Chikyu D	AILY MOR	NING REPO	RT		Mis	sion No. :	CK12-02		Exp. No	<u>o.: Exp</u> ;	343		Report No. :	44
Site Name :	@24:00	JFAST3 7,337.0	mBRT 41	Hole Na 19.0 mbsf	ame : Progre	C0019E ss : 245.0 n	Lat.	37 ° 56.3343'N	8.00 mBRT	Long.	143°54.8084'E RT-MSL: 28.5	m	Report Date :	15/May/2012
	@06:00	7,337.0	mBRT 41	19.0 mbsf			Drilling/Coring/Jett	ing Hrs. : 17			LAST CASING :	×	mbsf	
		ary of Operation eration to 06:00				Cut RCB test core. RC Drop and recover de-		r bit.					mBRT: meter below	rotary table
From	Time Br	eakdown (00:00 - Hrs	24:00 on Code	14-Mav) of Operation								mbsf: meter below :	sea floor
0:00	3:15	3:15	Drlg (N)	Install sinker ba	r for recovering cen	ter bit assembly.					bly and recover same. per inner assembly. 34min from drop.			
				Run CE Trouble	BRT with sinker bar shoot on CBRT due	by core line. Meanwhil to unreleased from lat	le pump 10-20spm x tch assembly. No da	0.3MPa, HPS 10r mage on center b	pm. Latch with t. Debris onto	center bit assen center bit and up	bly and recover same. per inner assembly.			
3:15	4:00	0:45	Other	EBT connection	of DP and prepara	tion for coring.	T (174-176 5mbef)	No fill on bottom						
4:00	8:00	4:00	Core	Cut RCB test co	ore 7094.5-7104mB	RT (9.5m, 176.5-186m	bsf).							
				(04:08- Confirm	04:42) Drop inner bin circulation pressur	arrel. Latching inner ba e with 40-50-60-70-80s	arrel by monitor pum spm x 1.4-2.3-3.4-4.	p pressure increa: 3-5.5MPa.	e 50spm x 1.2	to 2.3MPa after	34min from drop.			
				(04:49-	04:54) RCB coring.	Pump 60spm x 4.0MP	a, HPS 60 rpm x 2-4	kNm, WOB 0-60k	N. ROP 60m/hr	r. o ouron 10com v	0.3MPa, HPS 10rpm.			
				No.		On Deck from	n to	Advance	Rec	covery	Lithology		Remarks	
					RCB	07:52 7094	mBRT .5 7,104.0	m 9.5	m 8.55	% 90	soft mud stone w/volc. ash	Test coring to m	ake sure drilling a hole (high-RO	P doubt to run into the nearest
8:00	9:00	1:00	Circ									LWD hole).		
9:00	22:30	13:30	Circ Drlg	RCB drilling 710	04-7337mBRT (186	-419mbsf).	e, preparation for ce	iter bit furning.						
				(09:00- WOB 0	09:32) Drop center -70kN, Pump 90-12	bit. Latching center bit 0spm x 13.0MPa, HPS	by monitor pump pre 80-120rpm x 2.4-7.	ssure increase 1. 5kN-m, ROP 20-5	to 2.1MPa afte)m/hr.	er 32min from dro	эр.			
				Meanw (15:00-	hile, pump 10m3 hi- 17:30) Drilling parar	vis mud at every single meter vs ROP analysis	e joint during drilling. 7218-7268mBRT (3	00-350mbsf) requ	ested by scient	ist				
					Drilling p	arameter; pump rate 1	20-110-100-90-80sp	n / WOB 70-50-40	-30kN / HPS 1	20-110-100-90-8	0-70rpm.			
				(17:30-	WOB 0-7	7268-7337mBRT (350- 0kN, Pump 90-120spr	419mbst). n x 13.0MPa, HPS 8	0-120rpm x 2.4-7.	5kN-m, ROP 20)-50m/hr.				
					Meanwhi Sweep 1	le, sweep 15m3 hi-vis 0m3 (1st joint) 10m3 (mud at every single 2nd Joint) and 20m	oint during drilling 3 (Last Joint) of hi	on quad stand. vis mud during	drilling on triple :	stand			
				*Hole c	ondition itself is goo	d but pump pressure ir	ncrease to 12 to 16-	7 MPa and decre	ase ROP while	drilling in the late	half of the std.			
22:30	23:15	0:45	Circ	Circulation botto	oms up. Pump 120:	spm x 11MPa, HPS 40	rpm.	annulus incuori.						
23:15	24:00	0:45	Drlg (N)	Install sinker ba Run CE	r for recovering cen RT with sinker bar	ter bit assembly @733 by core line. Meanwhil	7mBRT, 419mbsf. le pump 10-20spm x	0.3MPa, HPS 10r	pm. Latch with	center bit assen	0-70rpm. stand. half of the std.			
	Time P	eakdown (00:00 ·	- 06:00 on	15-Mav) * The data	on 00:00 - 06:00 is und	official							
From	То	Hrs	Code	Detail	f On a set is a									
0:00	2:15	2:15	Drlg (N)	Continue recove Latch w	ering for center bit a vith center bit assem	ssembly @7337mBRT bly and recover same.	, 419mbsf. Debris and mud ca	ke into center bit.	No dull conditio	on of center bit.	out. Smin from drop. er assembly. Confirm latch in			
	3:15	1:00	Circ	Observ Sween out 20m	ed scratch damage	onto one inner core tul n 160spm x 15 0MPa	be. HPS 20mm							
2:15	I	1:00	Circ	Meanw	hile, prepare and re	place center bit assem	bly. Change center	bit (HR) and one i	iner core tube.	Checked space	out.			
