




		BOTTOM HOLE ASSEMBLY								
Operator:		Trias Westland B.V.		Rig:	Vario 370.2		Total Length:		281.46 (m)	
Well:		NLW-GT-03		BHA #:	1		BHA Weight (Air/Mud):		51.00 / 43.53 (Tons)	
Field:		Naaldwijk		Bit #:	1		Wt. Below Jars (Air/Mud):		28.07 / 23.96 (Tons)	
Date In:		10/07/2020 @ 16:45		Depth In:	133		Total Drilled:		774.6	
Date Out:		15/07/2020 @ 06:00		Depth Out:	907.6		Drilling / Circ Hours:		68.37 / 94.17	
Survey Offset:		9.34					Average ROP (m/hr):		11.33	
Proposed BHA	#	SN	Description	OD [in]	ID [in]	FN OD [in] / FN Len [m]	Cnx Up / Cnx Dn	Wt[kg/m] / Comp Wt[Tons] / Tot Wt[Tons]	Length [m]	Total Length [m]
	1	1637217	24in Mill Tooth Bit	24	3		7 5/8" REG	607.34 / 0.34 / 0.34	0.56	0.56
	2	OWS-STAB-3325	23 15/16in Near Bit Stabiliser w/ NPFV	9.5	3.031	9.550 / 0.74	7 5/8" REG / 7 5/8" REG	600.00 / 1.51 / 1.85	2.52	3.08
	3	SBD10778	9 1/2in MWD Geolink	9.5	4	9.500	7 5/8" REG / 7 5/8" REG	282.83 / 2.64 / 4.49	9.34	12.42
	4	SBD105590	9 1/2in Transmitter Sub	9.5	4	9.500	7 5/8" REG / 7 5/8" REG	283.00 / 0.47 / 4.97	1.67	14.09
	5	IDN-NMDC-017	9 1/2in Pony Non Mag Drill Collar	9.5	4	9.500	7 5/8" REG / 7 5/8" REG	370.00 / 1.67 / 6.63	4.51	18.6
	6	OWS-9816	23 15/32in Stabiliser	9.5	2.969	9.520 / 0.82	7 5/8" REG / 7 5/8" REG	600.00 / 1.54 / 8.17	2.56	21.16
	7		1 x 9 1/2in Spiral Drill Collar	9.5	3		7 5/8" REG / 7 5/8" REG	319.16 / 2.97 / 11.15	9.32	30.48
	8	OWS-STAB-9818	23 3/4in Stabiliser	9.5	2.969	9.550 / 0.72	7 5/8" REG / 7 5/8" REG	600.00 / 1.39 / 12.54	2.32	32.8
	9		3 x 9 1/2in Spiral Drill Collar	9.5	3		7 5/8" REG / 7 5/8" REG	319.16 / 8.71 / 21.25	27.3	60.1
	10	1.13	9in Cross Over	9	2.813		6 5/8 REG / 7 5/8" REG	282.83 / 0.32 / 21.57	1.13	61.23
	11		3 x 8 1/4in Spiral Drill Collar	8.25	2.813		6 5/8 REG / 6 5/8 REG	236.28 / 6.50 / 28.07	27.5	88.73
	12	1588-1230	8 Hydraulic Jar	8	3	8.000 / 0.50	6 5/8 REG / 6 5/8 REG	171.41 / 1.47 / 29.53	8.55	97.28
	13	27.93	3 x 8 1/4in Spiral Drill Collar	8.25	2.813		6 5/8 REG / 6 5/8 REG	236.28 / 6.60 / 36.13	27.93	125.21
	14	1591-1141	8in Hydraulic Accelerator	8	3	8.000 / 0.49	6 5/8 REG / 6 5/8 REG	171.41 / 1.82 / 37.95	10.61	135.82
	15	1	2 x 8 1/4in Spiral Drill Collar	8.25	2.813		6 5/8 REG / 6 5/8 REG	236.28 / 4.47 / 42.42	18.91	154.73
	16		8in Cross Over	8	2.75		5 1/2 FH VAM / 6 5/8 REG	229.76 / 0.25 / 42.67	1.1	155.83
	17		12 x 5 1/2in HWDP	5.5	3.5		5 1/2 FH VAM / 5 1/2 FH VAM	74.28 / 8.33 / 51.00	112.13	267.96
	18		5 1/2in Drill Pipe S-135 (24.7lb/ft)	5.5	4.67		5 1/2 FH VAM / 5 1/2 FH VAM	36.77 / 0.50 / 51.50		

