

Client Work Order:		Report Number: 12212A		Date: Octob	er 18,	, 2020	Page 1 of 8	
PRN Number: A 0126332	Descript 25,300 G	ion: al. Western Rock Bit vessel CRN	C-4936	.23	-	Location: Dalemead, AB		
Max. Allowable Working Pi 225 PSI		Max. Allowable Working Temper 150°F	ature:	ure: Inspection Spec: ASME V, API 510				
Preparation for Inspectio	n							
Daily toolbox talk. Check all safety equipment	t, tools, ins	eview JHA, Rescue plan, safe w pection equipment. Report defic safe for entrants without SABA.					formation.	
		Safety						
Inspection Points		·	Ir		N/A		Comments	
1. Have all safety precautions	been undertal	ken?						
2. Do previous inspection repo			X				has manway addition	
<ol> <li>Did any abnormal process c</li> </ol>	onditions or	listurbances occur since the last	V			and de-	rated to 225 psi	
inspection? If yes, specify.	onutions of o							
		External Ladders and Acce			NT/A		Commenter	
nspection Points Check			Ir Ord		N/A		Comments	
		atforms, or walkways that are connected corrosion, missing components, or			V			
nspection Points Check		Support Structure	Ir Ord	ler	N/A		Comments	
. If applicable, check vessel s deflection, and/or corrosion		gns of deterioration, settlement,	V				kid mounted. No ent evident.	
If applicable, check coating	s, insulation a	nd/or fireproofing for signs of	V			Insula	tion in good conditior	
	ited vessels, c	g, and/or film lifting? heck for signs of trapped moisture, le support and vessel shell?	V				dence of possible CU dence of corrosion in isible	
condensation, resulting	g in corrosior	kirt support or support legs, check for on the bottom cap/inside skirt support support legs to the bottom cap?			V			
. Is the grounding connection	properly inst	alled, with cable connections tight and	V				l connection is	
ground wires in good condit Check all bolted connection		ny signs of corrosion or mechanical	V				y secured. nage noted.	
damage?					./	X7 1		
. If applicable, is the vessel si	liding foot fre	te to move, are hold-down bolts free? Vessel External Surfaces				Vessel	is welded to pier.	
nspection Points			Ir Ord		N/A		Comments	
. Are permanent identifying t	ags on vessel	, and legible?	V					
	f not less that	tend fully through their nuts, having a none thread? Do flange bolts have bolt pecify.	V			Discon	nected and blinded	
. If applicable, ensure bolted	connections a	are in full contact with connected	V					
		corrosion or mechanical damage? nds and clips for signs of corrosion or	V			Bands	and clips sound	
. Check all welded seams and cracking, pitting or other sig	gn of failure?		V			fully in	sible externally. Vesses	
and insulation, show signs of	of leaks, crack	surface of the vessel, including coatings as, deformation, distortion, pitting, ? If so, specify type, location and extent.	V			No sigi corrosi	ns of leaks, cracks or on.	
If applicable, do weep holes						Not vis	sible	
nonaction Deinte		Piping/Instrument Attachm		NT/A			Commente	
nspection Points			In Order	N/A		(	Comments	
		uges, sight glasses, valves and other on, or missing components, etc.?			A	ll vessel tr	im in good condition	

