

Summary report

Wellbore: 15/9-F-10

Period: 2009-04-24 00:00 - 2009-04-25 00:00

Status:	normal
Report creation time:	2018-05-03 13:51
Report number:	19
Days Ahead/Behind (+/-):	8.5
Operator:	StatoilHydro
Rig Name:	MÆRSK INSPIRER
Drilling contractor:	Maersk Drilling
Spud Date:	2009-04-06 06:00
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:	2009-06-03

Dist Drilled (m):	394
Penetration rate (m/h):	-999.99
Hole Dia (in):	17.5
Pressure Test Type:	formation integrity test
Formation strength (g/cm3):	1.6
Dia Last Casing (I):	

Depth at Kick Off mMD:	
Depth at Kick Off mTVD:	
Depth mMd:	1809
Depth mTVD:	1705
Plug Back Depth mMD:	
Depth at formation strength mMD:	1389
Depth At Formation Strength mTVD:	1331.7
Depth At Last Casing mMD:	1388.9
Depth At Last Casing mTVD:	1331.7

Summary of activities (24 Hours)

Drilled and steared 17 1/2" hole from 1567m to 1889m. 4490 l/min, 245 bar, 160 rpm, 12-15 kNm, WOB 3-5 ton, ROP 15-17 m/hr. Simultaneously P/U and build 7 stands of 13 3/8" casing and racked on set back. Malfunction occurred on alignment in FWD PRS. Emergency switch accidently activated during trouble shooting alignment problems on pipe handler. Stop in operation while re-set emergency switch.

Summary of planned activities (24 Hours)

Drilled and steared 17 1/2" hole from 1890m to 2220m according to DD's instructions. Simultaneously build and rack 13 3/8" casing stands on set back.

Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	01:00	1515	drilling -- drill	ok	Drilled from 1495m to 1515m, 4490 l/min, 240 bar, 160 rpm, 9-12 kNm, WOB 2-5 ton, ROP 15-20 m/hr.
01:00	01:15	1516	drilling -- drill	ok	Drilled with reduced ROP, 10 m/hr, due to problems with injection of cuttings.
01:15	03:00	1516	drilling -- drill	ok	Pulled off bottom and circulated, due to problems with cuttings injection. 3500 l/min, 153 bar, 60 rpm, 7-9 kNm. Reciprocated pipe.
03:00	06:00	1567	drilling -- drill	ok	Back on bottom for drilling 17 1/2" hole from 1516m to 1567m. 4490 l/min, 240 bar, 160 rpm, 9-12 kNm, WOB 2-3 ton, ROP 19-20 m/hr. Meanwhile delivered cuttings to skip and trouble shot cuttings injecting system. Observed rubber in cutting pumps.
06:00	11:45	1640	drilling -- drill	ok	Drilled 17 1/2" hole from 1567m to 1640m. 4490 l/min, 240 bar, 160 rpm, 11-13 kNm. WOB 1-4 ton, ROP 10-17 m/hr. Simultaneously P/U and build 2 stands of 13 3/8" casing set back. Malfunction occurred on alignment in FWD PRS. Emergency switch accidently activated during trouble shooting alignment problems on FWD PRS. Stop in operation while re-set (10 min).
11:45	19:00	1734	drilling -- drill	ok	Drilled and steared 17 1/2" hole from 1640m to 1734m. 4490 l/min, 240 bar, 160 rpm, 11-13 kNm. WOB 1-4 ton, ROP 15-17 m/hr.
19:00	00:00	1809	drilling -- drill	ok	Drilled 17 1/2" hole from 1734m to 1809m. 4490 l/min, 245 bar, 160 rpm, 12-15 kNm, WOB 3-5 ton, ROP 15-17 m/hr.

Drilling Fluid

Sample Time	04:00	10:00	17:00	22:00
Sample Point	Flowline	Flowline	Flowline	Flowline
Sample Depth mMD	1530	1601	1711	1781
Fluid Type	OBM-Standard	OBM-Standard	OBM-Standard	OBM-Standard
Fluid Density (g/cm3)	1.51	1.51	1.51	1.51
Funnel Visc (s)	-999.99	-999.99	-999.99	-999.99
Mf (I)				
Pm (I)				
Pm filtrate (I)				
Chloride (I)				
Calcium (I)				
Magnesium (I)				
Ph				
Excess Lime (I)				
Solids				
Sand (I)				
Water (I)				
Oil (I)				
Solids (I)				
Corrected solids (I)				
High gravity solids (I)				
Low gravity solids (I)				
Viscometer tests				
Plastic visc. (mPa.s)	30	31	32	31
Yield point (Pa)	14	15	15.5	16.5
Filtration tests				
Pm filtrate (I)				
Filtrate Lthp (I)				
Filtrate Hthp (I)				
Cake thickn API (I)				
Cake thickn HPHT (I)				
Test Temp HPHT (degC)	120	120	120	120
Comment				

Pore Pressure

Time	Depth mMD	Depth TVD	Equ Mud Weight (g/cm3)	Reading
00:00	1889		1	estimated

Survey Station

Depth mMD	Depth mTVD	Inclination (dega)	Azimuth (dega)	Comment
1553.3	1477.2	26.43	117.32	
1633.8	1549.5	25.65	116.79	
1673.4	1585.3	25.27	116.46	
1714.1	1621.9	26.25	116.02	
1754.5	1657.7	28.6	117.2	
1794.9	1692.9	30.38	118.73	
1835.3	1727.5	32.07	120.84	

Stratigraphic Information

Depth to Top of Formation mMD	Depth to Top of Formation mTVD	Description
1235	2276	Hordaland Gp

Lithology Information

Start Depth mMD	End Depth mMD	Start Depth mTVD	End Depth mTVD	Shows Description	Lithology Description
1550	1850	1473.8	1740.4		Claystone with minor Limestone stringers

Gas Reading Information

Time	Class	Depth to Top mMD	Depth to Bottom MD	Depth to Top mTVD	Depth to Bottom TVD	Highest Gas (%)	Lowest Gas ()	C1 (ppm)	C2 (ppm)	C3 (ppm)	IC4 (ppm)	IC5 (ppm)
00:00	drilling gas peak	1706		1587.6		.95		5930	15	5	3	9
00:00	drilling gas peak	1831		1723.8		.76		7515	17	6	4	7