

Summary report

Wellbore: 15/9-F-12

Period: 2008-01-15 00:00 - 2008-01-16 00:00

Status:	normal
Report creation time:	2018-05-03 13:51
Report number:	113
Days Ahead/Behind (+/-):	97.9
Operator:	StatoilHydro
Rig Name:	MÆRSK INSPIRER
Drilling contractor:	Mærsk Contractors
Spud Date:	2007-03-15 00:00
Wellbore type:	
Elevation RKB-MSL (m):	54.9
Water depth MSL (m):	91
Tight well:	Y
HPHT:	Y
Temperature ():	
Pressure ():	
Date Well Complete:	2007-08-26

Dist Drilled (m):	-999.99
Penetration rate (m/h):	-999.99
Hole Dia ():	
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:	3520
Depth mTVD:	3107.4
Plug Back Depth mMD:	3480
Depth at formation strength mMD:	3116
Depth At Formation Strength mTVD:	2863
Depth At Last Casing mMD:	3519
Depth At Last Casing mTVD:	3107.8

Summary of activities (24 Hours)

Troubleshoot leakage in tie-back string. Ran 9 5/8" RTTS and tested above and below tie-back stinger - identified leakage to be in the sealstem/PBR. Established leakage rates. POOH with 9 5/8" RTTS packer.

Summary of planned activities (24 Hours)

Await plan of action from town. Meanwhile perform general rig maintenance and housekeeping.

Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	06:00	0	drilling -- casing	ok	Waited for RTTS to arrive with supply boat. Meanwhile : -Worked on IR -Serviced manriders winches -Changed centralizers for F-12 riser on Centralizer deck and tensioning deck -Functioned flow line valve
06:00	07:15	40	drilling -- casing	ok	Picked up 1 stand of 5 1/2" DP to put underneath 9 5/8" RTTS packer. Received RTTS, checked and measured same.
07:15	08:00	45	drilling -- casing	ok	Made up 9 5/8" RTTS packer.
08:00	13:45	2350	drilling -- casing	ok	RIH with 9 5/8" RTTS packer on 5 1/2" DP from 45 m to 2350 m MD.
13:45	14:15	2352	drilling -- casing	ok	Set 9 5/8" RTTS by righthand rotation and set down 3 MT. Packer element set +/- 50 m above 9 5/8" seal stinger.
14:15	15:15	2352	drilling -- casing	ok	Lined up to pump from cement unit down kill line on BOP. Closed pipe ram, verified line up. Pressure tested 9 5/8" x 10 3/4" tie-back stinger above the RTTS packer to 345 bar / 10 min - ok. Volume pumped/bled back 1330 liter. No returns observed on B-annulus.
15:15	16:45	2352	drilling -- casing	ok	Opened pipe ram. Released 9 5/8" RTTS packer. RIH from 2352 m to 2420 m MD. Struggled to pass PBR pocket with end of pipe at 2400 m MD. Picked up and slacked off several times and passed pocket.
16:45	17:15	2421	drilling -- casing	ok	Set 9 5/8" RTTS packer by righthand rotation and set down 3 MT. Packer element set +/-20 m into 9 5/8" liner.
17:15	18:00	2421	drilling -- casing	ok	Lined up to pump from cement unit down TDS and DP. Verified line up. Pressure tested 9 5/8" x 7 " liner below the RTTS packer to 345 bar / 10 min - ok. Volume pumped/bled back 1100 liter.
18:00	18:30	2421	drilling -- casing	ok	Lined up to pump from cement unit down kill line on BOP. Closed pipe ram, verified line up. Pressured up to 170 bar in stepwise manner : 30 bar / 10 min - ok. Cumulative pumped 145 liter 100 bar / 5 min - ok. Cumulative pumped 400 liter 171,5 bar. Cumulative pumped 712 liter - dropped 3 bar / 5 min. Leakage rate 2 l/min. Onset of leak from B-annulus could be observed at 165 bar.
18:30	22:00	2420	drilling -- casing	ok	Allowed pressure to bleed off in attempt to establish leakage free pressure : 160 bar - dropped 5,1 bar / 10 min (3,2%) - leakage 1,5 l/min 150 bar - dropped 4,6 bar / 10 min (3,1%) - leakage 1,5 l/min 140 bar - dropped 3,6 bar / 10 min (2,5%) - leakage 1,1 l/min 130 bar - dropped 3,2 bar / 10 min (2,5%) - leakage 1,0 l/min 120 bar - dropped 2,4 bar / 10 min (2,0%) - leakage 0,8 l/min 110 bar - dropped 2,4 bar / 10 min (2,2%) - leakage 0,7 l/min 100 bar - dropped 2,6 bar / 10 min (2,6%) - leakage 0,9 l/min 90 bar - dropped 1,7 bar / 10 min (1,9%) - leakage 0,5 l/min 80 bar - dropped 1,9 bar / 10 min (2,4%) - leakage 0,7 l/min 70 bar - dropped 1,5 bar / 10 min (2,2%) - leakage 0,5 l/min Bled pressure in well to zero.
22:00	22:30	2420	drilling -- casing	ok	Released 9 5/8" RTTS packer with 24 MT overpull according to Halliburton instructions. Allowed packer element to retract.
22:30	00:00	2180	drilling -- casing	ok	POOH with 9 5/8" RTTS packer on 5 1/2" DP from 2420 m to 2180 MD. Pulled carefully through PBR pocket - no additional drag observed.

Drilling Fluid

Sample Time	00:00
Sample Point	Reserve pit
Sample Depth mMD	-999.99
Fluid Type	Packer fluid
Fluid Density (g/cm3)	1.03
Funnel Visc (s)	-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)	-999.99
Yield point (Pa)	-999.99
Filtration tests	
Pm filtrate ()	
Filtrate Lthp ()	
Filtrate Hthp ()	
Cake thickn API ()	
Cake thickn HPHT ()	
Test Temp HPHT ()	
Comment	

Pore Pressure

Time	Depth mMD	Depth TVD	Equ Mud Weight (g/cm3)	Reading
00:00	140		1.03	estimated