Chikyu DAILY MORNING REPORT

Mission No. : CK12-06 **Exp. No. :** Exp 338 **Report No. :** 46

Site Name : C0002 **Hole Name :** C0002F **Lat.** 33° 18.0507'N **Long.** 136° 38.2029'E **Report Date :** 16/Nov/2012

Depth : @24:00 3,973.00 mBRT 2005.50 mbsf Progress : 0.00 m Seabed Depth : 1,967.50 mBRT 642.5 RT-MSL : 28.5 m

Depth : @06:00 3,973.00 mBRT 2005.50 mbsf Drilling/Coring/Jetting Hrs. : 0.00 hrs LAST CASING : 20 x 860.30 mbsf(2,827.8 mBRT)

Summary of Operation on 15-Nov : Wait on cutting skips. Drill out cement. Circulation and bottoms up. POOH. Wiper trip, RIH Anderreamer BHA.

Present Operation to 06:00 on 16-Nov : RIH to shoe. Activate Anderreamer. Ream down 20" hole.

mBRT: meter below rotary table

mbsf: meter below sea floor

Time Breakdown (00:00 - 24:00 on 15-Nov

From	To	Hrs	Code	Detail of Operation
0:00	1:15	1:15	WAIT	Continue wait on cutting skips. Approach and start loading cutting skips from Shinchou-maru @1:10. Load 26ea empty cutting skips from Shinchou-maru.
1:15	3:00	1:45	CMT	Drill out cement 2800-2858mBRT, 58m. WOB: 10-200kN, HPS: 60-90rpm x 5-17kNm, pump: 240-270spm x 22.2-28.2MPa. ROP: 0.2-2.41min/m. Confirm to bottom of cement @2858mBRT by decrease WOB and rotary torque indications. Ream down to 2867mBRT, wash down to 2905mBRT "OK". No observe kick off.
3:00	6:30	3:30	C&C	Circulation and bottoms up @2905m. Meanwhile, reciprocate and rotate HPS 10rpm, pump 270spm x 27.9MPa. Decrease to 57spm pump rate due to return and running cement contamination mud on shaker screens, clean same. Add soda ash. No trip gas.
6:30	16:30	10:00	Trip	POOH DOC assembly to surface. Gauge of #1 & #2 Stabilizer, 16-3/4".
16:30	24:00	7:30	CSG(Trip)	Wiper trip, make up and RIH 12-1/4"bit x 16-1/2"CST x 20" Anderreamer wiper trip assembly. Space out between 12-1/4" Bit, 16-1/2" CST and 20" Anderreamer, bottom is 5.335m and top 5.575m. Fill up every 15 stands. Break circulation, 200spm x 16.1MPa @1944.3mBRT. Meanwhile, Injected 5gal glycol to LMRP and BOP. Lead bulls eye, Flex Joint: 1.0deg, LMRP: 0.75deg and BOP: 0.75deg. Off load 7 full skips to Shincho-maru. Load 15ea empty cutting skips from KAIYU. Current survey around C0002 site by supply boat and watch boat. - Kaiyu - (00:00-24:00) max 4.0 knot. At the site for loading. - Shinchou-maru - (00:00-24:00) max 4.2 knot. At the site for loading. - Hakuryu-maru - (09:20-17:35) max 3.9knot. For helicopter operation. - Chikyu - (00:00-24:00) max 4.0 knot. Doppler data.

Space out from Bit	(m)
20" Anderreamer Top	5.575
20" Anderreamer Btm	5.335
16-1/2" CST	1.800
10-5/8" CST	1.590

Time Breakdown (00:00 - 06:00 on 16-Nov) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	Detail of Operation
0:00	1:45	1:45	CSG(Trip)	Continue RIH wiper trip asembly to 2783mBRT.
1:45	3:00	1:15	W&R(Other)	Activate to Anderreamer. Break circulation with 200spm x 19.0MPa. Take SCR. Confirm to free weight, downward 20-30kN and upward 20-30kN. Lower to underneath 20"CSG shoe @2837.5mBRT. Check free rotary torque, 30rpm x 3.4kNm, 60rpm x 4.4-5.0kNm. Attempt activate to Anderreamer with pump 280spm x 33MPa when could not keep pressure due to slip drive belt on #2 mud pump. Confirm to activate to Anderreamer with pump 270spm x 31.5MPa and push down weight to 70kN in 17in cemented hole @2848mBRT. While increase reactive rotary torque to max 7-10kNm and WOB max 84kN. Pick up to underneath 20" CSG shoe to 2833.5mBRT (Bit depth, Anderreamer @2827.9mBRT).
3:00	6:00	3:00	W&R	Ream down 20" hole, 2833.5-3093mBRT, 259.5m. WOB: 0-5kN, HPS: 120rpm x 4-6kNm, pump: 242-244spm x 27-29MPa. Meanwhile, change shaker screen #110 to #230.

