Chikyu DAILY MORNING REPORT	Mission No. : CK18			Report No. :	137
Site Name C0002 Hole Name C0002T Depth : @24:00 4,816.0 mBRT 2848.5 mbsf	Lat. 33° 18.0507'N Progress : 0.0 m	Long. 136° 38.2029'E Seabed De Drilling/Coring/Underreaming Hrs. : 0.00		T-MSL : 28.5 m Report Date : 8/2019 Next BOP PT: 2/22/2019	21/Feb/2019
Depth : @06:00 4,816.0 mBRT 2848.5 mbsf Summary of Operation on 20-Feb : Rec	LAST CASING : 9-5/8" x 11-3/4" ESET	x 2,802.50 mbsf(4,770.0 m ns up. POOH 8-1/2"SD-RCB assem	BRT) Last BOP FT: 2/1	4/2019 Next BOP FT: 2/22/2019 Last Glycol 35gal Inj. 2/20	/2019
	nt. POOH 8-1/2"SD-RCB assem		Ny to 2,475mbrt1.	mBRT: meter below rotary table mbsf: meter below sea floor	
From To Hrs Code Depth(mBRT)			Detail of Operation	mbst: meter below sea floor	
0:00 3:00 3:00 CORE 4,816.0 Red	cover inner barrel. RIH sinker bar at 90-140m/min	. Land sinker bar at 4,786mBRT (S0) weight 55→53kN).		
		increase in pick up weight from 64k n / 50gpm while recovering inner ba			
	Observe deformed and worn in	ner barrel shoe. Connection was int		×	
3:00 4:30 1:30 C&C 4,816.0 Circ	culate bottom up. Pump: 500-700gpm x 7.3-12.6	MPa. HPS: 20rpm x 7-10kNm.			
4:30 5:45 1:15 SP 4,816.0 Wo	••••••A•••••••••••••••••••••••••••••••	00mBRT while circulating. Bottom u			
······	Drop #4 SD-RCB inner barrel (Core catcher: 8 finger (short)). Pum	o and chase inner barrel w/ 250g	pm x 2.6MPa while reaming down.	
·····		andpipe pressure increased from 10 00kN overpull and 33kN several tim		ng stalled and packed off at 4,811mBRT. 4,811mBRT to 4,790mBRT.	
5:45 9:45 4:00 SP 4,816.0 Rea	am down from 4,790mBRT to 4,	309mBRT. IPa. HPS: 30-80rpm x 10-14kNm.			
	Stalling stalled at 4,809m twice				
	(06:27-07:45) HPS stall and standpipe press	ure increased 9.2→13.6MPa, partial	y packed off. Work pipe with <55	0kN overpull and 32kN multiple time - string	free.
	(09,50,00,22)	ed with 33kN. Work pipe with <750kl			
	HPS Stall, standpipe pressure	400gpm x 12.5 Mpa. On releasing to		ire to 13.8 Mpa, shut off pump.	
	Work pipe with <750kN overpu Concurrently discussed forwar	ll and 32kN multiple time - string fre d plan with onshore support team. D	e. ecision make to cease coring ope	eration due to unstable hole condition.	
9:45 12:30 2:45 CORE 4,816.0 Rec	cover inner barrel.	. Land sinker bar at 4,748mBRT (S0			
	Pick up sinker bar and confirm	increase in pick up weight from 61k	N to 68kN at 10m/min. Recover to	o surface at 50-150m/min.	
	Keep rotating/pumping at 15rp Inner barrel #4 was intact.	m / 50gpm while recovering inner ba	rrel except sinker bar inside BHA	<u>.</u>	
12:30 14:00 1:30 C&C 4,816.0 Circ	culate bottom up. Pump: 800gpm x 16MPa. HPS	· Ornm			
	Reciprocate string at 4,760-4,7	50mBRT while circulating. Bottom u	p annulus volume below riser.		
14:00 24:00 10:00 TRIP 4,816.0 PO	OH 8-1/2" SD-RCB assembly fro Break 6-5/8"DP Z-140 connect	om 4,754mBRT to 2,475mBRT. ion with manual tong by changing th	e pipe break point.		
	<offline></offline>				
		eck #B and investigate iron roughner r investigation, Iron roughneck #B: A		Feb (#A), 13th of Feb (#B)). per/lower tong and rotary table. Investigation	on going.
	Function test UWTV winch - C	neck signal communication inside U	WTV winch.		
·····	Ditch magnet: 1.0kg (8.5in hole No loss/gain in 24hrs	e total: 13.5kg)			
Time Breakdown (00:00 - 06:00 on 21-Feb) From To Hrs. Code Depth(mBRT)	* The data on 00:00 - 06:00 is unofficia		Detail of Operation		
		assembly from 2,475mBRT to 120m			
	Monitor well on trip tank.				