Bit Details								
Size [in]	Type	Description	TFA	Make	Model	Grade In	Grade Out	Drilled [m]
24	Rock Bit	24in Mill Tooth Bit	1.05 (3x18, 1x20)	Varel	ES1G	NEW	2-4-WT-A-E-I-NO-TD	774.6

Jar Details					
Make / Model	Latch Up(Tons)	Latch Down(Tons)	Impulse(Tons)	Connection Top	Connection Bottom
Weatherford			150	6 5/8 REG	6 5/8 REG

Stabiliser Details						
Component Number	Description	OD[in]	Blade Length[in]	Blade Width[in]	Blade Count	Stab -> Bit[m]
2	23 15/16in Near Bit Stabiliser w/ NPFV	23.938	26	4	3	1.47
6	23 15/32in Stabiliser	23.469	24	4	3	19.51
8	23 3/4in Stabiliser	23.75	24	4	3	31.22




			BOTTOM HOLE ASSEMBLY							
Operator:			Trias Westland B.V.		Rig:	Vario 370.2		Total Length:	264.41 (m)	
Well:			NLW-GT-03		BHA #:	2		BHA Weight (Air/Mud):	43.25 / 37.13 (Tons)	
Field:			Naaldwijk		Bit #:	2		Wt. Below Jars (Air/Mud):	20.48 / 17.58 (Tons)	
Date In:			20/7/2020 @ 02:30		Depth In:	907.6		Total Drilled:	778.40 (m)	
Date Out:			28/7/2020 @ 05:15		Depth Out:	1686		Drilling / Circ Hours:	105.99 / 166.92	
Survey Offset:			19.67		Gamma Offset:	17.45		Average ROP (m/hr):	7.93	
Proposed BHA	#	SN	Description	OD [in]	ID [in]	FN OD [in] / FN Len [m]	Cnx Up / Cnx Dn	Wt[kg/m] / Comp Wt[Tons] / Tot Wt[Tons]	Length [m]	Total Length [m]
	1	6024723	16in Varel PDC Bit	16	3		7 5/8" REG	607.34 / 0.24 / 0.24	0.4	0.4
	2	G2653	9-5/8in 7/8 4.8 Stage BICO SSS100 w/ NPFV	9.625	5.3	9.670 / 0.89	7 5/8" REG / 7 5/8" REG	285.00 / 3.23 / 3.47	11.32	11.72
	3	A16S0001	14 7/8in Switchblade Stabiliser	9.5	3	9.500 / 0.86	7 5/8" REG / 7 5/8" REG	330.00 / 0.80 / 4.27	2.43	14.15
	4	SBD105590	9-1/2in MWD Geolink	9.5	4		7 5/8" REG / 7 5/8" REG	282.83 / 2.64 / 6.91	9.34	23.49
	5	SBD105590	9 1/2in Transmitter Sub	9.5	4		7 5/8" REG / 7 5/8" REG	283.00 / 0.47 / 7.39	1.67	25.16
	6	IDN-NMDC-017	9 1/2in Pony Non Mag Drill Collar	9.5	4		7 5/8" REG / 7 5/8" REG	319.16 / 1.44 / 8.82	4.51	29.67
	7	A16S0004	15 3/4in Switchblade Stabiliser	9.5	3	9.500 / 0.86	7 5/8" REG / 7 5/8" REG	330.00 / 0.83 / 9.66	2.52	32.19
	8	BP-141	9 1/2in PBL Sub	9.5	3.5		7 5/8" REG / 7 5/8" REG	318.55 / 1.11 / 10.76	3.47	35.66
	9		1 x 9 1/2in Drill Collar	9.5	3		7 5/8" REG / 7 5/8" REG	319.16 / 2.98 / 13.74	9.34	45
	10		9in Cross Over	9	2.813		6 5/8" REG / 7 5/8" REG	282.83 / 0.32 / 14.06	1.13	46.13
	11		3 x 8 1/4in Spiral Drill Collar	8.25	2.813		6 5/8" REG / 6 5/8" REG	236.28 / 6.41 / 20.48	27.15	73.28
	12	1702-1518	8in Hydraulic Jar	8	3	8.000 / 0.51	6 5/8" REG / 6 5/8" REG	171.41 / 1.64 / 22.12	9.59	82.87
	13		3 x 8 1/4in Spiral Drill Collar	8.25	2.813		6 5/8" REG / 6 5/8" REG	236.28 / 6.50 / 28.62	27.52	110.39
	14	1591-1142	8 Hydraulic Accelerator	8	3	8.000 / 0.50	6 5/8" REG / 6 5/8" REG	171.41 / 1.64 / 30.27	9.58	119.97
	15		2 x 8in Spiral Drill Collar	8.25	2.813		6 5/8" REG / 6 5/8" REG	236.28 / 4.42 / 34.68	18.69	138.66
	16		8in Cross Over	8	2.75		5 1/2" FH / 6 5/8" REG	229.76 / 0.25 / 34.93	1.1	139.76
	17		12 x 5 1/2in HWDP	5.5	3.5		5 1/2" FH / 5 1/2" FH	74.28 / 8.31 / 43.25	111.92	251.68
	18		5 1/2in Drill Pipe S-135 (24.7lb/ft)	5.5	4.67		5 1/2" FH / 5 1/2" FH	36.77 / 0.47 / 43.72		

