Summary report

Wellbore: 15/9-F-14 **Period: 2008-06-17 00:00 - 2008-06-18 00:00**

Status:	normal
Report creation time:	2018-05-03 13:52
Report number:	63
Days Ahead/Behind (+/-):	13.3
Operator:	StatoilHydro
Rig Name:	MÆRSK INSPIRER
Drilling contractor:	Mærsk Contractors
Spud Date:	2007-11-04 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:	2008-06-15

Dist Drilled (m):	-999.99
Penetration rate (m/h):	-999.99
Hole Dia ():	
Pressure Test Type:	formation integrity test
Formation strength (g/cm3):	1.56
Dia Last Casing ():	

Depth at Kick Off mMD:	
Depth at Kick Off mTVD:	
Depth mMd:	3750
Depth mTVD:	3158.5
Plug Back Depth mMD:	
Depth at formation strength mMD:	2788
Depth At Formation Strength mTVD:	2728.4
Depth At Last Casing mMD:	3695
Depth At Last Casing mTVD:	3123.4

Summary of activities (24 Hours)

Set the liner hanger at 2616. Circulated and cement 7" liner. Set packer. Circulated out excess cement. Released running tool, circulated and POOH. LD liner hanger running tool. Ran in with BOP/Surface well head clean out assy. and started cleaning the BOP/Surface well head.

Summary of planned activities (24 Hours)

Perform BOP cleaning. BOP test. M/U cleanout assy for 7" liner & 7" PBR tieback/top dress mill, RIH on 5 1/2" DP. MU 10 3/4" casing cleanout assy and RIH on 5 1"2" DP.

Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	01:00	2665	drilling -- casing	ok	Continued RIH with 7" line on 5½" DP from 2222m to 2665m. Filled every 5'th stand, duration for filling 10-15min. Trip time 443 m/hour.
01:00	02:00	2665	drilling -- casing	ok	Broke circulation carefully and circulate one liner volume = 21.3 m3, 1300 lpm 48 bars. Took up/down weight 158/140 MT.
02:00	05:30	3685	drilling -- casing	ok	Continued RIH with 7" line on 5½" DP from 2665m to 3685 Filled every 5'th stand, duration for filling 10-15min. Trip time 291/hour. Took weight at 3685m
05:30	06:00	3	drilling -- casing	ok	Made up to TDS. Broke circulation and washed down from 3680m to 3700m. 450 lpm 38 bars. Washed through tight spots at 3685m - 3687m and at 3696m. Pressure increased from 38-68 bar at 3700m.
06:00	06:30	3701	drilling -- casing	ok	Continued washing down from to 3700m. 450 lpm 38 bars. Took 10 mt wt at 3700m. Hole packed off and pump pressure increased from 38 bars to 68 bars.
06:30	09:00	3694	drilling -- casing	ok	Pulled back to 3694m. Circulated well 650 lpm, SPP 40 bars, torque 7-8 kNm. Reciprocated the string during circulation. Evaluated situation with Petek for setting 7" liner shallow to reduce risk and conseqences in continuing working liner to TD..
09:00	09:15	3690	drilling -- casing	ok	Racked back one double. Installed 6 m pup jnt.
09:15	10:00	3690	drilling -- casing	ok	Picked up and installed Cmt head.
10:00	10:15	3690	drilling -- casing	ok	Held tool box talk prior to space out and circulate.
10:15	10:30	3690	drilling -- casing	ok	Displaced Cmt line to drill water.
10:30	11:15	3694	drilling -- casing	ok	Established circulation at 3694m: 1220 lpm, 73 bars, 10 rpm, up weight 150 MT. Simultaneously held tool box prior to perform Cmt job of 7" liner.
11:15	12:00	3695	drilling -- casing	ok	Dropped ball and chased ball with 460 lpm and 22 bars. Ball seated, applied 161 bars to set Weatherford hanger.
12:00	12:15	3695	drilling -- casing	ok	Released RT with 8 right hand turn 5 kNm. Slacked of to 100 MT, pressured up to shear out ball seat with 230 bars.
12:15	12:45	3695	drilling -- casing	ok	Established circulation: 500 lpm - 27 bars, 1000 lpm - 57 bars, 1500 lpm - 108 bars. Reduced flow to 1000 lpm.
12:45	13:30	3695	drilling -- casing	ok	Circulated bottoms up 1490 lpm, 105 bars, 15 rpm and 9-13 kNm torque.
13:30	14:00	3695	drilling -- casing	ok	Pumped 5m³ Base oil - 15m³ spacer - 4m³ OBM.
14:00	14:30	3695	drilling -- casing	ok	Closed IBOP had 11 bars behind IBOP. Opened the Cmt head low torque valve and re-set flag. Released bottom plug.
14:30	15:00	3695	drilling -- casing	ok	Mixed and pumped 22.6m³ cmt. Rotated the string 20 rpm 8-13 kNm. Displaced lines from Cmt unit to Cmt head with 890 litres of fresh water.
15:00	15:45	3695	drilling -- casing	ok	Displaced cmt with mud pumps at 1200 LPM. Plug bumped at 2229 stroks. Pressured up to 150 bars and held for 2 min. Pump efficiency 96%.
15:45	16:00	3695	drilling -- casing	ok	Bled down to 15 bars on stand pipe manifold. Bled back rest to Cmt unit checked for back flow.
16:00	16:15	3695	drilling -- casing	ok	Set packer as per Weatherford instruction. Picked up new pick up weight 150 MT + 4.2 m and slackt of to 100 MT. Observed sheare at 20 MT. Picked up to neutral weight 140 MT.
16:15	17:15	3695	drilling -- casing	ok	Verified line up and pressure tested packer to 310 bars with 1.36 SG OBM. Pumped 1344 litres returns 1305 litres.
17:15	18:00	2616	drilling -- casing	ok	Released RT as per Weatherford instructions. Circulated bottoms up 2000 lpm 87 bars. Reduced pump rate due to spacer and cmt at shakers.
18:00	18:15	2616	drilling -- casing	ok	Installed two sponge balls in string.
18:15	19:30	2616	drilling -- casing	ok	Circulated DP clean up at 2000 lpm 72 bars.
19:30	20:00	2616	drilling -- casing	ok	Flow checked well, well static. Simultaneously held tool box talk prior to lay out Cmt head.
20:00	20:15	2616	drilling -- casing	ok	Pumped 5m³ slug 1.67 SG.
20:15	20:45	2616	drilling -- casing	ok	Cleared and cleaned the rig floor
20:45	22:00	2616	drilling -- casing	ok	Broke out and laid out the Cmt head with 6 pup.
22:00	00:00	1122	drilling -- casing	ok	POOH with 7" line hanger RT 5½" DP from 2616m to 1122m. Trip time 747 m/hour

Drilling Fluid

Sample Time	12:00	22:00
Sample Point	Active pit	Active pit
Sample Depth mMD	3750	3750
Fluid Type	OBM-Standard	OBM-Standard
Fluid Density (g/cm3)	1.36	1.36
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)	27	26
Yield point (Pa)	8	8.5
Filtration tests		
Pm filtrate ()		
Filtrate Lthp ()		
Filtrate Hthp ()		
Cake thickn API ()		
Cake thickn HPHT ()		
Test Temp HPHT (degC)	120	120
Comment		

Casing Liner Tubing

Start Time	
End Time	
Type of Pipe	Casing
Casing Type	
Outside diameter (in)	7
Inside diameter (in)	6.184
Weight (lbm/ft)	29
Grade	13 CrS-110
Connection	Vam TOP HT
Length (m)	1079
Top mMD	2616
Bottom mMD	3695
Description	
Comment	