Summary report

Wellbore: 15/9-F-15 A **Period: 2008-12-14 00:00 - 2008-12-15 00:00**

Status:	normal
Report creation time:	2018-05-03 13:52
Report number:	4
Days Ahead/Behind (+/-):	
Operator:	StatoilHydro
Rig Name:	MÆRSK INSPIRER
Drilling contractor:	Mærsk Contractors
Spud Date:	2008-12-11 15:00
Wellbore type:	
Elevation RKB-MSL (m):	54.9
Water depth MSL (m):	91
Tight well:	Y
HPHT:	Y
Temperature ():	
Pressure ():	
Date Well Complete:	

Dist Drilled (m):	354
Penetration rate (m/h):	-999.99
Hole Dia (in):	17.5
Pressure Test Type:	formation integrity test
Formation strength (g/cm3):	1.5
Dia Last Casing ():	

Depth at Kick Off mMD:	
Depth at Kick Off mTVD:	
Depth mMd:	2401
Depth mTVD:	2278
Plug Back Depth mMD:	
Depth at formation strength mMD:	1381
Depth At Formation Strength mTVD:	1349
Depth At Last Casing mMD:	1368.4
Depth At Last Casing mTVD:	

Summary of activities (24 Hours)

Drilled 17 1/2" hole from 2134 m to 2474 m MD.

Summary of planned activities (24 Hours)

Drill 17 1/2" hole from 2474 m to projected TD at +/-2600 m MD. Circulate hole clean. POOH with 17 1/2" drilling BHA.

Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	02:00	2084	drilling -- drill	ok	Drilled and oriented 17 1/2" hole from 2047 m MD to 2084 m MD. Drilling parameters : 4500 lpm / SPP 261 bar / 2-3 MT WOB / 140 RPM / Torque 9-13 kNm / ECD 1,45. Controlled ROP to 20 m/hrs due to cuttings handling. Performed MWD survey on connections. Downlinked powerdrive according to DD instructions. Experienced problems when picking up 5 1/2" stand. Meanwhile made up 13 3/8" casing stands in foxhole.
02:00	02:30	2084	interruption -- other	ok	When attempting to pick up a stand of 5 1/2" DP, the stand was bent. Probable cause is that the stand was caught by the wind and/or hit by the flush joint elevator when making the grip with the gripper head. Hence the stand was bent when retracting the arm. Closed additional fingers to secure the stand in the finger slot. Set down stand and made new grip. Inspected stand visually, stand seemed to by straight and undamaged. Meanwhile reciprocated stand with 3000 lpm / 80 RPM.
02:30	06:00	2134	drilling -- drill	ok	Drilled and oriented 17 1/2" hole from 2084 m MD to 2134 m MD. Drilling parameters : 4500 lpm / SPP 264 bar / 3-7 MT WOB / 140 RPM / torque 11-16 kNm / ECD 1,45. Controlled ROP to 20 m/hrs due to cuttings handling. Performed MWD survey on connections. Downlinked powerdrive according to DD instructions. Meanwhile made up 13 3/8" casing stands in foxhole.
06:00	17:45	2310	drilling -- drill	ok	Drilled and oriented 17 1/2" hole from 2134 m to 2310 m MD. Drilling parameters : 4500 lpm / SPP 267-274 bar / 3-8 MT WOB / 120-140 RPM / torque 13-22 kNm / ECD 1,45-1,46. Controlled ROP to 20 m/hrs due to cuttings handling. Performed MWD survey on connections. Downlinked powerdrive according to DD instructions.
17:45	18:15	2318	drilling -- drill	ok	Drilled and oriented 17 1/2" hole from 2310 m to 2318 m MD. Reduced ROP to 10 m/hrs due to plugged line in DCI system. Routed cuttings to skips while working to unplug line. Drilling parameters : 4000-4500 lpm / SPP 221-268 bar / 4-5 MT WOB / 120 RPM / torque 16 kNm / ECD 1,45.
18:15	00:00	2401	drilling -- drill	ok	Drilled and oriented 17 1/2" hole from 2318 m to 2401 m MD. Drilling parameters : 4500 lpm / SPP 275 bar / 5-7 MT WOB / 125 RPM / torque 16-20 kNm / ECD 1,45-1,46. Controlled ROP to 20 m/hrs due to cuttings handling. Performed MWD survey on connections. Downlinked powerdrive according to DD instructions.

Equipment Failure Information

Start time	Depth mMD	Depth mTVD	Sub Equip - Syst Class	Operation Downtime (min)	Equipment Repaired	Remark
00:00	2084		pipe handling equ syst -- vertical pipe handling equ syst	0	00:00	Retracted PRS arm with unsufficient/wron grip.

Drilling Fluid

Sample Time	03:30	10:30	16:00	22:00
Sample Point	Flowline	Flowline	Flowline	Flowline
Sample Depth mMD	2095	2208	2284	2369
Fluid Type	OBM-Standard	OBM-Standard	OBM-Standard	OBM-Standard
Fluid Density (g/cm3)	1.43	1.44	1.43	1.43
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)	32	32	31	32
Yield point (Pa)	13	14	14	13.5
Filtration tests				

Pm filtrate ()				
Filtrate Lthp ()				
Filtrate Hthp ()				
Cake thickn API ()				
Cake thickn HPHT ()				
Test Temp HPHT (degC)	120	120	120	120
Comment				

Pore Pressure

Time	Depth mMD	Depth TVD	Equ Mud Weight (g/cm3)	Reading
00:00	2474		1	estimated

Survey Station

Depth mMD	Depth mTVD	Inclination (dega)	Azimuth (dega)	Comment
2109.7	2013	41.13	156.28	
2150.1	2049.4	40.4	164.2	
2190.6	2086.3	40.51	171.6	
2231.1	2123.3	40.48	175.69	
2271.4	2160	40.27	182.68	
2311.3	2196.5	39.95	188.6	
2351.5	2233	40.22	194.06	
2392	2269.5	40.42	202.6	

Stratigraphic Information

Depth to Top of Formation mMD	Depth to Top of Formation mTVD	Description
2385	2263.2	Balder Fm.
2457	2328	Sele Fm
2531	2391	Lista Fm

Lithology Information

Start Depth mMD	End Depth mMD	Start Depth mTVD	End Depth mTVD	Shows Description	Lithology Description
2097	2205	2001.6	2099.4		Claystone with Dolomite stringers
2097	2440	0	0	No shows	
2205	2330	2099.4	2213		Sandstone and Claystone
2330	2385	2213.4	2263.2		Claystones with traces of Tuff
2385	2457	2213.4	2328		Claystone, Tuff and minor Dolomite
2457	2474	2328	2345		Tuffaceous shales and siltstone

Gas Reading Information

Time	Class	Depth to Top mMD	Depth to Bottom MD	Depth to Top mTVD	Depth to Bottom TVD	Highest Gas (%)	Lowest Gas ()	C1 (ppm)	C2 (ppm)	C3 (ppm)	IC4 (ppm)	IC5 (ppm)
00:00	drilling gas peak	2419		2291.5		.33		2890	44	11	5	5