Bit Details								
Size [in]	Type	Description	TFA	Make	Model	Grade In	Grade Out	Drilled [m]
16	PDC	16in Varel PDC Bit	0.90 (6x14)	VAREL	VFSY616PPDG1HR U-T	NEW	2-5-BT-G-1-JD-DTF	778.4

Motor Details						
Description	Make / Model	Bit to Bend [m] / Bend (deg)	Stab OD / Kick Pad OD [in]	Rev/L	Press. Loss / Diff Press (bar)	Max Diff Press. (bar) / Max Torque[kNm]
9-5/8in 7/8 4.8 Stage BICO	BICO / SSS100	3.05 / 1.15	15.75 / 10.19	0.026	0.00 / 10.00	104.00 / 54.80

Jar Details				
Make / Model	Latch Up(Tons)	Latch Down(Tons)	Impulse(Tons)	Connection Top
Weatherford			150	6 5/8" REG

Stabiliser Details						
Component Number	Description	OD[in]	Blade Length[in]	Blade Width[in]	Blade Count	Stab -> Bit[m]
2	9-5/8in 7/8 4.8 Stage BICO SSS100 w/ NPFV	15.75	10	2.5	5	1.57
3	14 7/8in Switchblade Stabiliser	14.75	12	3	6	12.84
7	15 3/4in Switchblade Stabiliser	15.75	12	3	6	30.88


		BOTTOM HOLE ASSEMBLY								
Operator:		Trias Westland B.V.		Rig:		Vario 370.2		Total Length:		261.42 (m)
Well:		NLW-GT-03		BHA #:		3		BHA Weight (Air/Mud):		42.17 / 36.05 (Tons)
Field:		Naaldwijk		Bit #:		3		Wt. Below Jars (Air/Mud):		19.24 / 16.45 (Tons)
Date In:		28/07/2020 @ 07:25		Depth In:		1686		Total Drilled:		864
Date Out:		05/08/2020 @ 05:15		Depth Out:		2550		Drilling / Circ Hours:		109.3
Survey Offset:		19.23		Gamma Offset:		17.01		Average ROP (m/hr):		7.90
Proposed BHA	#	SN	Description	OD [in]	ID [in]	FN OD [in] / FN Len [m]	Cnx Up / Cnx Dn	Wt[kg/m] / Comp Wt[Tons] / Tot Wt[Tons]	Length [m]	Total Length [m]
	1	60234761	16in Varel PDC Bit	16	3		7 5/8" REG	607.34 / 0.24 / 0.24	0.4	0.4
	2	G2652	9-5/8in 7/8 4.8 Stage BICO SSS100 w/ NPFV	9.625	5.3	9.700 / 0.78	7 5/8" REG / 7 5/8" REG	285.00 / 3.22 / 3.46	11.29	11.69
	3	A16S0001	14 7/8in Switchblade Stabiliser	9.5	3	9.500 / 0.86	7 5/8" REG / 7 5/8" REG	330.00 / 0.80 / 4.26	2.43	14.12
	4	NXG30727	9-1/2in MWD Geolink	9.5	4.25		7 5/8" REG / 7 5/8" REG	282.83 / 2.52 / 6.79	8.92	23.04
	5	SBD105591	9 1/2in Transmitter Sub	9.5	4		7 5/8" REG / 7 5/8" REG	283.00 / 0.47 / 7.26	1.66	24.7
	6	IDN-NMDC-017	9 1/2in Pony Non Mag Drill Collar	9.5	4		7 5/8" REG / 7 5/8" REG	319.16 / 1.44 / 8.69	4.51	29.21
	7	A16S0004	15 3/4in Switchblade Stabiliser	9.5	3	9.500 / 0.86	7 5/8" REG / 7 5/8" REG	330.00 / 0.83 / 9.53	2.52	31.73
	8		1 x 9 1/2in Drill Collar	9.5	3		7 5/8" REG / 7 5/8" REG	319.16 / 2.98 / 12.51	9.34	41.07
	9		9in Cross Over	9	2.813		6 5/8" REG / 7 5/8" REG	282.83 / 0.32 / 12.83	1.13	42.2
	10		3 x 8 1/4in Spiral Drill Collar	8.25	2.813		6 5/8" REG / 6 5/8" REG	236.28 / 6.42 / 19.24	27.15	69.35
	11	MHJ-81-2251	8 1/4 Hydraulic Jar	8.125	3	8.250 / 1.95	6 5/8" REG / 6 5/8" REG	171.41 / 1.70 / 20.94	9.93	79.28
	12		3 x 8 1/4in Spiral Drill Collar	8.25	2.813		6 5/8" REG / 6 5/8" REG	236.28 / 6.50 / 27.45	27.52	106.8
	13	MHE-81-2463	8 1/4 Hydraulic Accelerator	8.125	3	8.250 / 1.09	6 5/8" REG / 6 5/8" REG	171.41 / 1.74 / 29.19	10.18	116.98
	14		2 x 8in Spiral Drill Collar	8.25	2.813		6 5/8" REG / 6 5/8" REG	236.28 / 4.42 / 33.61	18.69	135.67
	15		8in Cross Over	8	2.75		5 1/2" FH / 6 5/8" REG	229.76 / 0.25 / 33.86	1.1	136.77
	16		12 x 5 1/2in HWDP	5.5	3.5		5 1/2" FH / 5 1/2" FH	74.28 / 8.31 / 42.17	111.92	248.69
	17		5 1/2in Drill Pipe S-135 (24.7lb/ft)	5.5	4.67		5 1/2" FH / 5 1/2" FH	36.77 / 0.47 / 42.64		

