

Chikyu DAILY MORNING REPORT

Mission No. : CK13-04

Exp. No. : Exp 348

Report No. : 67

Site Name : C0002 Hole Name : C0002N Lat. 33° 18.0607'N Long. 136° 38.2029'E Report Date : 19/Nov/2013
 Depth : @24:00 4287.5 mBRT 2330.0 mbsf Progress : m Sealed Depth : 1,967.50 mBRT RT.MSL : 28.6 m
 Depth : @06:00 4287.5 mBRT 2330.0 mbsf Drilling/Coring/Jetting Hrs. : hrs LAST CASING : 20" x 860.30 mbsf(2,827.8 mBRT)
 Summary of Operation on 18-Nov : Continue to run 13-3/8" casing on landing string.
 Present Operation @ 06:00 on 18-Nov : Circulation @3767mBRT.
 Time Breakdown (00:00 - 24:00) on 18-Nov : mBRT: meter below rotary table
 mbsf: meter below sea floor

From	To	Hrs	Code	Detail of Operation
0:00	6:00	6:00	CSG	Resume running 13-3/8" casing from joint #145 to #192 (1730-2309mBRT). @6:00 fill up @#192 on going. Fill up every 20ft
6:00	8:00	2:00	CSG	Open CMC White FIC and two centralizer passing through BOP and wellhead. No extra drag observed. Change elevator from Casing elevator (5000 ton grip elevator) to 5000 ton hydraulic elevator.
8:00	8:30	0:30	CSG(Other)	PIU (pick up) casing hanger joint (3m pur-casing hanger (1) x PADPRTR(w/SS) X X O X 5-1/2 S-150 6m pup x 2XO x 5-7/8" NK155 2m)
8:30	9:00	0:30	CSG(Other)	Rig down Flush mount spider. Install Master bushing.
9:00	10:00	1:00	CSG	Run 13-3/8" csg w/5-7/8" DP /2309m /2469m while checking the drill pipe taper proper seating against elevator insert.
10:00	12:00	2:00	CSG(Other)	Change insert to 6-5/8" DP. Checked seating of taper against primary elevator insert w/500KN, 1000KN, 1500KN weight on elevator.
12:00	13:00	1:00	CSG(Circ)	Break circulation and circulate annular up to BOP. 120spm x 2.2Mpa (3700cts)
13:00	13:15	0:15	CSG(Other)	Lay down single from 6-5/8" stand #1 (lay down tested joint).
13:15	13:30	0:15	CSG(Other)	Changed out 7500m insert from primary set to secondary set to conduct test with different insert.
13:30	14:00	0:30	CSG(Other)	Tested seating of taper against second elevator insert w/500KN weight on the elevator. Replaced tested double joint from 6-5/8" stand #1.
14:00	14:15	0:15	CSG	PIU and made up two 6-5/8" single joints, made up 6-5/8" landing string stand #1 and racked back.
14:15	16:30	2:15	CSG	Run 13-3/8" csg on 5-7/8" DP /2469m /3038m. Make up connection with 83KN.
16:30	21:45	5:15	CSG	Changed out elevator insert, run 13-3/8" csg on 6-5/8" DP as per tally /3038m /3808m. Make up connection with 83KN. Connected HPS and wash down casing string at 2500gpm/2.1MPa. No significant drag was observed. Drag: 130-150KN.
21:45	22:30	0:45	CSG	Continue running 13-3/8" csg on 6-5/8" UD 165 landing string per tally /3808m to w/ 250gpm/2.9MPa.
22:30	23:00	0:30	CSG	Continue run stand #25 /3961 /3982m. 250gpm/2.9MPa. drag: 50-140KN. Tight spot at 3982m. take weight 500KN. PIU free with 1000KN over pull. Slack 550KN. 100KN O.P. increased flow to 500gpm/5.7MPa. Slack down 1100KN and 800KN to break through, no success. Set neutral, pumps off, slack down 1200KN, no success. PIU string with 480KN O.P. to free. Pumps on 950gpm/12.2MPa, slack down 1400KN, pulled back to neutral and RRI to 3959m. 750gpm/10.3MPa with 470KN drag.
23:00	23:15	0:15	CSG(N)	Ran to 3959m, taking excess drag and pressure build up. PIU to 465KN O.P. pressure continue to build up to 16.1MPa, reduced flow to 300gpm/12.6MPa, continue pull to 900KN. Pipe stuck at 3992m. Shut off pump, pressure trapped at 9.2MPa, slowly bleeding, pull 1000KN O.P. no success. Bled off trapped pressure, worked pipe neutral to 1200KN O.P 3 times and continue pull to 1500KN O.P. no success.
23:15	23:30	0:15	CSG(N)	Worked pipe slowly w/OP 1200/ TW 800KN, pulled pipe to 3961m. Start pumping 10-20spm, but Pack off indication observed. (no mud return, take weight while pulling)
23:30	24:00	0:30	CSG(N)	Worked pipe +/- 4m (3957-3965m), took 1000KN O.P. 600KN drag.
<p>Note: ROV : (09:45-24:00) Bulls eyes checks. Injected 30gal of glycol to LMRP and BOP. Hydrate formed 40%. increased riser tension/ tension to 8650KN (85% riser efficiency) DCU on cement unit mal function, unable to record density, flow rate and LAS data. Cementing job can be conducted. Sea current @ Chikyu: 0.2-0.5 knot. 5mile SW 0.2-1.0 knot.</p>				

