Chikyu Site Name	DAILY		NG REP	ORT		ssion No. :	CK18		<u>E</u> 36° 38.2029'E	xp. No. : Seabed	Exp 358	167.5 ml	BRT R	T-MSL :	: 28.5 r	m	Report No. :	4/Jan/2	89
Depth :	@24:00 @06:00	5,052.0 5,052.0	mBRT 308	84.5 mbsf 84.5 mbsf	Progr	ess : 7.5 r	n I-3/4"	Drilling/Corin	ng/Underreamin	g Hrs. : 20 4,890.0	.75 hrs mBRT)	Last BOI	P PT: 20	118/12/14 118/12/29	)	Next Next	BOP PT: 2019 BOP FT: 2019	/01/04 /01/05	_
Tin	Summary o sent Operatione Breakdov	on @ 06:00 vn ( 00:00 -	on <b>04</b> - 24:00 on	Jan : -Jan : 03-Jan	Reaming o	ole to 5,052mBRT. lown at 4,840-4,			m from 5,052m	BRT to 4,748			1 4,748mBRT to	4,839n	mBRT.		Glycol 35gal Inj. mBRT: meter below ro mbsf: meter below sea		_
0:00	To 2:30	Hrs 2:30	DRL DRL	5,052.0	Continue to	o drill 8-1/2" kick ng from 5,044.5r	off hole	from 5,04	4.5mBRT to	5,052mBR	Detail of 0 T. 80anm x 19	Operation MPa 40-	50mm x 12-1	6kNm	3.0m/h	r			
2:30	5:00	2:30	C&C	5,052.0	Take: Circulate 1	survey: 5,031.07 x bottom up at 4	mBRT, li 80gpm d	nc. 0.85° lown the s	, Azi. 223.2 string and 90	് . Confirm 0gpm down	inclination choke, kill a	below 1° and boost	lines.		Survey	data oth	(Depth: Telescope Inc	Azi	epth)
					Recip Pump Cuttin	rocate the string 10m3 BAROLIF gs return volume	at 15rpm T sweep	n x 12-15k s at 3:00 i nin at the	Nm during on and 4:00.	irculation.	then dron t	to 3m/5m	in gradually	•••••	5,03°	1.07	(deg) 0.85 n from bit	(deg) 223.25	1
5:00	13:30	8:30	W&R	5,052.0	Rackroam	from 5.052mBR	T to 4 74	8mRRT							D+I sen	sor	18m		
						Parameters: 20-4 Observe minor to	5rpm x 1	12-30kNm 1 pressure	, 490gpm x e spike by <3	17-19MPa, 0kNm and	boost riser v by 2MPa at	ia choke several d	kill/boost line epths from 4,	s at 90 982m	00gpm. to 4,853	mBR	Γ. Reciprocate the	string few	times
						and these torque At 4,900mBRT, t Pump 10m3 BAF	orque inc OLIFT s	reased 10 weeps at	3→30kN and 08:15.	the string	stalled out. E	stablish	rotation again	and r	eciproca	ite the	string twice - OK.		
						Boost riser via ch Change bottom s I-12:30) Ream 4	oke/kill/b haker so	oost lines reens fror	s at 900gpm. m API120 to	API170.									
				 		Attempt to ream	down fro	m 4,837m Iltiple time	BRT for clea	ning up sus	spected Tuff ers. Bit pass	section a	at 4,840-4,850 nBRT with G	0mBR1	Γ, unable h side ar	e to pa	ass 4,838mBRT du	e to press	ure spike
					1	Parameters: 5-50 After passing 4,8	)rpm x 11 43mBRT	I-30kNm, down, th	150-500gpn e string able	to lower wi	a thout pressu	re spike.	Reciprocate	the stri	ing at 4,	846-4	850mBRT 3 times	to clear	
					(12:30	1,838-4,843mBR Reciprocate the s 1-13:30) Backrea	I by 8-1. string at 4 m from 4	/4" stabiliz 1,838-4,85 I.838mBR	zer (8-10m a 50mBRT 4 ti 8T to 4.748m	oove bit). mes until no BRT.	pressure s	pike obse	erved - OK.	•••••					
						Observe no obst Observe continue	uctions v	while stab ngs volum	ilizers and b e 2-3cm/5m	t passing th n since 8:00	rough the w	indow wi r via boo	thout rotation st line at 450g	pm.					
13:30	14:15	0:45	RS	5,052.0	Troublesh	oot HPS and hyd Jnable to operat Replace elevator	raulic ele e HPS m	evator. otor and t	oreak conne	ction becau	se DCIS dis	play shov	vs 0.00kNm, t	out act	ual HPS	torqu	ie remains 0.0000	lkNm.	
14:15	24:00	9:45	W&R	5,052.0	Ream dow	Boost riser at 450 n from 4,748mB	gpm. RT to 4,8	320mBRT						 					
					(14:15	i-14:45) Wash de Observe no obst	own w/15 ructions v	0gpm x 3 while stab	ilizers and b	t passing th	rough the w	indow.							
