

Site Name: C0002 Hole Name: C0002P Lat: 33° 18.6507'N Long: 136° 38.2029'E Report Date: 7/Jan/2014
 Depth: @24.00 4590 mBRT 2622.5 mbsf (14.5') Progress: 148 m Seabed Depth: 1,967.5 mBRT RT-MSL: 28.5 m
 Depth: @06.00 4611 mBRT 2643.5 mbsf (14.5') Drilling/Coring/Underreaming Hrs.: 22.00 hrs LAST CASING: 13-3/8" x 1,936.50 mbsf(3,904.0 mBRT)

Summary of Operation on 6-Jan : Open 12-1/4" hole to 14-1/2" from 4442 to 4590mBRT.
 Present Operation @ 06:00 on 7-Jan : Open 12-1/4" hole to 14-1/2" at 4611mBRT.

From	To	Hrs	Code	Detail of Operation
0:00	0:45	0:45	RR	Swab of piston washed #2 Mud pump, replace same.
0:45	16:30	16:45	OH	Resume opening 12-1/4" hole to 14-1/2" 4442 - 4577mBRT (2474.3' - 2609.5mbsf, 13m) Pump 10m of H-Vis every 30 min after connection. WOB: 0 - 50kN, 935gpm x 32.4-34.7MPa, 140rpm x 11-34kNm. Booster 450gpm x 5.3MPa. ROP ave 11.0m/hr, Max 31.4m/hr @4512mBRT, min 2.25m/hr @4443mBRT. Gas, Tr. caving, Tr.
16:30	20:45	1:15	RR	Swab of piston washed #2 Mud pump, replace same. Continue circulating hole at 450gpm x 11.1MPa, rotate at 60rpm x 9.8-12.1kN-m while repairing.
20:45	24:00	3:15	OH	Resume opening 12-1/4" hole to 14-1/2" 4577 - 4590mBRT (2609.5' - 2622.5mbsf, 13m) Pump 10m of H-Vis every 30 min after connection. WOB: 0 - 70kN, 900gpm x 31.5-32.2MPa, 150rpm x 13-34kNm. Booster 450gpm x 5.3MPa. ROP ave 8.3m/hr, Max 25.6m/hr @4515mBRT, min 3.2m/hr @4590mBRT. Gas, Tr. caving, Tr.

Note: #2 generator on Shincho manū was repaired.
 Depth reference above are bit depth. Bit to top of underreamer cutter, 4.42m
 Pump #3 trips at high SPM & pressure. Not feasible to use for drilling, booster only.
 Dive ROV. ROV inject glycol oil to BOP and 13 gal LMSP. Recover to surface.

Sea current: Chikyū 0.4-1.5 knot. SW 5miles 1.0-3.3 knot. S 10 miles 2.2-4.5knot

From	To	Hrs	Code	Detail of Operation
0:00	0:45	0:45	OH	Resume opening 12-1/4" hole to 14-1/2" 4590 - 4593mBRT (2622.5' - 2625.5mbsf, 3m) WOB: 0 - 70kN, 900gpm x 31.5-32.2MPa, 150rpm x 13-34kNm. Booster 450gpm x 5.3MPa. ROP ave 4.0m/hr, Max 7.71m/hr @4591mBRT, min 2.4m/hr @4592mBRT. Gas, Tr. caving, Tr.
0:45	1:15	0:30	RR	Swab of piston washed #2 Mud pump, replaced same, continue circulating hole at 450gpm x 11.1MPa, rotate string at 60rpm x 9.8-12.1kN-m while repairing.
1:15	8:00	4:45	OH	Resume opening 12-1/4" hole to 14-1/2" 4593 - 4611mBRT (2622.5' - 2640.5mbsf, 18m) WOB: 0 - 40kN, 900gpm x 30.2-32.5MPa, 140-150rpm x 13-34kNm. Booster 440gpm x 5.1MPa. ROP ave 5.3m/hr, Max 20.5m/hr @4599mBRT, min 1.6m/hr @4611mBRT. Gas, Tr. caving, Tr.

Note: Sea current: Chikyū 0.5knot. SW 5miles 2.7knot.

