Chikyu DAILY MORNING REPORT

Mission No. : CK13-04 **Exp. No. :** Exp 348 **Report No. :** 72

Site Name : C0002 **Hole Name :** C0002N **Lat.** 33° 18.0507'N **Long.** 136° 38.2029'E **Report Date :** 24/Nov/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 23-Nov : POOH and lay out PADPRT. Change out IBOP and Saver sub of HPS. Make up and RIH WBRRT. Set wear bushing. BOP test.

Present Operation @ 06:00 on 24-Nov : POOH WBRRT.

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

Time Breakdown (00:00 - 24:00 on 23-Nov

From	To	Hrs	Code	Detail of Operation
0:00	1:00	1:00	CSG(N)	Continue POOH PADPRT on 6-5/8" landing string from 1117 to 727mBRT.
1:00	3:30	2:30	CSG(N)	Changed out elevator, continue POOH PADPRT on 5-7/8" landing string from 727mBRT to surface.
3:30	4:30	1:00	CSG(other)	Lay down PADPRT and SST.
4:30	13:00	8:30	CSG(other)	Change out IBOP and saver sub for 6-5/8"FH (7.703" Bevel) on HPS.
				Replace master bushing in main well.
13:00	19:00	6:00	CSG	Make up WBRRT assembly and RIH to 1955.8mBRT.
				Install wear bushing on WBRRT.
				Meanwhile, repair power supply of CMTG pump. Confirm function of CMTG pump, -OK.
19:00	19:15	0:15	C&C	Connect HPS and jet BOP and wellhead (1951.5-1964.4mBRT) for 3 times.
				Jetting with 600gpm x 7.3MPa and clean
19:15	20:00	0:45	CSG (TRIP)	Resume RIH WBRRT and land on wellhead.
				Take weight 1964.3mBRT (wear bushing landing depth).
				Slack 40kN and rotate 2 turns right.
				Hook load decreased after setting wear bushing (1652 -> 1648kN).
20:00	24:00	4:00	BOPE	BOP function and pressure test with Blue POD, -OK.
				Fill up string and line up to trip tank to monitor well. Slack 120kN.
				Pressure test schedule: Ram, annular, choke & kill, 300 x 5min, 5500psi x 10min.
				Upper annular on blue pod had difficulty to hold pressure. Suspect leakage from regulator.
				Inner fail safe valve on lower kill line undefined. Function confirmed from flow volume, -OK.
				Note:
				Recover ROV to surface. Maintenance and dive ROV. Inject 12gal glycol to LMRP and wellhead connector. Check bulls eye and wellhead condition, found 50% hydrate.
				Found leakage of glycol skid. Isolate skid.
				Sea current @ Chikyu: 1.0-2.5 knot. 5mile SW: 2.0-3.8 knot.

	Angle	Deg
LFJ	0	0.00
LMRP	130	1.00
BOP	160	0.50

Bulls eye reading @13:30

Revised CMT Slurry composition

G Cement	111	ton
D193	530	gal
D206	45	gal
D081	245	gal
D095	150	lb

Time Breakdown (00:00 - 06:00 on 24-Nov) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	Detail of Operation
0:00	3:15	3:15	BOPE	Continue BOP function and pressure testing from blue POD, -OK.
				Pressure test schedule: Ram, annular, choke & kill, 300 x 5min, 5500psi x 10min.
				Conduct function test on yellow POD from TP office.
3:15	3:45	0:30	BOPE	P/U 1580kN (50kN down at WBRRT) and rotate right 1 turn, release torq and pull to release tool, -unsuccessful, repeat same, -unsuccessful.
				Set weight to 1600kN (30kN down at WBRRT), rotate right 1 turn and pull with torq, -successfully release tool.
3:45	6:00	2:15	BOPE	Start pulling WBRRT on drill pipe from 1964 to 1638mBRT.
				Experienced 180kN/200kN of Overpull at lower/upper annular BOP.
				Controlled trip speed until LFJ, pumped 1.28sg slug and continue POOH.
				Note:
				Strap 11-3/4" casing. Found 1 x damaged joint.
				Sea current: Chikyu 1.3 knot, 5 mile SW 1.8 knot @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

