

Summary report

Wellbore: 15/9-F-14

Period: 2007-12-05 00:00 - 2007-12-06 00:00

Status:	normal
Report creation time:	2018-05-03 13:52
Report number:	13
Days Ahead/Behind (+/-):	
Operator:	StatoilHydro
Rig Name:	MÆRSK INSPIRER
Drilling contractor:	Mærsk Contractors
Spud Date:	2007-11-04 00:00
Wellbore type:	
Elevation RKB-MSL (m):	54.9
Water depth MSL (m):	91
Tight well:	Y
HPHT:	Y
Temperature ():	
Pressure ():	
Date Well Complete:	2008-06-15

Dist Drilled (m):	29
Penetration rate (m/h):	-999.99
Hole Dia (in):	26
Pressure Test Type:	
Formation strength (g/cm3):	0
Dia Last Casing ():	

Depth at Kick Off mMD:	
Depth at Kick Off mTVD:	
Depth mMD:	233
Depth mTVD:	233
Plug Back Depth mMD:	
Depth at formation strength mMD:	0
Depth At Formation Strength mTVD:	0
Depth At Last Casing mMD:	251.7
Depth At Last Casing mTVD:	251.7

Summary of activities (24 Hours)

Drilled 26" hole from 206 m to 211 m MD. Pulled BHA to tighten UBHO sleeve. RIH with BHA. Waited for work on Siemens system. Drilled 26" hole from 211 to 269 m MD, steered as required. Performed gyro single shot survey on each single drilled.

Summary of planned activities (24 Hours)

Drill 26" hole to 750 m MD.

Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	00:15	204	drilling -- drill	ok	Drilled rathole and shoe from 197 m to 201 m MD. Drilling parameters : Flow 4400 lpm / SPP 62 bar / Rotation 45 rpm / Torque 1-6 kNm / WOB 1-8 MT. Reamed back inside shoe for every 2 m drilled.
00:15	00:45	206	drilling -- drill	ok	Drilled 2 m new formation from 204 m to 206 m MD. Drilling parameters : Flow 4400 lpm / SPP 62 bar / Rotation 45 rpm / Torque 1-2 kNm / WOB 1-2 MT. Pumped 20 m3 his-vis sweep to clean an hole.
00:45	03:45	0	drilling -- drill	ok	POOH with 26" junk removal BHA from 206 m MD to surface on 5 1/2" HWDP. Laid down 1 x 8 1/4" DC. Racked back jar/DC assy. Lifted UBHO/MWD assy to HTS due to wind speed limitations on crane. Pulled 9 3/4" DC/bit stand to surface and inspected 26" rock bit. Found 2 x pieces of junk trapped in roller cones. Removed 1 piece of 800 g. The other piece was jammed in middle of the bit and could not be removed easily. Also found several worn teeth on bit.
03:45	04:30	0	drilling -- drill	ok	Broke 26" bit and bit sub. Racked back stand of 9 3/4" DC.
04:30	05:30	70	drilling -- drill	ok	Ran 26" drilling BHA from surface to 70 m MD.
05:30	06:00	133	drilling -- drill	ok	Ran 26" drilling BHA from 70 m to 133 m MD.
06:00	07:00	206	drilling -- drill	ok	RIH with 26" drilling BHA from 133 m to 206 m MD. Stabbed into CTS funnel while observing with ROV.
07:00	08:45	211	drilling -- drill	ok	Established drilling parameters. Drilled 26" hole section from 206 m to 211 m MD. Drilling parameters : Flow 3100 lpm / SPP 62 bar / 1-2 MT WOB / Rotation 125 RPM / String torque 1-3 kNm. Pumped 20 m3 hi-vis to clean the hole at 211 m MD. Scientific drilling reported that UBHO sleeve had not been fastened correctly in the carrier. Decided to pull BHA for remedial action.
08:45	10:00	63	interrupt ion -- rep air	ok	POOH with 26" drilling BHA from 211 m MD to 63 m MD. No drag observed when pulling BHA through conductor shoe. Racked back DC/jar and NMDC stands to access UBHO sub.
10:00	11:00	63	interrupt ion -- rep air	ok	Checked UBHO relative to scribeline. Checked and tightened UBHO sleeve. Inspected 26" bit at Centralizer deck - no wear observed.
11:00	13:30	196	interrupt ion -- rep air	ok	Made up and RIH with 26" drilling BHA from 63 m to 196 m MD. Stabbed into CTS funnel while observing with ROV.
13:30	13:45	209	interrupt ion -- rep air	ok	Washed down with 26" drilling BHA from 196 m to 209 m MD pumping at 2000 lpm.
13:45	15:15	195	drilling -- survey	ok	Performed singel shot survey on WL with bit inside conductor shoe. Inclination 0,33 deg / Azimuth 306,1 deg / Toolface 050 deg. Halted drilling operation for software upgrade on Siemens F & G system.
15:15	18:45	195	drilling -- survey	ok	Stand-by for software upgrade of Siemens F&G system. At 18:15 hrs => Washed down to 209 m MD while pumping at 2000 lpm. Shut down pumps and waited for gMWD to reset.
18:45	19:00	209	drilling -- survey	ok	Pumped at 2000 lpm and obtained gMWD survey - rejected survey.
19:00	20:00	217	drilling -- drill	ok	Slid 26" drilling BHA from 211 m to 217 m MD. Drilling parameters : Flow 3100 lpm / SPP 62 bar / 1-3 WOB / Rotation 95 RPM (bit rpm) / String torque 0-1 kNm. Pumped 10 m3 hi-vis sweep. Picked off bottom and hung off on slips.
20:00	21:15	215	drilling -- survey	ok	Performed single shot survey on WL. Inclination 0,2 deg / Azimuth 243,9 deg / Toolface 112 deg. Pumped at 2000 lpm to obtain gMWD survey - rejected data.
21:15	22:15	226	drilling -- drill	ok	Slid 26" drilling BHA from 217 m to 226 m MD. Drilling parameters : Flow 3100 lpm / SPP 62 bar / 2-6 WOB / Rotation 95 RPM (bit rpm) / String torque 0-1 kNm. Pumped 10 m3 hi-vis sweep. Picked off bottom and hung off on slips.
22:15	23:00	226	drilling -- survey	ok	Performed single shot survey on WL. Inclination 0,37 deg / Azimuth 297,4 deg / Toolface 112 deg. Pumped at 2000 lpm to obtain gMWD survey - rejected data.
23:00	00:00	233	drilling -- drill	ok	Slid 26" drilling BHA from 226 m to 233 m MD. Drilling parameters : Flow 3100 lpm / SPP 62 bar / 2-6 MT WOB / Rotation 95 RPM (bit rpm) / String torque 0-1 kNm.

