Chikyu DAILY MORNING REPORT						<u>Mission No.:</u> <u>CK18-04</u> Lat. 33 ⁶ 18.0507'N Long.					Exp. No. : Exp 358 136 [•] 38.2029'E Seabed Depth : 1,96								Report No. : 28.5 m Report Date :				139 23/Feb/2019	
Depth :	@24:00	4,816.0	Hole Name mBRT 284 mBRT 284	18.5 mbsf	Pro	Lat. 33 ogress : 0.1 LAST CASING :	0 n	n	Drilling/Co	<u>136 38.2</u> pring/Under 2,802.50	reaming	g Hrs. :	0.0	00 hrs	Last	BOP PT: BOP FT:	1/	T-MSL : /28/2019 /14/2019	28.5	m Next BOF Next BOF	PT:	e: 2/22/201 2/22/201	9	
	@06:00 Summary o sent Operati	f Operation	on 22-	Feb :	#1 plug l	back cement	ting. W			2,802.50 /ash dov	vn to 4	4,770 1,747m	BRT.	Circulate a				14/2010		Last Glyc	ol 35gal Inj. RT: meter bel	2	20/2019	
Tir From	ne Breakdov To	vn (00:00 - Hrs		22-Feb Depth(mBRT))	ng bottom u	<i>.</i>							Detai	l of Ope	ration					sf: meter belo		510	
0:00	2:45	2:45	P&A	4,816.0	Lay	t #1 plug bac vout single a	nd mal	ke up Si	de Entry	Sub (SE	S) as	sembly	/. Inst	all cement	hose v	with lo-to	orc valve	on SES	S. Hold	TBRA.				
					Disj Clos	place surface se FOSV ab	e line w ove SE	vith 2.2n S. Appl	n ³ (13.8b y 3.5MP	bl) of 1.6 a above	0sg M FOSV	lud pu: '. Loca	sh II s te bot	pacer and tom of dive	0.6m ³ rter at	(4.2bbl) 4,780m) of 1.35s nBRT.	sg mud	using r	ig pump.				
					Pun	en lower lo-to np 7.7m ³ (48	.4bbl)	of 1.90s	g G cem	ent slurr	y from	ceme	nt uni	t at 4.0-4.5	bpm.									
					Clos	sh surface lir se lo-torc val	lve and	l open F	OSV.															
					Dis	place cemen Reduce flo up DT135 m	t with 4 w rate	48.2m ³ (from 50	303bbl) Ogpm to	(2,554stl 125gpm	s, inc in las	luding t 2.6m	space 3. No	er volume in losses thro	n surfa ugh ce	ace line) ementin) of 1.35s g operation	a mud a on. Esti	at 500c imated	100 at 4 TOC	,630mBRT			
2:45	4:00	1:15	TRIP	4,816.0	Rack ba	ck SES stan	d in de	rrick. P	rig floor v DOH dive	vhile cer erter at 9	nentin .1m/m	g oper nin fron	ation. n 4,78	30mBRT to	4,550	mBRT ((80m abo	ive plan	ned TO	DC).				
4:00	7:00	3:00	C&C	4,816.0	Drop spo	flow back fro onge ball in s	string.	Circulate	e 1x bott	om up at	800g	pm / 1	5.6MF	Pa. Start bo	osting	riser at	t 450gpm	after fi	nish bo	ottoms up	below well	head.		
7:00	12:15	6.15	CMT	4 916 0	Obs	ciprocate stri	m pH o	f 11.7 ar	nd 1.36sa	return m	ud at s	surface	after 4	466m ³ pump	oed, the	en both o	decreasing	g trend.	No pur	e cement	returns. Tot	al 510m3	pumped.	