	WBRRT	Jetting Sub x XO x 5-1/2"DP S-140 1std x XO 8-1/2"DC 2 stds x XO 5-1/2"DP S-140 1 std x XO x WBRRT x XO 5-1/2"DP S-140 pup (6m) x 5"DP 44stds x XO x 6-5/8"DP Z-140

Hook Wt. (kN) @ 2,099.8 mBRT

Hook Load	1,652
WBRRT with wear bushing	150
Below WBRRT	140
Hook block & HPS	740
Hook block	460

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	5:00	Plt	1.13	120	40	47	8	10	3.0	0.5	10.0	0.1	71,000	0.1	0	7.0	1	14		28,100	0.55	2.90	1.0
KNPP	17:00	Plt	1.13	125	40	47	9	10	2.8	0.5	10.1	0.1	71,000	0.2	0	7.0	1	12		28,100	0.57	1.47	1.0

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

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

Personnel @24:00

CDEX	11
MQJ Crew	98
MQJ (SC,Other)	1
MQJ (Sub sea & Hyd)	2
MWJ	15
Scientist	3
Telnite	2
Oceaneering	6
Schlumberger-CMT	2
SLB WL	0
Geoservice	6
Vetco	1
Halliburton-LWD	3
Halliburton-DD	0
Weatherford (casing)	0
MI-Swaco	4
Tenaris	0
Total	154

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

Item	Received	Used	Stock
Barite (Bulk)			206,000
Kunigel-VO (Bulk)			10,800
NaCl			23,000
KCl		9,000	9,000
Tel-Polymer DX / L / H			4260/1220/680
XCD-Polymer			100
Soda Ash			200
KOH			2,050
Clean Lube			3,200
Tel Clean			0
Bi-Carbonate			2,100
Lime			1,240
Defoamer 30C			192
Telnite GXL			36
Tel DD			3,200
NaOH			800
Lignate NC			2,000
Tel Stop G / P			500 / 1000
Tel Mica C / M / F			500/0/0
Tel Plug C / M / F			500/220/0
Tan Cal M / F / FF			0/4230/4500
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
35	0	35

ROV

Status	Diving
Last Dive	
Injection Skid	100 /135 gal

Geologic Information

From	To	Lithology of cuttings

Shale Shaker

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

Centrifuge: hrs

Materials Stock on Board @24:00

Item	Unit	Received	Used	Stock
Fresh Water	m3	99.8	91.7	345.8
Potable Water	m3	0.0	7.2	306.5
Drill Water	m3	0.0	13.5	1,547.8
Fuel	m3	0.0	45.7	5,039.1
Lube, Oil	Ltrs	0.0	500.0	74,700.0
Heli Fuel	Ltrs	0.0	0.0	0.0
Cement "GWC"	ton	0.0	0.0	82.0
Cement "G"	ton	0.0	0.0	50.0

Mud Volume (m3)	
KNPP mud (1.13)	183
KNPP mud (1.12)	0
KNPP mud (1.11)	470
LCM 20% (1.13)	24
Hi-vis (1.12)	11
KNPP (1.28)	11
total	699

Heli Information

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	9:15	9:22	0	6
2				
3				
4				

Safety (HSE) and other information

Incident	Last Incident 13/Feb/2013	No. LTA
LTA		
HUNS cards	20	
Remarks		

Boat Information @24:00

Boat Name	Status	Time @Chikyu Departed	Time @Chikyu Arrived
Kaiyu	Shiingu	-	3:45
Shinchou-maru	Chikyu	-	-
Hakuryu-maru	Current survey @ 5miles SW	-	-

Marine Information @24:00

Heave (m)	0.2
Pitch (deg)	0.1
Roll (deg)	0.1
Vessel Heading (deg)	258
Riser Tension (kN)	8700
V.D. Load (Moon)	13741.1
Max Draught (m)	9.0
Thruster (kW)	1480

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	15.0	20.8	1023.0	6.9	301.0	8.7	0.8	290	4.7	1.9	92	22.0

Well Cost (1,000 Yen)

Daily	
Cumulative	

Today's Schedule : POOH WBRRT, test surface lines, lay down 17" BHA, Make up drill out cement BHA.

Reported by : S. Kataoka / S. Yamada

Approved by : Y. Uemura