Chikyu DAILY MORNING REPORT

Mission No. : CK18-01 **Exp. No.** 380 **Report No. :** 7

Site Name : C0006 **Hole Name :** C0006G **Lat.** 33° 01.6388'N **Long.** 136°47.6463'E **Report Date :** 19/Jan/2018

Depth : @24:00 **4,299.0** mBRT **399.0** mbsf Progress : **369.0** m Seabed Depth : **3,900.00** mBRT RT-MSL : **28.5** m

Depth : @06:00 **4,299.0** mBRT **399.0** mbsf Drilling/Coring/Jetting Hrs. : **15.47** hrs LAST CASING : **20in** x **54.00** mbsf

Summary of Operation on **18-Jan** : Cont. 20in CSG jetting. Drill down to 3965mBRT. Recover UWTV. Drill down to 4299mBRT. Sweep out & spot SWG. Wiper Trip

Present Operation to 06:00 on **19-Jan** : Continue Wiper trip and Sweep out & spot SWG. Run UWTV to DAT.

mBRT: meter below rotary table
mbsf: meter below sea floor

Time Breakdown (00:00 - 24:00 on **18-Jan**)

From	To	Hrs	Code	Detail of Operation
0:00	3:15	3:15	CSG	Continue 20in CSG Jetting from 3930 to 3954mBRT (6m WH stickout)
				3930-3939mBRT: WOB 0-80kN, PUMP 700gpm x 10.5-10.8MPa. 3939-3943mBRT; WOB 0-100kN, PUMP 800gpm x 14.2-14.8MPa.
				3943-3947mBRT: WOB 20-65kN, PUMP 850gpm x 15.5-16.0MPa. 3947-3954mBRT; WOB 0-90kN, PUMP 900gpm x 17.0-17.6MPa.
				Reciprocation 10m (3933, 3938, 3940, 3942, 3946, 3951mBRT), Sweep 10m3 of SWG @5m above TD
				Confirm wellhead stick up 6m and CSG shoe is 3954mBRT.
				(1:15) Decrease pumps and soaking for 30min. 20in CSG w/CMC on, slack off w/120kN of CSG weight and confirm wellhead keep position by UWTV: OK
				Open ball valve and shear ram to drop dart which is standby at Mud bucket
				Chase pump w/150gpm x 1.5MPa(10min) and reduce to 100gpm x 0.47-0.66MPa(20min), confrim dart landing by pressure increase to 3.2MPa
				Stop pump at 6.6MPa and confirm DAT indicator sleeve move to unlock position and shear two shear pins
				Increase stand pipe pressure gradually and rapture the rapture disk at 12.6MPa x 200gpm, confirm stem dropped
3:15	3:45	0:30	Drill	Drill down from 3954 to 3965mBRT
				Apply top drive brake and wash down 12-1/4"hole with motor to 65mbsf, WOB 20-40kN, PUMP 250-400gpm x 4.5 - 7.3MPa
				Pick up string from 3965 to 3960mBRT and keep circulate out Hi-vis w/3.5MPa x 400gpm
3:45	7:00	3:15	OTHER	Retrieve UWTV to surface.
				Before retrieve, confirm DAT body condition with NuStar :OK. Keep slow pumping with 75gpm while retrieving UWTV
				Meanwhile, check pressure with 200-300-350-400-500gpm x 1-2.5-3.5-4.6-7.5 MPa
7:00	23:00	16:00	DRLG	Drill down from 3965 to 4299mBRT.
				3965-3969mBRT; WOB: 0-60kN, HPS: 15rpm x 0.0-10.0kNm, PUMP: 385gpm x 4.4-4.7MPa.
				3969-3970mBRT; WOB: 20-60kN, HPS: 24rpm x 0.0-7.5kNm, PUMP: 455gpm x 5.5-6.1MPa.
				3970-4004mBRT; WOB: 20-60kN, HPS: 30rpm x 0.0-14.0kNm, PUMP: 500gpm x 6.9-7.5MPa.
				4004-4046mBRT; WOB: 20-60kN, HPS: 30rpm x 0.0-10.0kNm, PUMP: 600gpm x 8.6-9.4MPa.
				4046-4119mBRT; WOB: 0-40kN, HPS: 30rpm x 0.0-12.0kNm, PUMP: 700gpm x 11.8-12.4MPa.
				4119-4299mBRT; WOB: 0-40kN, HPS: 30rpm x 0.0-5.0kNm, PUMP: 800gpm x 14.4-15.7MPa.
				Sweep 5m3 of SWG every stand.
				Average ROP: 27.1m/hr.
23:00	23:45	0:45	C&C	Sweep out 10m3 of SWG two times and spot 12m3 of SWG.
23:45	24:00	0:15	TRIP	Wiper trip from 4299 to 4261mBRT
				Observe excess drag@4296mBRT (160kN), 4295mBRT (200kN) and reciprocate string to pass through.