Bit Record @24:00					
Bit Size MFR Type IADC S/No.	Nozzles Depth (mBRT) From To	Meter- age Hrs. WOB (kN) Min. Max.	rpm Total Rev. ROP Min. Max. (krev) (m/hr)	Inner Outer Dull Loc. B G	O.D. RP
12 8.5 Baker BHC407C M333 7151964	7x Nozzles (1.15in2) 4,804.0 4,816.0	12.0 18.28 0 100	10 90 87.56		
BHA Record @24:00 	SD PCR Outer Parrel v Landing Sub w/ 8.4	t" Stabilizer x Head Sub x 7" Coring DC (12jts) x X		Hook Wt. (knt) @24:00 Hook Load	2,475.0 mBRT 1,702
31 Coring BHA	CD-1CD Outer barrer x carloing oub w. c.+	Classified Sub X 7 Coning DC (12(3) X 7	0#1X 3.00 11001 (33803) X X0#2	BHA Below HWDP	180
				below Jar	-
Mud Properties @24:00 Mud Type Time Depth MW VIS PV YV 6rpm	Gel St. API Cake pH Pf	CI- Sand Oil Solid MBC	K+ n K LGS	HPS & Traveling block FIT 20/40 (mm) Hook + RRT	620
KNPP 3:30 4,816 1.35 60 21 23 7	6 11 6.5 1.0 10.1 0.1	117,000 0.60 18.0 2.00 11	8 20,300 0.50 1.53 6.60	0 min 5min Hook block 19 55 Jar Rotating time 24:(S/N:	-
KNPP 13:30 4,762 1.35 59 22 22 7	6 11 6.5 1.0 10.1 0.1	114,000 0.60 18.0 2.00 11	8 20,300 0.48 1.66 6.70	18 53 Today Total Cutting skip @24:00	hrs
Mud Pumps : 14-P-220 5.00 gallon/stroke @97% Nu Lisue Circ ODM Press. Ann. Vel.	Personnel @24:00 CDEX 6	Mud Materials on Board @24:00hrs Item Received	(unit: kg) Used Stock		ull Total 6 35
No. Liner Size SPM GPM Fless. (MPa) Autrit. Ver. (m/min) 1 6" 80 400 7"DC 5.5"DI	MQJ Crew 101 MWJ 15	Barite (Bulk) Caustic Soda	6,000 241,000 1,050	ROV @24:00 Status	On deck
2 6" 80 400 3 6"(Booster) 90 450 16.0 257 146	Scientist 5 MQJ (Other) 0	Lime Soda Ash	200	Last Dive	2/20/2019 e w/135 gal skid
Geologic Information @24:00		Caustic Potash	1,075	Heli Information @24:00	
From To Lithology of cuttings 4,810 4,816 CLAYSTONE (20%), SILTY CLAYSTONE (75%) CEMENT (5%)	, Oceaneering 6	Tel-Polymer DX / L / H XCD-Polymer	2240 / 0 / 0 1,275	Flt. Time No. Arrived Departed	Passenger Are. Dept.
CEMENT (5%)	SLB Cementing 2 SLB WL 3	Lignate NC Clean Lube W	4,500 8,000	1 09:14 09:25 2 11:24 11:34	6 9 9 10
Shale Shaker / Centrifuge @24:00	Geoservices 6 M-I SWACO 4	Tel Clean W Astex-S	4,600 4,400	3 13:35 13:45 4	6 7
No.1 30, 60 No.4 30, 60 #1.#3 Centrifuge No.2 30,60 No.5 30, 60 running time	NLC 1 SLB LWD 0	Deformer 30C Tell DD	512 3,200	Safety (HSE) and other information Incident Last	No. LTA
No.3 30, 60 No.6 30, 60 Materials Stock on Board @24:00	SLB Seismic 0 AFGlobal 0	Bi-Carbonate Citric Acid	300 1,900	Incident LTA	
Item Unit Stock Used Received Fresh Water m3 281.0 76.1 97.1		Tan Cal C / M / F Telnite GXL	210 / 1,020 / 510 684	HUNS cards 23 Remarks	
Potable Water m3 272.0 6.0 0.0	Franks 0	Treat-HS	9,200 130		
Fuel m3 2,646.8 48.1 0.0	Total 151	Mud Seal P Tel Plug C / M / F	500 / 500 / 500		
Lube, Oil Ltrs 53,900 0.0 0.0 Heli Fuel Ltrs 0.0 0.0 0.0	Mud volume@24:00	Tel Stop P / G Barolift (lbs)	500 / 260 1,890		
Cement "GWC" ton 160.0 0.0 0.0 Cement "G" ton 97.0 0.0 0.0		Driscal D Tel Flow P	0	Marine Information @24:00 Heave (m)	0.6
Boat Information @24:00	Fracseal 424 Barolift 30	Poro Seal Steel Seal 50 (lbs)	0 1,000	Pitch (deg) Roll (deg)	0.4
Boat Name Status Time @Chikyu Departed Arrived	KNPP mud (1.39) 380 Inhibited mud 60	KCI NaCI	0	Vessel Heading (deg) Riser Tension (kN)	315 9600.0
#8 Meiji-maru Chikyu 19:20	STOPLOSS(1.37) 47 Slug 6	Fracseal (lbs) Stopseal (lbs)	0	V.D. Load (ton) Max Draught (m)	11485 9.0
Shincho-maru Chikyu	total 1161	Stopseal (IDS) Bentonate(Bulk)	46,000	Max Draught (m) Thruster (kW)	1500
Weather Information Time Weather Temp. (degC) Barometer	Wind	Wave	Current Visibility		
Air SW (hPa) Spectrum 24:00 bc 13.5 17.5 1017.7 1	0.4 320 12.2	ght (m) Dir. (deg) Period (s) Speed(2.5 230 5.9 0.9	xnt) Dir. (deg) (km) 224 22.0	Reported by : T. Yokoyama / A. Suzuki	
Today's Schedule: Continue POOH 8-1/2" SD-RCB BHA to	surface. RIH diverter assembly			Approved by : T.Ikawa	