

Chikyu DAILY MORNING REPORT

Mission No. : CK13-04

Exp. No. : Exp 348

Report No. : 71

Site Name : C002
 Depth : @24.00 4287.5 mBRT 2330.0 mbsf
 Depth : @06.00 4287.5 mBRT 2330.0 mbsf
 Summary of Operation on 22-Nov : RIH 13-3/8"CSG. Landing 13-3/8"CSG hanger. 13-3/8"CSG CMTG. Pressure test packoff. Release and POOH PADPRT.
 Present Operation @ 06:00 on 23-Nov : Changing saver sub and IBOP on HPS.
 Time Breakdown (00:00 - 24:00) on 22-Nov

From	To	Hrs	Code	Detail of Operation
0:00	0:15	0:15	CSG(N)	Continue run 13-3/8" CSG from 3734 to 3755mBRT. Loss rate 0.5m3/hr.
0:15	5:45	5:30	CSG(N)	Run 13-3/8" CSG from 3755 to 3810mBRT on 6-5/8" landing string. Tight spot from 3755 to 3962mBRT. Loss rate 0.5-0.9m3/hr. Worked string down 700-1000kN, increased flow to 300gpm x 4.0MPa, indication of partial packing off was observed from pressure increment.
5:45	6:45	1:00	CSG(N)	Landed 13-3/8"CSG hanger onto wellhead. Make up cement slurry, open CMC and land CSG hanger onto wellhead. Slacked casing weight + 66.7kN (Hook: 4262kN to 2263kN) and scribe line. Check landing with index line - OK. Pull landing string weight (H.K.L.D: 2770kN) and scribe line. Set down to neutral (Hook: 2330kN) and rotate string 1 turn to right. Rig up cement lines while boosting riser at 200gpm.
6:45	7:45	1:00	CMT	Flushed cement line and pressure test at 300/6000psi for 5/10min - OK. No losses observed while boosting riser.
7:45	8:15	0:30	CMT	Pumped 52.9bbl of chemical wash-7 with cementing pump. 4.8bpm x 630-610psi.
8:15	8:45	0:30	CMT	Pump 125.8bbl of spacer at 500gpm x 6.2MPa with rig pump.
8:45	11:00	2:15	CMT	Closed lower IBOP and applied 200psi back pressure. Drop bottom (1st) dart, mix and pump 1.89g cement slurry with cementing unit. Pumped 15.9m3 of tail slurry followed by 15.9m3 of Cement slurry and 39.1m3 of tail slurry (total 70.9m3). Pump rate: 3.3-6.3bpm x 72-280psi. Drop top dart (2nd) and displace 1.59m3 of drill water with cementing unit. Pumping was stopped due to limited bulk cement transfer rate. Indication of bottom dart bump was not observed.
11:00	13:00	2:00	CMT	Displace mud with rig pump. 500gpm x 0.3MPa. Loss rate: 2.8m3/hr. Top plug shear with 16.8MPa @94cts. Bottom plug bump with 0.7MPa @5345cts. 1.1MPa of pressure spike was observed @5728cts. SPP was increased gradually @605cts. Top plug bump @8770cts and increase pressure and hold at 14.4MPa @8797cts for 5min. Total: 166.3m3. Close lower IBOP, equalize pressure across ex-torg on CMT head from CMTG line (2000psi). Open ex-torg of CMT head and bleed back to cementing unit bled 1.2m3. Confirm float holding.
13:00	14:30	1:30	CSG	Set MS-1 pack off seal and energize. Check index line. Slack 67kN (Hook: 2260kN), rotate 4 turn right and check index line confirmed 5" drop. Flush CMTG line and close inner lower kill valve.
14:30	15:45	1:15	Other (N)	Attempt to pressure test of CMTG line, suction mal-function.
15:45	17:00	1:15	CSG(N)	Switch to rig pump and attempt to energize MS-1 pack off seal. Close middle pipe ram and pressurize to 3000psi with 15gpm - NS. Open middle pipe ram, pick up and slack off few times with CMC and pressurize again - NG. Meanwhile, clean suction line of cementing unit.
17:00	19:00	2:00	CSG	Switch back to cementing unit, energize MS-1 pack off seal and pressure test same at 5500psi. Pressurize to 3000psi x 10min with 2.0bpm - OK (pump: 1.5bbl, back: 1.5bbl, no injection). Overpull 520kN (Hook: 2870kN) and pressure test MS-1 pack off seal at 500psi x 5min and 550psi x 10min with 0.4bpm - OK (pump: 1.8bbl, back: 1.8bbl, no injection).
19:00	24:00	5:00	CSG	POOH PADPRT on 6-5/8" landing string from 3978 to 1117mBRT. Slack 50kN and rotate 4 turn right. Pick up with CMC and release PADPRT (Hook: 266kN). Excess drag of 100kN @3977.4mBRT was observed through upper annular BOP. Pick up with pump through choke line 300gpm. Drop sponge ball in box thread of 6-5/8"DP UD-165 and pump string volume. Meanwhile, recover ROV to 500m and wait on lower current.

