

Chikyu DAILY MORNING REPORT

Mission No. :

CK12-06

Exp. No. :

Exp 338

Report No. :

88

Site Name : C0021(C0022) Hole Name : C0021A Lat. 33°10.0482'N Long. 136°39.8454'E Report Date : 28/Dec/2012
 Depth : @24:00(C0021) 3,263.00 mBRT 294.00 mbsf Progress : 273.00 m Seabed Depth : 2,969.00 mBRT RT-MSL : 28.5 m
 Depth : @06:00 - mBRT - mbsf Drilling/Coring/Jetting Hrs. : 10.00 hrs LAST GAGE : - x mbsf(- mBRT)
 Summary of Operation on 27-Dec : Drill LWD hole. Spot kill mud. POOH to surface. Move vessel to C0022 site. Drop transponder.
 Present Operation on 28-Dec : DP calibration. Moving up current. mBRT: meter below rotary table
 mbsf: meter below sea floor

From	To	Hrs	Code	Detail of Operation	Sensor Offset from Bit (m)	Survey Data
0:00	1:00	1:00	W&R	Continue to wash down 2990-3009.0mBRT (24-40mbsf, 16m) with 140gpm x 11.4Mpa. WOB: 0-4kN. Control drilling (Set auto driller, Ave. ROP: 40m/hr, Max 40m/hr).	GVR Gamma Ray 1.12 Ring Resistivity 1.39	depth (mBRT) inclination (deg) azimuth (deg) 2,969.00 0.00 0.00
1:00	11:00	10:00	DRL	Drill 12-1/4" LWD hole 3009.0-3263.0mBRT (40.0-294.0mbsf, 254m) WOB: 0-40kN, Pump: 140gpm x 11.2-11.7MPa, HPS: 15-80rpm x 0-15kNm 40-45mbsf: 15rpm x 1.8-2.5kNm 45-50mbsf: 30rpm x 0-5.0kNm 50-60mbsf: 45rpm x 0-5.0kNm 60-65mbsf: 60rpm x 0-5.0kNm 65-103mbsf: 80rpm x 1.6-1.5kNm 103-294mbsf: 80rpm x 1.6-1.5kNm Sweep out 5m3 of SWG before connection from 100mbsf. Meanwhile, Lay down 5" DP (S-140) 28 js that used in bottom section of stuck string in C00021.	BD Resistivity 1.59 BM Resistivity 1.77 BS Resistivity 1.89 APWD 5.94 ARC Resistivity 6.55 ARC Gamma Ray 6.70 IWOB 10.84 D=1 14.19	2,977.21 0.26 342.36 3,015.34 0.14 259.64 3,053.85 0.09 306.88 3,092.05 0.15 280.85 3,130.20 0.12 325.36 3,168.62 0.09 292.95 3,206.71 0.08 298.27
11:00	11:30	0:30	C&C	Spot 23m3 of 1.30sg kill mud.		
11:30	16:00	4:30	Trip	POOH to surface. Observed over pull 80kN @ 3175-3175mBRT, no over pull at other section. (11:45) Bit above sea bed. (16:42) Start Vessel drift to down stream, drift speed 1.0knot @ current 3.0knot. Gauge of Stabilizer #1: 12-1/8" (In gage) and #2: 12-1/8" (In gage). End of job for C0021A hole.		
16:00	20:30	4:30	Move	Start of job for C0022A hole. Move vessel to C0022 site. (W12:13A) Meanwhile, download LWD data in rig floor. Break bit. Rack back LWD assembly in derrick. Service HPS.		
20:30	24:00	3:30	Other	Deploy transponders. (19:50) Vessel arrive at BCN #308 deploy point. (20:31) Deploy BCN #308. (21:00) BCN #308 on seabed. Move vessel. (22:05) Vessel arrive at BCN #808 deploy point. (22:18) Deploy BCN #808. (22:45) BCN #808 on seabed. Move vessel. (23:35) Vessel arrive at BCN #807 deploy point. (23:50) Deploy BCN #807. Meanwhile, remove one airraft warning light that attached for Seabeo area from derrick. Install wind sock. Lay down 5"DP (S-140) 4 js (total: 32js) in auxiliary well.		

Time Breakdown (00:00 - 06:00) on 28-Dec. * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	Detail of Operation
0:00	1:45	1:45	Other	Continue to deploy transponders. (00:19) BCN #807 on seabed. Move vessel. (01:08) Vessel arrive at BCN #311 deploy point. (01:16) Deploy BCN #311. (01:43) BCN #311 on seabed.
1:45	5:30	3:45	Other	DP calibration. (1:45-2:28) Move vessel to well center. Meanwhile, Lay down 6-5/8" UD-165 Landing string at main well. Break connection by manual tong. (2:30-5:30) DP calibration. (5:00-5:30) Prepare running LWD assembly. MU bit and LWD assembly, check LWD tool. (5:30-6:00) LWD shallow test on going.
5:30	6:00	0:30	Other	Move vessel up current 1.5mie from well center on going.