Bit Details								
Size [in]	Type	Description	TFA	Make	Model	Grade In	Grade Out	Drilled [m]
16	PDC	16in Varel PDC Bit	0.99 (9x12)	VAREL	SY616PPG2HRU-T	NEW	3-8-WT-G-X-3 1/4-PN-PR	864

Motor Details						
Description	Make / Model	Bit to Bend [m] / Bend (deg)	Stab OD / Kick Pad OD [in]	Rev/L	Press. Loss / Diff Press (bar)	Max Diff Press. (bar) / Max Torque[kNm]
9-5/8in 7/8 4.8 Stage BICO	BICO / SSS100	3.05 / 1.15	15.75 / 10.19	0.027	10.00 / 10.00	104.00 / 54.80

Jar Details					
Make / Model	Latch Up(Tons)	Latch Down(Tons)	Impulse(Tons)	Connection Top	Connection Bottom
8" KNIGHT			150	6 5/8" REG	6 5/8" REG

Stabiliser Details						
Component Number	Description	OD[in]	Blade Length[in]	Blade Width[in]	Blade Count	Stab -> Bit[m]
2	9-5/8in 7/8 4.8 Stage BICO SSS100 w/ NPFV	15.75	12	2.5	5	1.57
3	14 7/8in Switchblade Stabiliser	14.75	15	3	8	12.81
7	15 3/4in Switchblade Stabiliser	15.75	15	3	8	30.42