Bit No.	Size (in)	MFR	Type	IMDC Code	S/N	Nozzles	Meterage	Hrs.	WOB (kN)	rpm	Total Rev. (Rev)	Inner	Outer	Dual	Condition
RR8a	12.25"	Smith	MD168PX	M223	JG7525	15 x 7	5,026.00		Min. Max.	Min. Max.					
RR8b	14.5"	NOV	Underreamer		1225-0121	8 x 1	3926.00	664.0	59.18	0	152	80	140	643.0	

RR8a	RR8b	14-1/2" Underreamer	Bit x bit sub x 14.5" Underreamer x float sub (w/APPtype float) x 8-1/2"DC (1) x 12-3/16" Stab x 8-1/2"DC (1) x Drilling Jar x 8-1/2"DC (2) x XO x 5.68"HWDP (12) x XO x 5"DP S-140 (67tads)	Hook Wt. (net) @	4,580.0	mark
			x 5-1/2"DP S-140 (21tads) x XO x 5-1/2"DP S-150 (8tads) x XO x 6-5/8"DP 2-140			

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St (10', 10')	WL	Clake	pH	PI	CI	Sand	Oil	Solid	MBC	Temp (In/Out)	K+	n	K	LOG		
KNPP	5:00	4,465	1.32	112	46	57	11	15	2.4	0.5	11.1	0.2	120,700	0.2	0	15.0	1.75	14	12	34,200	0.53	3.72	2.8
KNPP	17:30	4,566	1.32	117	47	58	11	16	2.4	0.5	11.1	0.2	120,700	0.2	0	15.0	1.75	14	12	34,200	0.53	2.26	2.8
H-Vis			1.32	300	61	94	19	25													0.48	7.84	

Mud Pumps: 14-P-220 @ 4590.0 mBRT	5.00 gal/min/stroke @97%	Personnel @24:00	Mud Materials on Board @24:00 (unit: kg)				
No. 1	180	900	31.2	46	37		
No. 2							
No. 3							

Geologic Information	From	To	Lithology of cuttings

Shale Shaker	No. 1	#10, #200 x 2	No. 4	#10, #200 x 2	No. 1	6.0
No. 2	#10, #200 x 2	No. 5	#10, #200 x 2	No. 2	off	
No. 3	#10, #200 x 2	No. 6	#10, #200 x 2	No. 3	off	

Materials Stock on Board @24:00	Item	Unit	Received	Used	Stock
Fresh Water	m3	50.8	108.7	(16.1)	
Drill Water	m3	0.0	10.0	(10.0)	
Drill Water	m3	0.0	59.9	(59.9)	
Fuel	m3	0.0	55.5	(55.5)	
Lube, Oil	Ltrs	0.0	1,500.0	(1,500.0)	
HEI Fuel	Ltrs	0.0	0.0	0.0	
Cement "GW"	ton	0.0	0.0	0.0	
Cement "G"	ton	0.0	0.0	0.0	

Boat Information @24:00	Boat Name	Status	Time @Chikyū
	Kakko	Current survey, SW 5miles	Departed
	Shinshou-manu	Shinga	Arrived
	Hakuryu-manu	Current survey	

Mud Volume (m3)	KNPP mud (1.32)	160
KNPP mud (1.13)	44	
KNPP mud (1.28)	202	
LOM 20% (1.13)	24	
H-Vis (1.32)	50	
KNPP (1.16)	10	
total	571	

Weather Information	Time	Weather	Temp (degC)	Barometer	Wind	Wave	Current	Visibility
	24:00	bc	7.5	16.0	1026.2	Speed (m/s) Dir (deg) Gust (m/s)	Height (m) Dir (deg) Period (s)	Speed(kts) Dir (deg) (km)
					11.1 9.0 13.4	17 15 5.8	0.4 102	22.0

Today's Schedule: Continue opening 12-1/4" hole to 14-1/2".

Reported by: S. Kataoka / S. Yamada
 Approved by: Y. Saruhashi

Item	Received	Used	Stock
Barite (Bulk)			142,000
Kumpel-VO (Bulk)			10,800
NaCl			16,000
KCl			8,000
Tel-Polymer OX / L / H	220/100/20		4700/1820/1440
KCD-Polymer			150
Soda Ash			1,400
KOH	150		1,550
Clean Lube			5,800
Tel Clean			800
Bi-Carbonate			1,000
Lime			1,240
Defoamer 30C			192
Tenite GXL			36
Weatherford (CSG)			3,200
NaOH			800
Lignite NC			2,300
Tel Stop G / P			500/1,000
Tel Mica C / M / F			500/1,000/1,000
Tel Plug C / M / F			500/1,200/980
EZ Spok			550
Tan Cal M / F / FF			4230/4500/0
Spedier P / X			1700/1700
Baracor-100 (gal)			0
Astex S			800
Treat HS			2,160
Xanis			700
Tenite OS-S			0
Tenite HEC			0

Fit	Time	Passenger		
No. 1	Arrived 9:09	Departed 9:18	Arr. 9	Dest. 9
No. 2	11:18	11:26	9	5
No. 3	13:31	13:38	2	4
No. 4				

Marine Information @24:00	Heave (m)	Pitch (deg)	Roll (deg)	Vessel Heading (deg)	Riser Tension (kN)	V.D. Load (kN)	Max Draught (m)	Thruster (kW)
	0.3	0.2	0.3	350	9400	10711.8	9.0	1090