

## Summary report

Wellbore: 15/9-F-10

Status:	normal
Report creation time:	2018-05-03 13:51
Report number:	56
Days Ahead/Behind (+/-):	10
Operator:	StatoilHydro
Rig Name:	MÆRSK INSPIRER
Drilling contractor:	Maersk Drilling
Spud Date:	2009-04-06 06:00
Wellbore type:	
Elevation RKB-MSL (m):	54.9
Water depth MSL (m):	91
Tight well:	Y
HPHT:	Y
Temperature ():	
Pressure ():	
Date Well Complete:	2009-06-03

Dist Drilled (m):	47
Penetration rate (m/h):	-999.99
Hole Dia (in):	8.5
Pressure Test Type:	formation integrity test
Formation strength (g/cm3):	1.55
Dia Last Casing ():	

Depth at Kick Off mMD:	
Depth at Kick Off mTVD:	
Depth mMD:	4958
Depth mTVD:	2803
Plug Back Depth mMD:	
Depth at formation strength mMD:	3439
Depth At Formation Strength mTVD:	2654
Depth At Last Casing mMD:	3441
Depth At Last Casing mTVD:	2654

## Summary of activities (24 Hours)

RIH with 8 1/2" drilling BHA from 1400 m to 4393 m MD. Filled pipe every 600 m. Washed/reamed down from 4393 m to 4911 m MD. Drilled 8 1/2" hole from 4911 m to 4958 m MD. Repaired TDS link tilt cylinder. Drilled 8 1/2" hole from 4958 m to 4994 m MD.

## Summary of planned activities (24 Hours)

Drill 8 1/2" hole from 4994 m MD to 5350 m MD. Perform Stethoscope sampling as required.

## Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	00:45	42	drilling - trip	ok	Picked up and prepared Echoscope/neutron for service. Installed RA-source in Echoscope.
00:45	02:00	138	drilling - trip	ok	Picked up and made up 5" HWDP single. Made up stand of jar/HWDP. Picked up and made up 2 x 5" HWDP singles. Made up stand of accelerator/HWDP. Installed totco ring on top of HWDP.
02:00	02:30	138	drilling - other	ok	Removed master bushing. Installed auto slips in RT and hooked up hydraulics.
02:30	03:00	340	drilling - drill	ok	RIH with 8 1/2" drilling BHA on 5" DP from 138 m to 340 m MD.
03:00	03:15	381	drilling - drill	ok	Picked up, made up and RIH with 3 x 5" DP to replace stand #6 .
03:15	03:30	626	drilling - drill	ok	RIH with 8 1/2" drilling BHA on 5" DP from 381 m to 626 m MD.
03:30	04:00	626	drilling - other	ok	Made up x-over to drillstring. Made up TDS and filled string, confirmed returns.
04:00	05:15	1237	drilling - drill	ok	RIH with 8 1/2" drilling BHA on 5" DP from 626 m to 1237 m MD.
05:15	05:45	1237	drilling - other	ok	Made up x-over to drillstring. Made up TDS and filled string. Pumped at 2000 lpm / SPP 106 bar and confirmed MWD functional.
05:45	06:00	1400	drilling - drill	ok	RIH with 8 1/2" drilling BHA on 5" DP from 1237 m to 1400 m MD.
06:00	06:45	1808	drilling - drill	ok	RIH with 8 1/2" drilling BHA on 5" DP from 1400 m to 1808 m MD.
06:45	07:00	1808	drilling - other	ok	Made up TDS and filled pipe.
07:00	07:30	2171	drilling - drill	ok	RIH with 8 1/2" drilling BHA on 5" DP from 1808 m to 2171 m MD.
07:30	07:45	2171	drilling - other	ok	Changed from 5" to 5 1/2" handling gear.
07:45	08:15	2411	drilling - drill	ok	RIH with 8 1/2" drilling BHA on 5 1/2" DP from 2171m to 2411 m MD.
08:15	08:30	2411	drilling - other	ok	Made up TDS and filled pipe.
08:30	09:30	2977	drilling - drill	ok	RIH with 8 1/2" drilling BHA on 5 1/2" DP from 2411 m to 2977 m MD.
09:30	09:45	2977	drilling - other	ok	Made up TDS and filled pipe.
09:45	10:45	3422	drilling - drill	ok	RIH with 8 1/2" drilling BHA on 5 1/2" DP from 2977 m to 3422 m MD.
10:45	11:00	3422	drilling - other	ok	Made up TDS and filled pipe.
11:00	12:30	3985	drilling - drill	ok	RIH with 8 1/2" drilling BHA on 5 1/2" DP from 3422 m to 3985 m MD.
12:30	12:45	3985	drilling - other	ok	Made up TDS and filled pipe.
12:45	14:15	4393	drilling - drill	ok	RIH with 8 1/2" drilling BHA on 5 1/2" DP from 3985 m to 4393 m MD.
14:15	19:15	4877	drilling - drill	ok	RIH with 8 1/2" drilling BHA on 5 1/2" DP from 4393 m to 4877 m MD. Made up TDS on each stand run and reamed on way in. Parameters : Flow 1000 lpm / SPP 58-62 bar / 20 RPM / Torque ~15 kNm.
19:15	20:15	4911	drilling - drill	ok	Established drilling parameters when comming down on stand from 4877 m to 4911 m MD. Downlinked PD Xceed for drilling. Parameters : Flow 2500 lpm / SPP 250 bar / 200 RPM / Torque 15-20 kNm / ECD 1.44-1.45 sg.
20:15	23:00	4935	drilling - drill	ok	Drilled 8 1/2" hole section fro 4911 m to 4935 m MD. Drilling parameters : Flow 2050-2500 lpm / SPP 179-247 bar / 200 RPM / Torque 18-22 kNm / ROP 12 m/hr / ECD 1.44-1.45 sg. Investigated ECD dependency on rate : 1.450 @ 2433 lpm / 1.442 @ 2278 lpm / 1.432 @ 2058 lpm. Performed MWD survey on connection. Obtained ESD value of 1.354.
23:00	00:00	4958	drilling - drill	ok	Drilled 8 1/2" hole section from 4935 m to 4958 m MD. Drilling parameters : Flow 2400 lpm / SPP ~250 bar / 200 RPM / Torque 21-23 kNm / ROP 25 m/hr / ECD 1.45-1.46 sg. Observed severe oil leakage from one of the TDS link tilt cylinders.

## Equipment Failure Information

Start time	Depth mMD	Depth mTVD	Sub Equip - Syst Class	Operation Downtime (min)	Equipment Repaired	Remark
00:00	3420		hoisting equ - top drive	0	00:00	Changed filter on TDS gearbox.

## Drilling Fluid

Sample Time	09:00	21:00
Sample Point	Active pit	Active pit
Sample Depth mMD	4911	4911
Fluid Type	Enviromul Yellow	Enviromul Yellow
Fluid Density (g/cm3)	1.32	1.32
Funnel Visc (s)	-999.99	-999.99
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)	32	32
Yield point (Pa)	12.5	10
Filtration tests		
Pm filtrate ()		
Filtrate Ltsp ()		
Filtrate Htsp ()		
Cake thickn API ()		
Cake thickn HPHT ()		
Test Temp HPHT (degC)	120	120
Comment		

## Pore Pressure

Time	Depth mMD	Depth TVD	Equ Mud Weight (g/cm3)	Reading
00:00	4994		1.08	estimated

## Survey Station

Depth mMD	Depth mTVD	Inclination (dega)	Azimuth (dega)	Comment
4936.1	2793.2	64.3	129.21	

## Lithology Information

Start Depth mMD	End Depth mMD	Start Depth mTVD	End Depth mTVD	Shows Description	Lithology Description
4911	4950	2791	2798		Limestone with minor claystone and sandy lenses