Time Breakdown (00:00 - 06:00 on **19-Jan**) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	Detail of Operation
0:00	2:15	2:15	TRIP	Continue wiper trip from 4261 to 3957mBRT (4m below 20in CSG shoe).
				From 4296 to 3957mBRT, no observe excess drag
				From 3957 to 4298mBRT, no observe excess drag, confirm 1m fill
2:15	3:15	1:00	C&C	Sweep out 10m3 of SWG two times and spot 12m3 of SWG. HPS: 10rpm x 0.8kNm
3:00	4:00	1:00	OTHER	Pick up string to 3966mBRT
				No observe excess drag, from 4298 to 3966mBRT
4:00	6:00	2:00	OTHER	Run UWTV to above wellhead
				RGR door open by NuStar engineer, While UWTV preparing
				(0:00 - 6:00) Activation kit pressure test on going

Bit Record

Bit No.	Size (in)	MFR	Type	IADC Code	S/No.	Nozzles	Depth (mBRT) From	Depth (mBRT) To	Meter-age	Hrs.	WOB (kN) Min.	WOB (kN) Max.	rpm Min.	rpm Max.	Total Rev. (krev)	Dull Condition Inner	Outer	Dull	Loc.	B	G	O.D.	RP
RR1c	12.25	NOV	DSH616D	M423	A16762	6 x 12, 3 x 13	3900.0	4,299.0	399.0	16.62	0	60	0	30	112.1								
															** Include Motor rev.*								

BHA Record

1	Inner string	12-1/4"Bit x 9-5/8"Motor x 8"Screen sub x XO x 8"Float sub w/float x 12-1/4"stabilizer x 8-1/2"DC (4) x 8"Spacer sub (4) x 8"Pony collar x DAT x 8-1/2"Coring DC 6m pup (1) x 8-1/2"Coring DC (6) x XO

Hook Wt. (kN) @ 4,260 mBRT

2969	2,792
BHA	220
20in CSG	131
HPS & Traveling block	700

Mud Properties

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St. (10", 10')		WL	Cake	pH	Pf	Cl-	Sand	Oil	Solid	K+	LGS	MBC	Temp In	Temp Out	n	K
PHG	8:00		1.06	288	67	96	45	60			8.8									16		0.50	7.36
SWG	9:00		1.11	300	46	148	101	108			11.5									16		0.31	28.62
Kill mud	10:00		1.30	116	26	39	40	58			11.0									16		0.49	3.15

Geologic Information

From	To	Lithology of core

Personnel @24:00

CDEX	9
Scientist	24
MQJ Crew	94
MQJ (Other)	2
MWJ	15
NuStar	3
Cementing (Sch)	3
Motor (Halliburton)	1
Telnite	1
Trainee	2
Franks	2
Total	156

Mud Pumps : 14-P-220 @ 5.00 gallon/stroke @97%

No.	Liner Size	SPM	GPM	Press. (MPa)	Ann. Vel. (m/min)	
1	6	160	800	15.5	21	19
2	6					
3	6					

Safety (HSE) and other information

Incident	Last Incident	No. LTA
LTA		
HUNS cards	6	

Remarks

Mud Materials on Board @24:00hrs (unit: kg)

Item	Received	Used	Stock
Barite (Bulk) *			271,000
TEL-GEL (Bulk)			38,000
Kunigel VO (Bulk)			41,000
Caustic soda		75	1,600
Lime		80	1,300
XCD-Polymer			100
Baracor-100			420
Telnite OS-5			225
Deformer 30C			0
KCl			0
NaCl			25,000

* Include carried over materials

Materials Stock on Board @24:00

Item	Unit	Received	Used	Stock
Fresh Water	m3	77.1	69.6	272.5
Potable Water	m3	0.0	2.8	333.7
Drill Water	m3	0.0	6.1	2,091.2
Fuel	m3	0.0	22.1	4,212.7
Lube, Oil	Ltrs	0.0	400	90,500
Heli Fuel	Ltrs	0.0	0	0.0

Mud Volume (m3)	
Prehy Gel (1.06sg)	124
SWG (1.11sg)	60
NaCl Brine (1.19sg)	95
Kill mud (1.30sg)	40

Marine Information @24:00

Heave (m)	0.4
Pitch (deg)	0.2
Roll (deg)	0.2
Vessel Heading (deg)	30
Riser Tension (ton)	-
V.D. Load (ton)	13460.5
Max Draught (m)	9.00
Thruster (kW)	900

Weather Information

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	Wind Speed (m/s)	Wind Dir. (deg)	Wind Gust (m/s)	Wave Height (m)	Wave Dir. (deg)	Wave Period (s)	Current Speed(knt)	Current Dir. (deg)	Visibility (km)
24:00	bc	14.0	16.4	1019.1	7.1	31.0	7.9	1.3	270	5.2	0.5	237	22

Today's Schedule : Run UWTV to monitor releasing DAT. Retrieve UWTV. POOH 12-1/4in BHA to surface. MU and run 9-5/8in CSG

Reported by : T.Yokoyama / N.Sakurai

Approved by : T.Saruhashi