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Fluid Volume Breakdown (in m³)											Time Breakdown		
Active		Reserve		Additions Active		Additions Reserve		Losses Active		Losses Reserve		Ein-/Ausbau	21
Annulus	48,9	Reserve Pits	41,8	Water	3,4	Water		Cuttings		Cuttings		Zirkulieren	3
String	8,1	Yesterday. Vol.	41,8	Mud		Mud		SCE other	0,28	SCE other			
Total Hole	58,5	From Active		Chemicals	0,28	Chemicals	0	Dumped		Dumped			
Active Pits	22,0	Net Change	0	Influx		Influx		Evaporat.		Evaporat.			
Total Act. Vol.	80,5	Total		Other		Other		Trips		Trips			
Yesterday. Vol.	80,5	Total Surface	63,82	Total Add	3,67	Total Add	0	Returned		Returned			
From Reserve		Doc. net chan.	-0	Other Fluids		Waste Disposal		Other	3,4	Other			
Net Change	0	Act. net change	-0			Liquid		Downhole		Downhole			
		Reconc. Vol.	-0			Solid		Total Lost	3,68	Total Lost	0		

Engineers		Service Charges	No.	Cost	Equipment Charges	No.	Cost
Mud #1	Andreas Burk-Fröhlich	Drilling Fluids Eng. Day	1	€ 730	Lab	1	€ 50
Mud #2	Gerry Spieard	Drilling Fluids Eng. Night	1	€ 730	Transpot Lab Inward/Return	1	€ 1207,5
Mud #3		IT charge	1	€ 18			
Mud #4							
SCE #1							
SCE #2							

Cost Breakdown					
Daily Mud Material Cost	€ 574,2	Previous Mud Material Cost	€ 1774,78	Total Mud Material Cost	€ 2348,98
Daily Mud Other Cost	€ 0	Previous Mud Other Cost	€ 0	Total Mud Other Cost	€ 0
Daily Mud Engineering Cost	€ 1460	Previous Mud Engineering Cost	€ 5840	Total Mud Engineering Cost	€ 7300
Daily Mud Equipment Cost	€ 1275,5	Previous Mud Equipment Cost	€ 304	Total Mud Equipment Cost	€ 1579,5
Daily Mud Cost	€ 3309,7	Previous Mud Cost	€ 7918,77	Overall Mud Cost	€ 11228,47
Daily SCE Material Cost	€ 0	Previous SCE Material Cost	€ 0	Total SCE Material Cost	€ 0
Daily SCE Engineering Cost	€ 0	Previous SCE Engineering Cost	€ 0	Total SCE Engineering Cost	€ 0
Daily SCE Equipment Cost	€ 0	Previous SCE Equipment Cost	€ 0	Total SCE Equipment Cost	€ 0
Daily SCE Cost	€ 0	Previous SCE Cost	€ 0	Overall SCE Cost	€ 0
Daily Well Cost	€ 3309,7	Previous Well Cost	€ 7918,77	Total Well Cost	€ 11228,47

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Produkt		Einheit	Verpackungs- einheit	Stückpreis pro Einheit	Anfangs- bestand	An- lieferung	Tägl. Verbrauch	Rück- liefer.	End- bestand	tägl. Kosten	Materialkonz. Umlaufspülung		Reserve Conc. Reservespülung	
											Anfang	Ende	Anfang	Ende
			bulk	€ 1490,4	0				0					
AMC Carb 10	1 kg	sack		€ 0,28	2500				2500					
AMC Carb 130	1 kg	sack		€ 0,28	2500				2500					
AMC Carb 40	1 kg	sack		€ 0,28	0				0					
AMC Carb 65	1 kg	sack		€ 0,28	2400				2400					
AMC Defoamer	1 kg	drum		€ 2,87	525				525					
AMC Drill Carb incl.mixing/ loading c	1 m³	bulk		€ 121,57	0				0					
AMC Xan Bore	1 kg	sack		€ 6,36	600				600					
Aus-Dex	1 kg	sack		€ 1,12	3000				3000					
Magma Fiber fine	1 kg	sack		€ 4,19	453,6				453,6					
Soda	1 kg	sack		€ 0,49	800				800					
Sodium Sulphite	1 kg	sack		€ 1,3	225				225					