NEXT Drilling Services		BOTTOM HOLE ASSEMBLY						TRIAS WESTLAND			
Operator:		Trias Westland B.V.		Rig:		Vario 370.2		Total Length:		265.82 (m)	
Well:		NLW-GT-03		BHA #:		4		BHA Weight (Air/Mud):		44.05 / 37.71 (Tons)	
Field:		Naaldwijk		Bit #:		4		Wt. Below Jars (Air/Mud):		21.12 / 18.08 (Tons)	
Date In:		5/8/2020		Depth In:		2550.3		Total Drilled:		0.00 (m)	
Date Out:		08/08/2020		Depth Out:		2550.3		Drilling / Circ Hours:		0.00 / 14.8	
Survey Offset:		23.62		Gamma Offset:		21.4					
Proposed BHA	#	SN	Description	OD [in]	ID [in]	FN OD [in] / FN Len [m]	Cnx Up / Cnx Dn	Wt[kg/m] / Comp Wt[Tons] / Tot Wt[Tons]	Length [m]	Total Length [m]	
	1	E268198	16in PDC Bit	16	3		7 5/8 REG	607.34 / 0.22 / 0.22	0.36	0.36	
	2	IDN-15.750-058	15 3/4in String Stabiliser	9.5	3	9.530 / 0.92	7 5/8 REG / 7 5/8 REG	330.00 / 0.93 / 1.15	2.82	3.18	
	3	IDN-X0-107	9in Cross Over	9.5	2.813	9.550 / 0.58	6 5/8 REG / 7 5/8 REG	282.83 / 0.30 / 1.45	1.07	4.25	
	4	G2650	9-5/8in 7/8 4.8 Stage BICO SSS100 w/ NPFV	9.5	5.3	9.670 / 0.77	7 5/8 REG / 6 5/8 REG	330.00 / 3.74 / 5.19	11.33	15.58	
	5	A16S0004	15 3/4in Switchblade Stabiliser	9.5	3	9.500 / 0.86	7 5/8" REG / 7 5/8" REG	330.00 / 0.83 / 6.02	2.52	18.1	
	6	SBD107786	9-1/2in MWD Geolink	9.5	4		7 5/8" REG / 7 5/8" REG	282.83 / 2.64 / 8.66	9.34	27.44	
	7	SBD105590	9 1/2in Transmitter Sub	9.5	4		7 5/8" REG / 7 5/8" REG	283.00 / 0.47 / 9.14	1.67	29.11	
	8	IDN-NMDC-017	9 1/2in Pony Non Mag Drill Collar	9.5	4		7 5/8" REG / 7 5/8" REG	319.16 / 1.44 / 10.58	4.51	33.62	
	9	A16S0001	15 1/4in Switchblade Stabiliser	9.5	3	9.500 / 0.86	7 5/8" REG / 7 5/8" REG	330.00 / 0.80 / 11.38	2.43	36.05	
	10		1 x 9 1/2in Drill Collar	9.5	3		7 5/8" REG / 7 5/8" REG	319.16 / 2.98 / 14.36	9.34	45.39	
	11		9in Cross Over	9	2.813		6 5/8" REG / 7 5/8" REG	282.83 / 0.34 / 14.70	1.21	46.6	
	12		3 x 8 1/4in Spiral Drill Collar	8.25	2.813		6 5/8" REG / 6 5/8" REG	236.28 / 6.41 / 21.12	27.15	73.75	
	13	MHJ-81-2251	8 1/4 Hydraulic Jar	8.125	3	8.250 / 1.95	6 5/8" REG / 6 5/8" REG	171.41 / 1.70 / 22.82	9.93	83.68	
	14		3 x 8 1/4in Spiral Drill Collar	8.25	2.813		6 5/8" REG / 6 5/8" REG	236.28 / 6.50 / 29.32	27.52	111.2	
	15	MHE-81-2463	8 1/4 Hydraulic Accelerator	8.125	3	8.250 / 1.09	6 5/8" REG / 6 5/8" REG	171.41 / 1.75 / 31.07	10.18	121.38	
	16		2 x 8in Spiral Drill Collar	8.25	2.813		6 5/8" REG / 6 5/8" REG	236.28 / 4.42 / 35.48	18.69	140.07	
	17		8in Cross Over	8	2.75		5 1/2" FH / 6 5/8" REG	229.76 / 0.25 / 35.73	1.1	141.17	
	18		12 x 5 1/2in HWDP	5.5	3.5		5 1/2" FH / 5 1/2" FH	74.28 / 8.31 / 44.05	111.92	253.09	
	19		5 1/2in Drill Pipe S-135 (24.7lb/ft)	5.5	4.67		5 1/2" FH / 5 1/2" FH	36.77 / 0.47 / 44.52	12.73	265.82	

Comments								
BRT: 22:20 05/08/2020 - ART: LIH @ 18:00 08/08/2020 (from jar down) approx. 1810m								
Bit Details								
Size [in]	Type	Description	TFA	Make	Model	Grade In	Grade Out	Drilled [m]
16	PDC	16in PDC Bit	0.99 (9x12)	NOV	TK66	NEW	LIH	0

Motor Details						
Description	Make / Model	Bit to Bend [m] / Bend (deg)	Stab OD / Kick Pad OD [in]	Rev/L	Press. Loss / Diff Press (bar)	Max Diff Press. (bar) / Max Torque[kNm]
9-5/8in 7/8 4.8 Stage BICO	BICO / SSS100	3.05 / 0.00	12.13 / 10.30	0.027	Oct-15	104.00 / 54.00

