

Site Name: C0002 Hole Name: C0002P Lat: 33° 18.0507'N Long: 136° 38.2029'E Report Date: 30/Dec/2013
 Depth: @24.00 4725.0 mBRT 2757.5 mbsf Progress: 231.00 m Seabed Depth: 1,967.50 mBRT RT-MSL: 28.5 m
 Depth: @06.00 4800.0 mBRT 2832.5 mbsf Drilling/Conn/Jetting Hrs.: 18.50 hrs LAST CASING: 13-3/8" x 1,936.50 mbsf(3904.0 mBRT)

From	To	Hrs	Code	Detail of Operation
0:00	6:15	6:15	Drig	Continue drilling 12-1/4"LWD hole 4494-4569mBRT (2526.5-2601.5mbsf: 75m) WOB: 95-163kN HPS: 36-100RPM x 14.5-22.4kN/m. Mud motor revolution 103-110RPM. Pump: 825gpm x 31.5-38.2kPa. Boost on riser 4.1Mpa/400gpm. ROP: Ave. 15.1m/hr, Min 5.1m/hr (@4497mBRT), Max: 41.4m/hr (@4505.5mBRT) Caved cuttings: -r Caved cuttings: -r
6:15	9:00	2:45	C&C	Run 10m of 7/8" mud and circulation and bottom to: 865gpm x 37.8kPa. HPS: 30rpm x 11-10kN/m. Boost on riser 4.1Mpa/80gpm Short Trip: POOH from 4569m to 4116mBRT. Pull all (12stas) of 6-5/8" 2-1/4" Drill pipe. No abnormal drag observed. WOB: 30-120kN Run back to bottom (from 4116m to 4569mBRT). (10:00 - 10:15) Change elevator insert for 5-1/2" S-150 (changing time 7 min) (10:30 - 11:00) R/H w/10 stas of 5-1/2" S-150 drill pipe from 4116m to 4498mBRT. No abnormal drag observed. (11:00 - 11:15) Change elevator insert for 6-5/8" 2-1/4" (changing time 7 min) (11:15 - 11:30) R/H w/5-5/8" 2-1/4" drill pipe from 4498m to 4559mBRT. No abnormal drag observed. Meanwhile: Change gear oil on #2 pump. Connect HPS and wash down from 4536m to 4569mBRT (bottom) w/800gpm x 3.5Mpa. 60rpm x 11-13kN/m. Resume drilling 12-1/4"LWD hole 4569-4725mBRT (2601.5-2757.5mbsf: 156m) HPS: 36-100RPM x 15-24kN/m. Mud motor revolution 63-114RPM. Pump: 825gpm x 34.1-38.4kPa. Boost on riser 4.1Mpa/400gpm. Finished changing gear oil on #2 pump, booster back online at 16:30 ROP: Ave. 17.0m/hr, Min 5.1m/hr(4497m), Max: 41.4m/hr(@4505m) Mud gas: Back ground gas: 0.3-0.6% Caved cuttings: -r
11:30	11:45	0:15	Trip	Connect HPS and wash down from 4536m to 4569mBRT (bottom) w/800gpm x 3.5Mpa. 60rpm x 11-13kN/m. Resume drilling 12-1/4"LWD hole 4569-4725mBRT (2601.5-2757.5mbsf: 156m) HPS: 36-100RPM x 15-24kN/m. Mud motor revolution 63-114RPM. Pump: 825gpm x 34.1-38.4kPa. Boost on riser 4.1Mpa/400gpm. Finished changing gear oil on #2 pump, booster back online at 16:30 ROP: Ave. 17.0m/hr, Min 5.1m/hr(4497m), Max: 41.4m/hr(@4505m) Mud gas: Back ground gas: 0.3-0.6% Caved cuttings: -r
11:45	24:00	12:15	Drig	Continue drilling 12-1/4"LWD hole 4725-4800mBRT (2757.5-2832.5mbsf: 75m) WOB: 95-163kN HPS: 36-90RPM x 15-24kN/m. Mud motor revolution 101-108RPM. Pump: 825gpm x 33.7-37.6kPa. Boost on riser 4.1Mpa/400gpm. ROP: Ave. 14.0m/hr, Min 5.7m/hr(4726.5m), Max: 23.6m/hr(@4796.5m) Mud gas: Back ground gas: 0.2-0.6% Caved cuttings: -r

LFJ	Angle	Deg
	0.0	0
	130.0	0.5
	170.0	0.5

Sensor distance to bit (m)	
AFR	13.76
PWD-M5	16.02
AGR	16.23
DDS-M5	16.79
EWR-M5	19.03
XBAT	26.34
MWD	31.45

