

MWD/LWD watchdog sheet (+ for increase, - for decrease)

Date: 4/12/2017

Depth reference: nbsf

C0012N

Depth	DTCO_s	RING_r	RDBA_r	RMBA_r	RSBA_r	RBIT_r	GRRR_r	APRS_c	ATEMP_c	dtorq	dwob	crpm	ROP	MudVo	Comments
3652		-	-	-	-	-	-			+	-				drop of GRRR and RES. SVT
3655							+								GRRR rises to 100 gAPI SVT
3659							+								
3660		-	-	-	-	-	-								
3661							+								GRRR reach 100 gAPI
3662							-								GRRR drop to 75 gAPI
3666							+								GRRR to 90 gAPI
3667		+	+	+	+	+	-								I will skip the change of GRRR between 60~90 gAPI.
3670							-			+	+				
3672							+			-	-				
3673							-				+				
3674							+				-				Back to normal range 60~90 gAPI SVT
3675							+				+				Over 90 gAPI of GRRR.
3676							-				-				
3684							+			-	+				peak of GRRR

Date: 4/12/2012

MWD/LWD watchdog sheet (+ for increase, - for decrease)

Depth reference: m501

COO124

Depth	DTCO_s	RING_r	RDBA_r	RMBA_r	RSBA_r	RBIT_r	GRRR_r	APRS_c	ATEMP_c	dtorg	dwob	crpm	ROP	MudVo	Comments
3685							-			/	+	-			GRRR drops to 45 gAPI SNT
3690													/		ROP drop to 5.97 m/hr SNT
3691							-						+		ROP increasing to 36.73 m/hr SNT
3691.5			+	+	+	-	+				-				SNT
3695.6			-	-	-		+				+				GRRR over reaches 105 gAPI ROP 38.75 m/hr SNT
3699							-				-				GRRR drop to 45 gAPI SNT
3701							+				-				
3702							/				+				
3713							-						-		ROP dropped to ~25 m/hr. Corresponding drop in Gamma
3715													+		ROP return to ~40 m/hr.
3718							+								GR spike to 105 gAPI
3727							+								GR spike to 120 gAPI
3728											+		-		Dwob spiked from ~20 to 75 kN. Corresponding decrease in ROP Stick/slip spike
3737			+				+								High Deep Res and High Gamma.
3745							-				+		-		Spike related to stick-slip

MWD/LWD watchdog sheet (+ for increase, - for decrease)

Date: 5/12/2012

Depth reference: mbsf.

Stick Slip.

C0012H

Depth	DTCO_s	RING_r	RDBA_r	RMBA_r	RSBA_r	RBIT_r	GRRR_r	APRS_c	ATEMP_c	dtorq	dwob	crpm	ROP	MudVo	Comments
3750											+		-		Slight drop in ROP. ↳ 1-2m
3755							(+)								Spike in STICK! variation in GR is small
3767															Temp increase of 1°C! 4 → 5°C. Strange
3778							+								2-3m wide +15 API peak in GR
3784					+	+				+	+		-		
3792													+		Found bottom of hole after pipe connects
3794							-			-	-		-		GR spike to 70 gAPI
3798					+		-			+	+				GR spike to 70 gAPI
3792 -3802					+										sustained high shallow res. DSD calls Breakout!! take
3807			+	++		+				+	+			spike. +	large spike in bit res + deep: 1 → 1.5 ohm 1 → 35 ohm
— 11 —			+	++		+				+	+				med res 1 → 10 ohm MASSIVE.
3827			-				-								
3847							-				+				
3861															spike in surface wob.

S/T

renew

JT.