Jar Details					
Make / Model	Latch Up(Tons)	Latch Down(Tons)	Impulse(Tons)	Connection Top	Connection Bottom
KNIGHT			150	6 5/8" REG	6 5/8" REG

Stabiliser Details						
Component Number	Description	OD[in]	Blade Length[in]	Blade Width[in]	Blade Count	Stab -> Bit[m]
2	15 3/4in String Stabiliser	15.75	18	4	3	1.92
4	9-5/8in 7/8 4.8 BICO SSS100 w/ NPFV	12.125	6	2	5	5.42
5	15 3/4in Switchblade Stabiliser	15.75	22	6	8	16.7
9	15 1/4in Switchblade Stabiliser	15.25	22	6	8	34.74




			BOTTOM HOLE ASSEMBLY							
Operator:			Trias Westland B.V.		Rig:	Drilltec Vario 370.2		Total Length:	264.59 (m)	
Well:			NLW-GT-03		BHA #:	5 / s1		BHA Weight (Air/Mud):	57.98 / 49.41 (Tons)	
Field:			Naaldwijk		Bit #:	5 / s1		Wt. Below Jars (Air/Mud):	24.08 / 20.52 (Tons)	
Date In:			12/08/2020 @ 13:25		Depth In:	1467.9		Total Drilled:	865.1	
Date Out:			19/08/2020 @ 16:40		Depth Out:	2333		Drilling / Circ Hours:	83.23	
Survey Offset:			20.35		Gamma Offset:	18.13		Average ROP (m):	10.39	
Proposed BHA	#	SN	Description	OD [in]	ID [in]	FN OD [in] / FN Len [m]	Cnx Up / Cnx Dn	Wt[kg/m] / Comp Wt[Tons] / Tot Wt[Tons]	Length [m]	Total Length [m]
	1	8420	16in PDC Bit	16	3		7 5/8" REG	700.00 / 0.28 / 0.28	0.4	0.4
	2	962-36-133	9-5/8in 7/8 4.8 NOV Hemidrill	9.625	5.3	9.650 / 1.11	7 5/8" REG / 7 5/8" REG	270.00 / 2.88 / 3.16	10.66	11.06
	3	IDN-XO-101	9 1/2" Float sub w/ NPFV	9.5	3	9.500	7 5/8 Reg / 7 5/8 Reg	200.00 / 0.22 / 3.37	1.08	12.14
	4	IDN-15.50-096NM	15 1/2in NM Stabiliser	9.5	3	9.650 / 0.82	7 5/8" REG / 7 5/8" REG	350.00 / 0.85 / 4.22	2.43	14.57
	5	IDN-NMDC-016	9-1/2in MWD Geolink	9.5	4.25		7 5/8" REG / 7 5/8" REG	320.00 / 3.07 / 7.30	9.6	24.17
	6	SBD105591	9 1/2in Transmitter Sub	9.5	4		7 5/8" REG / 7 5/8" REG	330.00 / 0.55 / 7.84	1.66	25.83
	7	HEM01213	9 1/2in Pony Non Mag Drill Collar	9.5	4	9.680	7 5/8" REG / 7 5/8" REG	320.00 / 1.45 / 9.30	4.54	30.37
	8	IDN-15.75-094NM	15 3/4in NM Stabiliser	9.5	3	9.650 / 0.80	7 5/8" REG / 7 5/8" REG	350.00 / 0.85 / 10.15	2.43	32.8
	9	BP146	9 1/2" PBL Sub	9.5	3.5	9.500	7 5/8 Reg / 7 5/8 Reg	320.00 / 0.80 / 10.94	2.49	35.29
	10		1 x 9 1/2in Drill Collar	9.5	3		7 5/8" REG / 7 5/8" REG	323.00 / 2.96 / 13.90	9.16	44.45
	11		9in Cross Over	9	2.813		6 5/8" REG / 7 5/8" REG	323.00 / 0.39 / 14.29	1.21	45.66
	12		3 x 8 1/4in Spiral Drill Collar	8.25	2.813		6 5/8" REG / 6 5/8" REG	351.72 / 9.78 / 24.08	27.82	73.48
	13	1762-1611	8 1/4 Hydraulic Jar	8.125	3	8.000 / 0.35	6 5/8" REG / 6 5/8" REG	255.15 / 2.38 / 26.46	9.33	82.81
	14		3 x 8 1/4in Spiral Drill Collar	8.25	2.813		6 5/8" REG / 6 5/8" REG	351.72 / 9.82 / 36.28	27.93	110.74
	15	1591-1142	8 1/4 Hydraulic Accelerator	8.125	3	8.000 / 0.50	6 5/8" REG / 6 5/8" REG	255.15 / 2.45 / 38.73	9.59	120.33
	16		2 x 8in Spiral Drill Collar	8.25	2.813		6 5/8" REG / 6 5/8" REG	351.72 / 6.49 / 45.22	18.46	138.79
	17		8in Cross Over	8	2.75		5 1/2" FH / 6 5/8" REG	342.01 / 0.38 / 45.60	1.1	139.89
	18		12 x 5 1/2in HWDP	5.5	3.5		5 1/2" FH / 5 1/2" FH	110.57 / 12.38 / 57.98	111.97	251.86
	19		5 1/2in Drill Pipe S-135 (24.7lb/ft)	5.5	4.67		5 1/2" FH / 5 1/2" FH	54.73 / 0.70 / 58.68	12.73	264.59

