

Summary report

Wellbore: 15/9-F-14

Period: 2008-06-12 00:00 - 2008-06-13 00:00

Status:	normal
Report creation time:	2018-05-03 13:52
Report number:	58
Days Ahead/Behind (+/-):	6.6
Operator:	StatoilHydro
Rig Name:	MÆRSK INSPIRER
Drilling contractor:	Mærsk Contractors
Spud Date:	2007-11-04 00:00
Wellbore type:	
Elevation RKB-MSL (m):	54.9
Water depth MSL (m):	91
Tight well:	Y
HPHT:	Y
Temperature (degC):	92
Pressure (psig):	4387.7
Date Well Complete:	2008-06-15

Dist Drilled (m):	245
Penetration rate (m/h):	-999.99
Hole Dia (in):	8.5
Pressure Test Type:	formation integrity test
Formation strength (g/cm3):	1.56
Dia Last Casing ("):	

Depth at Kick Off mMD:	
Depth at Kick Off mTVD:	
Depth mMd:	3255
Depth mTVD:	2933.6
Plug Back Depth mMD:	
Depth at formation strength mMD:	2788
Depth At Formation Strength mTVD:	2728.4
Depth At Last Casing mMD:	2783.5
Depth At Last Casing mTVD:	2728.3

Summary of activities (24 Hours)

Continued drilling 8½" hole from 3070m to 3335m. Took pressure points, bit depth 3031.7m, 3042.7m, 3056.7m, 3185.7m, 3140.7m, 3203.7m, 3225.7m.

Summary of planned activities (24 Hours)

Drill 8½" hole section from 3335m to 3600m.

Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	01:00	3010	drilling -- drill	ok	As making connection observed gas of 5-7% gas coming back with returns. Circulated down gas to 1 % reciprocating the string, with 1940 lpm, 170 bars, 110 rpm.
01:00	04:45	3070	drilling -- drill	ok	Continued drilling 8½" hole from 3012m to 3070m. Drilling parameters: Flow 1950-2050 lpm / SPP 155-190 bar / String RPM 140-170 / WOB 2-7 MT / TQ 9-12 kNm / RO P 8-32 m/hour / ECD 1.454-1.471 SG / MUD weight 1.35 SG.
04:45	05:00	3053	drilling -- other	ok	Held pit drill. Took SCR 1.35 SG OBM at 3053m. 443 lpm 23 bars. 665 lpm 34 bars. 886 lpm 47 bars.
05:00	05:30	3070	drilling -- survey	ok	Held tool box talk prior to perform pressure points. Simultaneously circulated well clean while reciprocating the pipe.
05:30	06:00	3050	drilling -- survey	ok	Pulled back one stand, racked back same in derrick and prepared for taking pressure points with stethoscope.
06:00	06:30	3018	drilling -- survey	ok	Made up to TDS, correlated depth and positioned bit at 3018m,
06:30	07:00	3032	drilling -- survey	ok	Positioned bit at 3032m and down linked twice, activated the Stethoscop.
07:00	08:30	3056.7	drilling -- survey	ok	Took pressure point: Bit depth 3031.7m, test depth 3006m, pressure 286.63 bars, mobility 32.53 mD. Bit depth 3042.7m, test depth 3017m, pressure 286.94 bars, mobility 164.08 mD. Bit depth 3056.7m, test depth 3031m, pressure 287.07 bars, mobility 1427.08 mD.
08:30	09:00	3056.7	drilling -- survey	ok	Down linked and deactivated the Stethoscope. Took survey prior to continue drilling ahead.
09:00	17:30	3214	drilling -- drill	ok	Continued drilling 8½" hole from 3070m to 3214m. Drilling parameters: Flow 1950-2060 lpm / SPP 170-180 bar / String RPM 170 / WOB 4-5 MT / TQ 10-15 kNm / ROP 1 0-28 m/hour / ECD 1.47-1.48 SG / MUD weight 1.35 SG. Meanwhile rigged up 7" casing long for making up casing in stands.
17:30	18:15	3185.7	drilling -- survey	ok	Down linked and deactivated Stethoscop. Reciprocated the string while cleaning prior took pressure point. Bit depth 3185.7m, test depth 3160m, pressure 289.6 bars, mobility 4447.27 mD
18:15	19:15	3140.7	drilling -- survey	ok	Racked back one stand and positioned string. Took pressure point. Bit depth 3140.7m, test depth 3115m, pressure 288.69 bars, mobility 272.88 mD
19:15	19:30	3140.7	drilling -- survey	ok	Down linked and deactivated the Stethoscope.
19:30	20:15	3214	drilling -- other	ok	Washed down to bottom from 3114m to 3214m. Flow 1960 lpm / SPP 175 bar / String RPM 25 / TQ 6-9 kNm / ECD 1.474 SG / MUD weight 1.35 SG. Took survey prior to continue drilling ahead.
20:15	22:45	3255	drilling -- drill	ok	Continued drilling 8½" hole from 3214m to 3255m. Drilling parameters: Flow 1960 lpm / SPP 180 bar / String RPM 160 / WOB 4-6 MT / TQ 12-15 kNm / ROP 8-30 m/hour / ECD 1.474-1.485 SG / MUD weight 1.35 SG. Meanwhile transfered tension cylinders and ring down to the seller deck
22:45	23:30	3255	drilling -- survey	ok	Cleaned well prior to take pressure points. Reciprocated the string while cleaning. Parameters: Flow 1960 lpm / SPP 180 bar / String RPM 160 / TQ 9-10 kNm / ECD 1.474 SG / MUD weight 1.35 SG. Racked back one stand.
23:30	00:00	3203.7	drilling -- survey	ok	Positioned string. Started taking pressure point at 3203.7m.