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Date	Time	Well Depth	Bit Depth		Current Activity	Distance Drilled								
22.06.15	06:00:00	2560 m MD	2371,3 m TVD	2560 m MD	2371,3 m TVD	Drilling 6 1/8"	40 m							
Operator			Report for		Well Name / Number	Spud Date								
Green Well Westland			Bas Kaldenbach		GreenWellWestland-HON-GT-01S2	11.06.15								
Contractor			Report for		Stratigraphy	Lithology								
BPC			James Mc Connell		Mesozoicum	Delft Sandstone								
Country		State / Province		Field / Block	Region / Area		Rig Name							
Netherlands		Westland		Honselersdijk	Westland		Space Saver II							
Phone		E-mail		Day Engineer		Night Engineer								
4915154469504				Andreas Burk-Fröhlich		Gerry Spieard								
Casing			Drill String			Bit Information		Pumps						
OD	ID	Shoe MD	OD	ID	Length	Bit Depth	2560 m	Model	Pump 1	Pump 2				
9,625 in	8,535 in	1102 m	3 1/2" DP 15,5#	3,5 in	2,6 in	2315,93 m	Bit Size	6,13 in	Liner Size	5 in				
7 in	6,184 in	2391 m	3 1/2" HWDP 19#	3,5 in	2,25 in	37,1 m	Type	PDC	Stroke Length	5 in	5 in			
			Jar	4,75 in	2,2 in	9,26 m	Model	WFT#02	Efficiency %	95				
			NM/HWDP	4,75 in	2,75 in	175,95 m	Jets	11, 11, 11, 11, 11	m³/str	0	0			
			IMHWDP+Pulse	4,75 in	3 in	11,16 m	TFA	0,464 in²	SPM	220				
			Bit+Motor +Float	5 in	1,5 in	10,6 m	Jet Velocity	56 m/s	m³/s	0	0			
Open Hole			FIT / LOT			Jet Impact Force		238 lbf	Circulation					
nominal	actual	Depth MD				Bit HHSI		1,41 W/m²	B/U Time	50 min	Down Time	9 min	Tot.Cir Time	96 min
						Bit Press Drop		18 bar	B/U Strokes	11023	Down Str	1917	Total Circ Str	21147
6,13 in	6,19 in	2560 m				ECD @ Shoe		1,15 SG	AV max	2,5 m/s	Δp Bit	18 bar	Δp Annulus	11,12 bar
						ECD @ Bit		1,17 SG	AV min	0,55 m/s	Δp Pipe	150 bar	Δp Total	180 bar
Properties			1	2	3	4	Specifications		Mud System					
Fluid Type			AMC Drillcarb		AMC Drillcarb		AMC Drillcarb		AMC Drill Carb					
Sample Source			Trip/ Suction		Trip/ Suction		Trip/ Suction		Fluid Treatments					
Time			14:00:00		23:00:00		03:00:00		soda ash to increase pH.					
Depth			m		2537		2551		In Delft Sandstone, dilute active sytem with fresh Drill Carb mud.					
Flowline Temp			°C		60		63		(Decrease Viscosity and amount of present clay)					
Mud Weight			SG		1,12 @ 40 °C		1,12 @ 50 °C		1,12 @ 48 °C		Losses: 0 m³ Total losses: 3,4 m³			
Funnel Viscosity			sec/qt		11 @ 50 °C		13 @ 50 °C		13 @ 50 °C					
Plastic Viscosity			cP		32		30		29		15 - 30			
Yield Point			lbf/100 ft²		54 / 43		56 / 43		55 / 42					
FANN 600 / 300 rpm			°deflection		38 / 30		38 / 30		37 / 28					
FANN 200 / 100 rpm			°deflection		12 / 10		12 / 10		11 / 9					
FANN 6 / 3 rpm			°deflection		13 / 15		13 / 14		10 / 14					
10 sec / 10 min gel			°deflection		9		9		9					
30 min gel			°deflection		4		4		4					
pH														
API Fluid Loss			ml/30min											
HTHP Fluid Loss			ml/30min											
HTHP Press / Temp			bar / °C											
Cake API / HTHP			mm		0,3 /		0,3 /		0,3 /					
P _m			ml		0,4		0,4		0,4					
Pr / Mr			ml		0,2 / 0,4		0,2 / 0,4		0,1 / 0,3					
Total Hardness			mg/l		130		128		128					
Calcium Hardness			mg/l		0		0		0					
Chlorides			mg/l		50600		52000		53175					
Retort Oil / Water			%		0 / 93,3		0 / 93,2		0 / 93,3					
Corr. Water Content			%		96,01		95,98		96,15					
Corr. Solids Content			%		3,99		4,02		3,85					
Sand Content			%		0,5		0,5		0,7					
MBT			kg/m³		21,5		14,3		14,3					