MWD/LWD watchdog sheet (+ for increase, - for decrease)

Date:

5/12/2012
(DREN)

Depth reference:

mbsf

Shallow

COG12H

Depth	DTCO_s	RING_r	RDBA_r	RMBA_r	RSBA_r	RBIT_r	GRRR_r	APRS_c	ATEMP_c	dtorq	dwob	crpm	ROP5	MudVol	Comments
3854							++				+ minor			-	
3829	+														
3855		~	~	~	~	~	-								
3857		-	-	-	+	-	+				+		+	+	Res. separating slightly.
3829	-														
3860														-	
3831	+ -														DTRAP drops to below 40 us/ft
3841	++														DTCO inc ~ 120 us/ft
3843	-														
3867							-			+	+	±	cov. +	+	Resistivity constant.
3845	+														
3870						+ minor	+					+		-	
3874		-	-	-	-	-	+				-	+	+	-	
3875 3874							-				- +	+		+	Increase in DWOB across 3875

DTCO's
- DTRK
DTRA

MWD/LWD watchdog sheet (+ for increase, - for decrease)

Date: 5/12/2012

Depth reference: mbsf

Stick slip.

COOR2H

Depth	DTCO_s	RING_r	RDBA_r	RMBA_r	RSBA_r	RBIT_r	GRRR_r	APRS_c	ATEMP_c	dtorq	dwob	crpm	ROP	MudVol	Comments
3920		+					+			-	-	-		+	Swab decrease.
3921		-					-				+		+	-	
3923							+			+	-	+	+		
3925				+	+		+	-			-				
3927				-	-	+	+				+	+	+		
3929				+	+		-			+	+	-			
3930				-	-		+					-		+	
3935							+			-	-				Res constant ~ 2.
3938							+				+				
3937							-				+				
3938					-		+			+	-				
3940							-			+	-				approaching pyc conekcion
3942				-	-		-					-		-	
3944						-	-			-	+	+	-	-	

DTCO = DTR-A

MWD/LWD watchdog sheet (+ for increase, - for decrease)

Date: 5/12/2012

Depth reference: mbaf

Shack Slip

CO092H

Depth	DTCO_s	RING_r	RDBA_r	RMBA_r	RSBA_r	RBIT_r	GRRR_r	APRS_c	ATEMP_c	dtorq	dwob	crpm	ROP ⁵	MudVol	Comments
3947		-				-	+			-		+	+	+	
3947.5						+	+					+			
3946												-	-	+	crpm dropped to zero.
3947.							+				+	+	-		
3948						+	+					+	+	+	SWOS v. high, then low.
3949	+	+	+			+	-			+	+		+	+	
3950						-	+			-	-	+		+	
3952			+	+	+	+				+	-	+	-	-	
3954		+				+	+			+	-	-		-	
3955						+	+			+	-	+		+	GR drops across.
3956				-	-		-								
3960						+	+		+	+	-	-	-	-	
3960.5		+	+	+	+	+	-							+	
3962							+				-				

MWD/LWD watchdog sheet (+ for increase, - for decrease)

Date: 5/12/2012

Depth reference: mbsk

Stick Slip

CO02RH

Depth	DTCO_s	RING_r	RDBA_r	RMBA_r	RSBA_r	RBIT_r	GRRR_r	APRS_c	ATEMP_c	dtorq	dwob	crpm	ROP	MudVol	Comments
3963		+	+	+	+	+	-				-	+	+	-	
3965		-		+		-	-				+	+		+	
3967							-				-	-		-	deposition shallow inc. deep, may decrease
3969		-	-	-	-	-	-					+		+	
3970						+	+								
3970.5							+								
3971							-			+	+	-	+	+	
3973		-	-	-	+	-	+			+	+	+	-		
3974					+		-			-	-	+		-	
3975						-	-		-			-		-	-ve spike, because next GR.
3976							+					-	→	+	Res. constant.
3980*							-			+	-	+	+	-	Pipe connection
3981.2							-			+	+		+	+	
3989.88													-		
3990.57													+		

3989.88
3990.57
3990.57

MWD/LWD watchdog sheet (+ for increase, - for decrease)

Date:

5/12/2012

Depth reference:

mbsf

stid/sip

C0012M

Depth	DTCO_s	RING_r	RDBA_r	RMBA_r	RSBA_r	RBIT_r	GRRR_r	APRS_c	ATEMP_c	dtorq	dwob	crpm	ROP	MudVol	Comments
4005.3											+				
4012							-				+			-	
4018.39			-	+	+		-								
4020.8							+						+	-	
4028														+	
4032.8							-				+	-		-	
4037.6							-				-			+	
4040.9							-	+			+	+		-	
4045.1							+					+	+	-	
4046.8												-	-	+	
4051.8				+	+		-					+		+	
4057.2					+		+					+	+		
4059.3							+			-	-	+		-	
4061.6							+			+	+		-		Possible claystone

MWD/LWD watchdog sheet (+ for increase, - for decrease)

Date: Dec. 5, 2012

Depth reference:

mbsf

stick/slip

C0012H

Depth	DTCO_s	RING_r	RDBA_r	RMBA_r	RSBA_r	RBIT_r	GRRR_r	APRS_c	ATEMP_c	dtorq	dwob	crpm	ROP	MudVol	Comments
4065		+	+	+	+	+	+		+		+		-	+	
4067							-				-		+	-	
4069.2			+	+	+	+	-			+	+	-	-		
4071.3		+		+	+		-			+	+	-	-		
4073.4		+	+	+	+	+	-			+	+		-		
4078.7			-	-		-					-		+		
4080.1			+	+		+				+	+		-		
4082.4		-	-			-	-					-	+		
4085.7		-	-	-	-	-							+		
4089.4										-	-		+	-	
4095.5										+	+		-		After pipe connect
4098.5		+	+	+	+	+	+			+	+			+	
4100.6??			-		-		-								
4100						-	-			+	-				
4101						+	+			+	+				GRDA high % GAPL SVT

MWD/LWD watchdog sheet (+ for increase, - for decrease)

Date: Dec 5, 2012

Depth reference:

mbsf

stick/slp

C0012H

Depth	DTCO_s	RING_r	RDBA_r	RMBA_r	RSBA_r	RBIT_r	GRRR_r	APRS_c	ATEMP_c	dtorq	dwob	crpm	ROP	MudVol	Comments (SMT)
4102						/	-			-	/	+	/	+	
4107.13			-	-	-	-	-			+	-	-	+		
4107.37							+			+	-	+			GRRR drops to 20 GAPI
41027			+	+	+	+	-			+	-			-	ROP = 22.55 m/hr GRRR to 15 GAPI
4112.9			+	+	+	+				+	+	+	-	+	ROP = 18.85 m/hr
4113.9			+	+	+	+				-	/		-		ROP = 13.73 m/hr GRRR = 20
4115			+	+	+	+	-			-	/		/	-	ROP = 10.36 m/hr GRRR = 15 9.17 m/hr
4117			+	+	+	+				+	+		-	+	ROP = 9.10 m/hr
4118										-	-		-	-	ROP = 8.68 m/hr
4120			-				+					+		+	ROP = 10.53 m/hr
4127.5							+								ROP = 14.71 m/hr
4124							-						+	+	ROP = 2.57 m/hr
4125							+						-	-	ROP = 10.6 m/hr GRRR = 30
4127.3														+	STICK increasing.
4127.8														-	ROP = 13.48 m/hr

MWD/LWD watchdog sheet (+ for increase, - for decrease)