Comments								
Timedrill and sidetrack from NLW-GT-03 - BRT: 13:25 12/08/2020 - ART: 16:40 19/08/2020								
Bit Details								
Size [in]	Type	Description	TFA	Make	Model	Grade In	Grade Out	Drilled [m]
16	PDC	16in PDC Bit	1.00 (5x11, 7x10)	SMITH	XZ616	NEW	1-7-WT-S-X-I-PN-DTF	865.1

Motor Details						
Description	Make / Model	Bit to Bend [m] / Bend (deg)	Stab OD / Kick Pad OD [in]	Rev/L	Press. Loss / Diff Press (bar)	Max Diff Press. (bar) / Max Torque[kNm]
9-5/8in 7/8 4.8 NOV Hemidrill	NOV / Hemi	2.53 / 1.15	15.75 / 10.10	0.03	10.00 / 10.00	75.00 / 35.00

Jar Details					
Make / Model	Latch Up(Tons)	Latch Down(Tons)	Impulse(Tons)	Connection Top	Connection Bottom
WTF			150	6 5/8" REG	6 5/8" REG

Stabiliser Details						
Component Number	Description	OD[in]	Blade Length[in]	Blade Width[in]	Blade Count	Stab -> Bit[m]
2	9-5/8in 7/8 4.8 NOV Hemidrill	15.75	6	2.5	5	1.41
4	15 1/2in NM Stabiliser	15.5	22	4	3	13.36
8	15 3/4in NM Stabiliser	15.75	22	4	3	31.58

