

Client:

CNRL

PRESSURE EQUIPMENT DATA REPORT

		EQ	UIPM	ENT GEN	IERAL INFO	DRMATION					
District:	Med	licine Hat									
Facility:	Gra	nd Forks	East								
Location /LSD:	04-0	01-013-13	3W4		Operatir	Operating Province: Alberta					
Equipment Name:	FRE	E WATE	R KN	OCK OUT	-	-					
Equipment Status:	Ope	rating			Orienta	tion:	Н	orizontal			
Skid No.:	<u> </u>				Unit:						
			EG	QUIPMEN	T STATIC D	ATA					
AB Registration No.:	016144	4			Serial No.:		LM-1671				
Registration No./Other:					Equipment	No.:	N/S				
CRN NO.:	C-8805.	2			Unique ID N	o.:					
National Board No.:	N/S				Oncor ID No).:	158937				
Manufacturer:	C.E Nato	co			Year Built:		1980				
MAWP:	75.00	(psi)	517.1	1 (Kpa)	Temperature	e:	200.00	(F)	93.33	(C)	
Diameter.:	92.000	(ln)	2336.	.80((mm)	Length:		240.00	(In)	6096.00	(mm)	
Radiography:	RT2				Heat Treatm	ent:	No				
Corrosion allowance:	0.000	(ln)	0.000	(mm)	MDMT:						
Lining Or Coated:	ining Or Coated:				Painted: Yes						
Insulated:	Yes			Internally C	lad:						
Hand Hole:	-				Support Typ		Saddle				
Manway:	Yes					Manway Size(In): 16.00 Nozzle Rating: 150.00					
Capacity/Volume(m3):			ΜΔ	TERIAI S	_	Nozzle Rating: 150.00 /COMPONENTS					
	oint	Outside		TENTALO	7001111 0111	Material	Str	ess	No	minal	
Namo	fficiency	Diameter(Head [*]	Гуре	Туре		e (PSI)		ness(In.)	
SHELL	1.00	92.000				SA-285 C	1;	3800		0.31	
HEAD	1.00	92.000)	Ellip	soidal	SA-285 C	13800			0.50	
HEAD B	1.00	92.000		Ellip	soidal	SA-285 C	1;	13800		0.63	
			,	PIPING S	STATIC DAT	Ά	1				
Primary Flange Rating:	150				ASME B16.5	ASME B16.5 - Table 2-1.1 @ 150F:			285 (psi)		
Pressure Use For TMin:	Vess De	sign Press			Piping Opera	Piping Operating Press:			75 (psi)		
Stress Value:	20000 (psi)			E Value:			1.00	Joint:	SMLS		
				SERVICE	CONDITIO	NS			,		
Sweet	Sour	✓		Oil		Gas		Water	r		
Amine	LPG			Condensate)	Air		Glyco	ol		
				CON	MENTS						



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<u> FOTAL INTEGRITY MANAGEMENT SOLUTION</u>

Client/Supervisor Signature/Date:

VISUAL INSPECTION REPORT

District:		Medicine Hat		Facility: Grand Forks East		Location/LSD:	04-0	1-013-13W4			
Equipmen	t Name:	FREE WATER	KNOCK OUT	Г			Prov Reg No. :	0161	444		
Serial No.:		LM-1671		Equip No.:	N/S		National Board No.:	N/S			
				INTER	NAL INSPEC	TION					
INSPECTIO	ON DATE:	May 3, 2016	INSPI	PECTION INTERVAL: NEXT IN			NSPECTION DATE:				
ITEM				CONDITION	DITION INSPECTION COMMENTS						
COATING				ACCEPT							
ANODES			,	ACCEPT	CCEPT						
INTERNAL	PIPING		,	ACCEPT							
TRAYS			1	N/A							
BAFFLES,	DEFLECTO	R PLATES, ETC	,	ACCEPT							
воттом н	IEAD		,	ACCEPT							
TOP HEAD			,	ACCEPT							
SHELL SEC	CTIONS		,	ACCEPT							
DEMISTER	PAD		!	N/A							
WELDS			,	ACCEPT							
REPAIRS R	REQUIRED		1	N/A							
NDE			1	N/A	VTI						
OTHER			1	N/A							
				RECO	MMENDATIC	NS:					
VESSEL IS	FIT FOR SE	RVICE									
I have perforn	med the abov	e inspections and ce	ertify that they ha	ive been done in acc	ordance with our appr	oved manual and t	hat the information is accur	ate.			
Inspector:	Selva Nada	r			Signature:	Oskumag.			May 3, 2016		
REPORT SIGN-OFF											
Where required , the above reports has been reviewed and accepted as noted below:											
WQS Sup	ervisor Na	me:									
WQS Supervisor Title/Cert No.:							Cert No.:				
WQS Sup	ervisor Siç	gnature/Date:					Date:				
Where requ	uired , the a	bove reports has	been reviewed	l and accepted as	noted below:						
Client Sup	pervisor N	ame:									
Client Sup	pervisor Ti	tle/Cert No.:									

Date:



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TOTAL INTEGRITY MANAGEMENT SOLUTIONS

