

Summary report

Wellbore: 15/9-19 B

Period: 1997-11-27 00:00 - 1997-11-28 00:00

Status:	normal
Report creation time:	2018-05-03 13:53
Report number:	19
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):	147
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:	3272
Depth mTVD:	2511
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)

DRILLED 8 1/2" HOLE FROM 3212M TO 3272M. BEGAN LOSING MUD RETURNS.
PIPE STARTED STICKING. WORKED AND JARRED PIPE TO 3241 WHERE NO FURTHER
PROGRESS COULD BE MADE. RIGGED UP TO RUN STRINGSHOT TO BACKOFF PIPE.

Summary of planned activities (24 Hours)

BACKOFF DRILL STRING AND POOH. RIH WITH CEMENT STINGER AND SET SIDE
TRACK PLUG. POOH. P/U STEERABLE DRILLING ASSEMBLY AND RIH.

Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	06:00	3212	drilling -- drill	ok	DRILLED 8 1/2" HOLE FROM 3125M TO 3212M. INCREASED CONTROLLED ROP TO 30 MPH AND STAGED CIRCULATION RATE UP TO 2000 LPM. ECD 1.61-1.62 SG.
06:00	09:30	3268	drilling -- drill	ok	DRILLED 8 1/2" HOLE FROM 3212M TO 3268M AT CONTROLLED ROP OF 20-30 MPH, CIRCULATING RATE OF 2000 LPM. NO ABNORMAL TORQUE OR DRAG INDICATIONS. ECD TENDING TO INCREASE.
09:30	10:30	3268	drilling -- circulating conditioning	ok	CIRCULATED BOTTOMS UP AND UNTIL SHAKERS CLEANED UP AT 2000 LPM. NO LOSSES. ECD DECREASED FROM 1.62 SG TO 1.60 SG.
10:30	11:00	3272	drilling -- drill	ok	DRILLED 8 1/2" HOLE FROM 3268M TO 3272M.
11:00	13:30	3272	interruption - lost circulation	fail	AT 3272 METERS STARTED LOSING MUD AT 20-30 M3/HR. PICKED UP FROM BOTTOM - NO UNUSUAL DRAG. REDUCED PUMP RATE TO 800 LPM. STILL LOSING MUD. QUIT CIRCULATING AND MONITORED ANNULUS ON TRIP TANK. HOLE STAYING FULL. STAGED PUMPS TO 600 LPM WHERE MUD LOSSES RESUMED. RACKED BACK 1 STAND. REDUCED RATE TO 300 LPM WITH FULL RETURNS. MIXED LCM PILL.
13:30	14:00	3248	interruption - lost circulation	fail	WORKED STRING WITH REDUCED PUMP RATE WHILE MIXING LCM PILL. BEGAN EXPERIENCING ERRATIC TORQUE AND LOSSES OF 12 M3/HR. PICKED UP TO 3248M WHERE COMPLETE RETURNS WERE LOST AND PIPE STUCK - NO RETURNS, NO ROTATION, NO RECIPROCACTION POSSIBLE.
14:00	00:00	3241	interruption - fish	fail	ATTEMPTED TO RIH - NO GO. JARRED DOWN WITH NO PROGRESS. JARRED AND WORKED DRILL STRING UP FROM 3248M TO 3241M. INITIALLY ATTAINED ROTATION AND A WINDOW OF A FEW METERS PIPE RECIPROCACTION BUT LOST IT AGAIN. CONTINUED JARRING AND WORKING STRING. HOLE STANDING FULL - NO GAINS, NO LOSSES. ATTEMPTED CIRCULATION WITH NO SUCCESS.

Drilling Fluid

Sample Time	06:43	21:00
Sample Point		
Sample Depth mMD	3219	3125
Fluid Type	ULTIDRILL	ULTIDRILL
Fluid Density (g/cm3)	1.49	1.49
Funnel Visc (s)	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 ()		
Viscometer tests		
Plastic visc. (mPa.s)	34	35
Yield point (Pa)	11.5	9.5
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	3272		1.03	estimated

Survey Station

Depth mMD	Depth mTVD	Inclination (dega)	Azimuth (dega)	Comment
3215	2463.3	32.9	158.8	
3244	2487.6	33.1	158.8	

Stratigraphic Information

Depth to Top of Formation mMD	Depth to Top of Formation mTVD	Description
3208	2457.5	Ty Fm

Lithology Information

Start Depth mMD	End Depth mMD	Start Depth TVD	End Depth TVD	Shows Description	Lithology Description
3183	-999.99				CLAYSTONE WITH MINOR LIMESTONE STRINGERS
3208	-999.99				SANDSTONE WITH CLAYSTONE AND LIMESTONE BEDS

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	3155				1.2		7035	1389	21	-999.99	-999.99
00:00	drilling gas peak	3174				1.3		7237	893	18	-999.99	-999.99
00:00	drilling gas peak	3183				1.5		9079	1190	24	-999.99	-999.99
00:00	drilling gas peak	3204				1.1		8579	1502	16	-999.99	-999.99
00:00	drilling gas peak	3211				1.2		9608	993	19	1	-999.99
00:00	drilling gas peak	3215				1.4		8825	1243	27	-999.99	-999.99
00:00	drilling gas peak	3240				1.2		8811	1138	20	-999.99	-999.99
00:00	drilling gas peak	3254				1.2		8339	1259	13	-999.99	-999.99