

Summary report

Wellbore: 15/9-F-12

Period: 2007-08-19 00:00 - 2007-08-20 00:00

Status:	normal
Report creation time:	2018-05-03 13:51
Report number:	68
Days Ahead/Behind (+/-):	
Operator:	Statoil
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 (I):	
Pressure (I):	
Date Well Complete:	2007-08-26

Dist Drilled (m):	-999.99
Penetration rate (m/h):	-999.99
Hole Dia (in):	12.25
Pressure Test Type:	formation integrity test
Formation strength (g/cm3):	1.48
Dia Last Casing (I):	

Depth at Kick Off mMD:	
Depth at Kick Off mTVD:	
Depth mMd:	3114
Depth mTVD:	2864
Plug Back Depth mMD:	
Depth at formation strength mMD:	2506
Depth At Formation Strength mTVD:	2419.5
Depth At Last Casing mMD:	2506
Depth At Last Casing mTVD:	2419.7

Summary of activities (24 Hours)

RIH and installed 9 5/8" liner @ 3113m and top of TSP packer at 2404m. Cemented liner and released from TSP packer. Circulated hole clean. POOH with 5½" DP and running tool F/ 2422m T/1703m.

Summary of planned activities (24 Hours)

POOH with 5½" DP and running tool and L/O running tool. R/D 9 5/8" liner equipment. Perform BOP test. M/U 8½" BHA.

Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	00:30	698	drilling -- casing	ok	Continued RIH with 9 5/8" liner filling every 5th joint F/651m T/ 698m.
00:30	01:15	698	drilling -- casing	ok	Removed FMS and installed master bushing.
01:15	01:30	698	drilling -- casing	ok	Held tool box talk prior to pick up Liner Hanger.
01:30	03:00	712	drilling -- casing	ok	Picked up Liner Hanger and made up same, as per Weatherford procedure.
03:00	04:30	712	drilling -- casing	ok	Rig down casing tong and hydraulic hoses. Cleared rig floor. Installed PS-21 slips.
04:30	06:00	0	drilling -- casing	ok	Continued RIH with 9 5/8" Liner on 5½" DP F/712m T/1033m.
06:00	14:30	3069	drilling -- casing	ok	Continued RIH with 9 5/8" Liner on 5½" DP F/1033m T/3069m, filling every 5th std.
14:30	15:15	3115	drilling -- casing	ok	M/U to TDS and washed down F/3069 m T/ 3115m @ 500 lpm, 10 bars. Tagged bottom at 3115m, took up/down weight 210/145 MT static 156 MT.
15:15	16:00	3115	drilling -- casing	ok	Racked back one stand. Made up cmt head and surface lines.
16:00	16:45	3113	drilling -- casing	ok	Commenced circulation of 1½ open hole volume, 1960 lpm @ 78 bar. Simultaneously held tool box talk prior to cmt job.
16:45	18:00	3113	drilling -- casing	ok	Dropped the ball and set the liner hanger according to Weatherford procedure. Liner hanger set at 2413m, top liner PBR at 2402m. Meanwhile tested cmt line to 345 bars 5 min.
18:00	19:45	3113	drilling -- casing	ok	Circulated 1 bottoms 2500 lpm, rotated string @ 20 rpm, torque 15-18 kNm.
19:45	20:00	3113	drilling -- casing	ok	Pumped 20 m³ of 1.65 SG Tuned Spacer E+ with mud pumps 2500 lpm @ 80-50 bar.
20:00	20:45	3113	drilling -- casing	ok	Lined up to cement unit. Released SSR dart. Started to mix the cement. Not able to add chemicals.
20:45	22:45	3113	drilling -- casing	ok	Troubleshoot and found no communication between chemical injection software and mixing pump. Through phone call to Halliburton in town it was possible to reboot the software system and continue the operation.
22:45	23:30	3113	drilling -- casing	ok	Cemented 9 5/8" liner. Pumped 29.4m³ cement slurry 1.9 SG, 800 lpm @ 30-58 bar. Simultaneously rotated the liner during the cement job 20 rpm. torque 15-18 kNm. Displaced cement line to rig floor with fresh water. Closed Lo-torque valve on cement line. Bottom SSR plug sheared at 75 bar, after 28m³.
23:30	00:00	3113	drilling -- casing	ok	Displaced cement with 51.36 m³ (2341strokes) OBM at 2500 lpm, bumped plug, FCP 52 bar. Wiper plug sheared @ 1181 strokes and 250 bar. Rotated 20 rpm, final torque 20 kNm.

Equipment Failure Information

Start time	Depth mMD	Depth mTVD	Sub Equip - Syst Class	Operation Downtime (min)	Equipment Repaired	Remark
00:00	3113		service equipment -- cementing unit	0	00:00	During mixing of cement, when chemical were supposed to be added. No communication between chemical injection software and mixing pump. Through dialog with Halliburton town the system was re-booted and the job performed.

Drilling Fluid

Sample Time	22:00
Sample Point	Active pit
Sample Depth mMD	3114
Fluid Type	OBM-Standard
Fluid Density (g/cm3)	1.4
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)	28
Yield point (Pa)	12.5
Filtration tests	
Pm filtrate ()	
Filtrate Lthp ()	
Filtrate Hthp ()	
Cake thickn API ()	
Cake thickn HPHT ()	
Test Temp HPHT (degC)	120
Comment	

Casing Liner Tubing

Start Time	12:45
End Time	13:00
Type of Pipe	Liner
Casing Type	Production
Outside diameter (in)	9.625
Inside diameter (in)	8.535
Weight (lbm/ft)	53.5
Grade	13 Cr-80
Connection	Vam TOP
Length (m)	708.6
Top mMD	2404.4
Bottom mMD	3113
Description	Running of liner hanger assy
Comment	