

Summary report

Wellbore: 15/9-F-12

Period: 2007-07-22 00:00 - 2007-07-23 00:00

Status:	normal
Report creation time:	2018-05-03 13:51
Report number:	40
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):	115
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 (I):	

Depth at Kick Off mMD:	
Depth at Kick Off mTVD:	
Depth mMd:	1546
Depth mTVD:	1510
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 from 1461 m to 1546 m MD. Had problems with cuttings conveyer belt. Pulled into casing shoe. Fixed and modified conveyer belt. Ran back in hole and washed down from tag point at 1541 m MD.

Summary of planned activities (24 Hours)

None

Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	00:15	1436	drilling -- drill	ok	Drilled 17 1/2" section from 1431 m to 1436 m MD. Had to stop drilling due to prevailing problems with cuttings conveyer belt. Not able to restart belt.
00:15	05:00	1436	interruption -- other	ok	Conveyer belt could not be restarted as the shute in which the belt is running was full of cuttings. Opened forward shute on conveyer system to bring cuttings forward into skip. Emptied conveyer screws in shaker room into skips. Removed cuttings from conveyer belt shute with HP guns, fire hoses and suction hoses. Cleaned up cuttings from deck. Meanwhile circulated well with low rate and rotated string at 20 rpm.
05:00	06:00	1461	drilling -- drill	ok	Continued drilling 17 1/2" section from 1436 m to 1461 m MD. Drilling prameters : Flow 4500 lpm / SPP 238 bar / 130 rpm / 2-3 MT WOB / ECD 1,37 sg / Torque 16 kNm. Restricted RO P to 30 m/hrs to check capacity of cuttings transport on conveyer belt.
06:00	07:00	1476	drilling -- drill	ok	Drilled 17 1/2" hole from 1461 to 1476 m MD. Drilling parameters : Flow 4500 lpm / SPP 239 bar / 150 rpm / 5-10 MT WOB / Torque 18 kNm. ECD: 1,375 SG
07:00	07:30	1476	drilling -- drill	ok	Took survey and downlinked Powerdrive by cycling rate 3800/4500 lpm. Observed blockage on cuttings conveyer screw in shaker room.
07:30	08:30	1476	drilling -- drill	ok	Took SCR and calibrated MWD depth. Meanwhile worked to open blockage in cuttings conveyer screw.
08:30	09:45	1476	interruption -- other	ok	Worked to open blockage/remove cuttings from conveyer screws in shaker room.
09:45	11:00	1476	drilling -- drill	ok	Made connection and synchronized Powerdrive.
11:00	12:00	1476	drilling -- drill	ok	Continued drilling 17 1/2" section from 1476 m to 1512 m MD. ECD: 1,375 SG
12:00	12:30	1512	drilling -- drill	ok	Cycled pump rate 3800/4500 lpm to downlink Powerdrive. Blockage on cuttings conveyer screw in shaker room.
12:30	13:00	1512	interruption -- other	ok	Worked to open blockage/remove cuttings from conveyer screws in shaker room.
13:00	13:15	1512	drilling -- drill	ok	Made connection and took MWD survey.
13:15	14:00	1546	drilling -- drill	ok	Continued drilling 17 1/2" section from 1512 m to 1546 m MD. Cuttings conveyer belt on main deck stopped moving/packed with cuttings.
14:00	15:30	1546	interruption -- other	ok	Attempted to unplug/clean conveyer belt - nogo. Decided to pull into casing shoe while making repairs and modifications to the conveyer belt system.
15:30	16:30	1467	interruption -- other	ok	POOH with 17 1/2" drilling BHA from 1546 m to 1467 m MD. Tight hole took approx 30 MT overpull.
16:30	18:00	1354	interruption -- other	ok	Continued POOH with 17 1/2" drilling BHA while pumping from 1467 m to 1354 m MD inside casing.
18:00	19:00	1354	interruption -- other	ok	Lined up well on triptank. Changed from PS-30 to manual slips. Static losses approx 100 l/hrs.
19:00	00:00	1354	interruption -- other	ok	Made modifications to cuttings conveyer belt : -Cut and fitted drainage hatch -Prepared IBC underneath drain -Fit bracket for flushing with fire hoses -Narrowed orifice of discharge shute Meanwhile serviced top drive. Tested path for cuttings transport and fluid discharge through the DCI system - ok. Static losses 30 l/hrs.

Equipment Failure Information

Start time	Depth mMD	Depth mTVD	Sub Equip - Syst Class	Operation Downtime (min)	Equipment Repaired	Remark
00:00	0		pipe handling equ syst -- other	0	00:00	Broke dog collar links when handling 26" drilling BHA. Fixed and continued operation. Downtime 0,5 hrs.
00:00	217		pipe handling equ syst -- vertical pipe handling equ syst	0	00:00	-

Drilling Fluid

Sample Time	10:00	16:00	21:00
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Sample Point	Active pit	Active pit	Active pit
Sample Depth mMD	1472	1500	1546
Fluid Type	HPWBM	HPWBM	HPWBM
Fluid Density (g/cm3)	1.35	1.35	1.35
Funnel Visc (s)	-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)	31	31	31
Yield point (Pa)	11.5	9	11.5
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	1560		1	estimated

Survey Station

Depth mMD	Depth mTVD	Inclination (dega)	Azimuth (dega)	Comment
1446.8	1418.2	21.46	241.13	
1485.5	1454.1	22.31	238.98	

Lithology Information

Start Depth mMD	End Depth mMD	Start Depth mTVD	End Depth mTVD	Shows Description	Lithology Description
1470	1560	1439.8	1523.1		Homogenous claystone with thin, rare sitstone horizons and rare calcareous cementation.