PRESSURE RELIEF VALVE SUMMARY

District:	Medicine I		1		S East		on/LSD:	04-01-013-13W4			
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				PSV	STATIC DATA						
Tag/Equip N	o.:	0401-1A			Serial No.:		52256				
Manufacture	er:	WELLMARK			CRN No.:						
Model No.:		9503-125N			Code Stamp:						
Side (Shell c	or Tube):	Shell			Outlet Size:		3				
Inlet Size:		3			Outlet Type / ANS	SI Rating:	Flanged	/ 150			
Inlet Type / A	NSI Rating:	Flanged	/ 150								
			P	'SV S	SERVICE DAT	Ä					
Set Date:		1 May, 2016		S	ervice Interval:	60					
Set Pressure		75		С	apacity (scfm):	3528					
Service Com	npany:	TARPON ENER	GY SERVICES LTD		ext Service Date:	1 May, 2021					
			PS	V FIE	LD INSPECT	ION					
Inspector S		Company	Western Quality Services	Sign	ature:	Nku	maj.	Inspection Date:	03-May-2016		
mapeedion 1	ypc.										
		INLET:	No Blinds found I	btwn ve	essels and psv inlet				Accept		
	BLINDS	OUTLET	: No blinds found b	otwn PS	nt			Accept			
NS NS		INLET:	No reducers found by a Vegent/a) and DSV latet								
RESTRICTIONS	REDUCERS OUTLET:		No reducers four	No reducers found btwn PSV and Discharge Point Accept							
STR	INLET:		No block valve	No block valve Accept							
S.	BLOCK VALVES OUTLET:			No block valve Accept							
9	SET PRESSU	JRE	PSV set pressur system.	e is at o	or less than MAWP of	f all linked vesse	els in the		Accept		
SERVICING	SERVICE DA	TE	PSV set date is	current	at time of inspection				Accept		
SEF	SERVICE SE	AL	Service seal is in	Service seal is intact Accept							
7	TAGGING		Service tag is p	roperly	attached to the psv				Accept		
Į O I	VIBRATION		None	None Accept							
OPERATION	DISCHARGE		PSV Discharge	PSV Discharge point is in a safe location and is acceptable Accept					Accept		
О	LEAKS	INLET:	No visible leaks	No visible leaks found at psv inlet connection					Accept		
		OUTLET	: No visible leaks	No visible leaks found at psv outlet connection Accept					Accept		
-ATION	PSV SUPPORTS		PSV supported	PSV supported Accept							
INSTALLATION	ANGLE		PSV is installed	d in the	proper upright positor	n		•	Accept		
			EQU	JIPM	ENT PROTEC	TED					
	. _	uipment No.	Serial No.					0.1			
Prov Reg N	VO. I ⊢^	IIIDMent No 🕛			Equipment I	Name		Status	MAWP		



Client: **CNRL**

TOTAL INTEGRITY MANAGEMENT SOLUTIONS

PHOTOGRAPHS

EQUIP NAME:	FREE WATER KNOCKOL	JT#2		PROV REG No.:	0161444	
SERIAL No.:	LM-1671	Equip No.:	N/S	National Board No.:		



NAMEPLATE



INTERNAL FROM WEST MANWAY



ANODE #1



NAMEPLATE



WEST SIDE INTERNAL ON THE BOTTOM OF SHELL



ANODE #1

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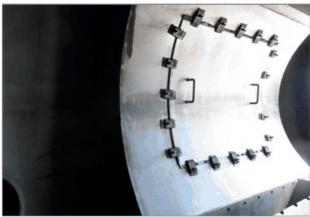
TOTAL INTEGRITY MANAGEMENT SOLUTIONS

PHOTOGRAPHS

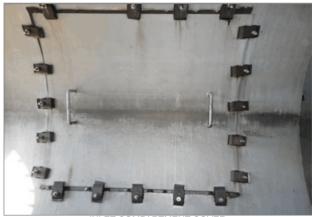
EQUIP NAME:	FREE WATER KNOCKOL	JT#2	PROV REG No.:	0161444	
SERIAL No.:	LM-1671	Equip No.:	N/S	National Board No.:	



SHELL WELD T JOINT



INLET COMPARTMENT COVER



INLET COMPARTMENT COVER



INTERNAL PIPING



ANODE #2



EAST SIDE DISCHARGE (BOTTOM)

NOTES:



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PHOTOGRAPHS

EQUIP NAME:	FREE WATER KNOCKOL	JT#2	PROV REG No.:	0161444	
SERIAL No.:	LM-1671	Equip No.:	N/S	National Board No.:	



EAST SIDE DISCHARGE (TOP)



MANWAY WEST SIDE



WEST SIDE HEAD



EAST SIDE DISCHARGE SHELL T JOINT



OVERALL INSIDE BUILDING



OVERALL OUTSIDE BUILDING

NOTES:



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TOTAL INTEGRITY MANAGEMENT SOLUTIONS

PHOTOGRAPHS

EQUIP NAME:	FREE WATER KNOCKOL	JT#2		PROV REG No.:	0161444	
SERIAL No.:	LM-1671	Equip No.:	N/S	National Board No.:		



EQUIPMENT#



PSV NAMEPLATE



PSV TAG

