

Summary report

Wellbore: 15/9-F-14

Period: 2008-06-20 00:00 - 2008-06-21 00:00

Status:	normal
Report creation time:	2018-05-03 13:52
Report number:	66
Days Ahead/Behind (+/-):	12.7
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 ():	
Pressure ():	
Date Well Complete:	2008-06-15

Dist Drilled (m):	-999.99
Penetration rate (m/h):	-999.99
Hole Dia ():	
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:	3750
Depth mTVD:	3158.5
Plug Back Depth mMD:	3654
Depth at formation strength mMD:	2788
Depth At Formation Strength mTVD:	2728.4
Depth At Last Casing mMD:	3695
Depth At Last Casing mTVD:	3123.4

Summary of activities (24 Hours)

Conditioned mud. Displaced string to baseoil and inflow tested liner. Started well washing. Aborted well washing due to leaking wash pipe. Exchanged wash pipe. Resumed displacement operation, pumped wash pills followed by seawater and packer fluid. Tested casing/liner to 35/345 bar - ok. Flowchecked well. Mixed more packer fluid.

Summary of planned activities (24 Hours)

POOH with cleaning assemblies. Lay down 3 1/2" DP. Pull wear bushing.

Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	01:15	3245	completion -- circulating conditioning	ok	RIH with cleaning assemblies on 5 1/2" DP from 2855 m to 3245 m MD. Tagged obstruction with ~5 MT WOB at 3245 m MD.
01:15	02:00	3250	completion -- circulating conditioning	ok	Made up TDS and broke circulation. Established parameters : Flow 1100 lpm / SPP 130 bar / 20 RPM. RIH and passed tight spot.
02:00	03:15	3583	completion -- circulating conditioning	ok	RIH with cleaning assemblies on 5 1/2" DP from 3250 m to 3583 m MD.
03:15	04:30	3630	completion -- circulating conditioning	ok	Made up TDS. Scraped and washed production packer setting area with 9 5/8" Razor back scraper reciprocating in interval from 2575 m to 2605 m MD. Flow 1700 lpm / SPP 300 bar.
04:30	05:00	3640	completion -- circulating conditioning	ok	Set torque limit to 16 kNm. Took up/down weights 149/130 MT. Established parameters : Flow 800 lpm / SPP 108 bar / 40 RPM. Free rotating torque 6 kNm. RIH and tagge d top of PBR at 2616,6 m MD. Set down 1-2 MT to dress top of PBR. Max torque 8 kNm. Repeated dressing sequence.
05:00	06:00	3635	completion -- circulating conditioning	ok	Picked 5 m off bottom and marked pipe for lowest reciprocation depth. Circulated to clean wellbore and condition mud while reciprocating string. Flow 1760 lpm / SPP 302 bar / 40 rpm.
06:00	08:45	3635	completion -- circulating conditioning	ok	Circulated to clean wellbore and condition mud while reciprocating string. Flow 1780 lpm / SPP 297 bar / 40 rpm. Obtained even mudweight in out 1,37 sg.
08:45	09:00	3640	drilling -- casing	ok	Entered PBR at 2616,5 m. Set well commissioner packer by setting down 12 MT.
09:00	09:45	3640	drilling -- casing	ok	Closed UPR. Lined up to pump in kill line. Pressure tested well commissioner packer from above using mudpumps 70 bar / 10 min - ok.
09:45	10:15	3637	completion -- circulating conditioning	ok	Bled off pressure through choke and opened UPR. Picked up to neutral weight and unset the well commissioner packer. Pulled back 3 m to 3637 m MD. Found guide for die-holder on drillfloor.
10:15	11:00	3637	interruption -- other	ok	Prepared for inspection of torque wrench on TDS. Had to abort due to wind speeds above 34 knots. Evaluated situation and decided to continue operations.
11:00	12:15	3637	drilling -- casing	ok	Displaced DP to 25 m3 to base oil. Chased with 4 m3 seawater. Flow 440-1000 lpm / SPP 36-160 bar. Obtained 127 bar static u-tube pressure.
12:15	12:30	3640	drilling -- casing	ok	Set well commissioner packer by setting down 10 MT on liner top. Bleed off DP pressure to 4 bar and commenced inflow test of 7" liner.
12:30	13:15	3640	drilling -- casing	ok	Inflow tested liner for 50 min. Pressure increased from 4 to 8,8 bar but levelling out towards the end of the test - ok.
13:15	13:30	3634	drilling -- casing	ok	Equalised pressure across packer by applying 125 bar DP pressure. Picked up string 6 m to 3634 m MD to ensure polish mill out of PBR.
13:30	14:00	3634	completion -- circulating conditioning	ok	Lined up for circulating wash pills. Displaced 11 m3 of dope cleaning pill and 6 m3 Hi-vis pill at 1500 lpm / SPP ~275 bar. Observed leakage on TDS wash pipe.
14:00	15:00	3634	interruption -- other	ok	Stopped displacement. SIDPP 136 bar. Discussed situation and way forward.
15:00	15:15	3634	interruption -- other	ok	Held toolbox talk with relevant personnel.
15:15	15:45	3634	interruption -- other	ok	Bled back dope cleaning pill, Hi-vis and base oil as determined by u-tube pressure. Routed returns back to relevant pits.
15:45	19:15	3628	interruption -- other	ok	Racked back stand. Parked TDS and lowered work platform. Changed wash pipe. Inspected die holder on TDS - no parts missing. Meanwhile mixed new well cleaning pills.
19:15	19:30	3634	interruption -- other	ok	Tested TDS/washpipe against IBOP - ok. Picked up stand and RIH to displacement depth. Meanwhile held toolbox talk prior to displacement.
19:30	20:45	3634	completion -- circulating conditioning	ok	Lined up for circulating wash pills. Pumped ~25 m3 base oil, 10 m3 dope cleaner, 30 m3 1,37 sg Hi-vis push pill, 15 m3 Hi-vis soap pill, 10 m3 seawater and 15 m3 Hi-vis soap pill. Flow ~2000 l / SPP 100-200 bar. Took returns of OBM to pits.
20:45	23:30	3634	completion -- circulating conditioning	ok	Displaced wash pills with 180 m3 seawater. Stopped pumping and closed annular. Flushed through choke and kill line by pumping additional 40 m3 seawater. Flow 2200 lpm / SPP ~200 bar. Opened annular.
23:30	00:00	3634	completion -- circulating conditioning	ok	Pumped 1,03 sg packer fluid at 2800 lpm / SPP 297 bar.

Equipment Failure Information

Start time	Depth mMD	Depth mTVD	Sub Equip - Syst Class	Operation Downtime (min)	Equipment Repaired	Remark
00:00	1022		pipe handling equ syst -- elevator	0	00:00	Broken safety chain on DP elevator

Drilling Fluid

Sample Time	12:00	22:00
Sample Point	Active pit	Active pit
Sample Depth mMD	3750	3750
Fluid Type	OBM-Standard	Packer fluid
Fluid Density (g/cm3)	1.36	1.03
Funnel Visc (s)	-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)	27	-999.99
Yield point (Pa)	8	-999.99
Filtration tests		
Pm filtrate ()		
Filtrate Lt_{hp} ()		
Filtrate H_{thp} ()		
Cake thickn API ()		
Cake thickn HPHT ()		
Test Temp HPHT (degC)	120	
Comment		