Equipment Failure Information

Start time	Depth mMD	Depth mTVD	Sub Equip - Syst Class	Operation Downtime (min)	Equipment Repaired	Remark
00:00	63		miscellaneous equ syst -- subsea inspection syst	0	00:00	ROV lost 3-finger claw in well. Remedial junk run needed in to remove/dislodge the junk.
00:00	211		service equ -- special service equ	0	00:00	Pull out of hole to fix problem with UBHO sleeve.

Bit Record

Run No.	Bit Size	Bit Type	IADC Code	Manufacturer	Hrs Drilled	Start mMD	End mMD	Hole Made (last 24H)	Hours Drilled (last 24H)	Form ROP	Total ROP	Total Hole Made	Total Hrs Drilled
2	26 in	XR+	117	Smith International	.2	204	204			10	13.5	23	1.7

Drilling Fluid

Sample Time	21:00
Sample Point	Reserve pit
Sample Depth mMD	235
Fluid Type	Spud Mud
Fluid Density (g/cm3)	1.05
Funnel Visc (s)	123
Mf ()	
Pm ()	
Pm filtrate ()	
Chloride ()	
Calcium ()	
Magnesium ()	
pH	
Excess Lime ()	
Solids	
Sand ()	
Water ()	
Oil ()	
Solids ()	
Corrected solids ()	
High gravity solids ()	
Low gravity solids ()	
Viscometer tests	
Plastic visc. (mPa.s)	-999.99
Yield point (Pa)	-999.99
Filtration tests	
Pm filtrate ()	
Filtrate Lthp ()	
Filtrate Hthp ()	
Cake thickn API ()	
Cake thickn HPHT ()	
Test Temp HPHT ()	
Comment	

Pore Pressure

Time	Depth mMD	Depth TVD	Equ Mud Weight (g/cm3)	Reading
00:00	235		1.03	estimated