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Date	Time	Well Depth		Bit Depth		Current Activity				Distance Drilled			
23.06.15	06:00:00	2594 m MD		2400,7 m TVD		2594 m MD		2400,7 m TVD		Drilling 6 1/8"		34 m	
Operator				Report for				Well Name / Number				Spud Date	
Green Well Westland				Bas Kaldenbach				GreenWellWestland-HON-GT-01S2				11.06.15	
Contractor				Report for				Stratigraphy				Lithology	
BPC				James Mc Connell				Mesozoicuzm				Delft Sandstone	
Country				State / Province				Field / Block		Region / Area		Rig Name	
Netherlands				Westland				Honselersdijk		Westland		Space Saver II	
Phone				E-mail				Day Engineer				Night Engineer	
4915154469504								Andreas Burk-Fröhlich				Gerry Spieard	
Casing			Drill String			Bit Information			Pumps				
OD	ID	Shoe MD	OD	ID	Length	Bit Depth	2594 m	Model	Pump 1	Pump 2			
9,625 in	8,535 in	1102 m	3 1/2" DP 15,5#	3,5 in	2,6 in	2349,93 m	Bit Size	6,13 in	Liner Size	5 in			
7 in	6,184 in	2391 m	3 1/2" HWDP 19#	3,5 in	2,25 in	37,1 m	Type	PDC	Stroke Length	5 in	5 in		
			Jar	4,75 in	2,2 in	9,26 m	Model	WFT#02	Efficiency %	95			
			NM/HWDP	4,75 in	2,75 in	175,95 m	Jets	11, 11, 11, 11, 11	m³/str	0	0		
			NMHWDP+Pulse	4,75 in	3 in	11,16 m	TFA	0,464 in²	SPM	220			
			Bit+Motor +Float	5 in	1,5 in	10,6 m	Jet Velocity	56 m/s	m³/s	0	0		
						Jet Impact Force	240 lbf	Circulation					
Open Hole			FIT / LOT			Bit HHSI	1,42 W/m²	B/U Time	51 min	Down Time	9 min	Tot.Cir Time	74 min
nominal	actual	Depth MD				Bit Press Drop	19 bar	B/U Strokes	11121	Down Str	1942	Total Circ Str	16176
6,13 in	6,19 in	2594 m				ECD @ Shoe	1,16 SG	AV max	2,5 m/s	Δp Bit	19 bar	Δp Annulus	11,46 bar
						ECD @ Bit	1,18 SG	AV min	0,55 m/s	Δp Pipe	152 bar	Δp Total	183 bar
Properties		1	2	3	4	Specifications		Mud System					
Fluid Type		AMC Drillcarb		AMC Drillcarb				AMC Drill Carb					
Sample Source		Trip/ Suction		Trip/ Suction				Fluid Treatments					
Time		15:00:00		03:00:00				added Aus- Buffer to increase pH.					
Depth		m		2574		2591		Losses 0 m³ Total losses : 3,4 m³					
Flowline Temp		°C		63		62							
Mud Weight		SG		1,13 @ 40 °C		1,13 @ 55 °C							
Funnel Viscosity		sec/qt											
Plastic Viscosity		cP		13 @ 50 °C		13 @ 50 °C							
Yield Point		lbf/100 ft²		29		34		15 - 30					
FANN 600 / 300 rpm		°deflection		55 / 42		60 / 47							
FANN 200 / 100 rpm		°deflection		37 / 28		38 / 29							
FANN 6 / 3 rpm		°deflection		11 / 9		12 / 10							
10 sec / 10 min gel		°deflection		10 / 14		13 / 17							
30 min gel		°deflection											
pH				8,5		10							
API Fluid Loss		ml/30min		4		4,2							
HTHP Fluid Loss		ml/30min											
HTHP Press / Temp		bar / °C											
Cake API / HTHP		mm		0,3 /		0,3 /							
P _m		ml		0,2		0,3							
Pr / Mr		ml		0,1 / 0,4		0,15 / 0,4							
Total Hardness		mg/l		130		120							
Calcium Hardness		mg/l		0		0							
Chlorides		mg/l		52000		53175							
Retort Oil / Water		%		0 / 92,7		0 / 92,7							
Corr. Water Content		%		95,47		95,53							
Corr. Solids Content		%		4,53		4,47							
Sand Content		%		0,5		0,5							
MBT		kg/m³		14,3		14,3							
						</							



