

Summary report

Wellbore: 15/9-F-15

Period: 2008-11-18 00:00 - 2008-11-19 00:00

Status:	normal
Report creation time:	2018-05-03 13:52
Report number:	45
Days Ahead/Behind (+/-):	
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 (I):	
Pressure (I):	
Date Well Complete:	2008-12-11

Dist Drilled (m):	129
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 (I):	

Depth at Kick Off mMD:	
Depth at Kick Off mTVD:	
Depth mMd:	3180
Depth mTVD:	2701.8
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)

Circulated 2.5 btms up to clean hole. Logged out of hole from 3081 m to 3060 m. POOH with 8 1/2" BHA from 3060 m to 3010 m (bit depth). Performed stick test 5/15 min at 3010 m. Pulled up and took pressure points at 2947 m (probe depth) and 2888 m MD (probe depth). RIH with 8 1/2" BHA from 2948 m to 3090 m. Continued drilling 8 1/2" hole from 3090 m to 3272 m MD.

Summary of planned activities (24 Hours)

Drill 8 1/2" hole from 3272 m to 3670 m.

Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	01:45	3058	drilling -- drill	ok	Drilled 8 1/2" hole from 3051 m to 3058 m. Parameters: Flow 2000 lpm / SPP 188-209 bar / String RPM 100 / Bit RPM 254 / TQ 12-15 kNm / 6-12 MT WOB / ECD 1.39-1.40 EMW / ROP 4 m/hr. MUD weight 1.30 SG. Had stick slip of more than 200%.
01:45	03:15	3070	drilling -- drill	ok	Worked with string rpm, ROP and WOB while drilling ahead from 3058 m to 3070 m to reduce stick slip. Parameters: Flow 2000 lpm / SPP 195-220 bar / String RPM 80-100 / Bit RPM 219-254 / TQ 11-20 kNm / 6-14 MT WOB / ECD 1.40 EMW / ROP 2-20 m/hr. MUD weight 1.30 SG. Observed 0.49% connection gas. Stick slip was found to be constant at 190% regar dless of rpm, WOB and ROP.
03:15	05:00	3090	drilling -- drill	ok	Drilled 8 1/2" hole from 3070 m to 3090 m. Parameters: Flow 2000 lpm / SPP 197-210 bar / String RPM 100 / Bit RPM 254 / TQ 12-16 kNm / 10-12 MT WOB / ECD 1.40 EMW / ROP 1 0-15 m/hr. MUD weight 1.30 SG. Observed 0.34 connection gas.
05:00	06:00	3088	drilling -- circu lating conditio ning	ok	Circulated btms up while reciprocating pipe to clean hole before POOH to take pressure point. Flow 2000 lpm / SPP 186 bar / String RPM 100 / Bit RPM 254 / TQ 12 kNm. MUD weight 1.30 SG.
06:00	08:00	3081	drilling -- circu lating conditio ning	ok	Continued circulating 2.5 x btms up while reciprocating pipe to clean hole before POOH to take pressure point. Flow 2000 lpm / SPP 178 bar / String RPM 100 / Bit RPM 254 / TQ 11-1 4 kNm. MUD weight 1.30 SG.
08:00	09:30	3060	formation eval uation -- log	ok	Held tool box meeting prior to performing logging and taking pressure points. Logged out of hole from 3081 m to 3060 m at 20 m/hr. Up weight 155 MT / Down weight 123 MT.
09:30	10:15	3010	formation eval uation -- log	ok	POOH with 8 1/2" BHA from 3060 m to 3010 m.
10:15	11:00	3010	formation eval uation -- log	ok	Performed stick test at 3010 m with pumps on, Flow 2000 lpm / SPP 176 bar. Pulled up to 3006 m and took first pressure point at 2608 m TVD (probe depth), Flow 2000 lpm / SPP 221 bar. Formation pressure was 0.86 SG.
11:00	11:30	2946	formation eval uation -- log	ok	POOH with 8 1/2" BHA from 3006 m to 2947 m. Up weight 157 MT / Down weight 122 MT.
11:30	12:45	2946	formation eval uation -- log	ok	Took second pressure point at 2583 m TVD (probe depth), Flow 2000 lpm / SPP 218 bar. Performed down link. Formation pressure was 0.86 SG.
12:45	13:30	3083	formation eval uation -- log	ok	RIH with 8 1/2" BHA from 2946 m to 3083 m.
13:30	14:00	3090	drilling -- drill	ok	Established drilling parameters prior to drilling ahead. Washed down from 3083 m to 3090 m, Flow 1100 lpm / SPP 66-71 bar.
14:00	00:00	3180	drilling -- drill	ok	Drilled 8 1/2" hole from 3090 m to 3180 m. Flow 1800-2000 lpm / SPP 171-214 bar / String RPM 100-160 / Bit RPM 254-299 / TQ 13-24 kNm / WOB 7-15 MT / ECD 1.40 EMW / ROP 1 0-24 m/hr. MUD weight 1.30 SG.  Performed fingerprint measurements while drilling from 3090 m to 3097 m at 14:30 - 16:00 and from 3168 m to 3183 m at 23:00 - 00:30.

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 (I)	C1 (ppm)	C2 (ppm)	C3 (ppm)	IC4 (ppm)	IC5 (ppm)
00:00	connection gas	3084		2659.9		.35		3129	110	19	2	3
00:00	connection gas	3124		2673.8		.19		1640	65	13	2	2
00:00	connection gas	3165		2687.5		.18		1640	61	13	2	2
00:00	connection gas	3205		2700.3		.12		1088	41	11	2	2