydra-racker.
				Meanwhile, Vessel reach to C0002J well center @01:30.
2:00	2:45	0:45	RR(N)	Troubleshoot main arm of #1 Hydra-racker by mechanic engineer. Check function - OK.
2:45	5:00	2:15	Trip	Resume RIH RCB BHA to 1959.2mBRT.
				Meanwhile, find failure of bearing of lower fast line stabilizer.
				Lay down single joint for space out.
5:00	6:00	1:00	RR(N)	Repair lower fast line stabilizer.
				Meanwhile, break circulation 180spm x 11.3MPa.
				Check circulation pressure 60-80-100-120-140spm x 1.3-2.4-3.8-5.3-7.4MPa.

Bit Record

Bit No.	Size (in)	MFR	Type	IADC Code	S/No.	Nozzles	Depth (mBRT) From	Depth (mBRT) 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
RR4a	10.625	BHC	BHC405	-	7128364	5 x 18																	
						(Run Exp337)	3158.50	3674.50	516.0	42.58	16	150	71	220	518.0	1	1	BU	N,T	X	I	ER,PN(2/5)	TD,LOG

BHA Record

RCB core	RR4a	Core bit x Bit sub w/10-5/8"Stab x RCB core barrel x Top sub x Head sub x 10-5/8"coring stab x 8-1/2"Core DC(11) x XO x 5-1/2"DP S-150(12) x XO x 5"DP S-140 42stds x 5-1/2"DP S-150

Hook Wt. (kN) @24:00 150.0 mBRT

BHA	180
Hook load	930
Hook block w/HPS	720

Mud Properties

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St. (10", 10')	WL	Cake	pH	Pf	Cl-	Sand	Oil	Solid	K+	LGS	MBC	Temp In	Temp Out	n	K
SWG		Pit	1.04	102	14	40	12 13			11.1									19		0.33	6.79

Mud Pumps : 14-P-220 @ 3070.0 mBRT 4.98 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	8
MQJ Crew	93
MQJ (Other)	2
MQJ (Add subsea E)	3
MWJ	19
NME	0
Scientist, IODP	16
Telnite	1
Oceaneering	0
NOV	0
MI Swaco	0
AXON	0
SES	0
Vetcogray	0
Geoservices	0
Schlumberger-CMT	0
Schlumberger-W/L	3
Schlumberger-LWD	1
Frank's	0
Blohm Voss	0
NOV-Anderreamer	0
Shinsei kougyo	0
Core-IRM	5
Total	151

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

Item	Received	Used	Stock
Barite (Bulk)	0	0	376,200
Kunigel-VO (Bulk)	0	13,600	18,900
NaOH	0	0	0
Lime	0	0	2,840
NaCl	0	0	14,000
KCl	0	0	0
Tel-Polymer DX / L / H	0/0/0	0/0/0	5420/4120/2060
XCD-Polymer	0	0	825
Soda Ash	0	0	1,350
KOH	0	0	3,225
Bi-Carbonate	0	0	1,050
Clean Lube	0	0	6,400
Tel DD	0	0	0
Lignate NC	0	0	4,800
Astex S	0	0	0
Treat HS	0	0	1,680
Defoamer 30C / 15	0	0/0	176/160
Telnite GXL	0	0	342
Tel Clean	0	0	1,232
Baracor-100 (gal)	0	0	110
Tel Stop G / P	0/0	0/0	0/0
Tel Mica C / M / F	0/0/0	0/0/0	1500/480/1000
Tel Plug C / M / F	0/0/0	0/0/0	1500/2520/500
Tan Cal C / M / F / FF	0/0/0/0	0/0/0	2700/2010/1200/2100
EZ Spot	0	0	550
Speeder P / X	0	0	1,700/1,700
Rester	0	0	0
Telnite OS-5	0	0	120
Telnite HEC	0	0	100

Cutting skip @24:00

Load (E)		Empty	0
Kaiyu	0	Full	0
Shincho-maru	0	Back up	0
Offload (F)		S.Boat (E / F)	0/0
Kaiyu	0	@ Shingu	45
Shincho-maru	0	total	45

Geologic Information

From	To	Lithology of cuttings

Shale Shaker Centrifuge: hrs

No.1	#20 x 3/#110 x 4	No.4	#20 x 3/#110 x 4	No.1	0.00
No.2	#20 x 3/#230 x 4	No.5	#20 x 3/#230 x 4	No.2	0.00
No.3	#20 x 3/#110 x 4	No.6	#20 x 3/#110 x 4	No.3	0.00

Materials Stock on Board @24:00

Item	Unit	Received	Used	Stock
Fresh Water	m3	91.2	86.3	332.9
Potable Water	m3	0.0	9.1	238.5
Drill Water	m3	0.0	60.8	1,094.0
Fuel	m3	0.0	43.2	3,064.6
Lube, Oil	Ltrs	0.0	700.0	73,400.0
Heli Fuel	Ltrs	0.0	0.0	800.0
Cement "G"	ton	0.0	0.0	280.0

Boat Information @24:00

Boat Name	Status @24:00	Time @Chikyu Departed	Time @Chikyu Arrived
Shinchou-maru	Chikyu		22:10
Hakuryu-maru	Chikyu		

Mud Volume (m3)	
Kill Mud (1.35sg)	46
Kill Mud (1.50sg)	19
SWG (1.04sg)	67
Prehy Gel (1.05sg)	258

Heli Information

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1				
2				
3				

Safety (HSE) and other information

Incident	Last Incident	No. LTA
LTA		
HUNS cards	31	

Remarks
General safety meeting.
Revised: stock of mud chemical (Kunigel-VO and Clean Lube).

Marine Information @24:00

Heave (m)	0.5
Pitch (deg)	0.3
Roll (deg)	0.2
Vessel Heading (deg)	335
Riser Tension (kN)	-
V.D. Load (Moon)	11400.3
Max Draught (m)	9.0
Thruster (kW)	890

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	c	15.0	19.4	1013.2	3.5	320.0	4.7	1.3	30	7.4	1.0	97	30.0

Today's Schedule : Continue RIH to 30m above seabed. Spud C0002J hole and drill out to 900mbsf. Cut RCB core.

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