7.00	13:15	6:15	CIMI	4,816.0	Cor	cement. ncurrently PC nection betw	DOH di	verter a	ssembly	from 4,5	50mB	RT to	3,709	mBRT to co	onfirm	any ove	er torque	d conne	ection -	find 1x o	ver torque	l connect	ion (6-5/8"	Z-140
13:15	14:15	1:00	W&R	4,816.0	Wash do	own from 4,5 pp w/100-20	94mBF	RT to 4,	747mBR	T.	n) at a	to slug	umud	inside drill	o man	iuai tong	g and bre	ak ine i	connec	uon at 16	7 KINITI. KUI	I DACK LO	4,594006	<u>(</u> 1.
					Obs	serve no para ee surface c	ameter	change	s of WO	B and St	andpi	pe pre	ssure	while wash	ning do	own to 4	1,747mBF	RT (Esti	imated	TOC: 4,6	30mBRT).			
14:15	15:15	1:00	TRIP	4,816.0	Pick up :	and pump or np out w/300	it string	n to 4.62	OmBRT															
15:15	18:00	2:45	C&C	4 816 0	One	e of cement s	sample	harden	, but oth	ers are s	till not	harde	ned.				Time	Stroke	e count	te Mi	V (sg)	рН	Cement	
				1,01010	Pun	e and bottom np w/800gpn nitor returns: o soft cemen	n x 15. Obser	5-16.0N	IPa.		(1 iko	nalton.	shak	ors			16:15	10,0	000		1.36	11.5	No	
18:00	18:45	0:45	W&R	4,816.0	Two Wash do	o soft cemen own to 4,747	t samp	les had	not beer	harden	ed yet	avı) al	JIN				17:15 * Still obs	19,0 19,0 serve fi	000 ne cer		1.36 1.38 Ias of previ	10.0	Cantani	inated gel
18:45	24:00	5:15	C&C		Pun	np w/200gpr	n x 2.2 Is up d	-3.0MPa uring w	a. Obsern ait on cer	ve no ob nent.	stacle	s while	wash	ning down.				·····			v- 5. picvi			
					Pun	e and bottom np w/800gpr o soft cemen	n x 15. t samo	5MPa. (Observe	no ceme I gradua	nt and	d no co t do no	ontami	inated cem	ent at	shakers	s (Observ	ve fine c	uttings	s only).				
						ffline>																		
					Ret	rieve BOP p WBRRT w/)	ressure KOs an	e logger nd 6m pi	data by up at con	ROV. e tech w	orksho													
					Pre	pare riser / E	3OP re	covery.																
					Cor	inhibited mu ntinue to repa Iron rough	air iron neck #.	roughn A: Unde	eck #B a r investio	nd inves ation	tigate	iron ro	ughn	eck #A mal	functio	on (Sinc	e 15th of	Feb (#	A), 13t	h of Feb (#B)).			
						Iron rough		B: Conti	nue to in	vestigate	e ecce	ntricity	prob	lem.				k by adj	justing	flow rate	to jaw cylir	iders.		
	Install flow reducer at upstream of booster pump and test Iron roughneck by adjusting flow rate to jaw cylinders. Find Iron roughneck works well when reduce the flow. Suspect sequence valve's malfunction (Sequence valve: To allow booster pump to flow to jaw cylinders once jaws bite a pipe).).										
					Fun	nction test UV	MTV w	Dis	assemble	e sequer	nce va	lve froi	m Iror	n roughnecl	k and (check s	ame.							
ті	me Breakdo	wn (00:00 -	06:00 on	23-Feb	No) * The	nction test UV loss/gain in 2 e data on 00:00	24hrs - 06:00 i	s unofficia	l.			Ditch	magn	et: 0.0kg (8	5in h	ole total	l: 14.0kg)							
From 0:00	то 0:30 1:15	Hrs. 0:30	Code C&C W&R	Depth(mBRT) 4,816.0	Continue	e circulating	and bo	ottoms u	p during	wait on o	emen	ıt.			I of Ope									
0:00 0:30 1:15	2:30	0:45 1:15	P & A	4,816.0 4,816.0	Ream do Prepare	e circulating own from 4,7 for cementir	'47mBl ng oper	RT to 4, ration. N	785mBR lake up \$	T. Take Side Enti	weigh y Sub	t at 4,7 (SES)	785mE) stan	3RT with 10 d with 2x F	0kN do OSV a	own and and 1x S	l torque ir SES.	ncrease	9 8→10)kNm.				
