Summary report

Wellbore: 15/9-F-15 A **Period: 2008-12-21 00:00 - 2008-12-22 00:00**

Status:	normal
Report creation time:	2018-05-03 13:52
Report number:	11
Days Ahead/Behind (+/-):	1.3
Operator:	StatoilHydro
Rig Name:	MÆRSK INSPIRER
Drilling contractor:	Mærsk Contractors
Spud Date:	2008-12-11 15:00
Wellbore type:	
Elevation RKB-MSL (m):	54.9
Water depth MSL (m):	91
Tight well:	Y
HPHT:	Y
Temperature ():	
Pressure ():	
Date Well Complete:	

Dist Drilled (m):	-999.99
Penetration rate (m/h):	-999.99
Hole Dia (in):	17.5
Pressure Test Type:	formation integrity test
Formation strength (g/cm3):	1.5
Dia Last Casing ():	

Depth at Kick Off mMD:	
Depth at Kick Off mTVD:	
Depth mMd:	2591
Depth mTVD:	2442
Plug Back Depth mMD:	
Depth at formation strength mMD:	1381
Depth At Formation Strength mTVD:	1349
Depth At Last Casing mMD:	2561.8
Depth At Last Casing mTVD:	2416.2

Summary of activities (24 Hours)

Displaced cement and bumped plug. Pressure tested 13 3/8" csg to 345 bar with 1.43 sg OBM. Sat seal assembly. Pressure tested seal and riser to 345 bar. Released PADPRT. LD cmt head. POOH with PADPRT. RIH and installed wear bushing. POOH with WBRT. RIH with BOP test plug and pressure tested BOP and well to 345 bar with 1.43 sg mud.

Summary of planned activities (24 Hours)

LD 17 1/2" BHA. MU and RIH with 12 1/4" clean out assembly. Clean out 13 3/8" csg shoetrack while displacing to 1.25 sg OBM. Circulate hole clean and perform FIT to 1.56 sg. Drop and pump down gyro.

Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	01:45	2558	drilling -- casing	ok	Staged up pumps to 1000 lpm / 9 bar and established circulation. Attempted to RIH and land 13 3/8" csg. Had 25 MT drag at 2558 m. Staged up pumps to 2000 lpm / 29 bar and worked pipe to pass tight spot at 2558 m. POOH 5-12 m 4 times and past tight spot.
01:45	02:00	2562	drilling -- casing	ok	Reduced flow rate to 500 lpm / 7 bar. Landed csg hanger according to Vetco procedure at 2562.4 m and sat down 7 MT off landing string weight. Rotated DP 1/4" turn to the right to ensure stem was free.
02:00	04:15	2562	drilling -- casing	ok	Staged up pumps to 3000 lpm / 57 bar and established circulation with 1.43 sg OBM. Circulated btms up (11750 strks) using rig pumps while performing pre-job safety meeting with involved personnel. Prepared tuned spacer.
04:15	06:00	2562	drilling -- casing	ok	Performed line test of cmt hose to 345 bar/10 min. Ok. Pumped 8 m3 of base oil at 1760 lpm followed by 20 m3 1.67 sg tuned spacer E at 1760 lpm using rig pumps. Chased spacer to drill floor with 3 m3 OBM. Lined up to pump from cmt unit. Opened lo-torque valve with 20 bar on cmt line to verify line-up. Released btm dart for btm plug. Mixed and pumped 23.25 m3 1.90 sg silica cmt slurry at 800 lpm / 32 bar and 7.0 m3 g-cmt slurry at 800 lpm/ 20 bar.
06:00	07:30	2562	drilling -- casing	ok	Displaced cmt to rig floor with 500 ltrs of DW at 1000 lpm. Released top dart and pumped 1500 ltrs at 1500 lpm behind cmt using cmt unit. Top wiper plug sheared at 158 bar after 750 ltrs pumped. Lined up through to top drive and zeroed stroke counters on mud pumps. Continued dispacing cmt by pumping OBM at 3000 lpm. Sheared btm plug at 7219 strks (159.8 m3) / 155 bar. Reduced rate to 1200 lpm at 8400 strks (185.7 m3). FCP was 53 bar. Bumped top plug at 8552 stks (189.0 m3) / 142 bar.
07:30	09:15	2562	drilling -- casing	ok	Pressured up surface lines to 140 bar to equalize and open lo-torque on cmt head. Attempted to close IBOP. No go. Bled off pressure to 95 bar, closed IBOP and continued to pressure up csg to 345 bar. Bled off standpipe pressure to 25.7 bar and monitored for leak through IBOP. Performed pressure test of 13 3/8" csg to 345 bar / 15 min, Ok. Bled back pressure to 20 bar and monitored for back flow. No back flow observed. 2.9 m3 pumped and 2.9 m3 bled back.
09:15	14:00	140	drilling -- casing	ok	Sat seal assembly according to vetco procedure. Landing string dropped 8 1/4". Performed line test of surface line against fail safe valve to 345 bar / 10 min. Ok. Closed lower pipe ram and lined up TDS to trip tank to monitor for returns. Pressured up in stages to 207 bar below closed ram. Bled off pressure to zero. Pumped 350 ltrs and got 300 ltrs back. Opened rams and took 45 MT overpull. Closed ram and pressure tested seal assembly 35/345 bar for 5/10 min. Dropped 3.5 bar (1 %) / 15 min. 550 ltrs pumped and 450 ltrs bled back. Reduced overpull to 3 MT. Rotated 4 right-hand turns and released.
14:00	15:45	135	drilling -- casing	ok	LD cmt head std. Dropped sponge balls and flushed string with 4400 lpm using OBM.
15:45	16:30	0	drilling -- casing	ok	POOH with PADPRT from 135 m to OOH. Removed PS21 and installed master bushings. Measured lead impression block to be 1.7". LO PADPRT.
16:30	20:30	0	drilling -- bop/wellhead equipment	ok	MU and RIH with wear busing and WBRT. Washed well head and installed wearbusing at 139.3 m. POOH with WBRT and LO jet sub and WBRT.
20:30	22:30	175	drilling -- bop activities	ok	MU jet sub to HWDP and RIH from surface to 40 m. PU and MU 18 3/4" BOP test plug. RIH with BOP test plug on 5 1/2" DP from 40 m to 175 m and landed off test plug in wearbushing.
22:30	23:00	0	drilling -- bop activities	ok	Halliburton prepared unit prior to testing.
23:00	00:00	0	drilling -- bop activities	ok	Pressure tested BOP and IBOPs to 20/345 bar 5/10 min.

Equipment Failure Information

Start time	Depth mMD	Depth mTVD	Sub Equip - Syst Class	Operation Downtime (min)	Equipment Repaired	Remark
00:00	140		pipe handling equ syst -- other	0	00:00	Problems when hooking up PS-30 slips
00:00	914		pipe handling equ syst -- other	0	00:00	Problems with HTS rollers
00:00	1371		pipe handling equ syst -- vertical pipe handling equ syst	0	00:00	Misalignment on PRS pick up tool, difficult to stab casing

Drilling Fluid

Sample Time	11:00	22:30
Sample Point	Active pit	Active pit
Sample Depth mMD	2591	2591
Fluid Type	OBM-Standard	OBM-Standard
Fluid Density (g/cm3)	1.43	1.43
Funnel Visc (s)	-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)	28	28
Yield point (Pa)	10.5	10
Filtration tests		
Pm filtrate ()		
Filtrate Lthp ()		
Filtrate Hthp ()		
Cake thickn API ()		
Cake thickn HPHT ()		
Test Temp HPHT (degC)	120	120
Comment		