Summary report

Wellbore: 15/9-F-11 T2 **Period: 2013-05-02 00:00 - 2013-05-03 00:00**

Status:	normal
Report creation time:	2018-05-03 13:51
Report number:	58
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):	262
Penetration rate (m/h):	-999.99
Hole Dia (in):	8.5
Pressure Test Type:	formation integrity test
Formation strength (g/cm3):	1.65
Dia Last Casing ():	

Depth at Kick Off mMD:	
Depth at Kick Off mTVD:	
Depth mMd:	4162
Depth mTVD:	3024
Plug Back Depth mMD:	
Depth at formation strength mMD:	2574
Depth At Formation Strength mTVD:	2442
Depth At Last Casing mMD:	2570.7
Depth At Last Casing mTVD:	2442

Summary of activities (24 Hours)

Drilled and oriented 8 1/2" hole from 3900m MD to 4162m MD.

Summary of planned activities (24 Hours)

Drill 8 1/2" hole to TD at approximately 4550m MD.

Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	04:00	3900	drilling -- drill	ok	Drilled and orientated 8 1/2" hole from 3835 m to 3900 m with 2350 lpm, 215-217 bar, 180 rpm, 19-24 kNm, WOB 7-9 MT, ECD 1.39-1.42 sg. Average ROP: 16.3 m/hr.
04:00	13:30	4033	drilling -- drill	ok	Drilled and orientated 8 1/2" hole from 3900 m to 4033m with 2350 lpm, 217-219 bar, 180 rpm, 20-24 kNm, WOB 7-11 MT, ECD 1.41-1.46 sg. Average ROP: 14 m/hr. Increased mud weight from 1.28 sg to 1.32 sg. Reamed one stand due to erratic torque readings and increasing ECD.
13:30	16:45	4075	drilling -- drill	ok	Performed pipe stretch test. Flushed kill and choke manifold to 1.32 sg oil based mud.
16:45	17:00	4075	drilling -- drill	ok	Drilled and orientated 8 1/2" hole from 4075m to 4064m with 2350 lpm, 217-221 bar, 180 rpm, 18-22 kNm, WOB 4-7 MT, ECD 1.45-1.46 sg. Average ROP: 12.4 m/hr.
17:00	18:00	4084	drilling -- drill	ok	Drilled and orientated 8 1/2" hole from 4064m to 4084m with 2000 lpm, 174-176 bar, 180 rpm, 19-21 kNm, WOB 2-4 MT, ECD 1.45-1.46 sg. Average ROP: 10 m/hr. Drilled with reduced flow due to minor losses (approx 350 l/hr)
18:00	00:00	4162	drilling -- drill	ok	Drilled and orientated 8 1/2" hole from 4084m to 4162m with 2200 lpm, 209-211 bar, 180 rpm, 19-21 kNm, WOB 1-5 MT, ECD 1.45-1.46 sg. Average ROP: 13 m/hr.

Equipment Failure Information

Start time	Depth mMD	Depth mTVD	Sub Equip - Syst Class	Operation Downtime (min)	Equipment Repaired	Remark
00:00	901		hoisting equ -- top drive	0	00:00	While running 14" 169.65 kg/m casing a bolt on one out of four U-clamps sheared off. Potential 0.12kg*4m*9.81=5J. Series of event. Came down with top drive to approximately 3 m to P/U 14" csg. joint. Moved horizontal tubular feeding machine in and tilte
00:00	15		service equ -- special service equ	0	00:00	When attempting to test SoundTrack (APX) tools it was found that the software was not updated in tool from the UK sector and incombateble with the OnTrack tool. Updated software in APX and OnTrack with assistance from onshore org. The component does NOT
00:00	2629		service equ -- special service equ	0	00:00	De-coding error - High speed decoding need a start up sequence to decode.When starting to drill the 8 1/2" section startup sequence inisiated by it self. After picking up of bottom to make connection startup sequence did NOT inisiate. Found decoding sequen

Drilling Fluid

Sample Time	02:50	10:30	16:00	20:30
Sample Point	Flowline	Flowline	Flowline	Flowline
Sample Depth mMD	4197	3999	4070	4115
Fluid Type	Enviromul Yellow	Enviromul Yellow	Enviromul Yellow	Enviromul Yellow
Fluid Density (g/cm3)	1.32	1.32	1.32	1.32
Funnel Visc (s)	-999.99	-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)	38	36	37	41
Yield point (Pa)	9.5	8.5	8	11
Filtration tests				
Pm filtrate ()				
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	2600		.78	estimated
00:00	4162		1.29	estimated

Survey Station

Depth mMD	Depth mTVD	Inclination (dega)	Azimuth (dega)	Comment
3903.4	2851.8	61.43	69.19	
3943.4	2872.3	57.01	69.66	
3983.5	2895.7	51.73	69.48	
4023.9	2921.7	47.87	69.37	
4064.1	2949.6	44.54	69.46	
4104.7	2979.4	40.98	69.82	
4145	3010.6	37.34	70.94	

Stratigraphic Information

Depth to Top of Formation mMD	Depth to Top of Formation mTVD	Description
3701	2786.5	Blodøks Fm
3974.3	2897.9	Hidra Fm
3987	2897.9	Rødby Fm
4061.2	2947.5	Åsgard Fm
4147	3004.1	Draupne Fm

Lithology Information

Start Depth mMD	End Depth mMD	Start Depth mTVD	End Depth mTVD	Shows Description	Lithology Description
2835	3940	2822.7	2870.2		Predominantly limestone with slight traces of claystone
3940	4000	2870.2	2905.8		Predominantly argillaceous limestone with slight traces of claystone
4000	4147	2905.8	3011.9		Marl with slight traces of claystone and siltstone
4147	4162	3011.9	3024		Predominantly organic rich dark grey black claystone with traces of mar l

Gas Reading Information

Time	Class	Depth to Top mMD	Depth to Bottom MD	Depth to Top mTVD	Depth to Bottom TVD	Highest Gas (%)	Lowest Gas ()	C1 (ppm)	C2 (ppm)	C3 (ppm)	IC4 (ppm)	IC5 (ppm)
00:00	drilling gas pea k	4125		2994.3		.14		1040	31	10	-999.99	-999.99