

Summary report

Wellbore: 15/9-F-10

Period: 2009-05-07 00:00 - 2009-05-08 00:00

Status:	normal
Report creation time:	2018-05-03 13:51
Report number:	32
Days Ahead/Behind (+/-):	7.9
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 (I):	
Pressure (I):	
Date Well Complete:	2009-06-03

Dist Drilled (m):	55
Penetration rate (m/h):	-999.99
Hole Dia (in):	12.25
Pressure Test Type:	formation integrity test
Formation strength (g/cm3):	1.4
Dia Last Casing (I):	

Depth at Kick Off mMD:	
Depth at Kick Off mTVD:	
Depth mMd:	2825
Depth mTVD:	2440
Plug Back Depth mMD:	
Depth at formation strength mMD:	2619
Depth At Formation Strength mTVD:	2296
Depth At Last Casing mMD:	2607.5
Depth At Last Casing mTVD:	2287.5

Summary of activities (24 Hours)

POOH with BHA, replaced Xceed and RIH with new BHA to 2825 m.  
Continued drilling 12 1/4" hole from 2825 m to 2902 m.

Summary of planned activities (24 Hours)

Continue drilling 12 1/4" hole from 2902 m to approx 3300 m.

Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	02:00	2825	drilling -- drill	ok	Drilled 12 1/4" hole from 2770 - 2825 m; 3500 lpm, 221 - 223 bar, WOB 5 - 8 tons, 170 rpm, 18 - 23 kNm, ECD 1.33 - 1.34 sg EMW, ESD 1.31 - 1.32 sg EMW, ROP 30 - 32 m/hr. Unable to obtain directional control with Xceed tool. Meanwhile PU and racked 9 5/8" stands in derrick.
02:00	02:30	2820	drilling -- trip	ok	Picked off bottom and troubleshot Xceed tool; unable to obtain tool response on downlink commands, decided to POOH. Meanwhile PU and racked 9 5/8" stands in derrick.
02:30	04:45	2825	drilling -- trip	ok	Circulated hole clean with 2 x BU; 3500 lpm, 223 bar, 80 - 130 rpm, 14 - 15 kNm. Meanwhile completed PU and racking 9 5/8" stands in derrick. 9 stands made up totally. Status: 24 stands of 9 5/8" casing in derrick.
04:45	05:15	2800	drilling -- trip	ok	Set back last stand in derrick. Flow checked well on trip tank - OK.
05:15	06:00	2680	drilling -- trip	ok	POOH wet with 12 1/4" BHA from 2825 - 2680 m.
06:00	06:30	2595	drilling -- trip	ok	POOH wet to the shoe with 12 1/4" BHA from 2680 m to 2595 m.
06:30	07:15	2595	drilling -- trip	ok	Flowchecked well inside shoe at 2595 m. Lossrate 180 l/hr. Meanwhile held TBT prior to POOH, checked PRS dies.
07:15	07:45	2595	drilling -- trip	ok	Pumped 5 m3 1,55 sg slug and filled trip tank. Removed mud bucket. Observed problem with drawwork motor.
07:45	08:15	2595	interruption -- repair	ok	Investigated problem with drawwork. Kept hard tripping in both directions.
08:15	11:30	178	drilling -- trip	ok	POOH with 12 1/4" BHA from 2598 m to 178 m. Slower pulling speed to 2196 m due to problem with drawwork. Rectified problem and de-assign motor #4.
11:30	12:00	178	drilling -- trip	ok	Flowchecked well prior to POOH with BHA, static. Meanwhile held TBT and removed PS-21 slips.
12:00	14:15	0	drilling -- trip	ok	POOH with 12 1/4" BHA from 178 m to surface. B/O 12 1/4" bit and L/D Xceed tool.
14:15	14:30	0	drilling -- trip	ok	Cleaned and cleared rig floor.
14:30	15:15	19	drilling -- trip	ok	TBT prior to P/U new Xceed tool. P/U new Xceed tool and M/U 12 1/4" bit. RIH from surface to 19 m.
15:15	16:30	0	drilling -- trip	ok	Downloaded data from telescope and Arc tools as per Schlumberger instructions.
16:30	17:30	179	drilling -- trip	ok	RIH with 12 1/4" BHA from 19 m to 179 m.
17:30	17:45	179	drilling -- trip	ok	Removed master bushing and installed PS-21 slips.
17:45	18:15	620	drilling -- trip	ok	RIH with 12 1/4" BHA on 5 1/2" DP from 179 m to 620 m.
18:15	18:45	620	drilling -- trip	ok	Filled pipe and shallow tested MWD tools with 2300 lpm/ 78 bar.
18:45	22:00	2595	drilling -- trip	ok	RIH with 12 1/4" BHA on 5 1/2" DP from 620 m to 2595 m. Filled pipe every 600 m.
22:00	22:30	2595	drilling -- trip	ok	Serviced TDS. Observed problem with Drawwork motors.
22:30	23:00	2595	interruption -- repair	ok	Investigated problem with drawwork motors. Rectified problem and de-assign motor # 2.
23:00	23:30	2761	drilling -- trip	ok	RIH with 12 1/4" BHA on 5 1/2" DP from 2595 m to 2761 m.
23:30	00:00	2780	drilling -- trip	ok	Reamed and washed down from 2761 m to 2780 m. Parameters; 3000 lpm/ 182 bar - 60 rpm/ 13 kNm.

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
5	12.25 in	MDI716	M323	Smith International	8.5	2616	2616			24.6	24.6	209	8.5

Drilling Fluid

Sample Time	03:00	16:00	22:30
Sample Point	Flowline	Active pit	Active pit
Sample Depth mMD	2821	2821	2644
Fluid Type	Enviromul Yellow	Enviromul Yellow	Enviromul Yellow
Fluid Density (g/cm3)	1.3	1.3	1.3
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)	24	24	24
Yield point (Pa)	10	10.5	10
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	2825		1.01	estimated

Survey Station

Depth mMD	Depth mTVD	Inclination (dega)	Azimuth (dega)	Comment
2827.1	2441.7	47.37	126.78	
2867	2467.8	50.97	125.56	

Stratigraphic Information

Depth to Top of Formation mMD	Depth to Top of Formation mTVD	Description
2888	2480	Heimdal Fm
2899	2487	Ty Fm