

Chikyu DAILY MORNING REPORT

Mission No. :

CK12-06

Exp. No. :

Exp 338

Site Name : **C0002** Hole Name : **C0002F** Lat. **33° 18.0507'N** Long. **136° 38.2029'E**
 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

Summary of Operation on **13-Nov** : Plug back Cement. WOC. Tag on TOC. Pressure test to cement. Investigation for function BOP. POOH.
 Present Operation to 06:00 on **14-Nov** : POOH above BOP. Perform function test DVS and SSR. POOH.

Time Breakdown (00:00 - 24:00 on **13-Nov**)

From	To	Hrs	Code	Detail of Operation
0:00	2:45	2:45	P&A(Trip)	Continue to RIH diverter assembly to 2978mBRT.
2:45	3:15	0:30	C&C(N)	Connect HPS. Break circulation. Spot 30m3 x 250" Hi-vis mud displace with 240spm 3.1MPa.
3:15	4:00	0:45	Trip (N)	POOH slowly to 2875mBRT.
4:00	4:45	0:45	C&C(N)	Connect HPS. Circulation with 240spm x 16MPa. Check pump pressure and mud return with the previous circulation. Suppose half volume of hi-vis mud return to active tank through activated pop off valve.
4:45	5:30	0:45	Trip (N)	Run back to 2938mBRT. Prepare 18m3 of Hi-vis mud.
5:30	5:45	0:15	P&A(C&C)	Break circulation with 160spm x 8.9MPa. Spot 18m3 of Hi-vis mud with 160spm x 9.0MPa. Displace 28m3 of KNPP mud.
5:45	6:00	0:15	P&A(Trip)	POOH slowly to 2875mBRT.
6:00	6:15	0:15	P&A(C&C)	Break circulation with 160spm x 8.9MPa.
6:15	6:30	0:15	P&A(Other)	Pick up and make up TIW x SES x TIW x pup joint.
6:30	8:45	2:15	P&A	Conduct plug back cement for suspend hole. Test cementing line with 2000psi x 10min "OK". Pump 20bbl of seawater, 140bbl of 1.89sg cement slurry, 1.1bbl of seawater and displace with 152bbl of 1.10sg KNPP mud. All pumping by cementing unit.
8:45	9:00	0:15	P&A(Other)	Rig down TIW x SES x TIW and pup joint.
9:00	10:15	1:15	P&A(Trip)	POOH slowly to 2565mBRT.
10:15	10:30	0:15	P&A(C&C)	Drop sponge ball and circulation 47m3 of KNPP mud with 160spm x 8.6MPa.
10:30	17:45	7:15	P&A	WOC @2565mBRT. Meanwhile WOC, rotate HPS with 10rpm. Flow check by trip tank.
17:45	18:00	0:15	P&A(C&C)	Break circulation with 160spm x 8.8MPa.
18:00	19:00	1:00	P&A	Lower to TOC, confirm indication for cement @2800mBRT, tag 30KN @2806mBRT. (28m lower than planned)
19:00	19:15	0:15	P&A(Other)	Pick up and make up TIW x SES x TIW x pup joint and test line.
19:15	20:00	0:45	P&A	Perform #1 test pressure line with 1000psi x 5min "OK".
20:00	20:30	0:30	P&A(Other)	Pick up and make up additional test line due to space out for lower pipe ram.
20:30	20:45	0:15	P&A	Perform #2 test pressure line with 1000psi x 5min "OK".
20:45	21:15	0:30	P&A	Perform pressure test to cement with 470psi x 15min "OK" @2791mBRT. Pump: 2.2bbl, bleed off: 2.0bbl.
21:15	22:00	0:45	BOPE	Investigation for function BOP.
22:00	22:30	0:30	P&A(Other)	Rig down TIW x SES x TIW and pup joint.
22:30	24:00	1:30	BOPE(Trip)	POOH above BOP.
18:00-03:00 14th Nov. Perform BOP troubleshoot • Found leak on check valve • Found leak on check valve • Found no leak on hot line. • Found no leak on system • Found proper action on D				
Recover ROV to surface @1:40. Dive ROV @11:45. Watch Wellhead and BOP.				
Off load 20 empty cutting skip to supply boat Shincho to make space riser bay (Prepare for BOP recovering). Off load 8ea empty cutting skip to supply boat Kaiyu to make space riser bay (Prepare for BOP recovering).				
Current survey around C0002 site by supply boat and watch boat. - Kaiyu - (00:00-16:00) max 5.5 knot. 5 miles SW from Chikyu and at the site for loading. - Shinchou - (00:00-07:00, 17:30-24:00) max 3.9 knot. at site for loading. - Hakuryu - (00:00-24:00) max 4.3knot. 5miles & 1 mile SW from Chikyu. - Chikyu - (00:00-24:00) max 3.8 knot. Doppler data.				

