

Summary report

Wellbore: 15/9-F-15

Period: 2007-12-29 00:00 - 2007-12-30 00:00

Status:	normal
Report creation time:	2018-05-03 13:52
Report number:	12
Days Ahead/Behind (+/-):	.7
Operator:	StatoilHydro
Rig Name:	MÆRSK INSPIRER
Drilling contractor:	Mærsk Contractors
Spud Date:	2008-10-24 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:	2008-12-11

Dist Drilled (m):	-999.99
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:	1378
Depth mTVD:	1347
Plug Back Depth mMD:	
Depth at formation strength mMD:	0
Depth At Formation Strength mTVD:	0
Depth At Last Casing mMD:	1368.4
Depth At Last Casing mTVD:	1340.4

Summary of activities (24 Hours)

RIH with 20" casing from 1144 m to 1218 m. Had problems with 5½" elevators. Made up 18 3/4" WH. Ran in and landed same. Circulated 2 x casing volume 440 m³. Pumped 322 m³ 1.52 SG lead slurry at 1300 lpm, 25 - 28 bars pump pressure. 20 m³ 1.92 SG tail slurry at 900 lpm, 25 bars pump pressure. Displaced cement with rig pump. Bumped plug at 9507 stks. 97.6 % pump efficiency.

Summary of planned activities (24 Hours)

Disconnect cement hose after pressure has been bled off. Release CART. LAY out cement head. Drop 2x Halliburton sponge balls and flush landing string. Pull out with CART and LAY out same. Prepare for skidding to F-12. Install BOP.

Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	01:30	1052	drilling -- casing	ok	Continued RIH with 20" casing from 956 m to 1052 m. Took 5 MT weight at 1052 m . Filled every jnt with SW.
01:30	03:00	1055	drilling -- casing	ok	Engaged FAC tool. Had to use PRS to align FAC tool due to strong sea current. Established circulation of 220 lpm / 28 bars. Washed down from 1052 m to 1055 m.
03:00	05:00	1155	drilling -- casing	ok	Continued RIH with 20" casing from 1055 m to 1155m. Unable to get good shoulder indication on graf as making up jnt # 18 and 19. Filled every jnt with SW.
05:00	06:00	1144	drilling -- casing	ok	Laid out jnt # 18 and 19
06:00	08:00	1218	drilling -- casing	ok	RIH with 20" casing from 1144 m to 1218 m. Filled every jnt with SW. Up/down weight 222/184 MT.
08:00	10:00	1218	drilling -- casing	ok	Held tool box talk prior to change over to 5½" handling equipment. Performed same.
10:00	10:15	1218	drilling -- casing	ok	Held tool box talk prior to pick up and install 18 3/4" WH with CART. Unable to open/close 5½" elevators.
10:15	13:15	1218	interrupt on -- main tain	ok	Trouble shoted elevator. Rigged down 5½" elevator. Changed out hydraulic filter.
13:15	13:45	1218	interrupt on -- main tain	ok	Trouble shooting failure on elevator. Meanwhile rigged up 20" casing elevator. Attempted to move string with 28 MT overpull (250 MT on weight indicator).
13:45	14:15	1218	interrupt on -- main tain	ok	Held tool box talk prior to install 20" circ. swage and cmt. hose. Performed same.
14:15	15:15	1218	interrupt on -- main tain	ok	Picked up 20" casing. Had to pull 128 MT overpull to free casing (350 MT on weight indicator). After casing freed up/down weight 230/190 MT. Rigged down 20" casing elevator. Rigged up 5 ½" DP elevator. Rigged down 20" circ. swage and cmt. hose.
15:15	15:30	1218	drilling -- casing	ok	Picked up and made up 18 3/4" WH with CART.
15:30	16:00	1218	drilling -- casing	ok	Removed PS-30 slips and installed master bushing.
16:00	16:30	1218	drilling -- casing	ok	Cleared rig floor. Rigged down casing tong.
16:30	18:15	1362	drilling -- casing	ok	Continued RIH with 20" casing from 1218 m to 1362 m. Washed down from 1294 m to 1362 m with 500/1000 lpm / 37 bars due to increasing holedrag. Returns observed through cementing ports in F-5 conductor.
18:15	18:45	1362	drilling -- casing	ok	Held tool box talk prior to pick up and make up CMT head. Performed same.
18:45	19:30	1368.4	drilling -- casing	ok	Established circulation, 500 lpm / 32 bars. Up/down weight 245/187 MT. Landed 18 3/4" WH into 30" conductor by setting down casing string weight plus 5 MT of landing string weight and engaged lock ring. Performed pull test to 25 MT over total casing and landing string weight.
19:30	23:30	1368.4	drilling -- casing	ok	Kept landing string in tension with an overpull of 3 MT while circulating. Establish circulation carefully in steps with SW through top drive to 2300 lpm 23 bars. Observed returns from F-5. RO V surfaced and picked up 4 conductor plugs, dived and installed conductor plug after having pumped 166 m ³ of SW. Circulated 1 x casing volume (220 m ³). Returns up F-15. Pressure tested the cement line to 200 bars 10 mins. Meanwhile held tool box talk prior to perform cement operation of 20" casing.
23:30	00:00	1368.4	drilling -- casing	ok	Commenced cementing Lead slurry, 1.52 SG of 20" casing, 1300 lpm 32 bars. Released preloaded ball (1 3/4") for bottom wiper plug.

Drilling Fluid

Sample Time	08:30
Sample Point	Reserve pit
Sample Depth mMD	1378
Fluid Type	Spud Mud
Fluid Density (g/cm3)	1.4
Funnel Visc (s)	138
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	1378		1.03	estimated

Casing Liner Tubing

Start Time	
End Time	
Type of Pipe	Casing
Casing Type	
Outside diameter (in)	20
Inside diameter (in)	18.73
Weight (lbm/ft)	133
Grade	N-80
Connection	TenarisER
Length (m)	1228.7
Top mMD	139.7
Bottom mMD	1368.4
Description	
Comment	