

Summary report

Wellbore: 15/9-F-10

Period: 2009-04-23 00:00 - 2009-04-24 00:00

Status:	normal
Report creation time:	2018-05-03 13:51
Report number:	18
Days Ahead/Behind (+/-):	8.6
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):	104
Penetration rate (m/h):	-999.99
Hole Dia (in):	17.5
Pressure Test Type:	formation integrity test
Formation strength (g/cm3):	1.6
Dia Last Casing ():	

Depth at Kick Off mMD:	
Depth at Kick Off mTVD:	
Depth mMD:	1495
Depth mTVD:	1425
Plug Back Depth mMD:	
Depth at formation strength mMD:	1389
Depth At Formation Strength mTVD:	1331.7
Depth At Last Casing mMD:	1388.9
Depth At Last Casing mTVD:	1331.7

Summary of activities (24 Hours)

POOH and racked 17 1/2" BHA. Changed PowerDrive. RIH to 1406m, established parameters, 3200 l/min, 134 bar, 50 rpm, 8-10 kNm. Washed to tagging depth at 1463m. Established drilling parameters, 4490 l/min, 240 bar, 160 rpm, 9-12 kNm, WOB 2-5 ton, ROP 15-20. Drilled to 1516m. Pulled off bottom and circulated, due to problems with cuttings injection. Continued to drill from 1516m to 1567m. Cuttings in skip, trouble shot injection system, observed rubber in pumps.

Summary of planned activities (24 Hours)

Drill 17 1/2" hole from 1567m to 1800m as per DD's instructions.

Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	01:00	1435	drilling - trip	ok	POOH with 17 1/2" BHA from 1453 m to 1435 m MD. Observed overpull of 10-15 MT at 1452 m MD. Worked string with 30 RPM as dictated overpull (10-15 MT) and torque (max 20 kNm). String free to move down. Normal drag obtained at 1435 m MD.
01:00	03:45	174	drilling - trip	ok	POOH with 17 1/2" BHA on 5 1/2" DP from 1435 m to 174 m MD.
03:45	04:15	174	drilling - trip	ok	Flowchecked - well static. Filled triplanks.
04:15	04:45	116	drilling - trip	ok	POOH with 17 1/2" BHA on 5 1/2" DP/HWDP from 174 m to 116 m MD. Removed PS-21 slips. Installed master bushing.
04:45	06:00	116	drilling - trip	ok	Pulled and racked back stand of 8,25" DC/intensifier and stand of 8,25" DC/jar.
06:00	06:45	0	drilling - trip	ok	POOH with 17 1/2" BHA, racked on set back. Inspected bit and damaged Power Drive.
06:45	07:00	0	drilling - trip	ok	Drill crew hand over.
07:00	07:15	0	drilling - trip	ok	Toolbox talk prior to handling BHA, rig tongs required.
07:15	07:45	0	drilling - trip	ok	Cleared and cleaned rigfloor after POOH.
07:45	08:45	0	drilling - trip	ok	Broke off 17 1/2" bit from damaged Power Drive. Bit to be re-run. L/D Power Drive on deck.
08:45	09:45	0	drilling - trip	ok	P/U new Power Drive, made up bit.
09:45	11:00	84	drilling - trip	ok	RIH from surface to 84m.
11:00	11:15	84	drilling - trip	ok	Stopped due to uncertainty of float status. Toolbox talk prior to POOH to check float.
11:15	13:00	4	drilling - trip	ok	POOH from 84m to 4m. Broke BHA, inspected float, twisted. Removed twisted float.
13:00	15:30	27	drilling - trip	ok	RIH from 4m to 27m, installed float sub and standard float on top of 17" NM string stabilizer. Rig tongs required.
15:30	16:45	115	drilling - trip	ok	RIH with 17 1/2" BHA from 27m to 115m.
16:45	17:15	115	drilling - trip	ok	Installed PS-21 slips dressed for 5 1/2" DP.
17:15	19:00	559	drilling - trip	ok	RIH from 115m to 559m.
19:00	19:15	559	drilling - trip	ok	Tool box talk with on comming shift prior to RIH with 17 1/2" BHA on 5 1/2" DP from 559m.
19:15	20:45	1364	drilling - trip	ok	RIH from 559m to 1364m, emptying trip tank every 10 stand, filled pipe at 1000m.
20:45	21:15	1406	drilling - trip	ok	Made up top drive and slides through 20" casing shoe to 1406m. No restrictions observed.
21:15	22:15	1463	drilling - trip	ok	Took up/down weight, 135/121 ton, free rotation weight, 50 rpm, 127 ton. Started pumps and rotation, 3200 l/min, 137 bar, 50 rpm, 8-10 kNm. Washed from 1406m to tagging depth 1463m.
22:15	22:30	1463	drilling - drill	ok	Pulled 2m, established drilling parameters, 4300 l/min, 225 bar, 150 rpm, 8-10 kNm. Tagged with 2-4 ton, 4300 l/min, 228 bar, 150 rpm, 10-12 kNm.
22:30	00:00	1495	drilling - drill	ok	Drilled from 1463m to 1495m, 4490 l/min, 240 bar, 160 rpm, 9-12 kNm, WOB 2-5 ton, ROP 18-20 m/hr.

Bit Record

Run No.	Bit Size	Bit Type	IADC Code	Manufacturer	Hrs Drilled	Start mMD	End mMD	Hole Made (last 24H)	Hours Drilled (last 24H)	Form ROP	Total ROP	Total Hole Made	Total Hrs Drilled
3	17.5 in	RSR716M-C 9		REED	3.2	1400	1400			19.7	19.7	63	3.2

Drilling Fluid

Sample Time	04:00	23:00
Sample Point	Active pit	Flowline
Sample Depth mMD	1463	1479
Fluid Type	OBM-Standard	OBM-Standard
Fluid Density (g/cm3)	1.47	1.51
Funnel Visc (s)	-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	29
Yield point (Pa)	11.5	11.5
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	1567		1	estimated

Survey Station

Depth mMD	Depth mTVD	Inclination (dega)	Azimuth (dega)	Comment
1472.8	1404.6	27.19	118.74	
1512.8	1440.9	26.83	118.26	

Log Information

Run No	Service Company	Depth Top mMD	Depth Bottom mTVD	Tool	BHST (degC)
101	Schlumberger	1463	-999.99	ARCVRES9	-999.99

Lithology Information

Start Depth mMD	End Depth mMD	Start Depth mTVD	End Depth mTVD	Shows Description	Lithology Description
1463	1550	1399	1478		Claystone with 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	1496		1428.8		.87		8174	8	3	1	6