

## Summary report

Wellbore: 15/9-F-11 T2

Period: 2013-03-24 00:00 - 2013-03-25 00:00

Status:	normal
Report creation time:	2018-05-03 13:51
Report number:	19
Days Ahead/Behind (+/-):	
Operator:	Statoil
Rig Name:	MÆRSK INSPIRER
Drilling contractor:	Maersk Drilling
Spud Date:	2013-03-07 17:30
Wellbore type:	
Elevation RKB-MSL (m):	54.9
Water depth MSL (m):	91
Tight well:	Y
HPHT:	Y
Temperature ():	
Pressure ():	
Date Well Complete:	2013-05-09

Dist Drilled (m):	107
Penetration rate (m/h):	-999.99
Hole Dia (in):	26
Pressure Test Type:	
Formation strength (g/cm3):	0
Dia Last Casing ():	

Depth at Kick Off mMD:	
Depth at Kick Off mTVD:	
Depth mMD:	454
Depth mTVD:	454
Plug Back Depth mMD:	
Depth at formation strength mMD:	0
Depth At Formation Strength mTVD:	0
Depth At Last Casing mMD:	202.3
Depth At Last Casing mTVD:	202

### Summary of activities (24 Hours)

Oriented and drilled 26" hole from 347 m to 454 m. Recorded Gyro surveys. Found out crown block fast-line sheave bearings had failed. Prepared to displace hole to 1.35 sg KCl mud and POOH 26" BHA from 454 m.

### Summary of planned activities (24 Hours)

POOH for repair of crown block.

### Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	01:30	318	interruption -- other	ok	Drilled 26" hole from 306 m to 318 m, 3650 l/min, 105 bar, 40 RPM, 5 kNm, 2 - 5 tons WOB. Pumped Hi-vis sweeps.
01:30	02:00	318	interruption -- other	ok	R/U wireline, RIH and took Gyro survey (317 m bit depth): Survey station (m) Inclination (deg) Azi (deg) 276.4 1.41 316.92
02:00	03:00	333	interruption -- other	ok	Drilled 26" hole from 318 m to 333 m, 3650 l/min, 105 bar, 40 RPM, 5 kNm, 2 - 5 tons WOB. Pumped Hi-vis sweeps.
03:00	03:30	333	interruption -- other	ok	R/U wireline, RIH and took Gyro survey (332 m bit depth): Survey station (m) Inclination (deg) Azi (deg) 290.2 1.30 318.66
03:30	04:30	346	interruption -- other	ok	Drilled 26" hole from 333 m to 346 m, 3760 l/min, 110 bar, 40 RPM, 5 kNm, 2 - 4 tons WOB. Pumped Hi-vis sweeps.
04:30	05:00	346	interruption -- other	ok	R/U wireline, RIH and took Gyro survey (345 m bit depth): Survey station (m) Inclination (deg) Azi (deg) 305 1.06 321.43
05:00	06:00	359	drilling -- drill	ok	Drilled 26" hole from 346 m to 359 m, 3760 l/min, 110 bar, 40 RPM, 5 kNm, 2 - 4 tons WOB. Pumped Hi-vis sweeps.
06:00	07:00	359	drilling -- other	ok	R/U wireline, RIH and took Gyro survey (358 m bit depth): Survey station (m) Inclination (deg) Azi (deg) 317.0 0.98 327.19
07:00	08:00	374	drilling -- drill	ok	Drilled 26" hole from 359 m to 374 m, 3760 l/min, 110 bar, 40 RPM, 5 kNm, 2 - 4 tons WOB. Pumped Hi-vis sweeps.
08:00	08:30	374	drilling -- other	ok	R/U wireline, RIH and took Gyro survey (373 m bit depth): Survey station (m) Inclination (deg) Azi (deg) 332.0 1.08 321.81
08:30	09:30	387	drilling -- drill	ok	Drilled 26" hole from 374 m to 387 m, 4400 l/min, 155 bar, 40 RPM, 5 kNm, 2 - 4 tons WOB. Pumped Hi-vis sweeps.
09:30	10:30	387	drilling -- other	ok	Attempted to take MWD survey, no-go. R/U wireline, RIH and took Gyro survey (386 m bit depth): Survey station (m) Inclination (deg) Azi (deg) 344.7 1.07 325.46
10:30	11:00	402	drilling -- drill	ok	Drilled 26" hole from 387 m to 402 m, 4500 l/min, 155 bar, 40 RPM, 5 kNm, 2 - 4 tons WOB. Pumped Hi-vis sweeps.
11:00	12:30	402	drilling -- other	ok	Attempted to take MWD survey, no-go. R/U wireline, RIH and took Gyro survey (401 m bit depth): Survey station (m) Inclination (deg) Azi (deg) 358.2 1.13 318.40
12:30	13:00	414	drilling -- drill	ok	Orient drilled 26" hole from 387 m to 402 m, 4500 l/min, 155 bar, 2 - 4 tons WOB. Pumped Hi-vis sweeps.
13:00	13:30	414	drilling -- other	ok	R/U wireline, RIH and took Gyro survey (413 m bit depth): Survey station (m) Inclination (deg) Azi (deg) 371.7 1.16 320.72
13:30	14:00	428	drilling -- drill	ok	Orient drilled 26" hole from 414 m to 421 m, 4500 l/min, 155 bar, 2 - 4 tons WOB. Started rotation, 40 RPM, 4 kNm and continued drilling 26" hole from 421 m to 428 m, 4500 l/min, 155 bar, 2 - 4 tons WOB. Pumped Hi-vis sweeps.
14:00	15:00	428	drilling -- other	ok	Attempted to take MWD survey, no-go. R/U wireline, RIH and took Gyro survey (427 m bit depth): Survey station (m) Inclination (deg) Azi (deg) 385.0 1.40 317.81
15:00	15:30	441	drilling -- drill	ok	Drilled 26" hole from 428 m to 441 m, 3500 - 4500 l/min, 70 - 155 bar, 40 RPM, 5 kNm, 2 - 4 tons WOB. Pumped Hi-vis sweeps.
15:30	16:30	441	drilling -- other	ok	Attempted to take MWD survey, no-go. R/U wireline, RIH and took Gyro survey (440 m bit depth): Survey station (m) Inclination (deg) Azi (deg) 398.2 1.78 319.73
16:30	17:00	454	drilling -- drill	ok	Drilled 26" hole from 428 m to 441 m, 4500 l/min, 155 bar, 40 RPM, 5 kNm, 2 - 4 tons WOB. Pumped Hi-vis sweeps.
17:00	17:30	454	drilling -- survey	ok	Attempted to take MWD survey, no-go. Detected unusual noise from crown block fast-line sheave.
17:30	21:30	454	interruption -- other	ok	Checked crown block fast-line sheave and found bearing ceased onto shaft. Evaluated situation and informed offshore and onshore management. Prepared forward plan to PO OH 26" BHA prior to working on fast-line sheave. Barriered off rig floor and cantilever. Meanwhile: Circulated well 1100 l/min, 8 bar, 20 RPM, 2 kNm. Attempted to apply lubricant to fast-line sheave.
21:30	22:30	454	interruption -- other	ok	Performed Pre-job Meeting held SJA on drill floor prior to POOH. Meanwhile: Circulated well 1100 l/min, 8 bar, 20 RPM, 2 kNm. Pumped Hi-vis sweeps.