3:15	6:00	2:45	Drlg (N)	(03:25-	er ae-plugger. 04:00) Drop de-plug	ger. Latching de-plug	ger by monitor pump	pressure increase	50spm x 1.5 to	o 2.3MPa after 3	5min from drop.			
				(04:00-	06:00) Drop de-plug	ger, then after run CBF	RT with sinker bar by	core line recover	same. No dam	age on de-plugg	er assembly. Confirm latch in	lication.		
Bit Record	·	· · ·		·										
1 · 1 ·	Size N	FR Typ		ADC S//	No. Nozzles	Depth (m From	BRT) I To	Aeter- age			rpm Total Rev. Max. (krev)	Inner Outer	Dull Condition Dull Loc. B G	O.D. RP
2 10	I-5/8 H	CC BHC4	\$10C	7138	3607 10 x 13/3	6918.0	7,338.0	420.0 18	00 0	80 80	120 83.1			
BHA Record		Care hit v DCP or	are barrel (u/l or	a bit out and 10 Ei	(0" atab) v 10 5/0"Cor	ing stok v 8 1/2" Coro D	C (2ito) x 10 5/8" Corio	a atab y 9 1/2" Cara	DC (0ite) H				Hook Wt. (kN) @ Total Hook Weight	7,338 mBRT 3,850
	·····	XO x 5.68" HWDI	P (12jts) x XO x	5" S140 pre. (68std	is) x 5-1/2" S140 pre.	ing stab x 8-1/2" Core DC (36stds) x XO x 5-1/2" S	150 pre. (53stds) x 5-1	/2"S150 New (18sto	ls) x 6-5/8" Z-140) New			Pick Up Weight	3,850
Mud Properties	8												Slack Off Weight HPS & Traveling bloc	k 750
Muc	І Туре	Time	Depth (mBRT)	MW VIS	PV YV	Gel St. WL	Cake pH Pf	CI- K+	LGS PPG	MBC n	K Temp In Out			
Sea W	/ater Gel	24:00	Pit	1.04 112	12 51	16 17	11.2			0.25	13.13 17			
Mud Pumps : 14	1-P-220 @	7338.0 mBRT	5.00	gallon/stroke @	297% Pe	rsonnel @24:00	Mud	Aaterials on Board (224:00hrs		(unit: kg)	Helicopter I	nformation	
No. Line	r Size S	PM GP	M	ess. Ann. IPa) (m/r	CL	EX J Crew	11 94 Barite	(Bulk)	Rei	ceived 0	0 557,500	Fit.	Time Arrived Departed	Passenger Are. Dept.
	6	20 60	,	3.0	MC	J (Other)	0 Bento	nite (by S.Lanka)		0	0 0	1	Juned	Juc. Bop.
	6 ¹ 6	20 00			- MV Sc	VJ ientist	27 NaO	el-VO (Bulk)		0	15,000 148,700 550 7,725	2		
Geologic Inform From	ation To	1	Litho log	IY	— F	Telnite	1 Lime	Polymer		0	560 7,640 0 100	4		
						Sch-LWD	0 Reste	ſ		0	0 3,000	Safety (HSI	E) and other information	
						Sch-WL Magnum		or-100 (gal) e OS-5		0	0 110 0 120	Incident	Last Incident	No. LTA
Materials Stock	on Board @24:00				F	Franks WWT	0			0	0 0	LTA HUNS card	s 14	_
l	em	Unit Rece	eived U 99.3	sed Sto	203.2	OCC NOV	2			0	0 0	Remarks		•
Fresh Water Potable Water Drill Water		m3 m3	99.3 0.0	93.8 5.4	131.2	Kaiyodenshi	0			0	0 0			
					826.2 ,266.5	Core-IRM Other	3			0	0 0			
Lube, Oil Heli Fuel			0.0	500	95,900 800.0		Marin Heav	e Information @24:	00	0.5	1			
Hell Fuel		Ltrs		0.0			Pitch	(deg)		0.3	1			
					Tr	otal	161 Roll (Vess	deg) I Heading (deg)		0.1 88	1			
Boat Information			π.	me	Dre	Mud Volume (m3) e-Hyd.	Riser	Tension (ton) .oad (Moon)		- 10778.7	}			
Boat Nan No.18 Kaiko		Status	Departed	Arrived	Kill	mud (1.30sg)	71 Max I	Draught (m)		9.0	1			
		Chikyu				a Water Gel	70 Thrus 102	ter (kW)		150	J			
Weather Inform Time		Temp. ((degC)	Barometer	. <u></u>	Wind	_	Wave			Current Visibili	tv		
24:00	Weather	Air	SW	(hPa) 1019.2	0 F	Dir. (deg) Gust (n	n/s) Height (m) 1.3	Dir. (deg)	Period (s) 8.1	Speed(knt)	Dir. (deg) (km)			
L	DC DC	13.0			0.0	156.0 7.7		x	8.1		218 22			

Today's Schedule : Drop Center Bit. Continue RCB drilling to core point @7568mBRT, 650mbsf