From	To	Hrs	Code	Detail of Operation
0:00	4:00	4:00	CSG(N)	Pull back #24 to #21 stand from 3961m to 3908mBRT w/over pull 1000KN 600KN drag w/o pumping. Observe casing string pack off while working string w/10spm pumping. (No mud return)
4:00	4:45	0:45	CSG(N)	Pull out # 20 stand (3908-3770mBRT) w/pumping 10-20-30spm. Observe pack off annulus of casing by pressure increasing and return flow rate. #20 stand rack back in derrick.
4:45	6:00	1:15	CSG(N)	Pull out # 19 stand (3770-3742mBRT) w/pumping 20-30-40-50spm (3.3-3.8-4.1Mpa). Observe annulus return. Increase pump rate gradually to 30-50-60of casing by pressure increasing and return flow rate.
5:30	6:00	0:30	C&C	Concretion for annulus cleaning w/50-100SPM x 3.4-6.2MPa
<p>Note: Sea current: Chikyu 0.6 knot. 10 mile SW 0.7 knot @6:00.</p>				

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
BHA Record																				

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St. (10 ³ / 10')	WL	Cake	pH	PI	Cl-	Sand	Oil	Solid	MBC	Temp (In/Out)	K+	n	K	LGS		
KNPP	7:30	Pt	1.13	118	40	42	8	10	3.0	0.5	10.2	0.1	78.100	0.1	0	7.5	1	9		26.300	0.57	2.30	1.8
KNPP	17:00	Pt	1.13	115	37	42	8	9	3.0	0.5	10.2	0.1	78.100	0.1	0	7.0	1	11		26.300	0.53	1.70	2.1

Mud Pumps	14-P-220	@ 1730.0 mBRT	5.00	gallon/stroke @97%		
No.	Liner Size	SPM	GPM	Press. (MPa)	Ann. Vel. (min/m)	CSG
1	6"					
2	6"	25	125	4.9	10	
3	6"					

Item	Received	Used	Stock
Barte (Bulk)		19,000	208,800
KunigaiVO (Bulk)			12,000
NaCl			37,000
KCl			10,000
Tel-Polymer DX / L / H			4200/1800/960
XCD-Polymer			400
Soda Ash			1,250
KOH			1,475
Clean Lubr			9,600
Tel Clean			0
Bi-Carbonate			2,100
Lime			1,240
Defoamer 30C			192
Telrite GXL			54
Tel DD			3,200
NaOH			800
Lignite NC			2,000
Tel Stop G / P			500 / 1000
Tel Mica C / M / F			500/500/850
Tel Plug C / M / F			500/500/560
Tan Cal M / F / FF			6630/7020
EZ Spot			550
Speeder P / X			1700 / 1700
Barson-100 (gal)			0
Astex S			9,600
Treat HS			0
Rester			0
Telrite OS-5			0
Telrite HEC			0

Fit	Time	Passenger
1	Arrived	Departed
2		
3		
4		

Incident	Last Incident	No. LTA
	13/Feb/2013	
HMS cards	22	

Item	Unit	Received	Used	Stock
Fresh Water	m ³	98.6	100.2	341.7
Potable Water	m ³	0.0	6.8	336.4
Drill Water	m ³	0.0	24.6	1,667.0
Fuel	m ³	0.0	46.2	5,282.4
Lube, Oil	Ltrs	0.0	0.0	77,500.0
Heli Fuel	Ltrs	0.0	0.0	0.0
Cement "GWC"	ton	0.0	0.0	82.0
Cement "G"	ton	0.0	0.0	161.0

Boat Name	Status	Time @Chikyu
Kaiyu	Chikyu	-
Shincho-maru	Shingyu	-
Hakuryu-maru	Current survey @ 5miles SW	-

Time	Weather	Temp. (degC)	Barometer	Wind	Wave	Current	Visibility												
24:00	bc	13.5	21.4	1012.9	10.3	290.0	12.3	1.1	Dir. (deg)	290	5.6	Period (s)	5.6	Speed(knt)	0.4	Dir. (deg)	290	Dir. (deg)	22.0

Today's Schedule : Run 13-3/8" casing with landing strings.

Reported by : S. Yamada / T. Yokoyama / D. Kenomoto
 Approved by : T. Sanuhashi