Summary report

Wellbore: 15/9-F-12 **Period: 2007-07-24 00:00 - 2007-07-25 00:00**

Status:	normal
Report creation time:	2018-05-03 13:51
Report number:	42
Days Ahead/Behind (+/-):	
Operator:	Statoil
Rig Name:	MÆRSK INSPIRER
Drilling contractor:	Mærsk Contractors
Spud Date:	2007-03-15 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:	2007-08-26

Dist Drilled (m):	221
Penetration rate (m/h):	-999.99
Hole Dia (in):	17.5
Pressure Test Type:	leak off test
Formation strength (g/cm3):	1.7
Dia Last Casing ():	

Depth at Kick Off mMD:	
Depth at Kick Off mTVD:	
Depth mMd:	2080
Depth mTVD:	2004
Plug Back Depth mMD:	
Depth at formation strength mMD:	1353
Depth At Formation Strength mTVD:	1353
Depth At Last Casing mMD:	1357
Depth At Last Casing mTVD:	1333

Summary of activities (24 Hours)

Drilled 17 1/2" hole section from 1959 m to 2150 m MD. Made repairs to TDS. Made repairs to mud pump #2.

Summary of planned activities (24 Hours)

Drill 17 1/2" hole section to TD at 2594 m MD.

Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	01:45	1859	interruption -- other	ok	Continued working on mud pump# 1 and 2. Meanwhile : -Reciprocated on stand pumping 1800 lpm / rotation 30 rpm -Attempted to make up 14" casing joints in doubles, inserts and guides on PRS to tight for 14" casing
01:45	04:45	1809	interruption -- other	ok	Continued working on mud pump # 1 and #2. Attempted to remove suction valve seat - nogo. Removed the complete suction valve seat housing and replaced with housing from mud pump #1. Meanwhile set back one stand and reciprocated on previous stand.
04:45	05:00	1859	interruption -- other	ok	RIH with 17 1/2" drillng BHA for recommencement of drilling.
05:00	06:00	1881	drilling -- drill	ok	Continued drilling 17 1/2" section from 1859 m to 1881 m MD. Driling parameters : Flow 4500 lpm / SPP 250 bar / 180 rpm / 6 MT WOB/ Torque 20 kNm / ECD 1,38. Performed SCR.
06:00	09:45	1959	drilling -- drill	ok	Drilled 17 1/2" hole section from 1881 m to 1959 m MD. Drilling parametes : Flow 4500 lpm / SPP 250 bar / 180 rpm / 3-4 MT WOB / 22 kNm / ECD 1,37-1,38. Found bent/loose die retainer plate on TDS.
09:45	12:00	1940	interruption -- other	ok	Had to change die retainer plate on TDS. Circulated hole clean. Installed manual slips. Racked back 1 stand and installed side entry circulation sub. Hooked up coflex for circulation while working on TDS.
12:00	15:45	1940	interruption -- other	ok	Dismanteled and replaced die retainer plate on TDS. Meanwhile circulated at 1500 lpm.
15:45	16:45	1940	interruption -- other	ok	Tested torque wrench on TDS - ok. Installed automatic slips.
16:45	17:15	1972	drilling -- drill	ok	Continued drilling 17 1/2" hole from 1959 m to 1972 m MD. Drilling parameters : Flow 4500 lpm / SPP 255 bar / 180 rpm / 3-4 MT WOB / 22 kNm / ECD 1,37-1,38.
17:15	18:00	1972	drilling -- drill	ok	Shakers overflowing due to new mud being circulated. Cut back on flowrate and worked string until satisfactory flowrate of 4500 lpm could be achieved.
18:00	00:00	2080	drilling -- drill	ok	Continued drilling 17 1/2" hole from 1959 m to 2080 m MD. Drilling parameters : Flow 4500 lpm / SPP 246 bar / 180 rpm / 3-4 MT WOB / 21 kNm / ECD 1,37-1,38. Performed survey and reamed stand on connection. Downlinked Powerdrive as required. Meanwhile ROV attached DCI hose to subsea clumpweights - ok.

Equipment Failure Information

Start time	Depth mMD	Depth mTVD	Sub Equip - Syst Class	Operation Downtime (min)	Equipment Repaired	Remark
00:00	1422		mud and bulk syst -- mud solids control	0	00:00	Conveyer belt bringing cuttings to dump shute stopped. Cuttings piled up and jammed the belt. Had to stop drilling.
00:00	1959		hoisting equ -- top drive	0	00:00	Changed die retainer plates on TDS

Drilling Fluid

Sample Time	04:00	10:00	16:30	22:30
Sample Point	Active pit	Active pit	Active pit	Active pit
Sample Depth mMD	1500	1940	1960	2039
Fluid Type	HPWBM	HPWBM	HPWBM	HPWBM
Fluid Density (g/cm3)	1.35	1.35	1.35	1.35
Funnel Visc (s)	-999.99	-999.99	-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)	29	36	36	30
Yield point (Pa)	10.5	14	13.5	10.5
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	2149.8		1	estimated

Survey Station

Depth mMD	Depth mTVD	Inclination (dega)	Azimuth (dega)	Comment
1850.7	1790.8	23.31	252.9	
1891.6	1828.3	23.54	253.34	
1932.2	1865.6	23.6	253.84	
1970.3	1900.6	22.92	254.39	
2011	1938.5	20.07	251.86	
2051.1	1976.4	17.43	248.19	
2091.5	2015.3	14.36	246.64	

Lithology Information

Start Depth mMD	End Depth mMD	Start Depth mTVD	End Depth mTVD	Shows Description	Lithology Description
1860	2080	1799.4	2004.1		Homogenous claystone with rare, thin dolomite and siltstone interbedding.
2090	2140	2013.8	2062.4		Homogenous claystone with rare, thin dolomite and siltstone interbedding.