 				<del> </del>		5-17:30) Ream d Parameters: WO Observe taking w	eiaht of	150kN at	4.804mBRT	and attemp	t to pass thr	ouah with	n varving rota	tion sn	eed and	d pumi	p rate, but fail to na	ass bit at 4	,804mBR
					(	Once pick up stri Bit can pass thro	ng above	4,799mE	BRT, try to pa	ass again, b na weight m	ut unable to	pass thr	ough 4,802ml	BRT.					
					(17:30	Observe high W0 -18:15) Ream u Ream up from 4,	p and do 823 5mB	wn betwe	en 4,804 and	1 4,823.5ml	3RT. 6kNm 350a	nm x 10 !	5MPa. Ohsen	ve rear	mina na	ramet	ers stable.		
						Ream down from	4 810m	BRT to 4 :	820mBRT 5	0rnm x 10-1	15kNm 350	anm x 10	3MPa Ohse	rve rea	amina na	arame	ters stable		
					(18:15	Ream up from 4, i-19:00) Ream d Parameters: WO Start to ream dov	own from B 50-150	14,804mE kN, 30-50	Orpm x 11-20	.5mBRT. kNm, 350g	pm x 10-12.	5MPa.	at 4 900mBB						
					(19:00	Attempt to pass t 0-23:15) Pick up	hrough 4 strina to	,809mBR 4.790mBl	T with varyir	g rotation s	peed and poss ss and ream	ump rate.	Finally, run b m 4.790mBR	ack to	.820mBI	RT.			
						Parameters: WO Observe taking v	B 50-150 eight of	kN, 10-20 200kN at	0-30-50-55-6 4,809mBRT	0-70-75-85 and attemp	-90rpm x 10 It to pass thr	-24kNm, ough with	100-150-350- n varying rota	450gp tion sp	m x 4-5 eed and	-13-18 1 pum	BMPa. p rate, but fail to pa	ass bit at 4	,809mBR1
				 		Attempt to slide s Repeat pick up s Bit can pass thro	tring with tring and ugh 4,80	attempt r 9mBRT w	side two tim eaming dow /ith 180kN W	es, but obse n more thar 'OB, 33rpm	rve taking v 10times. x 10-22kNn	veignt of : n, 350gpr	200kN while i n x 13.8MPa.	ower ti	ne bit.				
					(23:15	i-24:00) Wipe str Parameters: 60-7	ing betw	een 4,820	mBRT and	1,813mBRT	(From 4,81	1mBRT t	o 4,804mBRT	by 8-	1/4"stab	lizer).			
						ROP: 3.68 m/hr a		5mBRT, n	nin. ROP: 3.	11 m/hr at 5	,050mBRT.	••••••							
					Ditch	magnet: 3.0kg (1	otal 89.5		ck off hole)										
From 0:00	To 6:00	wn (00:00 - Hrs. 6:00	Code W&R	04-Jan Depth(mBRT) 5,052.0		n from 4,820mB					Detail of 0	Operation							
				13233333	(00:00 J	)-05:30) Attempt Jnable to pass 4	to pass 4 ,840-4,8	4,840-4,84 42mBRT (	due to press	ıre spike ar	nd by 4MPa.	Attempt	to ream dowr	n multip	ple times	s with	varying parameter	s without s	success.
				 		Parameters: WO Attempt to face C Concurrently disc	FTF to his	gh side ar	nd lower the	string down	, but unable	to pass of	due to high dr	ag.			re		
					(05:30	0-06:00) Continu Parameters: WO	e to ream	ning down	to pass 4,84	I0-4,842mE	RT with inci	reased pa	arameters.	A 50010					
							· • • • • • • • • • • • • • • • • • • •	· · · · · · · · · · · · · · · · · · ·	· • • • • • • • • • • • • • • • • • • •	. <b></b> .		<b></b>	. <b></b>						
Bit Record ( Bit Si No. (i		FR T	me	ADC S/	No. Nozz	Depth (m	BRT) To	Meter- age	Hrs.	WOB (kN) Min. Max.	rpm Min Max	Total R		Inner	Outer	Dull	Dull Condition	G 0.D.	RP
7 8	.5 Sm	nith XF			3199 3x 16/		5,052.0	89.0	57.17	100 200	40 90	520.75		mino	Odioi	Duii			