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
RR1b	17	TiX	S-ZC	124	69633-T	3 x 24, 1 x 18	2800.0	2,858.00	58.0	0.47	10	200	60	90	12.0	1	1	WT	A	1	I	NO	BHA
	Previous dull conditions @NT3-01: 1-1-WT-A-1-I-NO-BHA																						
RR2a	12.25	NOV	DSH616D-I2	M423	A162762	5 x 12, 4 x 13																	
	20	NOV	Anderreamer			1 x 8																	

BHA Record

RR1b	17"Bit x F/Sub (w/Float) x 9-1/2"DC(1) x 17"Stab x 9-1/2"DC(1) x 17"Stab x 9-1/2"DC(1) x XO x 8-1/2"DC(6) x XO x 5.68"HWDP(12) x XO x 5"DP S-140 5std x XO x 5-1/2"DP S-150.
RR2a	12-1/4" Bit x XO x CST x AR x F/S x 9-1/2"DC(2) x 17" Stab x 9-1/2"DC(1) x XO x 8-1/2"DC(3) x Jar x 8-1/2"DC(3) x XO x 5.68"HWDP 12stds x XO 5"DP S-140 46 stds x 5-1/2"DP S-150

Hook Wt. (kN) @ 2,365.0 mBRT

BHA	1,000
below HWDP	940
below Jar	880
Hook Load	1700
Traveling block & HPS	750

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
KNPP	03:30	2,905	1.10	78	24	34	5	7	4	0.5	10.8	0.3	49,700	Tr	0	6.0	24,700	2.0	1.25	16	16	0.50	2.58
KNPP	14:00	Pit	1.10	76	31	30	5	13	4.2	0.5	12.0	0.5	49,000	Tr	0	6.0	24,700	2.0	1.25	17		0.59	1.51
KNPP	16:00	Hi-vis	1.10	260	49	83	17	22			10.0		50,400							18		0.46	7.72

Mud Pumps : 14-P-220 @ 1944.3 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"	200	996	16.1	24	20
2	6"					
3	6"					

Personnel @24:00

CDEX	7
MQJ Crew	94
MQJ (Other)	2
MQJ (Add subsea E)	3
MWJ	15
NME	0
Scientist, IODP	16
Telnite	2
Oceaneering	6
NOV	1
MI Swaco	4
AXON	0
SES	0
Vetcogray	2
Geoservices	2
Schlumberger-CMT	2
Schlumberger-DD	0
Schlumberger-LWD	0
Franks	0
Blohm Voss	1
NOV-Anderreamer	1
Shinsei kougyo	0
TV Crew	0
Total	158

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

Item	Received	Used	Stock
Barite (Bulk)	0	1,000	476,000
Kunigel-VO (Bulk)	0	0	65,000
NaOH	0	0	1,175
Lime	0	0	440
NaCl	0	0	35,000
KCl	0	0	38,000
Tel-Polymer DX / L / H	0/0/0	0/0/80	6860/5080/2620
XCD-Polymer	0	25	1,500
Soda Ash	0	0	1,925
KOH	0	0	1,100
Bi-Carbonate	0	300	250
Clean Lube	0	0	10,400
Tel DD	0	0	3,400
Lignate NC	0	0	4,800
Astex S	0	0	0
Treat HS	0	0	2,280
Defoamer 30C / 15	0	0	224/160
Telnite GXL	0	0	396
Tel Clean	0	0	828
Baracor-100 (gal)	0	0	110
Tel Stop G / P	0/0	0/0	2160/1000
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	1500/3000/500
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	3
Kaiyu	0	Full	34
Shincho-maru	0	Back up	1
Offload (F)		S.Boat (E / F)	0/7
Kaiyu	-	@ Shingu	0
Shincho-maru	7	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	5.00
No.2	#20 x 3/#110 x 4	No.5	#20 x 3/#110 x 4	No.2	5.00
No.3	#20 x 3/#110 x 4	No.6	#20 x 3/#110 x 4	No.3	5.00

Materials Stock on Board @24:00

Item	Unit	Received	Used	Stock
Fresh Water	m3	196.0	90.0	350.0
Potable Water	m3	0.0	16.3	140.1
Drill Water	m3	0.0	17.7	1,937.3
Fuel	m3	0.0	68.1	4,781.9
Lube, Oil	Ltrs	0.0	0.0	99,100.0
Heli Fuel	Ltrs	0.0	0.0	800.0
Cement "G"	ton	0.0	29.0	327.0

Heli Information

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	09:14	09:20	1	1
2	11:22	11:32	2	7
3				

Safety (HSE) and other information

Incident	Last Incident	No. LTA
LTA		
HUNS cards	17	
Remarks		

Boat Information @24:00

Boat Name	Status	Time @Chikyu Departed	Time @Chikyu Arrived
Kaiyu	Chikyu		
Shinchou-maru	Chikyu		
Hakuryu-maru	to Katsuura	17:35	09:20

Mud Volume (m3)	
Kill Mud (1.30sg)	44
Hi-vis Mud (1.10sg)	35
KPP Mud (1.07sg)	350
Slug Mud (1.26sg)	20

Marine Information @24:00

Heave (m)	0.3
Pitch (deg)	0.2
Roll (deg)	0.2
Vessel Heading (deg)	280
Riser Tension (kN)	8400
V.D. Load (Moon)	12834.3
Max Draught (m)	9.0
Thruster (kW)	4580

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	22.6	1022.4	15.6	350.0	17.2	1.2	320	6.4	3.6	92	22.0

Today's Schedule : Ream down 20"hole. Open hole and drill down to 3976mBRT (3m). POOH.

Reported by : S . Kataoka / T. Otani

Approved by : T. Saruhashi