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Depth reference: mbsf

STICK

C0012H

Depth	DTCO_s	RING_r	RDBA_r	RMBA_r	RSBA_r	RBIT_r	GRRR_r	APRS_c	ATEMP_c	dtorq	dwob	crpm	ROP	MudVol	Comments
4128										+	+		+	-	ROP=11.57 m/hr 15~GRRR=30
4130							-			-	-		-	+	ROP=9.19 m/hr GRRR=15
4132							+					-		+	ROP GRRR=30
4132.6		-	-	-	-	-				-	-	-	+	+	ROP=19.46 m/hr
4134.4		-	-	-	-	-	+			+	+	-	-	+	ROP=17 GRRR=60 gAPI
4135		+	+	+	+	+	+			+	+		⊖	⊖	ROP=10.48
4138							-			-	-	+	+	+	ROP=22.46
4140							-				-	+	-	-	ROP=12.98 GRRR=30 gAPI
4141.8		-	-	-	-	-	+				-	-	+	-	ROP=30 m/hr
4145							-			/	-	-	+	+	ROP=33.23 m/hr GRRR=15 gAPI
4147							+			+	+	-		+	ROP=37.38 m/hr GRRR to 30 API
4149										-	-	-	-	+	ROP=23.51 m/hr
4150						+				+	+	+	-	-	
4151												+	+	-	ROP
4152		+	+	+	+	+	+			+	+	+	+	-	ROP=27.32 m/hr

MWD/LWD watchdog sheet (+ for increase, - for decrease)

C0012H

Date: Dec, 2012

Depth reference: mbsf

STICK

SNT

Depth	DTCO_s	RING_r	RDBA_r	RMBA_r	RSBA_r	RBIT_r	GRRR_r	APRS_c	ATEMP_c	dtorq	dwob	crpm	ROP	MudVol	Comments
4155		-	-	-	-	-	+			-	-	+	-	-	ROP=26m/hr. GRRR=30API
4160		+	+	+	+	+	+				+	-		-	ROP=1273m/hr. GRRR=45
4165		+	+	+	+	+	-			+	+	-	-	-	ROP=15.65m/hr GRRR=15
4170		+	+	+	+	+				+		-		-	GRRR < 15gAPI
4171		+	+	+	+	+				+	+	-	+	+	ROP=21.87m/hr.
4175		-	-	-	-	-					-			+	
4182			+											-	
4185							-								
4188						-	+			+	+	-	+	+	ROP=17m/hr
4190		-	-	+	+	+	+			+	+	-	+	-	
4195		+	+	+	+	+	-			-	-	+		+	ROP=21.52m/hr
4205		-	-	-	-	-	-			+	+	-	-	-	ROP=10
4208		-	-	-	-	-	+			-	-	+	+	-	ROP=15m/hr.
4209.5		-	-	-	-	+	⊙				+				ROP=22.84m/hr
4213		+	+	+	+	+	-				-				ROP=9.35m/hr

6/12 Dec

MudVol ⇒ Shock
 No DTCO available

MWD/LWD watchdog sheet (+ for increase, - for decrease)

Date: 26.12.12

Depth reference: mBRT

Site: C0018B

Depth	DTCO_s	RING_r	RDBA_r	RMBA_r	RSBA_r	RBIT_r	GRRR_r	APRS_c	ATEMP_c	dtorq	dwob	crpm	ROP	MudVol	Comments
3239			+												
3243							+							-	
3243.5							-								
3248						-	-				-				
3257							+				+		-		~38 m/hr dropped from 42 av.
3258							-				-		+		~42 m/hr rop.
3260							-								Inc in SWOB - spike.
3262						+	+								shallow hole
3264						-	-								
3267							-								
3270							-			+		-	vac	-	
3272							-			-		+	vac	+	
3293		-				-	-					+	vac	-	SWOB slightly high returns to low.
3294		+				+	+					-		+	

MudVol = Stick
 No DTRG available

MWD/LWD watchdog sheet (+ for increase, - for decrease)

Date: 26-12-12.

Depth reference: mBRT

Site: C0018B

Depth	DTCO_s	RING_r	RDBA_r	RMBA_r	RSBA_r	RBIT_r	GRRR_r	APRS_c	ATEMP_c	dtorq	dwob	crpm	ROP	MudVol	Comments
3197											+			-	
3199											-			+	
3202							+								
3205		+				+					+				
3206.19		-				-	-								
3209							+								
3211							-								
3226		+	+	+	-	+	-								
3236			+											+	
3237			+				-								prominent drop in GR.
3238 3238			-				+				+				
3239											+		-		
3240											+				
3242											-				

no DTCC available
 mud vol column = stick.