Mud motor revolution factor: 0.13 rev/sgal

From	To	Hrs	Code	Detail of Operation
0:00	6:00	6:00	Drig	Continue to drill 12-1/4"LWD hole 4725-4800mBRT (2757.5-2832.5mbsf: 75m) WOB: 95-163kN HPS: 36-90RPM x 15-24kN/m. Mud motor revolution 101-108RPM. Pump: 825gpm x 33.7-37.6kPa. Boost on riser 4.1Mpa/400gpm. ROP: Ave. 14.0m/hr, Min 5.7m/hr(4726.5m), Max: 23.6m/hr(@4796.5m) Mud gas: Back ground gas: 0.2-0.6% Caved cuttings: -r
6:00	24:00	18:00	Drig	Continue to drill 12-1/4"LWD hole 4800-4884mBRT (2832.5-2916.5mbsf: 84m) WOB: 95-163kN HPS: 36-90RPM x 15-24kN/m. Mud motor revolution 101-108RPM. Pump: 825gpm x 33.7-37.6kPa. Boost on riser 4.1Mpa/400gpm. ROP: Ave. 14.0m/hr, Min 5.7m/hr(4726.5m), Max: 23.6m/hr(@4796.5m) Mud gas: Back ground gas: 0.2-0.6% Caved cuttings: -r

SR	Size (in)	MFR	Type	IADC Code	S.No.	Nozzles	Depth (m)	Meterage	Hrs.	WOB (kN)	rpm	Total Rev. (rev)	Inner	Outer	Dull	Loc.	B	G	O.D.	RP	
8	12.25"	Smith	MDH16BXP (PDC)	M223	JG7525	14 x 7	4,186.00 - 4,725.00	539.0	38.09	4	163	164	216	576.0							

Item	Received	Used	Stock
Barite (Bulk)		3,000	169,700
Kumlog-VO (Bulk)			10,800
NaCl			23,000
KCl			19,000
Tel Polymer DX / L / H		120/800	5240/2400/1460
XCD-Polymer		100	325
Soda Ash			1,500
KOH		250	2,025
Clean Lube	800	600	12,000
Tel Clean			2,600
Bi-Carbonate			1,000
Lime			1,240
Defoamer 30C			192
Telite GXL			36
Tel DD			3,200
NaOH			800
Lignite NC			2,000
Tel Stop S / P			500 / 1,000
Tel Mica C / M / F			500 / 1,000 / 1,000
Tel Plug C / M / F			500 / 1,000 / 960
Tan Cal M / F / FF			4230 / 4500 / 0
EZ Spot			550
Spacener P / X			1700 / 1700
Baracor-100 (gal)			0
Astex S			3,600
Treat HS			9400
Kamvis			700
Telrite OS-S			0
Telrite HEC			0

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Get St (10', 10')	WL	Cake	pH	PI	Cl-	Sand	Oil	Solid	MBC	Temp (In / Out)	K+	n	K	LGS
KNPP	5:00	4,565	1.28	105	43	55	10 / 13	2.5	0.5	11.1	0.2	124,300	0.2	0	13.0	1.25	15 / 13	34,800	0.52	3.72	1.8
KNPP	17:00	4,640	1.28	108	45	55	10 / 13	2.5	0.5	11.0	0.2	124,300	0.2	0	13.0	1.25	14 / 13	34,200	0.55	1.81	1.8

Mud Pumps	14-P-220	4494.2 mBRT	5.00	98R/30kpsi @ 97%	Personnel @24.00
CDEX					7
MQU Crew					96
MQU (inc. Crew)					10,800
MQU (Sub sea & Hye)					3
MWJ					16
Scientist					24
Telrite					2
Coastguarding					6
Schumberger-CMT					1
SLB WL					0
Geoservice					6
Velco					1
Haliburton-LWD					3
Haliburton-DD					1
Weatherford (CSG)					0
Mi-Swaco					4
NOV Anderseamer					1
Total					172

Item	Unit	Received	Used	Stock
Fresh Water	m3	107.9	109.6	300.6
Probable Water	m3	0.0	5.4	183.3
Drill Water	m3	0.0	29.5	1,166.6
Fuel	m3	0.0	62.5	3,165.7
Lube, Oil	Lbs	0.0	500.0	51,900.0
Hell Fuel	Lbs	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 Name	Status	Time @Chikyū
Kaikō	Standby	-
Shinhou-manu	Standby	19:35
Hakuyū-manu	Current survey @S 10 miles	-

Time	Weather	Temp. (degC)	Barometer	Wind	Wave	Current	Visibility
24.00	bc	7.0	1019.2	9.4	304.0	12.0	1.0

Today's Schedule:	Continue to drill 12-1/4"LWD hole.
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Marine Information @24.00	Heave (m)	Roll (deg)	Thruster (kW)
	0.2	0.2	2000

Fit	Time	Passenger
No.	Arrived	Departed
1		
2		
3		
4		

Remarks
Rig abandon drill.

Reported by:	Y. Yamada / D. Benimoto
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Approved by:	Y. Uemura
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