

## Summary report

Wellbore: 15-9-19 B

Period: 1997-11-26 00:00 - 1997-11-27 00:00

Status:	normal
Report creation time:	2018-05-03 13:53
Report number:	18
Days Ahead/Behind (+/-):	
Operator:	Statoil
Rig Name:	BYFORD DOLPHIN
Drilling contractor:	
Spud Date:	1997-11-10 00:00
Wellbore type:	
Elevation RKB-MSL (m):	25
Water depth MSL (m):	85
Tight well:	Y
HPHT:	Y
Temperature ():	
Pressure ():	
Date Well Complete:	

Dist Drilled (m):	71
Penetration rate (m/h):	-999.99
Hole Dia (in):	8.5
Pressure Test Type:	leak off test
Formation strength (g/cm3):	1.73
Dia Last Casing ():	

Depth at Kick Off mMD:	2911
Depth at Kick Off mTVD:	
Depth mMD:	3125
Depth mTVD:	2388
Plug Back Depth mMD:	
Depth at formation strength mMD:	
Depth At Formation Strength mTVD:	
Depth At Last Casing mMD:	4643
Depth At Last Casing mTVD:	

### Summary of activities (24 Hours)

WASHED DOWN FROM 2651M TO 2920M. WASHED AND DRILLED SOFT TO FIRM CEMENT FROM 2920M TO 3054M. DRILLED 8 1/2" HOLE FROM 3054M TO 3212M. NO MUD LOSSES.

### Summary of planned activities (24 Hours)

DRILL 8 1/2" HOLE FROM 3212M TO CORE POINT AT +/- 3910M.

### Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	02:30	2150	interruption -- lost circulation	fail	CONTINUED RIH.
02:30	03:30	2150	interruption -- lost circulation	fail	CIRCULATED BOTTOMS UP. MAX. GAS 7%. ECD AT 2000 LPM FROM ANNULAR PRESSURE SUB 1.59 SG EMW (CALCULATED 1.57 SG EMW) ORIENTED MOTOR TO PASS THROUGH WINDOW.
03:30	05:00	2600	interruption -- lost circulation	fail	CONTINUED RIH. NO OBSTRUCTIONS IN HOLE.
05:00	06:00	2651	interruption -- lost circulation	fail	BEGAN WASHING TO BOTTOM FROM 2600 M. 1500 LPM PUMP RATE - NO LOSSES. ECD FROM ANNULAR PRESSURE SUB 1.58 SG EMW. NO GAINS, NO LOSSES OF MUD FOR THE DAY.
06:00	10:00	2920	interruption -- lost circulation	fail	CONTINUED WASHING DOWN FROM 2651M TO 2920M WITH 1500 LPM PUMP RATE.
10:00	13:00	2920	interruption -- lost circulation	fail	EXCESSIVE CUTTINGS AND CAVINGS AT SHAKERS. CIRCULATED UNTIL CUTTINGS VOLUME DECREASED AND ECD REDUCED FROM 1.63 SG TO 1.59 SG . CIRCULATION RATE 1500 LPM - 1000 LPM - 1500 LPM.
13:00	17:30	3054	interruption -- lost circulation	fail	WASHED DOWN TO 2973M. DRILLED SOFT TO FIRM CEMENT 2973M TO 3054M. CIRCULATION RATE 1500 LPM. ECD 1.59-1.60 SG. NO LOSSES.
17:30	21:00	3103	drilling -- drill	ok	DRILLED 8 1/2" HOLE FROM 3054M TO 3103M WHILE STAGING CIRCULATION RATE FROM 1500 LPM TO 1700 LPM. ROP CONTROLLED AT 20 MPH TO AVOID OVERLOADING ANNULUS. TOOK SPR'S.
21:00	21:30	3103	drilling -- drill	fail	CUTTINGS TRANSPORT PIPE TO BAGGING STATION PLUGGED - CLEARED SAME (NOT DUE TO ANY LARGE VOLUME OF CUTTINGS AT THE TIME).
21:30	22:30	3116	drilling -- drill	ok	DRILLED 8 1/2" HOLE FROM 3103M TO 3116M. CONTROLLED ROP AT 20 MPH TO AVOID OVERLOADING ANNULUS. STAGED CIRCULATION RATE UP TO 1700 LPM. ECD 1.59 SG - 1.62 SG. NO LOSSES.
22:30	23:00	3116	drilling -- drill	ok	GAIN OF 0.3 M3 DETECTED - FLOWCHECKED NEGATIVE.
23:00	00:00	3125	drilling -- drill	ok	DRILLED 8 1/2" HOLE FROM 3116M TO 3125M.

### Drilling Fluid

Sample Time	08:00	15:00	23:59
<b>Sample Point</b>			
Sample Depth mMD	3054	3054	3125
Fluid Type	ULTIDRILL	ULTIDRILL	ULTIDRILL
Fluid Density (g/cm3)	1.49	1.49	1.49
Funnel Visc (s)	78	65	78
Mf ()			
Pm ()			
Pm filtrate ()			
Chloride ()			
Calcium ()			
Magnesium ()			
Ph			
Excess Lime ()			
Solids			
Sand ()			
Water ()			
Oil ()			
Solids ()			
Corrected solids ()			
High gravity solids ()			
Low gravity solids ()			
<b>Viscometer tests</b>			
Plastic visc. (mPa.s)	22	33	35
Yield point (Pa)	10.5	9.5	9.5
<b>Filtration tests</b>			

Pm filtrate ()		
Filtrate Ltph ()		
Filtrate Htph ()		
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	3183		1.03	estimated

#### Survey Station

Depth mMD	Depth mTVD	Inclination (dega)	Azimuth (dega)	Comment
3043	2319.1	33.4	158.2	
3071	2342.5	32.9	158.2	
3099	2366	32.9	158.4	
3128	2390.4	33.1	158.5	
3157	2414.7	33.1	159	
3186	2439	32.9	158.7	

#### Stratigraphic Information

Depth to Top of Formation mMD	Depth to Top of Formation mTVD	Description
3039	2315.5	Sele Fm
3122	2385.5	Lista Fm

#### Lithology Information

Start Depth mMD	End Depth mMD	Start Depth TVD	End Depth TVD	Shows Description	Lithology Description
3054	-999.99				CLAYSTONE WITH MINOR LIMSTONE STRINGERS

#### Gas Reading Information

Time	Class	Depth to Top mMD	Depth to Bottom MD	Depth to Top TVD	Depth to Bottom TVD	Highest Gas (%)	Lowest Gas ()	C1 (ppm)	C2 (ppm)	C3 (ppm)	IC4 (ppm)	IC5 (ppm)
00:00	drilling gas peak	3066				1.5		12053	1420	15	-999.99	-999.99
00:00	drilling gas peak	3080				1.4		8579	1329	32	1	-999.99
00:00	drilling gas peak	3091				1.5		9884	1065	20	1	-999.99
00:00	drilling gas peak	3095				1.6		10461	1019	16	1	-999.99
00:00	drilling gas peak	3110				3.9		21854	1585	26	1	-999.99
00:00	drilling gas peak	3115				2.3		19512	1065	20	1	-999.99
00:00	drilling gas peak	3124				1.3		8339	1065	20	-999.99	-999.99
00:00	drilling gas peak	3127				1.4		9608	954	18	-999.99	-999.99
00:00	drilling gas peak	3153				1.5		6106	1551	18	1	-999.99