

## Summary report

Wellbore: 15/9-F-11 B

Period: 2016-04-17 00:00 - 2016-04-18 00:00

<b>Status:</b>	normal
<b>Report creation time:</b>	2018-05-03 13:51
<b>Report number:</b>	4
<b>Days Ahead/Behind (+/-):</b>	
<b>Operator:</b>	Statoil
<b>Rig Name:</b>	MÆRSK INSPIRER
<b>Drilling contractor:</b>	Altus Intervention
<b>Spud Date:</b>	2013-05-28 14:30
<b>Wellbore type:</b>	
<b>Elevation RKB-MSL (m):</b>	54.9
<b>Water depth MSL (m):</b>	91
<b>Tight well:</b>	Y
<b>HPHT:</b>	Y
<b>Temperature (I):</b>	
<b>Pressure (I):</b>	
<b>Date Well Complete:</b>	2013-06-12

<b>Dist Drilled (m):</b>	-999.99
<b>Penetration rate (m/h):</b>	-999.99
<b>Hole Dia (I):</b>	
<b>Pressure Test Type:</b>	formation integrity test
<b>Formation strength (g/cm3):</b>	1.65
<b>Dia Last Casing (I):</b>	

<b>Depth at Kick Off mMD:</b>	
<b>Depth at Kick Off mTVD:</b>	
<b>Depth mMD:</b>	-999.99
<b>Depth mTVD:</b>	
<b>Plug Back Depth mMD:</b>	
<b>Depth at formation strength mMD:</b>	3192
<b>Depth At Formation Strength mTVD:</b>	2780
<b>Depth At Last Casing mMD:</b>	4768.7
<b>Depth At Last Casing mTVD:</b>	3257

