

Summary report

Wellbore: 15/9-F-12

Period: 2007-08-14 00:00 - 2007-08-15 00:00

Status:	normal
Report creation time:	2018-05-03 13:51
Report number:	63
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 (I):	
Pressure (I):	
Date Well Complete:	2007-08-26

Dist Drilled (m):	123
Penetration rate (m/h):	-999.99
Hole Dia (in):	12.25
Pressure Test Type:	formation integrity test
Formation strength (g/cm3):	1.48
Dia Last Casing (I):	

Depth at Kick Off mMD:	
Depth at Kick Off mTVD:	
Depth mMd:	2965
Depth mTVD:	2777.6
Plug Back Depth mMD:	
Depth at formation strength mMD:	2506
Depth At Formation Strength mTVD:	2419.5
Depth At Last Casing mMD:	1357
Depth At Last Casing mTVD:	1333

Summary of activities (24 Hours)

Drilled 12 1/4" hole from 2872 m to 2955 m MD. Trouble shot MWD transmission failure. Drilled 12 1/4" hole from 2955 m to 2965 m MD. Had shut down in geoservices unit. Continued drilling 12 1/4" hole from 2965 to 2973 m MD.

Summary of planned activities (24 Hours)

Drill 12 1/4" hole from 2973 m to TD. Circulate well clean. POOH and rack back BHA.

Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	06:00	2872	drilling -- drill	ok	Drilled 12 1/4" hole from 2842 m to 2872 m MD with 1.35 sg OBM, 3560 lpm, 220-224 bar, 150 rpm, 30-37 kNm, 7-10 MT WOB, ECD 1.38, ROP 2-9 m/hr. Down linked and performed survey as required. Meanwhile built stds of 5" DP in derrick with forward PRS.
06:00	19:45	2955	drilling -- drill	ok	Drilled 12 1/4" hole from 2872 m to 2955 m MD with 1.35 sg OBM, 3560 lpm, 230-235 bar, 150 rpm, 20-45 kNm, 8-9 MT WOB, ECD 1.38-1.39, ROP 5-9 m/hr. Down linked and performed survey as required. Meanwhile built stds of 5" DP in derrick with forward PRS.
19:45	23:45	2963	interruption -- repair	ok	Trouble shot MWD transmission failure. Worked mud pumps at different rates and different configurations while rotated and resiproated pipe. Down linked tool to 3 bit signal density. Started with bit on bottom and reduced pump rate to keep tool in sync. Got good signal with valid drilling parameters.
23:45	00:00	2964	drilling -- drill	ok	Drilled 12 1/4" hole from 2855 m to 2965 m MD with 1.35 sg OBM, 3430 lpm, 215 bar, 150 rpm, 20-45 kNm, 8-9 MT WOB, ECD 1.38-1.39, ROP 5-9 m/hr.

Equipment Failure Information

Start time	Depth mMD	Depth mTVD	Sub Equip - Syst Class	Operation Downtime (min)	Equipment Repaired	Remark
00:00	2576		service equ -- special service equ	0	00:00	MWD was working but transmission signal was very weak. Trouble-shot to find probable noise source. The signal was excellent before the well was displaced to OBM. Found signal to be present at low flow rates. Managed to manipulate drilling parameters to have
00:00	2965		service equ -- mud logging equ	0	00:00	In an attempt to clean out the rig drains, water entered the geoservices unit through the sink. Due to a carpet blocking the drain, the water flooded the unit and resulted in a black-out.

Drilling Fluid

Sample Time	04:00	09:00	15:15	22:00
Sample Point	Active pit	Flowline	Active pit	Active pit
Sample Depth mMD	2864	2891	2936	2965
Fluid Type	OBM-Standard	OBM-Standard	OBM-Standard	OBM-Standard
Fluid Density (g/cm3)	1.35	1.38	1.37	1.36
Funnel Visc (s)	-999.99	-999.99	-999.99	-999.99
Mf (I)				
Pm (I)				
Pm filtrate (I)				
Chloride (I)				
Calcium (I)				
Magnesium (I)				
Ph				
Excess Lime (I)				
Solids				
Sand (I)				
Water (I)				
Oil (I)				
Solids (I)				
Corrected solids (I)				
High gravity solids (I)				
Low gravity solids (I)				
Viscometer tests				
Plastic visc. (mPa.s)	28	27	27	27
Yield point (Pa)	9	9.5	9.5	10
Filtration tests				
Pm filtrate (I)				

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	2520		1.05	estimated
00:00	2591		.87	estimated
00:00	2972.8		1.04	estimated

Survey Station

Depth mMD	Depth mTVD	Inclination (dega)	Azimuth (dega)	Comment
2860	2713.5	49.5	108.88	
2900.5	2739.1	52.08	104.36	
2939.7	2762.8	53.78	102.53	

Stratigraphic Information

Depth to Top of Formation mMD	Depth to Top of Formation mTVD	Description
2885	2729.5	Hod Fm

Lithology Information

Start Depth mMD	End Depth mMD	Start Depth mTVD	End Depth mTVD	Shows Description	Lithology Description
2872	2972.8	2722	2781.5		Limestone and marl