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Date	Time	Well Depth		Bit Depth		Current Activity				Distance Drilled					
24.06.15	06:00:00	2615,3 m MD		2419,34 m TVD		2615,3 m MD		2419,34 m TVD		drilling 6 1/8"	21,3 m				
Operator				Report for				Well Name / Number		Spud Date					
Green Well Westland				Arthur de Vetter				GreenWellWestland-HON-GT-0152		11.06.15					
Contractor				Report for				Stratigraphy		Lithology					
BPC				James Mc Connell, Steven				Mesozoicum		Claystone					
Country				State / Province				Field / Block		Region / Area		Rig Name			
Netherlands				Westland				Honselersdijk		Westland		Space Saver II			
Phone				E-mail				Day Engineer				Night Engineer			
4915154469504								Andreas Burk-Fröhlich				Gerry Speiard			
Casing			Drill String			Bit Information			Pumps						
OD	ID	Shoe MD	OD	ID	Length	Bit Depth	2615,3 m		Model	Pump 1	Pump 2				
9,625 in	8,535 in	1102 m	3 1/2" DP 15,5#	3,5 in	2,6 in	2371,23 m	Bit Size		6,13 in	Liner Size	5 in				
7 in	6,184 in	2391 m	3 1/2" HWDP 19#	3,5 in	2,25 in	37,1 m	Type		PDC	Stroke Length	5 in	5 in			
			Jar	4,75 in	2,2 in	9,26 m	Model		WFT#02	Efficiency %	95				
			NM/HWDP	4,75 in	2,75 in	175,95 m	Jets		11, 11, 11, 11, 11	m³/str	0	0			
			NMHWDP+Pulse	4,75 in	3 in	11,16 m	TFA		0,464 in²	SPM	220				
			Bit+Motor +Float	5 in	1,5 in	10,6 m	Jet Velocity		56 m/s	m³/s	0	0			
Open Hole			FIT / LOT			Jet Impact Force		242 lbf		Circulation					
nominal	actual	Depth MD				Bit HHSI		1,43 W/m²		B/U Time	51 min	Down Time	9 min	Tot.Cir Time	80 min
6,13 in	6,19 in	2615,3 m				Bit Press Drop		19 bar		B/U Strokes	11182	Down Str	1958	Total Circ Str	17502
						ECD @ Shoe		1,17 SG		AV max	2,5 m/s	Δp Bit	19 bar	Δp Annulus	13,64 bar
						ECD @ Bit		1,2 SG		AV min	0,55 m/s	Δp Pipe	163 bar	Δp Total	196 bar
Properties			1	2	3	4	Specifications			Mud System					
Fluid Type			AMC Drillcarb		AMC Drillcarb					AMC Drill Carb					
Sample Source			Trip/ Suction		Trip/ Suction					Fluid Treatments					
Time			15:00:00		12:30:00					viscosity increase slowly while drilling clayformation. Added 10 m³ fresh mixed mud with Aus Dex,Aus Buffer. Mixing 4m³Slug SG 1,23					
Depth			m		2608		2615								
Flowline Temp			°C		60		63					Losses: 0 m³ Total losses : 3,4 m³			
Mud Weight			SG		1,14 @ 40 °C		1,14 @ 50 °C		1,1 - 1,15						
Funnel Viscosity			sec/qt												
Plastic Viscosity			cP		14 @ 50 °C		13 @ 50 °C								
Yield Point			lbf/100 ft²		38		35		15 - 30						
FANN 600 / 300 rpm			°deflection		66 / 52		61 / 48								
FANN 200 / 100 rpm			°deflection		44 / 35		44 / 35								
FANN 6 / 3 rpm			°deflection		15 / 13		14 / 11								
10 sec / 10 min gel			°deflection		15 / 18		10 / 17								
30 min gel			°deflection												
pH					10		10								
API Fluid Loss			ml/30min		4,8		4,6								
HTHP Fluid Loss			ml/30min												
HTHP Press / Temp			bar / °C												
Cake API / HTHP			mm		0,4 /		0,4 /								
P _m			ml		0,5		0,4								
Pr / Mr			ml		0,2 / 0,4		0,2 / 0,4								
Total Hardness			mg/l		260		220								
Calcium Hardness			mg/l		0		0								
Chlorides			mg/l		54700		54700								
Retort Oil / Water			%		0 / 92,1		0 / 92,1								
Corr. Water Content			%		94,99		94,99								
Corr. Solids Content			%		5,01		5,01								
Sand Content			%		0,5		0,5								
MBT			kg/m³		14,3		14,3								



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