

Summary report

Wellbore: 15/9-F-10

Period: 2009-04-25 00:00 - 2009-04-26 00:00

Status:	normal
Report creation time:	2018-05-03 13:51
Report number:	20
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 ():	
Pressure ():	
Date Well Complete:	2009-06-03

Dist Drilled (m):	295
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 ():	

Depth at Kick Off mMD:	
Depth at Kick Off mTVD:	
Depth mMd:	2104
Depth mTVD:	1931.5
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 steered 17 1/2" hole from 1889m to 2179m. Had 2.5 hrs stop to clear CRI system and cutting conveyors. MU 3 stands of 13 3/8" casing as simultaneous operation.

Summary of planned activities (24 Hours)

Drill and steer 17 1/2" hole from 2179m to 2460m.

Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	03:45	1866	drilling -- drill	ok	Drilled and steered 17 1/2" hole from 1809m to 1866m. 4490 l/min, 250 bar, 160 rpm, 11-13 kNm. WOB 1-4 ton, ROP 15-17 m/hr.
03:45	04:15	1866	drilling -- drill	ok	Picked off bottom, circulated and reciprocated pipe while trouble shooting problems in cutting injection system. 3100 l/min, 140 bar, 60 rpm, 7-9 kNm.
04:15	05:30	1884	drilling -- drill	ok	Drilled and steered 17 1/2" hole from 1866m to 1884m. 4490 l/min, 250 bar, 160 rpm, 11-13 kNm. WOB 1-4 ton, ROP 15-17 m/hr. Cuttings to skip, while cleaning slurry pump.
05:30	06:00	1889	drilling -- drill	ok	Drilled and steered 17 1/2" hole from 1884m to 1889m. 4490 l/min, 250 bar, 160 rpm, 11-13 kNm. WOB 3-4 ton, ROP 15-17 m/hr. Cuttings pump back, injection re-established. P/U and build 5 stands of 13 3/8" casing and racked on set back during last 12 hrs.
06:00	12:00	1970	drilling -- drill	ok	Drilled 17 1/2" hole from 1889m to 1970m. 4490 l/min, 250 bar, 160 rpm, 11-13 kNm. WOB 1-4 ton, ROP 15-17 m hr. Meanwhile MU 13 3/8" csg in stands. 09:00 broke two bolts on flushjoint elevator tilt cylinder. Secured and repaired flush joint elevator.
12:00	19:15	2062	drilling -- drill	ok	Drilled 17 1/2" hole from 1970m to 2062m. 4490 l/min, 253 bar, 160 rpm, 11-13 kNm. WOB 1-4 ton, ROP 15-17 m hr. Plugging i CRI and conveyers. Meanwhile repaired flushjoint elevator on fwd PRS.
19:15	21:45	2062	drilling -- drill	ok	Pulled off bottom due to plugging on CRI and cuttings conveyers. Circulated and reciprocated pipe, 3000 l/min, 125 bar, 60 rpm, 9 kNm while sorting out CRI and conveyers.
21:45	00:00	2104	drilling -- drill	ok	Drilled 17 1/2" hole from 2062m to 2104m. 4490 l/min, 256 bar, 160 rpm, 11-13 kNm. WOB 2-4 ton, ROP 15-17 m hr.

Drilling Fluid

Sample Time	04:30	10:00	16:00	21:30
Sample Point	Flowline	Flowline	Flowline	Flowline
Sample Depth mMD	1861	1944	2030	2049
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 ()				
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)	34	33	27	30
Yield point (Pa)	16	16	15	13.5
Filtration tests				
Pm filtrate ()				
Filtrate Lthp ()				
Filtrate Hthp ()				
Cake thickn API ()				
Cake thickn HPHT ()				
Test Temp HPHT (degC)	120	120	120	120

Comment					
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Pore Pressure

Time	Depth mMD	Depth TVD	Equ Mud Weight (g/cm3)	Reading
00:00	2179		1	estimated

Survey Station

Depth mMD	Depth mTVD	Inclination (dega)	Azimuth (dega)	Comment
1875.8	1761.3	34.57	123.43	
1916	1793.9	37.32	125.83	
2002.1	1859.1	44.04	127.68	
2036.9	1884	44.79	127.31	
2077.1	1912.5	44.92	126.13	
2156.9	1968.9	45.08	125.02	

Lithology Information

Start Depth mMD	End Depth mMD	Start Depth mTVD	End Depth mTVD	Shows Description	Lithology Description
1850	2160	1740.4	1971.7		Claystone with minor Limestone stringer s

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	1913		1791.5		.66		6180	15	6	4	6
00:00	drilling gas peak	2000		1858		.56		5518	13	5	3	4
00:00	drilling gas peak	2099		1924.1		.55		5561	16	5	3	5
00:00	drilling gas peak	2116		1934.5		.63		5838	16	4	3	5