Summary report

Wellbore: 15/9-F-10 **Period: 2009-06-01 00:00 - 2009-06-02 00:00**

Status:	normal
Report creation time:	2018-05-03 13:51
Report number:	57
Days Ahead/Behind (+/-):	11.2
Operator:	StatoilHydro
Rig Name:	MÆRSK INSPIRER
Drilling contractor:	Maersk Drilling
Spud Date:	2009-04-06 06:00
Wellbore type:	
Elevation RKB-MSL (m):	54.9
Water depth MSL (m):	91
Tight well:	Y
HPHT:	Y
Temperature ():	
Pressure ():	
Date Well Complete:	2009-06-03

Dist Drilled (m):	297
Penetration rate (m/h):	-999.99
Hole Dia (in):	8.5
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:	5255
Depth mTVD:	2973
Plug Back Depth mMD:	
Depth at formation strength mMD:	3439
Depth At Formation Strength mTVD:	2654
Depth At Last Casing mMD:	3441
Depth At Last Casing mTVD:	2654

Summary of activities (24 Hours)

Drilled 8 1/2" hole from 4994 m to 5255 m MD. Drilled 8 1/2" hole from 5255 m MD to 5314 m MD as adviced by geologist. Obtained Stethoscope samples at 5215, 5230 and 5253 m MD.

Summary of planned activities (24 Hours)

Drill 8 1/2" hole to prognosed TD at 5355 m MD. Circulate hole clean. Perform data acquisition program as adviced. POOH with 8 1/2 drilling BHA while logging section.

Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	04:00	4958	interruption -- other	ok	Halted drilling operation for repair of TDS link tilt cylinder. Dismounted link tilt cylinder and brought to workshop for repair. Re-mounted link tilit cylinder. Meanwhile circulated in hole at 1300 lpm / SPP 85-89 bar. ECD 1,37-1,38 sg.
04:00	06:00	4994	drilling -- drill	ok	Drilled 8 1/2" hole section from 4958 m to 4994 m MD. Drilling parameters : Flow 2400 lpm / SPP 240-245 bar / 200 RPM / Torque ~20 kNm / ROP 25 m/hrs / ECD 1,44-1,45 sg.D ownlinked PD Xceed according to DDs instructions, had to pick off bottom in order to get downlink accepted. Observed high dropping tendency of BHA.
06:00	21:45	5255	drilling -- drill	ok	Drilled 8 1/2" hole section from 4994 m to 5255 m MD. Drilling parameters : Flow 2500 lpm / SPP 250-260 bar / 200 RPM / Torque 18-23 kNm / ROP 25 m/hrs / ECD 1,44-1,48 sg. Performed MWD survey on connections. Downlinked PD Xceed according to DDs instructions.
21:45	22:15	5255	drilling -- other	ok	Picked off bottom and circulated cuttings above BHA, Performed sticky test on BHA : 5 min static and then picking up. String came free at 225 MT upweight, last p/u weight 196 MT .
22:15	00:00	5255	drilling -- circulating conditioning	ok	Circulated bottoms up while reciprocating string in order to reduce drag in well. Parameters : Flow 2000-2500 lpm / SPP 176-260 bar / 150-200 RPM / Torque 17-19 kNm / ECD 1,48=>1,45 sg.

Equipment Failure Information

Start time	Depth mMD	Depth mTVD	Sub Equip - Syst Class	Operation Downtime (min)	Equipment Repaired	Remark
00:00	4958		hoisting equ -- top drive	0	00:00	Leakage on TDS mounted link til cyliner. Recessed drilling. Cylinder was dismounted for repair.

Drilling Fluid

Sample Time	04:00	09:00	21:00
Sample Point	Flowline	Active pit	Active pit
Sample Depth mMD	4958	4958	5225
Fluid Type	Enviromul Yellow	Enviromul Yellow	Enviromul Yellow
Fluid Density (g/cm3)	1.32	1.32	1.32
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)	30	30	34
Yield point (Pa)	11	11	12
Filtration tests			
Pm filtrate ()			
Filtrate Lthp ()			

Filtrate Hthp ()			
Cake thickn API ()			
Cake thickn HPHT ()			
Test Temp HPHT (degC)	120	120	120
Comment			

Pore Pressure

Time	Depth mMD	Depth TVD	Equ Mud Weight (g/cm3)	Reading
00:00	5253		.3	measured
00:00	5314		1.08	estimated

Survey Station

Depth mMD	Depth mTVD	Inclination (dega)	Azimuth (dega)	Comment
4977.6	2813.1	58.44	130.74	
5017.9	2835.3	54.86	131.27	
5058.3	2858.7	54.24	131.85	
5098.6	2882.1	54.66	131.86	
5139	2905.5	54.49	132.53	
5179.3	2928.9	54.59	131.33	
5219.4	2952.2	54.66	130.59	
5259.7	2975.6	54.14	131.17	

Stratigraphic Information

Depth to Top of Formation mMD	Depth to Top of Formation mTVD	Description
4947	2798	Blodøks Fm
5004.8	2826.9	Hidra Fm
5021.1	2837.2	Rødby Fm
5027.6	2841.2	Sola Fm
5031	2843.2	Åsgard Fm
5056.4	2859	Draupne Fm
5204.4	2943.3	Hugin Fm
5261	2976	Smith Bank Fm

Lithology Information

Start Depth mMD	End Depth mMD	Start Depth TVD	End Depth TVD	Shows Description	Lithology Description
4950	5052				Claystones with limestone stringers
5052	5169				Organic rich black claystones
5169	5205				Silty dark claystones
5205	5262				Kaolinitic Sansdstones with minor Claystone s
5262	5270				Claystones with Limestones.
5270	5295				Claystones with minor limestone stringers

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 peak	4999		2824		.05		305	13	9	4	9
00:00	drilling gas peak	5069		2874		.56		3939	273	138	22	23
00:00	drilling gas peak	5083		2883		.66		5567	212	86	16	20
00:00	drilling gas peak	5090		2885		.86		7089	256	106	18	21
00:00	drilling gas peak	5205		2952		.47		3389	243	119	15	23
00:00	drilling gas peak	5232		2967		.18		979	75	48	10	21
00:00	drilling gas peak	5240		2972		.18		1021	76	49	10	20