Summary report

Wellbore: 15/9-F-10 **Period: 2009-05-28 00:00 - 2009-05-29 00:00**

Status:	normal
Report creation time:	2018-05-03 13:51
Report number:	53
Days Ahead/Behind (+/-):	10.3
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):	241
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:	4911
Depth mTVD:	2791
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" section from 4750 m to 4911 m MD. Circulated hole clean. Rigged up for running WL gyro. Ran/pumped WL gyro to 4760 m MD inside drillstring. POOH with WL gyro to 800 m MD while logging survey data.

Summary of planned activities (24 Hours)

Log survey data on WL gyro. Rig down WL. POOH with 8 1/2" drilling BHA. Run BOP test plug. Test drilling BOP.

Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	03:15	4720	drilling -- drill	ok	Drilled 8 1/2" hole section from 4670 m to 4720 m MD. Drilling parameters : Flow 2800 lpm / SPP 256-264 bar / 200 RPM / WOB 10-12 MT / Torque 20-25 kNm / ROP 15-25 m/hr. Perfomed MWD survey on connections. Downlinked Powerdrive according to DDs instructions.
03:15	03:30	4720	interruption -- other	ok	Checked out liner spary alarm on mudpump#2. Meanwhile reciprocated stand pumping at 1800 lpm.
03:30	04:45	4750	drilling -- drill	ok	Drilled 8 1/2" hole section from 4670 m to 4750 m MD. Drilling parameters : Flow 2800 lpm / SPP 256-264 bar / 200 RPM / WOB 10-12 MT / Torque 21-23 kNm / ROP 15-25 m/hr. Perfomed MWD survey on connections. Downlinked Powerdrive according to DDs instructions.
04:45	05:45	4750	drilling -- other	ok	Inspected and service fwd/aft PRS. Checked oil on TDS gearbox.
05:45	06:00	4750	drilling -- drill	ok	Made connection and MWD survey.
06:00	08:00	4790	drilling -- drill	ok	Drilled 8 1/2" hole section from 4750 m to 4790 m MD. Drilling parameters : Flow 2800 lpm / SPP ~266 bar / 200 RPM / WOB ~10 MT / Torque 20-23 kNm / ROP 20-25 m/hr. Perfomed MWD survey on connections. Downlinked Powerdrive according to DDs instructions. Recessed operation for changing TDS gearbox oil.
08:00	08:45	4790	interruption -- other	ok	Changed oil in TDS gearbox due to traces of water in oil sample. Meanwhile circulated at 1000 lpm.
08:45	10:30	4820	drilling -- drill	ok	Drilled 8 1/2" hole section from 4790 m to 4820 m MD. Drilling parameters : Flow 2800 lpm / SPP ~267 bar / 200 RPM / WOB ~10 MT / Torque 20-23 kNm / ROP 25 m/hr. Perfomed MWD survey on connections. Downlinked Powerdrive according to DDs instructions.
10:30	10:45	4820	drilling -- drill	ok	Due to no reduction in active when drilling last stand, lined up to triptanks and flowchecked - well static.
10:45	15:30	4911	drilling -- drill	ok	Drilled 8 1/2" hole section from 4820 m to 4911 m MD. Drilling parameters : Flow 2800 lpm / SPP ~272 bar / 200 RPM / WOB ~7 MT / Torque 20-24 kNm / ROP 25 m/hr. Perfomed MWD survey on connections. Downlinked Powerdrive according to DDs instructions.
15:30	16:00	4911	drilling -- drill	ok	Performed MWD survey. Downlinked Powerdrive and set in neutral. Broke and laid out 5 1/2" single.
16:00	19:00	4898	drilling -- circulating conditioning	ok	Circulated hole clean while reciprocating stand. Parameters : Flow 1500-2800 lpm / SPP 97-270 bar / 60-200 RPM / Torque ~18 kNm. Circulated two times bottoms up. Verified clean shakers.
19:00	19:30	4898	workover -- rig up/down	ok	Held toolbox talk for running WL gyro. Lined up well on trip tank.
19:30	21:15	4898	workover -- rig up/down	ok	Hung off stringin slips with 130 MT downweight. Suspended upper WL sheave in elevator. Suspended lower WL sheave in tugger and slings to samson posts. Made up stuffing box to pump in sub. Set WL depth relative to RT. Stabbed gyro toolstring. Made up FOSV/pump-in sub/stuffing box to DP using IR. Made up cement hose to pump in sub.
21:15	00:00	4898	workover -- wire line	ok	RIH with gyro on 5/16" EWL from surface to 360 m MD. Initialized gyro and CLL according to Scientific procedures. RIH with 5/16" EWL to 1300 m MD.

Equipment Failure Information

Start time	Depth mMD	Depth mTVD	Sub Equip - Syst Class	Operation Downtime (min)	Equipment Repaired	Remark
00:00	4633		mud and bulk syst -- mud supply	0	00:00	Problems with liner spray system.
00:00	4790		hoisting equ -- top drive	0	00:00	Changed gearbox oil on TDS.

Drilling Fluid

Sample Time	03:00	16:00	21:00
Sample Point	Active pit	Active pit	Flowline
Sample Depth mMD	4717	4908	4908
Fluid Type	Enviromul Yellow	Enviromul Yellow	Enviromul Yellow
Fluid Density (g/cm3)	1.31	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)	29	32	32
Yield point (Pa)	12	13	13
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	4911.4		1.08	estimated

Survey Station

Depth mMD	Depth mTVD	Inclination (dega)	Azimuth (dega)	Comment
4737.4	2750.5	82.81	130.52	
4777.6	2756.2	80.87	130.2	
4818	2763.8	77.41	129.45	
4858.4	2774	73.57	129.36	
4894.4	2785.4	69.4	129.21	

Lithology Information

Start Depth mMD	End Depth mMD	Start Depth TVD	End Depth TVD	Shows Description	Lithology Description
4740	4910				Limestone interval with thin claystone interbedding.