

Summary report

Wellbore: 15/9-F-11 T2

Period: 2013-04-16 00:00 - 2013-04-17 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:	Maersk Drilling
Spud Date:	2013-03-07 17:30
Wellbore type:	
Elevation RKB-MSL (m):	54.9
Water depth MSL (m):	91
Tight well:	Y
HPHT:	Y
Temperature (°):	
Pressure (°):	
Date Well Complete:	2013-05-09

Dist Drilled (m):	280
Penetration rate (m/h):	-999.99
Hole Dia (in):	17.5
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:	1780
Depth mTVD:	1694
Plug Back Depth mMD:	
Depth at formation strength mMD:	1358
Depth At Formation Strength mTVD:	1334
Depth At Last Casing mMD:	1357.7
Depth At Last Casing mTVD:	1334

Summary of activities (24 Hours)

Drilled 17 1/2" hole from 1500 m to 1780 m.

Summary of planned activities (24 Hours)

Drill 17 1/2" to TD.

Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	01:00	1500	interruption -- other	ok	Restarted all rig systems.  Meanwhile: Lined up and observed well on trip tank. Rotated string periodically to ensure free movement.
01:00	02:00	1500	interruption -- other	ok	Restarted all rig systems.  Meanwhile: Established circulation with 440 liter/min, 7 bar. Reciprocated pipe.
02:00	02:30	1500	drilling -- ream	ok	Continue to back load cuttings from ISO tanks to supply vessel.
02:30	07:00	1573	drilling -- drill	ok	Drilled 17 1/2" hole from 1500 m to 1573 m with 4275-4320 l/min, 257-265 bar, 120-140 RPM, 9-11 kNm, WOB 5-8 Ton, ECD 1,441-1,449 sg. Average ROP 16,2 meter/hour. Drilled with reduced drilling rate due to surface cuttings transfer system restriction.
07:00	12:00	1685	drilling -- drill	ok	Drilled 17 1/2" hole from 1573 m to 1685 m with 4320 l/min, 254-260 bar, 140 RPM, 10-15 kNm, WOB 5-6 Ton, ECD 1,431-1,442 sg, max gas 0,57 %. Average ROP 22,5 meter/hour. Drilled with reduced drilling rate due to surface cuttings transfer system restrictions.
12:00	18:00	1780	drilling -- drill	ok	Drilled 17 1/2" hole from 1685 m to 1780 m with 4320 l/min, 256-262 bar, 140 RPM, 12-15 kNm, WOB 5-6 Ton, ECD 1,438-1,443 sg, max gas 0,46 %. Average ROP 15,8 meter/hour. Drilled with reduced drilling rate due to surface cuttings transfer system restrictions. Stopped drilling due to full ISO tanks. Not able to back load cuttings from ISO tanks to supply vessel due to heavy wind and sea.
18:00	21:00	1780	drilling -- circulating conditioning	ok	Circulated hole clean 4300 liter/min, 254 bar, 120 rpm, 7 kNm.
21:00	22:00	1780	drilling -- trip	ok	POOH with 17 1/2 BHA on 5 1/2" DP from 1765 m to 1346 m. Average tripping speed 838 m/hr.
22:00	00:00	1780	interruption -- waiting on weather	ok	Waited on weather. Not able to back load cuttings from ISO tanks to supply vessel due to heavy wind and sea.  Meanwhile: Circulated with 1420 liter/min, 65 bar.

Equipment Failure Information

Start time	Depth mMD	Depth mTVD	Sub Equip - Syst Class	Operation Downtime (min)	Equipment Repaired	Remark
00:00	0		miscellaneous equ syst -- other	0	00:00	Installed wash pipe
00:00	1264.8		mud and bulk syst -- mud mixing storage	0	00:00	Leak on longitudinal flowline on main deck.
00:00	1400		miscellaneous equ syst -- other	0	00:00	5 ea. cuttings screw conveyors plugged up.
00:00	1500		miscellaneous equ syst -- other	0	00:00	Lost power supply from generators

Drilling Fluid

Sample Time	09:00	15:00
Sample Point	Flowline	Flowline
Sample Depth mMD	1620	1735
Fluid Type	Enviromul Yellow	Enviromul Yellow
Fluid Density (g/cm3)	1.4	1.4
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)	34	35
Yield point (Pa)	8.5	9
Filtration tests		
Pm filtrate ( )		
Filtrate Lthp ( )		
Filtrate Hthp ( )		
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	1780		1.03	estimated

Survey Station

Depth mMD	Depth mTVD	Inclination (dega)	Azimuth (dega)	Comment
1507.5	1466.3	32.18	258.89	
1548.1	1500.4	34.04	259.4	
1588.6	1533.9	33.98	258.58	
1628.6	1567	34.39	258.19	
1668.7	1600.1	34.35	257.63	
1709.3	1633.6	34.43	257.6	
1750	1667.8	31.41	258.66	
1764	1679.8	30.2	259.27	

Lithology Information

Start Depth mMD	End Depth mMD	Start Depth mTVD	End Depth mTVD	Shows Description	Lithology Description
1500	1570	1460	1519		Claystone
1570	1650	1519	1585		Claystone
1650	1780	1585	1693		Claystone with minor limestone stringers