	Angle	Deg
LFJ	0	0.00
LMRP	130	1.00
BOP	160	0.50

Bulls eye reading @ 18.14

CMT slurry		
G Cement	111	ton
D193	530	gal
D206	45	gal
D095	150	lb

Time Breakdown (00:00 - 06:00) on 23-Nov : The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	Detail of Operation
0:00	1:00	1:00	CSG(N)	Continue POOH PADPRT on 6-5/8" landing string from 1117 to 727mBRT.
1:00	3:30	2:30	CSG(N)	Changed out elevator, continue POOH PADPRT on 5-7/8" landing string from 727 to surface.
3:30	4:30	1:00	CSG(other)	Lay down PADPRT and SST.
4:30	6:00	1:30	CSG(other)	Change out IBOP and saver sub on HPS.

Sea current @ Chikyu: 1.0-3.4 knot. 5 mile SW. 2.2-3.8 knot.

BT No.	Size (in)	MFR	Type	IADC Code	S.No.	Nozzles	Depth (m)		Meter-age	Hrs.	WOB (kN)		rpm		Total Rev (krev)	Dull Condition			
							From	To			Min.	Max.	Min.	Max.		Inner	Outer	Dull	Loc.

BHA Record

BT No.	Size (in)	MFR	Type	IADC Code	S.No.	Nozzles	Depth (m)	Meter-age	Hrs.	WOB (kN)	rpm	Total Rev (krev)	Inner	Outer	Dull	Loc.	B	G	O.D.	RP

Mud Properties

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St. (10"/10')	WL	Cake	pH	PI	Cl-	Sand	Oil	Solid	IBC	Temp (In/Out)	K+	n	K	LGS		
KNPP	3:00	3.760	1.13	130	42	56	10	12	3.0	0.5	10.0	0.1	71.000	0.1	0	7.0	1	10		26.500	0.51	3.96	1.1
KNPP	17:00		1.13	103	40	44	8	10	3.0	0.5	10.0	0.1	70.300	0.1	0	7.0	1	15		28.100	0.54	1.79	1.1

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

No.	Liner Size	SPM	GPM	Press. (MPa)	Ann. Vel. (min/m)	CSG
1	6"					
2	6"		0			
3	6"					

Personal @24:00

Item	Received	Used	Stock
CDEX	11		
MQJ Crew	98		
MQJ (SC, other)	1		
MQJ (Sub sea & Hyd)	2		
MWJ	15		
Scientist	3		
Tenite	2		
Oceanseering	6		
Schlumberger-CMT	3		
SLB WL	0		
Geoservice	6		
Vetco	1		
Halliburton-LWD	3		
Halliburton-DD	0		
Weatherford (casing)	4		
MI-Swaco	4		
Tenaris	1		
Total	160		

Materials Stock on Board @24:00

Item	Unit	Received	Used	Stock
Fresh Water	m3	106.1	95.9	337.7
Potable Water	m3	0.0	7.4	313.7
Drill Water	m3	0.0	84.3	1,561.3
Fuel	m3	0.0	52.3	5,084.8
Lube, Oil	Ltrs	0.0	900.0	75,200.0
Heli Fuel	Ltrs	0.0	0.0	0.0
Cement "GW"	ton	0.0	0.0	82.0
Cement "G"	ton	0.0	111.0	50.0

Boat Information @24:00

Boat Name	Status	Time @Chikyu
Kaiyu	Departed	-
Shinchou-maru	Chikyu	15:35
Hakuryu-maru	Current survey @ 5miles SW	-

Mud Volume (m3)

Item	Volume (m3)
KNPP mud (1.13)	193
KNPP mud (1.12)	0
KNPP mud (1.11)	470
LCM 20% (1.13)	24
H-vis (1.12)	11
KNPP (1.28)	11
total	709

Weather Information

Time	Weather	Temp. (degC)	Barometer (hPa)	Wind (m/s)	Wind Dir (deg)	Wave Height (m)	Wave Dir (deg)	Period (s)	Current Speed (knt)	Current Dir (deg)	Visibility (km)
24:00	bc	14.0	1020.3	7.3	346.0	0.9	300	4.8	2.8	87	22.0

Today's Schedule : Make up WBRTT with 13-3/8" wear bushing, RIH, set WB, test BOP.

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