

Summary report

Wellbore: 15/9-F-15 A

Period: 2008-12-18 00:00 - 2008-12-19 00:00

Status:	normal
Report creation time:	2018-05-03 13:52
Report number:	8
Days Ahead/Behind (+/-):	
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)

Made up Tesco tool. Ran 13 3/8" casing from 1359 m to 1912 m MD. Had problems to align casing joints with PRS pick up tool. Encountered tight spots at 1467, 1532 and 1719 m MD. Cleaned hole at 1532 m MD.

Summary of planned activities (24 Hours)

Run 13 3/8" casing from 1912 m to 2445 m MD. Remove Tesco tool. Pick up and make up 13 3/8" hanger. Rig down casing running equipment. Run and land 13 3/8" casing and cement same. Set seal assembly.

Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	00:15	1035	drilling -- casing	ok	Took time out for safety brief. Shot pictures to document incident.
00:15	03:45	1359	drilling -- casing	ok	Ran 13 3/8" - P110 - 72# casing from 1035 m to 1359 m MD. Filled every 5th joint with 1,43 sg OBM. Running speed 7-8 jnts/hr.
03:45	04:00	1359	drilling -- casing	ok	Held toolbox talk for rigging Tesco casing running equipment. Lined up well to triptank -well static.
04:00	06:00	1359	drilling -- casing	ok	Removed elevator. Brought Tesco frame to well center. Not able to stab circulating packer into 13 3/8" casing. Rigged up DP elevator to apply more force on packer - still not able to enter 13 3/8" circulation packer in 13 3/8" casing. Secured frame for making up TDS.
06:00	07:00	1359	drilling -- casing	ok	Secured Tesco tool with slings and tuggers. Connected TDS to Tesco tool. Sat down weight to enter circulation packer into 13 3/8" casing.
07:00	07:15	1359	drilling -- casing	ok	Held toolbox talk / handover meeting.
07:15	09:30	1359	drilling -- casing	ok	Made up Tesco tool with torque wrench. Hooked up hydraulic and pneumatic controls on Tesco tool. Function tested tool, ok.
09:30	10:15	1359	drilling -- casing	ok	Broke circulation at shoe and stepped up pumps to 1500 lpm / SPP 11,5 bar. Pumped 38 m3 whilst moving rollers on HTS.
10:15	11:00	1371	drilling -- casing	ok	Ran 13 3/8" P110 72# casing from 1359 m to 1371 m MD. Not able to align/stab casing joint correctly when picking up with PRS pick up tool (FJE).
11:00	12:15	1371	interruption -- other	ok	Not able to stab to stab casing correctly. Crossed threads, negative make up. Backed out joint. Cleaned, inspected and refurbished threads.
12:15	16:00	1467	drilling -- casing	ok	Ran 13 3/8" P110 72# casing from 1371 m to 1467 m MD. Running speed 2 jnts/hr, restricted by alignment/stabbing problems when using PRS pick up tool.
16:00	17:15	1467	drilling -- casing	ok	Encountered tight spot at 1467 m MD. Broke circulation. Set down 25 MT. Applied 3 rpm within 15 kNm limit. Passed restriction.
17:15	18:00	1476	drilling -- casing	ok	Reciprocated string between 1469 m and 1476 m MD.
18:00	19:00	1500	drilling -- casing	ok	Ran 13 3/8" P110 72# casing from 1476 m to 1500 m MD. Encountered tight spot at 1481 m MD. Stepped up pumps to 900 lpm. Applied 3 rpm within 15 kNm limit. Worked restriction every 12 m indicating centralizers hanging up in shoe or kick off area. Max set down weight 25 MT. Set casing joint in foxhole prior to making 2nd grip with PRS pick up tool - this method seemed to make the stabbing more accurate.
19:00	20:30	1532	drilling -- casing	ok	Ran 13 3/8" P110 72# casing from 1500 m to 1532 m MD. Worked restriction every 12 m within set limits.
20:30	21:45	1532	drilling -- casing	ok	Encountered tight spot at 1532 m MD. Not able to pass with 25 MT setback weight. Worked string several times in attempt to pass restriction. Pumped at 1000 lpm / 10 bar and rotated 5 R PM within 15 kNm limit. Increased set down weight to 30 MT and passed restriction. Observed pack off / rapid pressure build up to 20 bar - shut down pumps.
21:45	23:30	1532	drilling -- casing	ok	Staged up pumps in increments to 1500 lpm. Observed SPP dropping after a period of pumping at each stage. 500 lpm stabilized pressure of 12 bar. 1500 lpm stabilized pressure of 18 bar. Circulated bottoms up - no significant returns on shakers.
23:30	00:00	1556	drilling -- casing	ok	Ran 13 3/8" P110 72# casing from 1532 m to 1556 m MD. Filled casing string on every 5th joint run. No excessive drag in hole.

Drilling Fluid

Sample Time	15:00	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)	29	29
Yield point (Pa)	9.5	10
Filtration tests		
Pm filtrate ()		
Filtrate Lthp ()		
Filtrate Hthp ()		
Cake thickn API ()		
Cake thickn HPHT ()		
Test Temp HPHT (degC)	120	120
Comment		