

Summary report

Wellbore: 15/9-F-12

Period: 2007-07-28 00:00 - 2007-07-29 00:00

Status:	normal
Report creation time:	2018-05-03 13:51
Report number:	46
Days Ahead/Behind (+/-):	
Operator:	Statoil
Rig Name:	MÆRSK INSPIRER
Drilling contractor:	Mærsk Contractors
Spud Date:	2007-03-15 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:	2007-08-26

Dist Drilled (m):	0
Penetration rate (m/h):	-999.99
Hole Dia (in):	17.5
Pressure Test Type:	leak off test
Formation strength (g/cm3):	1.7
Dia Last Casing ():	

Depth at Kick Off mMD:	
Depth at Kick Off mTVD:	
Depth mMD:	2513
Depth mTVD:	2427
Plug Back Depth mMD:	
Depth at formation strength mMD:	1353
Depth At Formation Strength mTVD:	1353
Depth At Last Casing mMD:	1357
Depth At Last Casing mTVD:	1333

Summary of activities (24 Hours)

POOH with 17 1/2" drilling BHA from 1337 m MD to surface. Flowchecked well. Changed bit. Changed ADN, Sonic and ARC tools and made up same. Worked on topdrive.

Summary of planned activities (24 Hours)

RIH with 17 1/2" drilling BHA. Recommence drilling at 2513 m MD and drill to TD prognosed at 2594 m MD.

Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	02:15	1661	drilling -- trip	ok	Continued POOH with 17 1/2" BHA from 1798 m to 1661 m MD pumping at 3500 lpm. Rotated at 40 rpm on 15 MT+ overpull as dictated by hole.
02:15	03:45	1661	drilling -- trip	ok	Due to pack off tendencies at 1661 m MD, increasing ECD > 1.40 and increasing cuttings trend over shakers => Reciprocated and circulated on stand at 4500 lpm / 20 rpm. Decreased ECD from 1.402 to 1.390 with continuous flow of cuttings over shakers.
03:45	05:00	1523	drilling -- trip	ok	Continued to POOH with 17 1/2" drilling BHA from 1661 m to 1523 m MD. Sticky conditions. Pumped at 3500 lpm / Rotation 40 rpm. ECD 1.39-1.40.
05:00	06:00	1439	drilling -- trip	ok	POOH with 17 1/2" drilling BHA from 1523 to 1439 m MD. Sticky conditions. Increased flow rate when pulling to 4500 lpm due to increasing ECD > 1.40. Rotated at 40 rpm.
06:00	07:00	1337	drilling -- trip	ok	POOH with 17 1/2" drilling BHA on 5 1/2" DP from 1439 to 1337 m MD. Sticky conditions. Increased flow rate when pulling to 4500 lpm due to increasing ECD > 1.40. Rotated at 40 rpm.
07:00	09:15	1337	drilling -- trip	ok	Circulated hole clean. Pumped at 4500 lpm. Rotation 30-40 rpm.
09:15	09:45	1337	drilling -- trip	ok	Flowchecked prior to POOH in 20" casing - well static. Pumped 4 m3 slug of 1.55 sg mud.
09:45	10:00	1337	drilling -- trip	ok	POOH with 17 1/2" drilling BHA on 5 1/2" DP from 1337m to 1335 m MD. Tight hole at 1335 m MD when stabilizer entering shoetrack. Unable to pull without swabbing.
10:00	13:30	1035	drilling -- trip	ok	Made up TDS to pipe and continued pulling from 1337 m to 1035 m MD while pumping at 1300-3000 lpm. Rotated as dictated by hole 10-40 rpm. At 1115 m MD increased flow rate to 4000 lpm.
13:30	15:30	800	drilling -- trip	ok	POOH with 17 1/2" drilling BHA on 5 1/2" DP from 1035 m to 800 m MD. No tight spots observed. Pumped 2 m3 slug of 1.55 sg mud.
15:30	16:45	266	drilling -- trip	ok	POOH with 17 1/2" drilling BHA on 5 1/2" DP from 800 m to 266 m MD. Flowchecked prior to POOH with 17 1/2" BHA - well static.
16:45	17:00	163	drilling -- trip	ok	POOH with 17 1/2" drilling BHA on 5 1/2" HWDP from 266 m to 163 m MD.
17:00	17:45	163	drilling -- trip	ok	Held toolbox talk. Removed automatic slip and installed master bushing.
17:45	20:30	38	drilling -- trip	ok	Continued to POOH with 17 1/2" BHA. Racked back drillcollars and jar/intensifier.
20:30	21:00	38	drilling -- trip	ok	With ADN sub in rotary, prepared for handling/removing RA source. Rigged up adapter and transfer shield. Fenced off drilling area. Attempted to remove RA source from ADN - nogo.
21:00	23:00	38	interruption -- repair	ok	Troubleshot situation. RA source seemed to unscrew but was still hanging on threads. No back up transfer shield onboard in case shear pin release. Decided to try to pull RA source with the possible implication that back up ADN tool could not be run.
23:00	23:45	38	interruption -- repair	ok	Pulled RA source using tugger. Source came free, threads seemed to be OK. Transferred RA source to transport container. Planned for picking up backup ADN and backup RA source.
23:45	00:00	0	drilling -- trip	ok	Picked up 17 1/2" drilling BHA and lifted above rotary. Inspected bit. Prepared for breaking bit.

Equipment Failure Information

Start time	Depth mMD	Depth mTVD	Sub Equip - Syst Class	Operation Downtime (min)	Equipment Repaired	Remark
00:00	2486		mud and bulk syst -- mud supply	0	00:00	Mud pumps #2 and #3 out of service.

Bit Record

Run No.	Bit Size	Bit Type	IADC Code	Manufacturer	Hrs Drilled	Start mMD	End mMD	Hole Made (last 24H)	Hours Drilled (last 24H)	Form ROP	Total ROP	Total Hole Made	Total Hrs Drilled
6	17.5 in	RSX616 M	M322	Reed-Hycalog	53.8	1369	1369			21.3	21.3	1144	53.8

Drilling Fluid

Sample Time	04:30	11:00	22:00
Sample Point	Active pit	Active pit	Active pit
Sample Depth mMD	2513	2513	2513
Fluid Type	HPWBM	HPWBM	HPWBM
Fluid Density (g/cm3)	1.35	1.35	1.35
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)	34	-35	45
Yield point (Pa)	12.5	49.5	4
Filtration tests			
Pm filtrate ()			
Filtrate Lthp ()			
Filtrate Hthp ()			
Cake thickn API ()			
Cake thickn HPHT ()			
Test Temp HPHT ()			
Comment			

Pore Pressure

Time	Depth mMD	Depth TVD	Equ Mud Weight (g/cm3)	Reading
00:00	2513		1.05	estimated