Summary report

Wellbore: 15/9-F-10 **Period: 2009-06-02 00:00 - 2009-06-03 00:00**

Status:	normal
Report creation time:	2018-05-03 13:51
Report number:	58
Days Ahead/Behind (+/-):	28.2
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 (degC):	107
Pressure (psig):	1298.1
Date Well Complete:	2009-06-03

Dist Drilled (m):	76
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:	5331
Depth mTVD:	3017
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 5314 m to TD at 5331 m MD. Circulated well clean. POOH with 8 1/2" BHA to 4960 m MD. POOH while logging from 4960 to 3665 m MD. POOH from 3665 m to 3223 m MD.

Summary of planned activities (24 Hours)

POOH from 3223 m MD to surface. Break and lay down 8 1/2" BHA. RIH with 3 1/2" x 5" x 5 1/2" cement string to TD. Set P&A cement plug #1.

Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	01:00	5255	formation evaluation -- log	ok	Stopped rotation. Circulated at 2500 lpm. Took p/u weight 196 MT. Performed two sticky tests : 3 min - 198 MT p/u and 8 min 205 MT p/u weight. Downlinked Stethoscope. Positioned string with bit at 5249 m MD / probe depth 5215 m MD. Obtained pressure sample of 87,17 bar at 5215 m MD.
01:00	02:15	5280	drilling -- drill	ok	Drilled 8 1/2" hole section from 5255 m to 5280 m MD as adviced by geologist. Drilling parameters : Flow 2500 lpm / SPP 250-260 bar / 200 RPM / Torque 18-23 kNm / ROP 25 m/hrs / ECD 1,47-1,49 sg. Performed MWD survey on connection.
02:15	03:15	5280	formation evaluation -- log	ok	Downlinked Stethoscope. Positioned string with bit at 5264 m MD / probe depth 5230 m MD. P/u weight 205 MT. Obtained pressure sample of 88,07 bar at 5230 m MD.
03:15	04:15	5300	drilling -- drill	ok	Drilled 8 1/2" hole section from 5280 m to 5300 m MD as adviced by geologist. Drilling parameters : Flow 2300 lpm / SPP ~231 bar / 200 RPM / Torque ~22 kNm / ROP 25 m/hrs / ECD 1,48 -1,49 sg. Performed MWD survey on connection.
04:15	05:15	5300	formation evaluation -- log	ok	Downlinked Stethoscope. Positioned string with bit at 5287 m MD / probe depth 5253 m MD. P/u weight 197 MT. Obtained pressure sample of 89,51 bar at 5253 m MD. High p/u weight when comming free with string (~230 MT), came down with string, started rotation and came free, no pack off tendency.
05:15	06:00	5314	drilling -- drill	ok	Drilled 8 1/2" hole section from 5300 m to 5314 m MD as adviced by geologist. Drilling parameters : Flow 2300 lpm / SPP ~233 bar / 200 RPM / Torque ~21 kNm / ROP 15-25 m/hrs / ECD 1 ,48-1,49 sg.
06:00	07:30	5331	drilling -- drill	ok	Drilled 8 1/2" hole section from 5314 m to TD at 5331 m MD as adviced by geologist. Drilling parameters : Flow 2300 lpm / SPP ~235 bar / 200 RPM / Torque ~20 kNm / ROP 15 m/hrs / ECD 1,49 sg.
07:30	09:45	5331	drilling -- circulating conditioning	ok	Circulated hole clean while reciprocating string between 5331 m and 5320 m MD. Parametes : Flow 2300 lpm / SPP ~235 bar / 150-200 RPM / Torque 17-19 kNm / ECD 1,47-1,48 sg. Downlinked PD Xceed for tripping out.
09:45	13:30	5320	drilling -- circulating conditioning	ok	Set back one stand and continued to circulate well clean reciprocating stand beetween 5320 m and 5380 m MD. Parameters : Flow 2300 lpm / SPP 232-236 bar / 150-200 RPM / Torque ~18 kNm / ECD 1,48 sg.
13:30	15:00	5215	drilling -- drill	ok	POOH with 8 1/2" drilling BHA on 5 1/2" DP from 5320 m to 5215 m MD. Parameters : Flow 2200 lpm / SPP 230-240 bar. Took >20 MT overpull at 5215 m MD. Attempted to rotate to move pipe down - negative. Worked string free by comming down with 60 MT downweight and applying 33 kNm - pipe free. Standpipe pressure stable around 235 bar. Washed and reamed upwards 2200 lpm / 20 RPM, took 20-25 MT overpull and string stalled out. Worked string free by setting down full string weight. Washed and reamed through tight area with 2200 lpm / 60-120 RPM.
15:00	16:30	4960	drilling -- drill	ok	Backreamed with 8 1/2" drilling BHA on 5 1/2" DP from 5320 m to 4960 m MD. Parameters : Flow 2300 lpm / SPP 239-226 bar / 60 RPM / Torque ~14 kNm / ECD 1,45-1,46 sg.
16:30	00:00	4084	formation evaluation -- log	ok	Backreamed from 4960 m to 4084 m MD while logging interval. Parameters : Flow 2300 lpm / 226=>207 bar / Rotation 60 RPM / Torque 16=>12 kNm / ECD 1,46=>1.43 sg / Pulling speed 4 ,5 m/min.

Drilling Fluid

Sample Time	05:00	10:00	21:00
Sample Point	Flowline	Active pit	Active pit
Sample Depth mMD	5308	5305	5331
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)	36	36	37
Yield point (Pa)	11.5	11.5	15
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	5056.4		1.24	estimated
00:00	5215		.3	measured
00:00	5331		1.15	estimated

Survey Station

Depth mMD	Depth mTVD	Inclination (dega)	Azimuth (dega)	Comment
5300.1	2999.1	54.61	130.13	

Log Information

Run No	Service Company	Depth Top mMD	Depth Bottom mTVD	Tool	BHST (degC)
110	Schlumberger	4911	5331	ECOSCOPE - STETHSCOPE - TELESCOPE - ISON	-999.99

Lithology Information

Start Depth mMD	End Depth mMD	Start Depth TVD	End Depth TVD	Shows Description	Lithology Description
5295	5331				Claystone with minor sand s

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	5256		2982		.12		400	33	30	8	21
00:00	drilling gas pea k	5262		2985.5		.08		400	14	9	5	13