Time Breakdown (00:00 - 06:00 on **14-Nov**) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	Detail of Operation
0:00	0:45	0:45	BOPE(Trip)	Continue to POOH to 1919mBRT. 7"diverter above BOP.
0:45	2:30	1:45	BOPE	Perform function test DVS and SSR without isolating acoustic accumulator. DVS shear ram : function test without acoustic accumulator closed. Normal close: 20sec, flow count: 91.7L. Normal open: 21sec, flow count 75.7L. High pressure close: 23 sec, flow count 92.9L. Normal open: 23sec, flow count 82.9L. Super shear ram : function test without acoustic accumulator closed. Normal close: 45sec, flow count 282.5L. Normal open: 30sec, flow count 154.3L. High pressure close: 42 sec, flow count 278.7L. Normal open: 43sec, flow count 225L. Suppose acoustic accumulator disturb. Perform pressure test to blind shear ram under ST lock in, ram block and ST lock out with cement plug, 500psi x 10min "OK". Pump: 2.1bbl, bleed off: 1.8bbl.
2:30	6:00	3:30	Trip	Resume POOH to 292mBRT suspended displacing with seawater.

Bit Record

Bit No.	Size (in)	MFR	Type	IADC Code	S/No.	Nozzles	Depth (mart)		Meter-age	Hrs.	WOB (kN)		rpm		Total Rev. (krev)	Inner
							From	To			Min.	Max.	Min.	Max.		

BHA Record

Plug Back	7" Diverter x "DC(1) x 5"DP (S-140) 46 stds x 5/12"DP(S-150)
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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	02:00	Pit	1.10	78	25	28	4	7	3.8	0.5	10.0	0.2	50,400	Tr	0	6.0	26,400	2.0	1.25	18		0.56	1.64
KNPP	17:00	Pit	1.10	84	32	34	7	8	3.6	0.5	9.4	0.1	50,400	Tr	0	6.0	25,800	2.0	1.25	17		0.57	1.89
Hi-vis	05:40	Hi-vis	1.10	220	40	56	16	20			10.6											0.50	4.19

Mud Pumps : 14-P-220 @ 2938.0 mBRT

No.	Liner Size	SPM	GPM	Press. (MPa)	Ann. Vel. (m/min)
1	6"	160	797	9.0	5"DP
2	6"				5.5"DP
3	6"				18

Geologic Information

From	To	Lithology of cuttings

Shale Shaker

No.1	#20 x 3/#230 x 4	No.4	#20 x 3/#230 x 4	No.1	8.00
No.2	#20 x 3/#230 x 4	No.5	#20 x 3/#230 x 4	No.2	8.00
No.3	#20 x 3/#230 x 4	No.6	#20 x 3/#230 x 4	No.3	8.00

Materials Stock on Board @24:00

Item	Unit	Received	Used	Stock
Fresh Water	m3	26.2	108.2	150.3
Potable Water	m3	147.2	126.7	166.3
Drill Water	m3	0.0	13.3	1,973.3
Fuel	m3	0.0	58.1	4,916.6
Lube, Oil	Ltrs	0.0	500.0	99,800.0
Hell Fuel	Ltrs	0.0	0.0	800.0
Cement "G"	ton	0.0	0.0	356.0

Boat Information @24:00

Boat Name	Status	Time @Chikyu

Personnel @24:00

CDEX	7
MQJ Crew	95
MQJ (Other)	1
MQJ (Add subsea E)	3
MWJ	15
NME	0
Scientist, IODP	16
Telnite	2
Oceaneering	6
NOV	0
MI Swaco	4
AXON	0
SES	0
Vetcogray	2
Geoservices	2
Schlumberger-CMT	2
Schlumberger-DD	0
Schlumberger-LWD	2
Franks	0
Blohm Voss	0
NOV-Anderreamer	0
Shinsei kougyo	5
TV Crew	0
Total	162

Mud Materials on Board @24:00hrs

Item	Received	Used	Stock
Barite (Bulk)	0	0	477,000
Kunigel-VO (Bulk)	0	0	65,000
NaOH	0	0	1,175
Lime	0	0	520
NaCl	0	0	35,000
KCl	0	0	38,000
Tel-Polymer DX / L / H	0/0/0	0/0/0	6860/5080/2700
XCD-Polymer	0	25	1,525
Soda Ash	0	0	1,925
KOH	0	25	1,400
Bi-Carbonate	0	0	550
Clean Lube	0	0	10,400
Tel DD	0	0	3,400
Lignite 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

Mud Volume (m3)

Boat Name	Origin	Departed	Arrived
Kaiyu	Shingu	04:10	
Shinchou-maru	Chikyu	12:00	20:30
Hakuryu-maru	Chikyu		

Kill Mud (1.30sg)	44
KNPP Mud (1.10sg)	219
KPP Mud (1.07sg)	350

Speeder P / X	0	0	1,700/1,700
Rester	0	0	0
Telnite OS-5	0	0	120
Telnite HEC	0	0	100

Weather Information

Time	Weather	Temp. (degC)		Barometer (hPa)	Wind			Wave			Current		Visibility (km)
		Air	SW		Speed (m/s)	Dir. (deg)	Gust (m/s)	Height (m)	Dir. (deg)	Period (s)	Speed(knt)	Dir. (deg)	
24:00	bc	15.0	22.6	1007.7	13.0	297.0	15.3	1.4	270	6.1	3.1	90	22.0

Today's Schedule : Make up and RIH DOC assembly. Drill out cement. Meanwhile, preparation for drill 12-1/4" x 20"hole (call back to Chikyu for 3rd party persons, loading cutting skips).

Riser Tension (kN)	8400
V.D. Load (Moon)	12906.0
Max Draught (m)	9.0
Thruster (kW)	3330

Reported by : T. Otani / D. Ikenomoto

Approved by : T. Saruhashi