2:30	5:00	2:30	P&A	4,816.0	Loca	ate bottom of	diverte	r at 4,78	0mBRT. I	Displace	surface	e line w	/ith 2.2	2m3 (13.8bb	l) of 1.	60sg Mu	ud push II	spacer	and 0.6	im3 (4.2bb	l) of 1.35sg	mud usin	g rig pump.	
					Ope	se upper FO en lower lo-to	orc valv	ve. Pum	p 8.0m ³	(50bbl) o	f 1.60	sg Mu	d pusl	h II spacer	from c	ement u	unit at 4.5	5bpm.						
					Flus	nove cemen sh surface lir	ne from	cemen	t unit wit	h 0.25m ³	(1.6b						ment slur	ry from	cemer	nt unit at 4	.5bpm.			
					Clo: Dis	se lo-torc val place cemen	t with 4	48.2m ³ (303bbl)	(2,554stl	ks, inc	luding	space		n surfa	ice line)) of 1.35s		at 500ç					
							ump up	3.2→4	.5MPa a	fter 39.3	m ³ (24	7bbl) r	oumpe	ed, might b	e poss	sible plu	igging foa	am ball :	at dive	rter.				
5:00	6:00	1:00	TRIP	4,816.0		Reduce flo	d in de	from 50 errick. P0	0gpm to DOH dive	125gpm erter at 9	in las .1m/m	it 2.6m nin fron	". No n 4,78	losses thro 30mBRT to	ugh ce 4,550	ementin mBRT (g operatio (80m abo	on. Esti ive plan	mated ned T(TOC at 4 DC).	,630mBRT	·		
Bit Record (Bit S	70			DC		e string pulled	a wet. lepth (mi	BRT)	Meter			WOB	(kN)	rom	Tot	al Rev.	ROP				Dull Cor	dition		
	n) MI	R T		ode S/N	No. No	ozzles Fro		То	age	ŀ	Irs.		Max.	Min. Max.		krev)	(m/hr)	Inner	Outer	Dull L		G	0.D.	RP
BHA Record	i @24:00											1		}							ok Wt. (knt) @	24:00	4,720.0	mBRT
32	Diverter	Diverter																		BHA	k Load A ow HWDP			2,908
Mud Proper	ies @24:00																			belo	w Jar S & Traveling block			- 620
Mud Type	Time	Depth (mBRT)	MW VIS		6rpm (10	iel St. 0", 10') API		pH Pf		Sand Oil	Solid	MBC	Ter In	Out	n	к	LGS	FIT 20/4 0 min	10 (mm) 5min	Hoo	ok + RRT ok block	RRT		-
KNPP KNPP	1:00 14:00	Pit 4,700	1.35 59 1.35 60 1.35 300	21 23 21 23 40 78	6 6 6 6	12 6.7	1.0	10.1 0.1 11.1 0.1		0.60	18.0 18.0	2.00 2.00	13 10	20,300 8 20,300	0.48	1.66 1.66 14.51	6.70 6.70			То	Rotating time day	Total		hrs
Hi-Vis Mud Pumps : 1			5.00	40 78 gallon/stroke (ess. Ann.	_	52 Personnel @2 CDEX		6	Mud Mate	erials on Bo	oard @2	24:00hrs Rece		Used	0.32 (unit: l		k	<u> </u>		Cut	ting skip @24 Empty 4	JU	Full 1	Total 5
No. Line			^{-м} (М	IPa) (m/r 5"DP	min)	MQJ Crew MWJ		104 15	Barite (Bu Caustic S					11,000		216,0 1,05	00	-		RO	V @24:00 tus		Diving	1
3 6"(Bo	6"8 oster)9	0 4		81 81	89	Scientist MQJ (Other)		5 0	Lime Soda Ash	1	-			-		200 575	j			Las	t Dive ction Skid	0	2/22/20 Dive w/135 ga	19