22:30	00:00	454	interruption -- repair	ok	Prepared POOH from 453 m to surface. Installed grease pump in crown block. Transferred 1.35 sg KCl mud to active. Rigged down wireline equipment. Meanwhile: Circulated well 1100 l/min, 8 bar, 20 RPM, 2 kNm. Pumped Hi-vis sweeps.
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### Drilling Fluid

<b>Sample Time</b>	00:00
<b>Sample Point</b>	Active pit
<b>Sample Depth mMD</b>	455
<b>Fluid Type</b>	KCl/Polymer/GEM
<b>Fluid Density (g/cm3)</b>	1.35
<b>Funnel Visc (s)</b>	-999.99
<b>Mf ()</b>	
<b>Pm ()</b>	
<b>Pm filtrate ()</b>	
<b>Chloride ()</b>	
<b>Calcium ()</b>	
<b>Magnesium ()</b>	
<b>Ph</b>	
<b>Excess Lime ()</b>	
<b>Solids</b>	
<b>Sand ()</b>	
<b>Water ()</b>	
<b>Oil ()</b>	
<b>Solids ()</b>	
<b>Corrected solids ()</b>	
<b>High gravity solids ()</b>	
<b>Low gravity solids ()</b>	
<b>Viscometer tests</b>	
<b>Plastic visc. (mPa.s)</b>	27
<b>Yield point (Pa)</b>	14.5
<b>Filtration tests</b>	
<b>Pm filtrate ()</b>	
<b>Filtrate Lthp ()</b>	
<b>Filtrate Hthp ()</b>	
<b>Cake thickn API ()</b>	
<b>Cake thickn HPHT ()</b>	
<b>Test Temp HPHT ()</b>	
<b>Comment</b>	

### Survey Station

Depth mMD	Depth mTVD	Inclination (dega)	Azimuth (dega)	Comment
305	305	1.06	321.43	
317	317	.98	327.19	
332	332	1.08	321.81	
344.7	344.7	1.07	325.46	
358.2	358.2	1.13	318.4	
371.7	371.7	1.16	320.72	
385	385	1.4	317.81	
398.2	398.2	1.78	319.73	

### Log Information

Run No	Service Company	Depth Top mMD	Depth Bottom mTVD	Tool	BHST (degC)
100	Baker Hughes Inteq	207	454	OnTrak	-999.99