

Summary report

Wellbore: 15/9-F-15 A

Period: 2008-12-20 00:00 - 2008-12-21 00:00

Status:	normal
Report creation time:	2018-05-03 13:52
Report number:	10
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)

POOH with 13 3/8" csg on 5 1/2" HWDP from 2579 m to 2417 m. LO 2 joints of csg. RIH with 13 3/8" csg on 5 1/2" HWDP from 2417 m to 2557 m. Picked up cmt head. Landed 13 3/8" casing at 2562 m. Circulated and pumped cement.

Summary of planned activities (24 Hours)

Displace cement. Pressure test csg to 345 bar with 1.43 sg OBM. LD cmt head. Set seal assembly. Pressure test seal and riser to 345 bar. Release PADPRT and POOH. RIH and install wear bushing. POOH. Pressure test BOP and well to 345 bar with 1.43 sg mud. Start to MU and RIH with 12 1/4" clean out assembly.

Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	06:00	2577	drilling -- casing	ok	Worked 13 3/8" csg down from 2572 m to 2577 m MD with circulation of 1500-2300 lpm / 28-35 bar and max 30 MT weight added at approx 1 m/hr. Observed a significant amount of cuttings in return. Up weight 295 MT/ down weight 223 MT.
06:00	08:00	2579	drilling -- casing	ok	Worked 13 3/8" csg down from 2577 m to 2579 m MD with circulation of 2300 lpm / 30 bar and max 30 MT weight. Decreasing progress towards 2579 m. Observed rapid pressure increase when taking weight until 2579 m, where no pressure increase was seen. Unable to pass 2579 m with max 40 MT. Up weight 295 MT/ down weight 223 MT.
08:00	09:15	2538	drilling -- casing	ok	POOH with 13 3/8" P110 72# casing from 2579 m to 2538 m MD on 5 1/2" HWDP while circulating at 400 lpm / 5 bar. Observed rapid pressure increase to 35 bar and shut off pump at 2538 m. Meanwhile changed head on PDM.
09:15	14:45	2538	drilling -- casing	ok	Attempted to free 13 3/8" csg by working string down, but pressure did not bleed off. Worked string with 35 MT upwards and 45 MT downwards. Pressure dropped off while working pipe upwards. Pumped 100 lpm while working pipe upwards (pressure increase when stopped pumping) and regained circulation at 2504 m. Staged up pumps to 2300 lpm / 27 bar.
14:45	17:30	2417	drilling -- casing	ok	Continued POOH with 13 3/8" P110 72# casing from 2538 m to 2449 m MD on 5 1/2" HWDP while circulating at 2300 lpm / 28 bar. Pulled master bushings. Installed csg tong. RB casing hanger assembly. Changed to BX-elevator.
17:30	18:30	2449	drilling -- casing	ok	POOH and LD 13 3/8" csg joint #69 and #70.
18:30	21:00	2426	drilling -- casing	ok	Changed to 5 1/2" elevator. PU and MU csg hanger assy. RIH with csg hanger below rotary 2417 m to 2426 m. Staged up pumps to 2300 lpm / 20 bar and established circulation whilst removing csg tong.
21:00	23:15	2557	drilling -- casing	ok	RIH with 13 3/8" P110 72# casing from 2426 m to 2557 m MD on 5 1/2" HWDP while circulating at 2300 lpm / 28 bar. Up weight 290 MT/ down weight 222 MT.
23:15	23:45	2557	drilling -- casing	ok	PU and MU cmt head.
23:45	00:00	2558	drilling -- casing	ok	Attempted to RIH and land 13 3/8" csg. Had 25 MT drag at 2558 m.

Drilling Fluid

Sample Time	08:00	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)	10.5	10

Filtration tests		
Pm filtrate ()		
Filtrate Lthp ()		
Filtrate Hthp ()		
Cake thickn API ()		
Cake thickn HPHT ()		
Test Temp HPHT (degC)	120	120
Comment		