

Site Name: C0002 Hole Name: C0002P Lat: 33° 18.6507'N Long: 136° 38.2029'E Report Date: 6/Jan/2014
 Depth: @24.00 4442 mBRT 2474.3 mbsf (14.5') Progress: 94 m Seabed Depth: 1,967.5 mBRT RT-MSL: 28.5 m
 Depth: @06.00 4471 mBRT 2593.5 mbsf (14.5') Drilling/Coring/Underreaming Hrs.: 13.25 hrs LAST CASING: 13-38" x 1,936.50 mbsf (3,904.0 mBRT)

From	To	Hrs	Code	Detail of Operation
0:00	1:30	1:30	OH	Continue circulating bottoms up. Reciprocate string. 950gpm x 33.1MPa and booster 450gpm x 5.4MPa. 60rpm x 8.5kNm.
0:00	2:45	2:45	Tip	Flow check prior short trip - well static. Short trip. 4345-3364mBRT. No excess drag was observed.
2:45	4:30	1:45	OH	Connect to HPS and ream up. 3940-3919mBRT
4:30	5:15	0:45	W&R	Ream down. 3919-3679mBRT. 900gpm x 31.3MPa. 120rpm x 6-11kNm.
5:15	6:30	1:15	RR	Swab washed on pump#1 at 5:05. Mud pump #3 tripped and trouble shoot mud pump #3, repair piston on #1 pump.
6:30	10:30	4:00	W&R	Ream down. 3675-4346.3mBRT. Resumed reaming down. 3675-4346.3mBRT. 915gpm x 30.5-31.3MPa. 60-140rpm x 8-17kNm.
10:30	15:15	4:45	OH	Booster back online at 9:30. 450gpm x 5.4MPa. Resume opening 12-1/4" hole to 14-1/2". 4348 - 4386mBRT (2380.5 - 2418.5mbsf, 38m). WOB: 0-58kN, 935gpm x 33.4MPa, 140rpm x 11-34kNm. Booster 450gpm x 5.4MPa. ROP ave 3.1m/hr. Max 25.9m/hr @431mBRT, min 1.45m/hr @435mBRT. Gas Tr. caving: Tr.
15:15	17:00	1:45	RR	Repair piston on #1 pump. Shut off mud pump and change line. Attempt circulate with #2 and 3 mud pump - NG (#3 mud pump couldn't function).
17:00	24:00	7:00	OH	Loadline #2 mud pump while working on #1 and #3 pumps. 450gpm x 10.1MPa. Resume opening 12-1/4" hole to 14-1/2". 4388 - 4442mBRT (2416.5 - 2474.5mbsf, 58m). Pump 10m3 of Hi-vis after every connection from 4423.7mBRT. WOB: 0-80kN, 930gpm x 33.2MPa, 140rpm x 11-34kNm. Booster 450gpm x 5.3MPa. ROP ave 13.0m/hr. Max 28.8m/hr @4366.5mBRT, min 2.4m/hr @4418mBRT. Gas Tr. caving: Tr.

	Angle	Deg
LFI	130	0.5
LMRP	170	0.5
BOP	140	0.5

Bulls eye reading @15.40

BOP status

- Yellow pad
 1. Lower annular close: SPM leak
 2. Lower annular open: malfunction (SV and PS problems)
 3. Upper inner choke open: SPM leak
 4. Upper inner choke close: Indication Pressure SW problem
 5. Lower inner choke open: Indication Pressure SW problem
 6. Choke isolation valve close: leak
 7. Wellhead connector reg decrease: malfunction
 8. Upper annular close: SPM leak
- Blue pad
 1. Mud boost valve open: SPM leak
 2. Choke isolation valve: leak
 3. Pod stab extend: indication pressure SW problem

Note:
 Depth reference above are bit depth. Bit to top of underreamer cutter. 4.42m
 Circulate #2 (8rpm) and #3 (booster) during repair #1 mud pump. 450gpm x 10.3MPa. 60rpm x 8.5kNm.
 Dive ROV: ROV inject glycol 20gal to BOP and 13 gal LMRP. Recover to surface.
 Pump #3 type at high SPM & pressure. Not feasible to use for drilling, booster only.
 Further investigation on going.
 Sea current: Chikyū 0.6-1.3 knot. SW 5miles 1.2-3.7 knot.

From	To	Hrs	Code	Detail of Operation
0:00	0:45	0:45	RR	Swab of piston washed, replace same.
0:45	5:00	5:15	OH	Resume opening 12-1/4" hole to 14-1/2". 4442 - 4471mBRT (2474.5 - 2505.5mbsf, 31m). Pump 10m3 of Hi-vis every connection, pumped tandem pill (5m3 Hi-vis - 5m3 mud - 5m3 hi-vis) at 4448mBRT. Dive ROV: ROV inject glycol 20gal to BOP and 13 gal LMRP. Recover to surface. WOB: 0-58kN, 935gpm x 32.4-34.7MPa, 140rpm x 11-34kNm. Booster 450gpm x 5.3MPa. ROP ave 8.9m/hr. Max 27.1m/hr @4463mBRT, min 2.3m/hr @4423mBRT. Gas Tr. caving: Tr.

