

Summary report

Wellbore: 15/9-F-10

Period: 2009-06-05 00:00 - 2009-06-06 00:00

Status:	normal
Report creation time:	2018-05-03 13:51
Report number:	61
Days Ahead/Behind (+/-):	28.4
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):	-999.99
Penetration rate (m/h):	-999.99
Hole Dia ():	
Pressure Test Type:	formation integrity test
Formation strength (g/cm3):	1.55
Dia Last Casing ():	

Depth at Kick Off mMD:	
Depth at Kick Off mTVD:	
Depth mMD:	3240
Depth mTVD:	
Plug Back Depth mMD:	
Depth at formation strength mMD:	3439
Depth At Formation Strength mTVD:	2654
Depth At Last Casing mMD:	3441
Depth At Last Casing mTVD:	2654

Summary of activities (24 Hours)

Circulated and conditioned mud while mixing cement spacer. Mixed, pumped and displaced 12,7m3 1,90 sg cement from 5331m to 5100m MD. Pulled to 3795m MD, spotted 30m3 Hi-Vis pill. Pulled to 3495m MD, circulated B/U, Hi-Vis in return. Dropped and pumped CST, pulled to 3490m MD, mixed, pumped and displaced 10,2m3 1,92 sg "G" cement from 3490m to 3240m MD. POOH to 2080m MD. L/D " DP on deck.

Summary of planned activities (24 Hours)

L/D 5" DP on deck. Slip & cut drill line, test cement plug, set EZSV plug at 2560m MD.

Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	00:30	5326	plug abandon -- other	ok	Continued to clean pit and mixing lines. circulated and conditioned mud at 5326m MD, 2400 l/min, 281 bar, 25 rpm, 12-13 kNm.
00:30	01:00	5326	plug abandon -- other	ok	Filled pit with drill water and performed chlorine check prior to start mixing cement spacer. Circulated and conditioned mud at 5326m MD, 2400 l/min, 281 bar, 25 rpm, 12-13 kNm.
01:00	04:45	5326	plug abandon -- other	ok	Mixed cement spacer according to specifications. Simultaneously removed claw from aft PRS. Held toolbox talk prior to cement job. Circulated and conditioned mud at 5326m MD, 2400 l/min, 281 bar, 25 rpm, 12-13 kNm.
04:45	05:15	5326	plug abandon -- trip	ok	Stopped pumps and rotation, took up weight, needed 230 ton to move pipe, than 200 ton up weight. Needed to rotate to come down, 156 ton. No circulation. Performed line test from cement unit to rigfloor 200 bar, 10 min.
05:15	06:00	5326	plug abandon -- other	ok	Mixed cement spacer according to specifications. Circulated with 1000 l/min, 65 bar, 25 rpm, 13-17 kNm.
06:00	07:30	5329	plug abandon -- other	ok	Circulated and conditioned mud at 5329m MD. 1000 l/min, 65 bar.
07:30	07:45	5329	plug abandon -- cement plug	ok	Toolbox talk prior to pump cement plug.
07:45	08:00	5329	plug abandon -- cement plug	ok	Prepared for pumping spacer. Informed engineer and production. cement room had priority for use of air.
08:00	08:15	5329	plug abandon -- cement plug	ok	Pumped 7m3, 320 strokes 1,47 sg spacer, chased with 0,5m3, 23 strokes OBM. 1000 l/min, 68 bar.
08:15	08:45	5329	plug abandon -- cement plug	ok	Mixed and pumped 12,7m3 1,90 sg Silica cement. Displaced to rigfloor with 892 ltr. drill water.
08:45	09:30	5329	plug abandon -- cement plug	ok	Displaced cement down string, 48m3, 2200 strokes. 1900 l/min, 110 bar. Reduced rate at 43m3. 1000 l/min, 75 bar.
09:30	11:30	5010	plug abandon -- trip	ok	Got back pressure in string while pulling out of cement, connected DDM and pumped 6 strokes, 130 l per stand.
11:30	12:00	5010	plug abandon -- trip	ok	Inserted 2 sponge balls, due to back pressure we had to brake first single below DDM.
12:00	12:45	4900	plug abandon -- trip	ok	Pulled from 5010m to 4900m MD, pumped sponge balls through string. 2500 l/min, 290 bar.
12:45	13:00	4900	plug abandon -- cement plug	ok	Flushed stand pipe manifold after cement job.
13:00	15:45	3795	plug abandon -- trip	ok	POOH wet with cement string from 4900m to 3795m MD.
15:45	16:00	3795	plug abandon -- trip	ok	Broke circulation and filled trip tank.
16:00	17:00	3795	plug abandon -- trip	ok	Pumped 30m3, 1370 strokes Hi-Vis pill. 1300 l/min, 97 bar. Displaced Hi-Vis pill with 30,5m3, 1396 strokes. 1986 l/min, 194 bar.
17:00	17:30	3795	plug abandon -- trip	ok	64 bar backpressure in string after displacement of Hi-Vis pill. Bled back 300 ltr. 0 bar.
17:30	19:15	3495	plug abandon -- trip	ok	POOH wet from 3795m to 3495m MD.
19:15	20:45	3495	plug abandon -- cement plug	ok	Established circulation 2750 l/min, 290 bar, 25 rpm, 8-10 kNm. Observed 73 bar with 220 l/min when broke circulation. Meanwhile held toolbox talk prior to cement job. Observed good Hi-Vis return at surface.
20:45	21:00	3495	plug abandon -- cement plug	ok	Broke off double DP and dropped CST.
21:00	22:00	3495	plug abandon -- cement plug	ok	Displaced CST with 1000 l/min, 53 bar. Reduced rate to 500 l/min, 22 bar after 29,6m3, 1355 strokes. When CST enters 3 1/2" DP, observed pressure increase to 26 bar, after 32,7m3, 1492 strokes pumped.
22:00	22:15	3490	plug abandon -- cement plug	ok	Picked up 5m to 3490m MD. pumped 9m3, 410 strokes, 1,47 sg spacer, 1800 l/min, 140 bar.
22:15	22:45	3490	plug abandon -- cement plug	ok	Mixed and pumped 10,3m3 1,92 sg "G" cement. 800 l/min, 30 bar from cement unit.
22:45	23:00	3490	plug abandon -- cement plug	ok	Displaced cement with rig pumps, 2000 l/min, 125 bar, 50 rpm, 6-8 kNm. Reduced rate to 1000 l/min, 29 bar.
23:00	00:00	2951	plug abandon -- trip	ok	POOH with cement string from 3490m to 2951m MD.

Drilling Fluid

Sample Time	03:00	09:00	23:00
Sample Point	Flowline	Flowline	Active pit
Sample Depth mMD	5331	5331	5331
Fluid Type	Environul Yellow	Environul Yellow	Environul Yellow
Fluid Density (g/cm3)	1.34	1.33	1.33
Funnel Visc (s)	-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)	33	33	34
Yield point (Pa)	13.5	13	12
Filtration tests			
Pm filtrate ()			
Filtrate Lthp ()			
Filtrate Hthp ()			
Cake thickn API ()			
Cake thickn HPHT ()			
Test Temp HPHT (degC)	120	120	120
Comment			