Geologic Ir From	formation @ To		ithology of	cuttings		Telnite Oceaneering		2		ner DX / L /	н			75		1,07 2240 / 0 1.20	0/0	1 [Flt.	rmation @2-	Time			senger
						SLB Cementi SLB WL	ng	7 2 0	XCD-Poly Lignate N Clean Lul	C				75		4,50	0		No. 1 2	Arrived 09:15 11:25		eparted 09:25 11:35	Are. 8 3	Dept. 5 5
Shale Shal	ker / Centrifu	ge @24:00				Geoservices M-I SWACO		4	Tel Clean Astex-S							4,60 4,40	0		3					-
No.1 30, 60 No.4 30, 60 #1-#3 Centrifuge No.2 30,60 No.5 30, 60 running time				SLB LWD	SLB LWD 0			Deformer 30C Tell DD						512 3,200		1 I	Safety (HSE) and other i Incident		Last	Last No. LTA				
Materials S	30, 60 tock on Boa	rd @24:00	30, 60 ock U:	sed Rece	have	SLB Seismic AFGlobal ENVENTURE		0	Bi-Carbonate Citric Acid Tap Cal C / M / E					<u> </u>	300 1,900 210 / 1,020 / 510			LTA 27						
Fresh Wate Potable Wa	ər	m3 3	305.0 262.0		95.1 0.0	SLB DD Franks		0	Tan Cal C / M / F Telnite GXL Treat-HS						210 / 1,020 / 510 522 7,100			Remark:		21		1		
Drill Water m3 887.0 48.5 0.0 BHGE 1 Fuel m3 2,550.3 48.9 0.0 Total 150								Mud Seal P Tel Plug C / M / F					130 500 / 500)) / 500								
Lube, Oil Heli Fuel	Mud volume@ Mud Volu	ime (m3)		Barolift	Tel Stop P / G Barolift (lbs)						500 / 260 1,890		1 1											
Cement "GWC" ton 160.0 0.0 0.0 Cement "G" ton 97.0 0.0 0.0						KNPP mud (Fracsea Barolift	ıl	133 424 30	Driscal D Tel Flow P						-	0		1 [Marine Information @24:00 Heave (m) Pitch (deg)			0.3		
Boat Information @24:00 Boat Name Status Time @Chikyu						Barolift 30 KNPP mud (1.39) 303 Inhibited mud 216			Poro Seal Steel Seal 50 (lbs) KCI						-	0 1,000 0			Pitch (deg) Roll (deg) Vessel Heading (deg)				0.2	
#8 Meiji-maru Chikyu Arrived						STOPLOSS(Hi vis	(1.37)	47 11	NaCl Fracseal		(lbs)					0			Riser Tension (kN) V.D. Load (ton)				9600.0 11266	
Akatsu Shincho-i	naru	Chikyu Chikyu		17:	30	MUDPUSI total		16 1180	Stopseal Bentonate	e(Bulk)	(lbs)					0 46,00	00] [Max Dra Thruster	ught (m) (kW)				9.0 800
Weather In Time	formation Weather	Temp. Air	(degC) SW	Barometer (hPa)	Speed (m/s	Wind s) Dir. (deg)	Gust (r	m/s) He	ight (m)	Wave Dir. (deg)	Peri	od (s)	Speer	Current d(knt) Dir.	(dea)			-						
Time Weather Air SW (hPa) Speed (ms) Dir. (deg) Period (s) Speed (knt) Dir. (deg) (km) 24:00 r 12.0 17.3 1014.3 1.7 335 2.5 0.8 20 5.9 1.0 241 20.0 Reported by : T. Yokoyama / A. Suzuki												.9	1.0					1 -		ted by : <u>T. \</u> ved by : T.lk		Suzuki		