Summary report

Wellbore: 15/9-F-12 **Period: 2007-06-25 00:00 - 2007-06-26 00:00**

Status:	normal
Report creation time:	2018-05-03 13:51
Report number:	13
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):	153.6
Penetration rate (m/h):	-999.99
Hole Dia (in):	8.5
Pressure Test Type:	formation integrity test
Formation strength (g/cm3):	1.2
Dia Last Casing ():	

Depth at Kick Off mMD:	
Depth at Kick Off mTVD:	
Depth mMd:	415
Depth mTVD:	415
Plug Back Depth mMD:	
Depth at formation strength mMD:	251
Depth At Formation Strength mTVD:	251
Depth At Last Casing mMD:	251
Depth At Last Casing mTVD:	251

Summary of activities (24 Hours)

Drilled 8 1/2" pilot hole from 525 m to 618 m. Had small leak in wellhead connection. Leakage stopped. Continued to drill 8 1/2" pilot hole from 296 m to 473 m. Observed 1m3 gain in active.

Summary of planned activities (24 Hours)

Drilling 8 1/2" pilot hole from 525 m to 900 m with 1.12 sg mud.

Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	00:15	251	drilling -- wait	ok	Waiting of raw water pump repair. Meanwhile PU and RIH with 8 1/2" pilot hole BHA from 246 to 251 m.
00:15	01:30	251	drilling -- drill	ok	Had pre-job meeting with all personnel on shallow gas procedure. Performed shallow gas drill inside shoe at 251 m. Pumped 900 lpm, 15 bar and operated diverter bag and observed flow being re-directed through port overboard line. Switched between pits on the fly.
01:30	06:00	251	drilling -- drill	ok	Pumped 27m3 1.60 sg mud at 2000 lpm, 110 bar and displaced out of bit using seawater. Flow checked well for 1 hour. Had stable loss rate of 120 l/hour eqvivalent to the loss rate monitored on the trip tank prior to the FIT. Picked up 1 stand and circulated out upper part of 1.60 sg mud, 2000 lpm and 84.5 bar. RIH with 1 stand and circulated out remaining 1.60 sg mud.
06:00	11:30	296	drilling -- drill	ok	Drilled 8 1/2" pilot hole BHA from 261.4 m to 296 mMD, 2000 lpm, 89 bar, 60 rpm, 1-4 kNm, 1-3 MT wob, ECD 1.19 SG, ROP 9 m/hr. BHA WT 23 MT. WT below jar 15 MT.
11:30	12:30	251	drilling -- drill	ok	PU off bottom and circulated due to riser leak. Pumped out to shoe from 296 m to 251 m, 890 lpm and 10 rpm. Located leak to be in wellhead connector, 70-80 l/hr.
12:30	14:00	251	drilling -- drill	ok	Flow checked well over trip tank while waiting on decision. Leakage stopped and well flow checked ok. Meanwhile performed general maintenance and houskeeping.
14:00	21:30	399	drilling -- drill	ok	RIH with 8 1/2" pilot hole BHA from 251 to 290 m. MU TDS and washed down from 290 m to 296 m. Drilled 8 1/2" pilot hole from 296 m to 399 mMD, 2000 lpm, 90-98 bar, 60-120 rpm, 1-4 kNm, 1-3 MT wob, ECD 1.20 SG, ROP 15-20 m/hr.
21:30	22:15	399	drilling -- circulating conditioning	ok	Circulated and reciprocated btms up, 2000/2250 lpm, 100/114 bar, due to rapide increase in ECD to 1.23 SG. Diluted and conditioned mud from 1.14 sg to 1.12 sg.
22:15	00:00	415	drilling -- drill	ok	Drilled 8 1/2" pilot hole from 399 m to 415 mMD, 2250 lpm, 112 bar, 120 rpm, 2-3 kNm, 1-3 MT wob, ECD 1.21-1.23 SG, ROP 10-46 m/hr, Inc 0.46 deg.

Drilling Fluid

Sample Time	10:00	16:00	21:30	23:30
Sample Point	Flowline	Flowline	Flowline	Flowline
Sample Depth mMD	270	-999.99	384	410
Fluid Type	Spud Mud	Spud Mud	Spud Mud	Spud Mud
Fluid Density (g/cm3)	1.12	1.12	1.11	1.11
Funnel Visc (s)	150	140	120	69
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)	7	7	7	7
Yield point (Pa)	28.5	25	24.5	23.5
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	525		1.03	estimated

Survey Station

Depth mMD	Depth mTVD	Inclination (dega)	Azimuth (dega)	Comment
320.9	320.9	.53	81.79	
360.3	360.3	.47	80.36	
400	400	.46	85.96	
440.8	440.7	.52	89.81	
481.6	481.6	.49	98.01	
522.5	522.5	.53	99.53	

Lithology Information

Start Depth mMD	End Depth mMD	Start Depth mTVD	End Depth mTVD	Shows Description	Lithology Description
261	490	261	490		Claystone with minor interbedded sandstone