			BOTTOM HOLE ASSEMBLY							
Operator:			Trias Westland B.V.		Rig:	Drilltec Vario 370.2		Total Length:	265.35 (m)	
Well:			NLW-GT-03s1		BHA #:	6 / 2s1		BHA Weight (Air/Mud):	58.22 / 49.47 (Tons)	
Field:			Naaldwijk		Bit #:	6 / 2s1		Wt. Below Jars (Air/Mud):	24.32 / 20.67 (Tons)	
Date In:			19/8/2020 @ 20:10		Depth In:	2333		Total Drilled:	267.00 (m)	
Date Out:			22/08/2020 @ 21:20		Depth Out:	2600		Drilling / Circ Hours:	23.51 / 31.80	
Survey Offset:			21.11		Gamma Offset:	18.89		Average ROP (m/hr):	11.36	
Proposed BHA	#	SN	Description	OD [in]	ID [in]	FN OD [in] / FN Len [m]	Cnx Up / Cnx Dn	Wt[kg/m] / Comp Wt[Tons] / Tot Wt[Tons]	Length [m]	Total Length [m]
	1	E230880	16in PDC Bit	16	3		7 5/8" REG	700.00 / 0.34 / 0.34	0.49	0.49
	2	G2653	9-5/8in 7/8 4.8 7/8 BICO SSS100	9.625	5.3		7 5/8" REG / 7 5/8" REG	270.00 / 3.06 / 3.40	11.33	11.82
	3	IDN-XO-101	9 1/2 Float sub w/ NPFV	9.5	3	9.500	7 5/8 Reg / 7 5/8 Reg	200.00 / 0.22 / 3.62	1.08	12.9
	4	IDN-15.50-096NM	15 1/2in NM Stabiliser	9.5	3	9.650 / 0.82	7 5/8" REG / 7 5/8" REG	350.00 / 0.85 / 4.47	2.43	15.33
	5	IDN-NMDC-016	9-1/2in MWD Geolink	9.5	4.25		7 5/8" REG / 7 5/8" REG	320.00 / 3.07 / 7.54	9.6	24.93
	6	SBD105591	9 1/2in Transmitter Sub	9.5	4		7 5/8" REG / 7 5/8" REG	330.00 / 0.55 / 8.09	1.66	26.59
	7	HEM01213	9 1/2in Pony Non Mag Drill Collar	9.5	4	9.680	7 5/8" REG / 7 5/8" REG	320.00 / 1.45 / 9.54	4.54	31.13
	8	IDN-15.75-094NM	15 3/4in NM Stabiliser	9.5	3	9.650 / 0.80	7 5/8" REG / 7 5/8" REG	350.00 / 0.85 / 10.39	2.43	33.56
	9	BP146	9 1/2" PBL Sub	9.5	3.5	9.500	7 5/8 Reg / 7 5/8 Reg	320.00 / 0.80 / 11.19	2.49	36.05
	10		1 x 9 1/2in Drill Collar	9.5	3		7 5/8" REG / 7 5/8" REG	323.00 / 2.96 / 14.15	9.16	45.21
	11		9in Cross Over	9	2.813		6 5/8" REG / 7 5/8" REG	323.00 / 0.39 / 14.54	1.21	46.42
	12		3 x 8 1/4in Spiral Drill Collar	8.25	2.813		6 5/8" REG / 6 5/8" REG	351.72 / 9.78 / 24.32	27.82	74.24
	13	1762-1611	8 1/4 Hydraulic Jar	8.125	3	8.000 / 0.35	6 5/8" REG / 6 5/8" REG	255.15 / 2.38 / 26.70	9.33	83.57
	14		3 x 8 1/4in Spiral Drill Collar	8.25	2.813		6 5/8" REG / 6 5/8" REG	351.72 / 9.82 / 36.53	27.93	111.5
	15	1591-1142	8 1/4 Hydraulic Accelerator	8.125	3	8.000 / 0.50	6 5/8" REG / 6 5/8" REG	255.15 / 2.45 / 38.97	9.59	121.09
	16		2 x 8in Spiral Drill Collar	8.25	2.813		6 5/8" REG / 6 5/8" REG	351.72 / 6.49 / 45.47	18.46	139.55
	17		8in Cross Over	8	2.75		5 1/2" FH / 6 5/8" REG	342.01 / 0.38 / 45.84	1.1	140.65
	18		12 x 5 1/2in HWDP	5.5	3.5		5 1/2" FH / 5 1/2" FH	110.57 / 12.38 / 58.22	111.97	252.62
	19		5 1/2in Drill Pipe S-135 (24.7lb/ft)	5.5	4.67		5 1/2" FH / 5 1/2" FH	54.73 / 0.70 / 58.92	12.73	265.35

Comments								
BRT: 20:10hrs -19/08/2020 - ART: 21:20hrs -22/08/2020								
Bit Details								
Size [in]	Type	Description	TFA	Make	Model	Grade In	Grade Out	Drilled [m]
16	PDC	16in PDC Bit	1.00 (5x11, 7x10)	NOV	SKC916M-B4	NEW	1-1-WT-A-X-I-CT-TD	267
Motor Details								
Description		Make / Model	Bit to Bend [m] / Bend (deg)	Stab OD / Kick Pad OD [in]	Rev/L	Press. Loss / Diff Press (bar)	Max Diff Press. (bar) / Max Torque[kNm]	
9-5/8in 7/8 4.8 7/8 BICO		BICO / SSS100	3.05 / 1.15	15.75 / 10.30	0.027	10.00 / 10.00	104.00 / 54.00	
Jar Details								
Make / Model	Latch Up(Tons)		Latch Down(Tons)	Impulse(Tons)	Connection Top		Connection Bottom	
WTF				150	6 5/8" REG		6 5/8" REG	
Stabiliser Details								
Component Number	Description		OD[in]	Blade Length[in]	Blade Width[in]	Blade Count	Stab -> Bit[m]	
2	9-5/8in 7/8 4.8 7/8 BICO SSS100		15.75	12	2.5	5	1.89	
4	15 1/2in NM Stabiliser		15.5	22	4	3	14.12	
8	15 3/4in NM Stabiliser		15.75	22	4	3	32.34	