

## Summary report

Wellbore: 15/9-F-12

Period: 2007-08-11 00:00 - 2007-08-12 00:00

Status:	normal
Report creation time:	2018-05-03 13:51
Report number:	60
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):	3.5
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 ():	

Depth at Kick Off mMD:	
Depth at Kick Off mTVD:	
Depth mMD:	2576
Depth mTVD:	2485.2
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)

Cleaned out rathole with 1.35 sg WBM and drilled 3 m new formation. Circulated and performed FIT to 1.48 sg EMW. Displaced well to 1.35 sg OBM. Trouble-shot problem with MWD transmission of data. Drilled 12 1/4" hole from 2576 m to 2640 m MD.

### Summary of planned activities (24 Hours)

Drill 12 1/4" hole to 2760 m MD. Circulate hole clean and take pressure points i Ty formation.

### Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	04:00	2505.9	drilling -- drill	ok	Drilled out shoe track and shoe with 1.35 sg WBM from previous section, 2490 lpm, 125 bar, 70 rpm, 16-29 kNm, 0-0.5 MT WOB. Started to see WOB (3-4 MT) from 2503.9 - 2505.9 m. Cleaned shoe track stepwise in 1-2 m steps. Spaced out with one single to have only one connection during cleaning of rate hole. Pulled through shoe track without rotation to verify no restrictions.
04:00	06:00	2520	drilling -- drill	ok	Cleaned out rathole from 2505.9 m to 2520 m with 1.35 sg WBM from previous section, 3340 lpm, 194-202 bar, 70 rpm, 25-29 kNm, 0.5-1 MT WOB, ECD 1.39. Cleaned rathole stepwise in 2-3 m steps. No bridge/edge encountered when drilling out the section from 2512 to 2515 m where the casing couldn't pass.
06:00	10:30	2573	drilling -- drill	ok	Cleaned out rathole from 2520 m to 2573 m MD with 1.35 sg WBM from previous section, 3340 lpm, 200 bar, 70 rpm, 26-28 kNm, 0.5-1 MT WOB, ECD 1.39, ROP 20 m/hr. Up weight 19 5 MT/ down weight 160 MT.
10:30	11:00	2576	drilling -- drill	ok	Drilled new formation from 2572.5 m to 2576 m MD, 3600 lpm, 225 bar, 100 rpm, 29-33 kNm, 6 MT WOB, ECD 1.39, ROP 6 m/hr.
11:00	13:00	2576	drilling -- circ ulating condit ioning	ok	Circulated 1 1/2 btrms up until shakers were clean. Mud weight stable at 1.38 sg.
13:00	15:00	2576	drilling -- drill	ok	RB 2 stds and one single to pull into 14" shoe. Held tool box talk prior to FIT. Verified correct line up and performed line test, 50 bar/5 min. Performed FIT to 1.48 sg EMW. Pumped up a MWD survey to confirm FIT to 1.486 sg EMW. Meanwhile built stds of 5 1/2" DP.
15:00	19:15	2576	drilling -- circ ulating condit ioning	ok	RIH to bottom and observed no obstruction while RIH. Meanwhile held tool box meeting prior to displacement and confirmed line up. Displaced well to 1.35 sg OBM, 3600 lpm, 260 bar, 6 0 rpm, 22 kNm according to Baroids displacement plan. Filled sand traps and surface equipment with OBM and started to condition mud, 3340 lpm, 225 bar, 60 rpm. Up weight 180 MT/ down weight 145 MT. Meanwhile down linked MWD tools.
19:15	00:00	2576	interruption -- repair	ok	Trouble shot MWD transmission failure. Worked mud pumps at different rates and different configurations while rotated and reciprocated pipe. Bleed down and increased pressure on pulsation dampners, 300 psi/1100 psi. Closed one stand pipe. Managed to get good signal.

### Equipment Failure Information

Start time	Depth mMD	Depth mTVD	Sub Equip - Syst Class	Operation Downtime (min)	Equipment Repaired	Remark
00:00	1327		drillstring downhole -- other	0	0:00	Float did not hold pressure.

### Drilling Fluid

Sample Time	11:30	18:00	22:00
Sample Point	Active pit	Flowline	Active pit
Sample Depth mMD	2572	2576	2576
Fluid Type	HPWBM	OBM-Standard	OBM-Standard
Fluid Density (g/cm3)	1.38	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	26
Yield point (Pa)	8.5	10	6
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	2520		1.05	estimated
00:00	2640		.73	estimated

#### Survey Station

Depth mMD	Depth mTVD	Inclination (dega)	Azimuth (dega)	Comment
2577	2486	22	125.92	

#### Lithology Information

Start Depth mMD	End Depth mMD	Start Depth mTVD	End Depth mTVD	Shows Description	Lithology Description
2580	2640	2488	2544		Sandstone and claystone