MWD/LWD watchdog sheet (+ for increase, - for decrease)

Date: 26-12-12

Depth reference: mBRT

Site: C0018B

Depth	DTCC_s	RING_r	RDBA_r	RMBA_r	RSBA_r	RBIT_r	GRRR_r	APRS_c	ATEMP_c	dtorq	dwob	crpm	ROP	MudVol	Comments
3295	X						+				+	+		+	
3300		+				+					+	-		+	
3300							-								
3307							+					+		+	
3303							+							-	
3331											+		-	+	ROP building back up after pipe connection.
3332												+		-	
<p>Despite calls for consistency with Exp 338 Group A, DJW refuses to fill out this arbitrary binary notation of depth series data on the grounds that no one will ever find a use for it. Comments on drilling status (e.g. pipe connection) and significant trends or spikes in the logging data will still be recorded in the watchdog book. For those that request "plus-minus data" from this hole, please contact DJW who will be happy to generate a table similar to this (post-cruise) using a short bash script to filter the real-time or memory depth series data.</p>															

④ (assuming he is not ex-communicated for individual thought and use of initiative)

mudvol = stick
no DTG available

MWD/LWD watchdog sheet (+ for increase, - for decrease)

Date: 26-12-12

Depth reference: mBRT.

(orange) (Red) (green) (blue) (black)

Site: C0018-B.

Depth	DTG_s	RING_r	RDBA_r	RMBA_r	RSBA_r	RBIT_r	GRRR_r	APRS_c	ATEMP_c	dtorg	dwob	crpm	ROP	MudVol	Comments
3113							+								Seafloor.
3115		+			+	+	+								
3117							+		+						
3125													+		
3127							+								
3128					-		-								
3132		+			+	+							+		
3134													-		
3133											+				
3144							-				+				
3146							+				-				
3148.30						-					+				
3177														-	SWOB increased. (near pipe connection)
3190							+							-	" decreased.

Date: 27-12-12

MWD/LWD watchdog sheet (+ for increase, - for decrease)

Depth reference: MBRT

No DTCO available

mudra = STICK

STICK.

C0021A

Depth	DTCO_s	RING_r	RDBA_r	RMBA_r	RSBA_r	RBIT_r	GRRR_r	APRS_c	ATEMP_c	dtorg	dwob	crpm	ROP	MudVo	Comments
3085		+													
3099							+					+		-	
3101							-								
3104											+			+	
3106														-	Crpm remaining ~ constant
3122		+				+	-			+	+	+		+	
3124		+				-				-	-	-		-	
3125		-													Res. spike coincides with large DTOR + STICK spikes.
3129										+	+	-		++	
3131										+	-	+		-	
3135							-								
3151												-		+	v. high STICK spike.
3153												+		-	
3163							-				+			-	
3162							+								

} could be coincident

No DTCO available
MudVol = STICK.

Date: 26-12-12
- 27-12-12

MWD/LWD watchdog sheet (+ for increase, - for decrease)

Depth reference: mBRT.

C0021A

STICK.

Depth	DTCO_s	RING_r	RDBA_r	RMBA_r	RSBA_r	RBIT_r	GRRR_r	APRS_c	ATEMP_c	dtorg	dwob	crpm	ROP	MudVo	Comments
2980	X														SWOB increase (spike)
2991	g						-								
3003	g										+				
3008	g									+	-				coincident with rotation start.
3030	g											+	+		
3032	g											-	-		
3036	g						-								
3037	g						+							+	
3048	g													+	
3049	g						-								
3050	g													-	
3054	g						+								
3055	g						-							+	large increase
3056	g													-	
3066	g									+		+		+	