## Summary of activities (24 Hours)

Perforated well. R/D WL equipment

## Summary of planned activities (24 Hours)

Skid to F-5

## Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark																				
00:00	02:20	0	workover -- perforate	ok	Standby while production department used another well to equalize and open DHSV.																				
02:20	02:40	0	workover -- perforate	ok	Opened DHSV and SV. WHP = 69 bar.																				
02:40	03:25	600	workover -- perforate	ok	RIH w/ run #1 (Perforation guns w/ Tractor), 3,375" OD guns by gravity from surface to 600 m.																				
03:25	03:45	600	workover -- perforate	ok	Schlumberger performed communication check with toolstring.																				
					Meanwhile, Held well contol exercise with WL crew. Scenario: Leakage in QTS with BHA at 1500 mMD.																				
03:45	04:45	2810	workover -- perforate	ok	Continue to RIH with BHA #1 from 600 mMD to HUD at 2810 mMD taking PUW every 500m.																				
					<table><tr><td>Depth (m)</td><td>PUW (lbs)</td><td>Sim PUW (lbs)</td><td>HW (lbs)</td></tr><tr><td>1000</td><td>2810</td><td>2511</td><td>2360</td></tr><tr><td>1500</td><td>3600</td><td>3258</td><td>3200</td></tr><tr><td>2000</td><td>4300</td><td>4279</td><td>3840</td></tr><tr><td>2500</td><td>5400</td><td>5482</td><td>4919</td></tr></table> Actual friction factor: 0.289.	Depth (m)	PUW (lbs)	Sim PUW (lbs)	HW (lbs)	1000	2810	2511	2360	1500	3600	3258	3200	2000	4300	4279	3840	2500	5400	5482	4919
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2000	4300	4279	3840																						
2500	5400	5482	4919																						
04:45	06:35	3550	workover -- perforate	ok	Activated tractor and continued to RIH with from 2810 mMD to 3550 mMD . Average running speed w/ Tractor: 9 m/min.																				
					<table><tr><td>Depth (mMD)</td><td>PUW (lbs)</td><td>Sim PUW (lbs)</td></tr><tr><td>3050</td><td>5450</td><td>5950</td></tr><tr><td>3300</td><td>5600</td><td>6270</td></tr></table>	Depth (mMD)	PUW (lbs)	Sim PUW (lbs)	3050	5450	5950	3300	5600	6270											
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06:35	07:10	3740	workover -- perforate	ok	Continued to RIH with tractor activated to 3642 mMD. Tractor seemed to struggle. Shut down tractor, picked up full weight and slacked off 10m. Started tractor again and RIH to 3740 mMD.																				
07:10	07:50	3740	workover -- perforate	ok	Performed orientation pass #1. Some stick and slip observed. Increased tractor arm force.																				
07:50	09:10	3900	workover -- perforate	ok	Continued to RIH with tractor activated to 3900mMD. Performed orientation pass #2 and stopped tractor.																				
09:10	09:40	3600	workover -- perforate	ok	Performed correlation logging from 3900 mMD to 3600 mMD.																				
09:40	10:40	3710	workover -- perforate	ok	Activated tractor and RIH to 3710 mMD. Tractor stalled out.																				
10:40	10:50	3600	workover -- perforate	ok	Switched to logging mode. Performed correlation pass from 3710 mMD to 3600 mMD.																				
10:50	11:40	3710	workover -- perforate	ok	Activated tractor and RIH to 3710 mMD. Tractor stalled out at same depth as previously.																				
11:40	12:00	3684	workover -- perforate	ok	Switched to logging mode and performed correlation pass. Positioned Gun 1 with bottom shots at 3684 mMD.																				
12:00	12:05	3684	workover -- perforate	ok	Perforated interval 3675 - 3684 mMD and lost 250 lbs on tension. WHP before/ after: 79,0 / 79,9 bar. A-annulus before / after: 12,4 / 12,1 bar.																				
12:05	12:27	3438	workover -- perforate	ok	Performed correlation pass for gun #2 while pulling out to 3438 mMD.																				
12:27	12:55	3562	workover -- perforate	ok	Activated tractor and RIH to 3562 mMD while performing correlation pass for gun #2.																				
12:55	13:10	3481	workover -- perforate	ok	Switched to logging mode and performed correlation pass. Positioned Gun 2 with bottom shots at 3481 mMD.																				
13:10	13:15	3481	workover -- perforate	ok	Perforated interval 3475 - 3481 mMD and lost 400 lbs on tension. WHP before/ after: 81,2 / 81,7 bar. A-annulus before / after: 12,0 / 12,0 bar.																				
13:15	13:25	3300	workover -- perforate	ok	POOH to 3300 mMD while correlating depth.																				
13:25	15:50	0	workover -- perforate	ok	POOH from 3300 m to surface. WHP 84 bar.																				
15:50	17:05	0	workover -- perforate	ok	Closed and inflow tested SV. Closed HMV. Valve needed to be greased before test.																				
17:05	17:25	0	interruption -- other	ok	Waited while production department greased HMV.																				
17:25	18:00	0	workover -- perforate	ok	Closed and inflow tested HMV. Purged lubricator with N2.																				
18:00	18:15	0	workover -- perforate	ok	Held toolbox meeting prior to L/D BHA with explosives.																				
18:15	19:00	0	workover -- perforate	ok	Broke lubricator and L/D BHA #1 (Perforation guns w/ tractor). Confirmed all shots fired.																				
19:00	19:50	0	workover -- wire line	ok	M/U dummy BHA for testing lubricator. Installed and stabbed lubricator. Attempted to Leak tested QTS. Found leakage in a O-ring.																				
19:50	20:10	0	interruption -- other	ok	Changed damaged O-Ring in lubricator and leak tested same to 20/345 bar for 5/10 min.																				
20:10	23:06	0	workover -- test scsssv	ok	Closed DHSV and opened HMV. Bled down pressure in tubing to 10 bar.																				
23:06	23:40	0	workover -- test scsssv	ok	Inflow tested DHSV with 74 bar dP. Pressure increased 0,1 bar/30min.																				
23:40	00:00	0	workover -- wire line	ok	Bled off pressure above DHSV before disconnecting lubricator.																				

## Perforation Information

Time of Opening Well Perf	Time of Closing Well Perf	Top of Perf mMD	Bottom of Perf mMD	Top of Perf TVD	Bottom of Perf TVD
19:00	13:40	3475	3481		
19:00	20:45	3675	3684		