Drilling Fluid

Sample Time	04:00	11:00	17:00	22:00
Sample Point	Flowline	Active pit	Flowline	Flowline
Sample Depth mMD	3057	3095	3206	3249
Fluid Type	OBM-Standard	OBM-Standard	OBM-Standard	OBM-Standard
Fluid Density (g/cm3)	1.35	1.35	1.35	1.35
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)	25	29	26	27
Yield point (Pa)	10	10	11.5	9
Filtration tests				
Pm filtrate ()				
Filtrate Lthp ()				
Filtrate Hthp ()				
Cake thickn API ()				
Cake thickn HPHT ()				
Test Temp HPHT (degC)	120	120	120	120
Comment				

Pore Pressure

Time	Depth mMD	Depth TVD	Equ Mud Weight (g/cm3)	Reading
00:00	3000.5		1.04	measured

Survey Station

Depth mMD	Depth mTVD	Inclination (dega)	Azimuth (dega)	Comment
3072.8	2888.5	69.7	71.1	
3112.4	2901.5	71.9	73.97	
3153.5	2913.3	74.71	74.92	
3193.7	2922.9	77.75	78.46	
3233.2	2930.2	80.75	81.97	
3273.3	2936.6	81.08	85.25	

Log Information

Run No	Service Company	Depth Top mMD	Depth Bottom mTVD	Tool	BHST (degC)
101	Schlumberger	2788	3750	STETHSCOPE - ECOSCOPE - ISONIC6 - TELESC	-999.99

Stratigraphic Information

Depth to Top of Formation mMD	Depth to Top of Formation mTVD	Description
3208	2925.5	Sleipner Fm

Lithology Information

Start Depth mMD	End Depth mMD	Start Depth mTVD	End Depth mTVD	Shows Description	Lithology Description
3070	3216	2888.1	2927.5		Sandstone with traces of limestone, claystone and rarely coal
3070	3300	0	0	pchy(60-80%) bri gn/wh dir fluor; inst-slo strmg bri gn/wh cut fluor; no vis cut; pl gn/wh fluor res, no vis res	
3216	3318	2927.5	2943.4		Sandstone with traces of coal and claystone

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	3080		2890.5		8.89		56036	4518	2018	138	87
00:00	drilling gas peak	3103		2897.9		10.61		63540	5298	2426	166	102
00:00	drilling gas peak	3160		2914.6		14.23		77479	5446	2552	186	123
00:00	drilling gas peak	3200		2923.7		9.87		60175	5182	2560	190	131
00:00	drilling gas peak	3236		2930.1		3.76		24327	1981	941	77	69
00:00	drilling gas peak	3290		2936.7		5.62		36548	3104	1448	104	71