Bit Record

Bit No.	Size (in)	MFR	Type	IADC Code	S.No.	Nozzles	Depth (mBRT)	Meter-age	Hrs.	WOB (kN)	rpm	Total Rev. (krev)	Inner	Outer	Dull Condition
RR2d	12.25	NOV	DSH606D-I2	423	A162762	12 x 7, 11 x 2	3113.00	350.0	7.60	5	40	15	80	29.5	
RR2f	12.25	NOV	DSH606D-I2	423	A162762	12 x 7, 11 x 2	2969.00	294.0	9.17	5	40	15	80	35.6	1

BHA Record

LWD RR2d 112-1/4" Bit x GVR-8 with 12-1/8" Stab (with float valve) x ARC-8 x Telescope 825HF x NM XO sub x NMDG x 12-1/8" Stab x 8-1/2" DC(D) x 7-3/4" L Jar x 8-1/2" DC(D) x XO x 5-1/2" DP S-150 (12) x XO x 5-1/2" DP S-150 (2) x XO x 5-1/2" DP S-150 (1)

Mud Properties

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St. (10", 10')	WL	Cake	pH	PI	Cl-	Sand	Oil	Solid	K+	LGS	MBC	Temp (In/Out)	n	K
SWG		Plt	1.04	90	8	57	20	20		10.9										0.17	22.88
kill mud		Plt	1.30	98	26	38	22	40		8.8										0.51	2.66

Mud Pumps - 14-P-22D @ 3263.2 mBRT 4.58 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (MPa)	Ann. Vel. (m/min)
1	6"				DC DP
2	6"	140	697	12.4	89
3	6"				49

Personnel @24:00

Item	Received	Used	Stock
CDX	8		
MQJ Crew	93		
MQJ (other)	1		
MQJ (Add subsea E)	2		
MWJ	20		
NME	0		
Scientist, IODP	16		
Scientist, Telsite	1		
Oceanengineering	0		
NOV	0		
MI Swaco	0		
AXON	0		
SES	0		
Vetlogray	0		
Geoservices	0		
Schlumberger-CMT	0		
Schlumberger-WIL	0		
Schlumberger-LWD	2		
Frank's	0		
Blohm Voss	0		
NOV-Anderneamer	0		
Riser Inspector	0		
Core-IRM	5		
Total	148		

Mud Materials on Board @24:00hrs

Item	Received	Used	Stock
Bante (Bulk)	0	9,000	332,000
Kunigel-V0 (Bulk)	0	0	2,000
NaOH	0	0	0
Lime	0	0	1,820
NaCl	0	0	14,000
KCl	0	0	0
Tel-Polymer DX / L / H	0/0/0	0/0/0	0/4080/2060
XCD-Polymer	0	0	325
Soda Ash	0	0	1,350
KOH	0	0	2,225
Bi-Carbonate	0	0	1,000
Clean Lube	0	0	6,400
Tel DD	0	0	0
Lignite NC	0	0	4,800
Admix S	0	0	0
Treat HS	0	0	0
Defoamer 30C / 15	0/0	0/0	176/160
Telinite GXL	0	0	342
Tel Clean	0	0	0
Baracor-100 (gal)	0	0	0
Tel Stop G / P	0/0	0/0	0/0
Tel Mica C / M / F	0/0/0	0/0/0	0/0/0
Tel Plug C / M / F	0/0/0	0/0/0	0/0/0
Tan Cal C / M / F / FF	0/0/0/0	0/0/0	0/0/0/0
EZ Spot	0	0	0
Speeder P / X	0/0	0	0/0
Reater	0	0	0
Telinite OS-5	0	0	0
Telinite HC-S	0	0	0

Geologic Information

From	To	Lithology of core

Materials Stock on Board @24:00

Item	Unit	Received	Used	Stock
Fresh Water	m3	97.3	100.4	275.0
Potable Water	m3	0.0	10.8	257.1
Drill Water	m3	0.0	8.0	834.6
Fuel	m3	0.0	48.9	2,543.3
Lube, Oil	Ltrs	0.0	0.0	68,300.0
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
Shincho-maru	Chikyu	(12/28 1:25)
Hakuryu-maru	Chikyu	00:00

Weather Information

Time	Weather	Temp. (degC)	Barometer (hPa)	Wind (m/s)	Wave Height (m)	Wave Dir. (deg)	Wave Period (s)	Current Speed(knt)	Current Dir. (deg)	Visibility (km)		
24:00	bc	10.0	1028.2	3.8	0.2	6.2	0.8	4.0	7.6	3.3	83	22.0

Today's Schedule : Run LWD assembly. Drill LWD hole.

Reported by : S. Kataoka / D. Ikenomoto
 Approved by : I. Sawada