

## Summary report

Wellbore: 15/9-F-14

Period: 2008-06-10 00:00 - 2008-06-11 00:00

Status:	normal
Report creation time:	2018-05-03 13:52
Report number:	56
Days Ahead/Behind (+/-):	5.5
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):	5
Penetration rate (m/h):	-999.99
Hole Dia (in):	8.5
Pressure Test Type:	formation integrity test
Formation strength (g/cm3):	1.56
Dia Last Casing ():	

Depth at Kick Off mMD:	
Depth at Kick Off mTVD:	
Depth mMD:	2793
Depth mTVD:	2728.4
Plug Back Depth mMD:	
Depth at formation strength mMD:	2788
Depth At Formation Strength mTVD:	2728.4
Depth At Last Casing mMD:	2783.5
Depth At Last Casing mTVD:	2728.3

## Summary of activities (24 Hours)

RIH with 8½" drilling BHA on 5½" DP. Tagged TOC at 2754m. Drilled out shoe track from 2754m to 2783m + 3m new formation. Took FIT equivalent 1.56 SG, using 1.30 SG heavy OBM. Continued drill 8½" hole from 2791m to 2850m.

## Summary of planned activities (24 Hours)

Drill 8½" hole section from 2850m to 3100m.

## Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	00:30	545	drilling -- other	ok	Continued calibration of Schlumberger MWD block height.
00:30	01:45	953	drilling -- drill	ok	Continued RIH with 8½" drilling BHA on 5" DP, from 545m to 953m. Using remote operated cleaning and greasing device for the DP. Trip time 326 m/hour.
01:45	02:30	953	drilling -- drill	ok	Filled the pipe and emptied the trip tank.
02:30	03:00	1115	drilling -- drill	ok	Continued RIH with 8½" drilling BHA on 5" DP, from 953m to 1115m. Using remote operated cleaning and greasing device for the DP. Trip time 324 m/hour.
03:00	03:30	1115	drilling -- other	ok	Made up 5" x 5½" XO. and changed over to 5½" surface handling equipment.
03:30	04:30	1317	drilling -- drill	ok	Continued RIH with 8½" drilling BHA on 5½" DP, from 1115m to 1317m. Using remote operated cleaning and greasing device for the DP. Trip time 202 m/hour.
04:30	04:45	1317	drilling -- drill	ok	Filled the pipe and emptied the trip tank.
04:45	06:00	1722	drilling -- drill	ok	Continued RIH with 8½" drilling BHA on 5½" DP, from 1317m to 1722m. Using remote operated cleaning and greasing device for the DP. Trip time 324 m/hour.
06:00	06:15	1722	drilling -- other	ok	Filled the pipe and emptied the trip tank.
06:15	07:15	1722	drilling -- other	ok	Held choke drill with night and day shift.
07:15	07:30	1722	drilling -- other	ok	Held tool box prior to continue RIH with 8½" drilling BHA on 5½" DP.
07:30	10:00	2731	drilling -- drill	ok	Continued RIH with 8½" drilling BHA on 5½" DP, from 1722m to 2731m. Using remote operated cleaning and greasing device for the DP. Trip time 403 m/hour.
10:00	11:15	2754	drilling -- drill	ok	Made up to TDS. Washed down and tagged TOC at 2754m. Tagged with 2 MT, Parameters: Flow 1690 lpm / SPP 128 bar / String RPM 50 / TQ 4-6 kNm. MUD weight 1.3 SG.
11:15	16:15	2758	drilling -- drill	ok	Drilled out float from 2754m to 2758m. Drilling parameters: Flow 1690 lpm / SPP 128 bar / String RPM 60 / TQ 5-8 kNm. MUD weight 1.30 SG.
16:15	18:30	2783	drilling -- drill	ok	Drilled out shoe track from 2758m to 2783m. Drilling parameters: Flow 1690 lpm / SPP 128 bar / String RPM 60 / TQ 5-8 kNm. MUD weight 1.30 SG. Reamed the shoe and pulled back through shoe with no rotation.
18:30	20:45	2791	drilling -- drill	ok	Drilled new formation from 2788m to 2791m. Cleaned out rate hole and verified no restrictions. Drilling parameters: Flow 1695 lpm / SPP 124 bar / String RPM 70 / WOB 1-5 MT / TQ 6-11 kNm. MUD weight 1.3 SG.
20:45	21:30	2785	formation evaluation -- rft/fit	ok	Circulated to even mud weight of 1.30 SG in/out. Meanwhile held tool box talk prior to perform FIT.
21:30	21:45	2783	formation evaluation -- rft/fit	ok	Pulled up in the shoe having the bit out of the shoe.
21:45	22:00	2783	formation evaluation -- rft/fit	ok	Flushed the lines from Cmt unit to the rig floor down the string and up annulus using the Cmt unit. Lined up and leak tested the line from Cmt unit to the rig floor 100 bars .5 mins. Simultaneously closed the pipe ram of the BOP.
22:00	22:30	2783	formation evaluation -- rft/fit	ok	Took FIT equivalent to 1.56 SG, using 1.30 SG heavy OBM. Pumped 70 lpm and applied 71.5 bars to the string and annulus. Shut down the pump. Downhole reading from Schlumberger equivalent to 1,565 SG.
22:30	23:00	2783	formation evaluation -- rft/fit	ok	Pumped down the hole with OBM from the Cmt unit. Lined up for drilling.
23:00	23:30	2789	drilling -- survey	ok	Took survey at 2789m and set tool.
23:30	00:00	2793	drilling -- drill	ok	Continued to drill 8½" hole from 2791m to 2793m. Drilling parameters: Flow 1695 lpm / SPP 168 bar / String RPM 100 / WOB 9-10 MT / TQ 10-13 kNm / ROP 8 m/hour / ESD 1.393 SG / MUD weight 1.30 SG.

## Drilling Fluid

Sample Time	06:00	13:00
Sample Point	Active pit	Active pit
Sample Depth mMD	2778	2788
Fluid Type	OBM-Standard	OBM-Standard
Fluid Density (g/cm3)	1.31	1.31
Funnel Visc (s)	-999.99	-999.99
Mf ()		
Pm ()		
Pm filtrate ()		
Chloride ()		
Calcium ()		
Magnesium ()		
Ph		
Excess Lime ()		
Solids		
Sand ()		
Water ()		
Oil ()		

<b>Solids ()</b>		
<b>Corrected solids ()</b>		
<b>High gravity solids ()</b>		
<b>Low gravity solids ()</b>		
<b>Viscometer tests</b>		
<b>Plastic visc. (mPa.s)</b>	22	25
<b>Yield point (Pa)</b>	8.5	7
<b>Filtration tests</b>		
<b>Pm filtrate ()</b>		
<b>Filtrate Lthp ()</b>		
<b>Filtrate Hthp ()</b>		
<b>Cake thickn API ()</b>		
<b>Cake thickn HPHT ()</b>		
<b>Test Temp HPHT (degC)</b>	120	120
<b>Comment</b>		

#### Pore Pressure

Time	Depth mMD	Depth TVD	Equ Mud Weight (g/cm3)	Reading
00:00	2788		1.03	estimated

#### Survey Station

Depth mMD	Depth mTVD	Inclination (dega)	Azimuth (dega)	Comment
2790.4	2733.6	39.56	54.98	
2830.8	2763.7	40.36	57.3	

#### Lithology Information

Start Depth mMD	End Depth mMD	Start Depth mTVD	End Depth mTVD	Shows Description	Lithology Description
2788	2830	2732	2764		Limestone