	Angle	Deg
LFI	9	0
LMRP	130	0.5
BOP	170	0.5

Bulls eye reading @4.40

Bit No.	Size (in)	MFR	Type	IMDC Code	S.No.	Nozzles	Depth (m)	Meterage	Hrs.	WOB (knt)	rpm	Total Rev. (knt)	Inner	Outer	Dual Condition
RR8a	12.25"	Smith	MD186BPX	M223	JG7525	15 x 7	5,026.0	515.8	44.38	0	152	116	140	475.0	
RR8b	14.5"	NOV	Underreamer		1225-0121	8 x 1	3926.00								

RR8a	RR8b	14-1/2" Underreamer	Bit x bit sub x 14.5" Underreamer x float sub (with approp type 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 (67ftads)	Hook Wt. (knt) @
			x 5-1/2"DP S-140 (21ftads) x XO x 5-1/2"DP S-150 (8ftads) x XO x 6-5/8"DP 2-140	4,438.0 mart

Mud Properties	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		4:00	3,922	1.32	108	43	54	10	14	2.5	0.5	11.0	0.2	117,200	0.2	0	15.0	1.75	13	10	31,200	0.53	3.58	3.1
KNPP		14:30	4,378	1.32	112	46	60	11	16	2.6	0.5	11.2	0.2	117,200	0.2	0	15.0	1.75	12	11	32,400	0.50	2.62	3.1
Hi-vis				1.32	300	61	98	20	27			11.0									0.47	8.57		

Mud Pumps	14-P-220 @ 4438.0 mBRT	5.00 gal/min stroke @97%	Personnel @24:00	Mud Materials on Board @24:00 (unit: kg)							
No.	Linear Size	SPM	GPM	Press. (MPa)	Ann. Vel. (m/min)	DC	DP	Item	Received	Used	Stock
1	6"							CDLEX			12
2	6"	190	950	33.4	48	39		MU Crew			96
3	6"							MUJ (sub sea & Hydr)			1
								MWJ			17
								Scientist			24

Geologic Information	From	To	Lithology of cuttings

Shale Shaker	No.1	#10, #200 x 2	No.4	#10, #200 x 2	No.1	4.5
	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	104.0	101.2	2.8	
Drill Water	m3	0.0	0.4	(0.4)	
Fuel	m3	0.0	55.8	(55.8)	
Lube, Oil	Ltrs	0.0	0.0	0.0	
Hel 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	Departed	Arrived
	Kaho	Chikyū	4:00	19:15	
	Shindou-manu	Current survey, 5miles SW			
	Hakuryu-manu	Current survey			

Mud Volume (m3)	Item	Received	Used	Stock
KNPP mud (1.32)	KNPP mud (1.32)	181		
KNPP mud (1.13)	KNPP mud (1.13)	44		
KNPP mud (1.28)	KNPP mud (1.28)	223		
LOM 20% (1.13)	LOM 20% (1.13)	24		
Hi-vis (1.32)	Hi-vis (1.32)	30		
KNPP (1.96)	KNPP (1.96)	10		
total		583		

Weather Information	Time	Weather	Temp (degC)	Barometer (hPa)	Wind (m/s)	Dir (deg)	Gust (m/s)	Height (m)	Wave (deg)	Period (s)	Current (knt)	Dir (deg)	Visibility (km)
	24:00	bc	8.0	1019.4	7.2	210	10.5	14	20	5.9	1.3	91	22.0

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

Hook Load	2760
SHN	390
Below Jar	300
Hook + HPS	730
Hook block	307

Jar Rotating time	S/N	1762-1353
Today	8.55	Total 119.45 hrs

Cutting Slip @24:00	Empty	Full	Total
	33	0	33

ROV	Status	On deck
Last Dive		15/14
Injection Skid	0 / 33	off

Hel Information	Flt No.	Time	Passenger
	1	Arrived 9:07, Departed 9:19	Ans, Dest.
	2	11:21	11:29 9 9
	3		
	4		

Safety (HSE) and other information	Incident	Last	No. LTA
	Incident	13/Feb/2013	

Remarks	LTA	HUNTS cards	28

Marine Information @24:00	Heave (m)	0.3
	Pitch (deg)	0.2
	Roll (deg)	0.1
	Vessel Heading (deg)	330
	Riser Tension (kN)	9400
	Y.D. Load (Moon)	10845.9
	Max Draught (m)	9.0
	Thrust (kW)	940

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