# CEG Group

## **Pressure Vessel Thorough Inspection Report**

Client Work Order:	1	Report Number: 12212A		Date:Page 2 of 8October 18, 2020					
PRN Number: A 0126332	Description: 25,300 Gal. Western Rock Bit vessel CRN C-4936.23					Location: Dalemead, AB			
Max. Allowable Working Pro 225 PSI	Max. Allowable Working Pressure:Max. Allowable Working Temperature:Inspe25 PSI150°FASM								
<ol> <li>If applicable, is the PSV on the PSV.</li> </ol>	he vessel in cal	ibration? Record tag number of			Vessel deco	ommissioned			
	of distortion of		V		All fittings condition	and nozzles in good			
	~F)	Vessel Internal Surfac	es						
Inspection Points			In Order	N/A		Comments			
<ol> <li>Check for signs of corrosion, other forms of deterioration of location and extent.</li> </ol>	V		surfaces. So corrosion ev	internal coating over al ome minor scattered vident. Less than 0.040 sible beneath coating					
<ol> <li>Check all welded joints. Are cracking, pitting or other sign</li> </ol>			V		No visible s through coa	signs of deterioration			
<ol> <li>Check all manways, nozzles wall loss, and other kind of d type, extent and location.</li> </ol>	V		-	zzle shows some n nozzle less than 0.05					
<ol> <li>If applicable, do the results o wall thickness loss when con on inspection report.</li> </ol>	V			f corrosion survey jectable wall loss.					
5. Where applicable, check vess buckling, cracks, holes, etc.?	sel internal clac If so, specify t	lding for signs of bulging,		٧					
6. Where applicable, does the v	essel internal c	oating show signs of deterioration ? If so, specify type, location and	V		liquid retair areas show staining or	sual inspection due to ted in bottom. Visible no signs of blisters, rus film lifting. Some roduct residue adherin			
7. If possible, check gasket seat and/or mechanical damage?	s on all flanges	. Check for signs of corrosion	V		Gasket seat	ing surface on both			
		Internal Equipment/Piping/S	Supports			8			
Inspection Points			In Order	N/A		Comments			
1. Where applicable, check sup			V			ing attached by flange			
deterioration?	internals for sig	gns of corrosion, distortion and	V		no corrosion Piping show deterioratio	vs no sign of			
		in full contact with connected other deleterious material that may	V		All bolted c	onnections sound			
· · ·		Additional Testing Require	ements						
			In Order	N/A		Comments			
<ol> <li>Is further NDE required?</li> <li>Are all affected areas requiring</li> </ol>		destructive testing or repair	V	V					
marked with a chloride free r	narker?	Documentation of Findi	ings						
			In	N/A		Comments			
<ol> <li>Have drawings been marked Ensure they are brought to th</li> </ol>		anomalies or areas of concern?	Order	V					
		uired? If so, notification number.	v		Client resp	onsible			
<ol> <li>If findings, ensure the Client off sheet is signed, if applical</li> </ol>	's representativ ble.	e has been notified. Ensure sign		V					
		ARE TO BE USED AS PER APP O RECORD INSPECTION RES							



PO BOX 80061, 11700 Sarcee Trail NW, Calgary, ALBERTA T3R 0B2 Phone: (403) 803-9587 email: doug.copping@ceggroup.ca

Client Work Order:		Report Number: 12212A	Date: October 18, 2020		Page 3 of 8
PRN Number: A 0126332	-	Description: 25,300 Gal. Western Rock Bit vessel CRN C-4936.23			ΔB
Max. Allowable Working Pressure:Max225 PSI150°		x. Allowable Working Temperature: °F	-	on Spec: V, API 510	

**Inspection Results:** 

Vessel meets the standards as set out in the applicable inspection spec. Limited UT results are acceptable. Visual inspection is acceptable.



Vessel s/n 12212A





Head A

Head B



Manway addition alteration



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PRN Number: A 0126332	Descrip 25,300				AB
8		Max. Allowable Working Temperatu 150°F	-	ction Spec: E V, API 510	



Data Plate



**Alteration Data Plate** 



		Report Number: 12212A		Page 5 of 8
PRN Number: \_0126332	Descri 25,300		-	18, 2020       Location:       Dalemead, AB
fax. Allowable Working P 25 PSI		Max. Allowable Working Temperat 150°F	ture: Inspecti	on Spec: /, API 510
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	- Alexandre	Gasket seating surface 16 in. ma	anway	1
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		Gasket seating surface 16 in. ma	anway	



Client Work Order:		Report Number:	Date:		Page 6 of 8
	12212A	October 18, 2020			
PRN Number:	Descripti	on:	Location:		
A 0126332	25,300 G	Western Rock Bit vessel CRN C-4936.23		Dalemead, AB	
8				Inspection Spec:	
225 PSI 150°		50°F	ASME V, API 510		



Internal view Head A



Internal view Head B



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Client Work Order:		Report Number: 12212A	Date: October 18, 2020		Page 7 of 8
PRN Number: A 0126332	1	Description: 5,300 Gal. Western Rock Bit vessel CRN C-4936.23			AB
Max. Allowable Working Pressure:Max225 PSI150°		ux. Allowable Working Temperature: °F	ature: Inspection Spec: ASME V, API 510		



#### Pitting on shell



Pitting on shell



Client Work Or	rder:	Repor	rt Number: 12212A	Date: October	Page 8 of 8		
PRN Number: A 0126332	Descri 25,300		n Rock Bit vessel CRN C-493	•	Location: Dalemead, AB		
Max. Allowable 225 PSI	e Working Pressure:	Max. Allow 150°F	able Working Temperature:		on Spec: V, API 510		
		P	itting on 16 in. manway				
Recommendation							
soundly coated		ng over entire	e prior to coating. All pits me internal vessel surface, inclu				
	le for continued servio						
I certify that themeets(meets/ does not me	the standard(s) ind			of this in tended use.	spection, the vessel in question		
Do	oug Copping				October 18, 2020		
In	spector Name		Inspector Signature		Date Performed		
Final Sign Off	Lead Inspec Tech (LIT		Client Responsible		Chief Inspector		
Name	Doug Cop		Darcy Harbourne	è			
Sign							
Date	October 20,	2020					
Copied To:	Client Responsi	ble					