Summary report

Wellbore: 15/9-F-15 **Period: 2008-11-24 00:00 - 2008-11-25 00:00**

Status:	normal
Report creation time:	2018-05-03 13:52
Report number:	51
Days Ahead/Behind (+/-):	14.9
Operator:	StatoilHydro
Rig Name:	MÆRSK INSPIRER
Drilling contractor:	Maersk Drilling
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):	8.5
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:	3670
Depth mTVD:	2910
Plug Back Depth mMD:	
Depth at formation strength mMD:	1381
Depth At Formation Strength mTVD:	1349
Depth At Last Casing mMD:	2534
Depth At Last Casing mTVD:	2348.8

Summary of activities (24 Hours)

Conditioned mud weight to 1.35 SG. Attempted to stage up pump rate. average losses 3½ m³/hour @ 1300 lpm.
Conditioned mud weight to 1.32 SG. Flow checked. POOH to 2922m and spotted 10.2 m³ LCM pill. Started to POOH from 2922m to 2655m.

Summary of planned activities (24 Hours)

Continue to POOH to 2649m. Establish loss free pump rate at 1700 lpm. RIH and start drilling 8½" hole.

Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	00:30	3632	drilling -- circulating conditioning	ok	Continued to establish pump rate - 1500 l/m and 80 rpm with losses, 3-4 m³/h.
00:30	02:15	3660	drilling -- survey	ok	RIH while logging from 3626 m to 3660m at 20 m/hour, 80 rpm, 1500 l/m, max ECD 1.46 sg EMW. Losses increased to 8m³/hour and SPP picked up. Mud weight in return uneven, max 1.38 SG.
02:15	06:00	3660	drilling -- circulating conditioning	ok	Conditioned the mud weight to 1.35 SG with 800-1000 l/m, 52-62 bars SPP, 10 rpm.
06:00	07:00	3660	drilling -- circulating conditioning	ok	Conditioned the mud weight to 1.35 SG with 800 l/m, 52 bars SPP, 10 rpm.
07:00	09:00	3660	drilling -- circulating conditioning	ok	Continued to condition mud, attempted to stage up pump rate. Monitored for losses, average losses 3½ m³/hour @ 1300 lpm.
09:00	11:30	3660	drilling -- circulating conditioning	ok	Lined up pit #13 & pump 8½ m³ LCM pill. Staged up flow rate to 1300 lpm & monitored loss rate. Circulated LCM pill out of hole to skips. Average losses 3½ m³. Meanwhile prepared equipment for pulling wet.
11:30	14:00	3660	drilling -- circulating conditioning	ok	Flow checked well, observed rapid increase to Trip Tank, shut in well on upper rams, monitored pressure built up SIDP 0bar (float installed), SICP 6,7 bars. 11:50 bled off approx 1m³ from well and closed in, SICP 5,0 bar - no pressure built up. 12:18 bled off additional 2.75 m³ from well and closed in, SICP 3,2 bars - no pressure built up. As no pressure built up to original SICP was observed, conclusion is supercharged formation. Continued to bleed off from well, observed decreasing trend in flow back and decided to open BOP. Total volume bled back from well: 4½ m³.
14:00	19:00	3660	drilling -- circulating conditioning	ok	Flushed across BOP prior to open up pipe ram. Broke circulation, staged up to 20 RPM, staged up mud pumps to 800lpm. Decided to cut mud weight. Bled into active to reduce mud weight to 1.32 SG. Circulated to even mud weight. Total losses approx. 5½ m³.
19:00	20:45	3640	drilling -- circulating conditioning	ok	Continued to circulate and condition mud to even mud weight 1.32 SG.
20:45	21:00	3640	drilling -- circulating conditioning	ok	Stopped pumps and monitored return flow. Active volume increased 2.45 m³ when pumps turned off.
21:00	23:30	3640	drilling -- circulating conditioning	ok	Monitored returns on Trip Tank rotating the string 5 rpm. Flow reducing over time. Table below. Time / Actual gain / Gain 21.00-21.15 0.51 m³ 2.04 m³/h 21.15-21.30 0.51 m³ 2.04 m³/h 21.30-21.45 0.20 m³ 0.80 m³/h 21.45-22.00 0.13 m³ 0.52 m³/h 22.00-22.15 0.09 m³ 0.36 m³/h 22.15-22.30 0.08 m³ 0.32 m³/h 22.30-22.45 0.06 m³ 0.24 m³/h 22.45-23.00 0.04 m³ 0.16 m³/h 23.00-23.15 0.03 m³ 0.12 m³/h 23.15-23.30 0.03 m³ 0.12 m³/h
23:30	00:00	3540	drilling -- drill	ok	Started to POOH wet from 3640m to 3540m.

Pore Pressure

Time	Depth mMD	Depth TVD	Equ Mud Weight (g/cm3)	Reading
00:00	3670		1.15	estimated