#19		8-1/2" Bit x a 6-1/2" Jar x	A675XP PDM 6-3/4" DC (2	If with 1.50° b jts) x XO #3:	ent x 8-1/4" Stal x 5.68" HWDP (3	(SLB) x Float Sub w/ 3 stds) x XO #4 x 5-1/2	Non-ported t	loat valve (SL 25 stds) x XC	B) x 6-3/4" Pony 0 #5 x 5-1/2" DP 5	NMDC x XO #1 -150 (63 stds) x	x Telescope 675 XO #6 x 6-5/8" I	x XO #2 x 6 DP Z-140 (23	-3/4" NMDC x 6-3/4 stds) x 6-5/8" DP	4" DC (3 UD-165	stds) x		Hook Wt. (knt) @24:00 Hook Load BHA	4,839.	2,898 180
Mud Propert	ies @24:00																Below HWDP below Jar HPS & Traveling block		250 125 615
Mud Type KNPP	Time 1:30	Depth (mBRT) 5,050	MW VIS	PV YV 25 30	6rpm Gel 5 (10", 1	0') API Cake	pH Pf 9.7 0.1	CI- Sa 117,000 0.	and Oil Solid	MBC In			K LGS	FIT 20 0 min	5min		Hook + RRT Hook block Jar Rotating time 24S/	N: 1760-50	
KNPP	19:00	4,809	1.39 66	25 30 gallon/stroke	12 10	20 7.2 1.1	9.5 0.1	117,000 0.	20 18.0	2.00 12	9 22,000		1.92 4.80	-			Today 14.03 T Cutting skip @24:00 Empty		5 hrs
No. Liner	Size SF		PM Pn	ess. Ann IPa) (m	. Vel.		9	Mud Materi Item Barite (Bulk	:)	24:00hrs Received	Used	(unit: kg)	Stock 454,500	}			28 ROV @24:00	1	Total 29
1 6 2 6 3 6"(Bo		9 2	45 45 19 50	9.0 52		//WJ Scientist	16 10	Caustic Soo Lime Soda Ash	da				1,200 200 950				Status Last Dive Injection Skid	2019/0 Dive w/135	
Geologic In	formation @	224:00	ithology of one: 65-80 %	cuttings , Claystone:		elnite Oceaneering	2	Caustic Pot Tel-Polyme XCD-Polym	rDX/L/H			3,5	1,000 20/1,500/0 975		Heli Infor			Par Are.	ssenger Dept.
5,030	5,050	Tuff	%, tr %, Sands	tone: tr -5 %		SLB Cementing SLB WL	0	Lignate NC Clean Lube	W				4,500 0	1	1 2	Arī	Departed	Ale.	ьері.
No.1			30, 170		:0 hrs	Geoservices M-I SWACO GLB Underreamer	6 4 2	Tel Clean V Astex-S Deformer 3			16		6,400 0 192	1	3 4 Safety (H	HSE) an	d other information	<u> </u>	
No.2 3	30, 170 30, 170	No.5	30, 170 30, 170		off S	SLB LWD SLB Seismic AFGlobal	2 0 2	Tell DD Bi-Carbona Citric Acid					3,200 1,000 2,275		Incident		Last Incident	No. LTA	Λ
Ite Fresh Wate	em er	Unit St	289.5	95.7	eived 95.7	ENVENTURE SLB DD	2	Tan Cal M / Telnite GXL					0 / 210 / 510 684	1	HUNS ca Remarks		43		
Potable Wa Drill Water Fuel	ner	m3 1,4	315.5 404.0 909.0	4.5 17.0 49.9	0.0	ranks HAL UR Fotal	0 1 164	Treat-HS Mud Seal P Tel Plug C	/M/F			500	9,200 130 / 500 / 500						
Lube, Oil Heli Fuel Cement "G	WC"	Ltrs	0.0 186.0	0.0 0.0 0.0	0.0 0.0 0.0	Mud volume@24:00 Mud Volume (m3		Tel Stop P / Barolift Driscal D	/ G (lbs)		30	5	1,965 0		Marine Ir	nformati	ion @24:00		
Cement "G		ton	97.0	0.0	0.0	KNPP mud (1.39) KNPP (Fracseal) KNPP (BAROLIFT)	382 80 53	Tel Flow P Poro Seal Steel Seal 5	50 (lbs)				0 0 2.250		Heave (r Pitch (de	n) ig)	-		0.4 0.2 0.1
Boat Na	me	Status		Time @Chik	/u	KNP mud (1.25) KNP mud (1.13)	53 118	KCI NaCl					8,000 19,000		Roll (deg Vessel H Riser Te	leading nsion (k		9	355 750.0
#8 Meiji-n Akatsu Shincho-r	ki naru	Chikyu Shingu Chikyu		$\pm$		STOPLOSS(1.37) Slug mud total	54 17 757	Fracseal Stopseal Bentonate(I	(lbs) (lbs) Bulk)				12,000 0 46,000	1	V.D. Loa Max Dra Thruster	ught (m	)		3938 9.0 1150
Weather In Time	formation Weather	Temp.	(degC)	Barometer (hPa)	Wind Speed (m/s)	Dir. (deg) Gust (	m/s) Hei		Wave Dir. (deg) : Per	od (s) Spee	Current ed(knt) Dir.	(deg)	Visibility (km)	1			·		
24:00 Today's Sc	bc hedule:	9.0	18.5	1030.1	6.2 f hole 8-1/2" k	354 7.3	_	1.2				75	22.0	1			T. Yokoyama / A. Suzu T. Ikawa / K. Takase	ki	