



# PRESSURE VESSEL - VISUAL INTERNAL INSPECTION REPORT

District:	GRANDE PRAIRIE	Facility	Spirit River South	Location/LSD	08-09-077-07W6
Equipment Name	FLARE KNOCKOUT DRUM			Prov Reg No.:	0462576
Serial No.:	11796	Equip No.:		National Board No.	

VTI INSP

Accept

Client: CNRL

INSPECTOR JAMES TANASICHUK

VITUS INTERNAL REVIEW BY: Kevin Billesberger

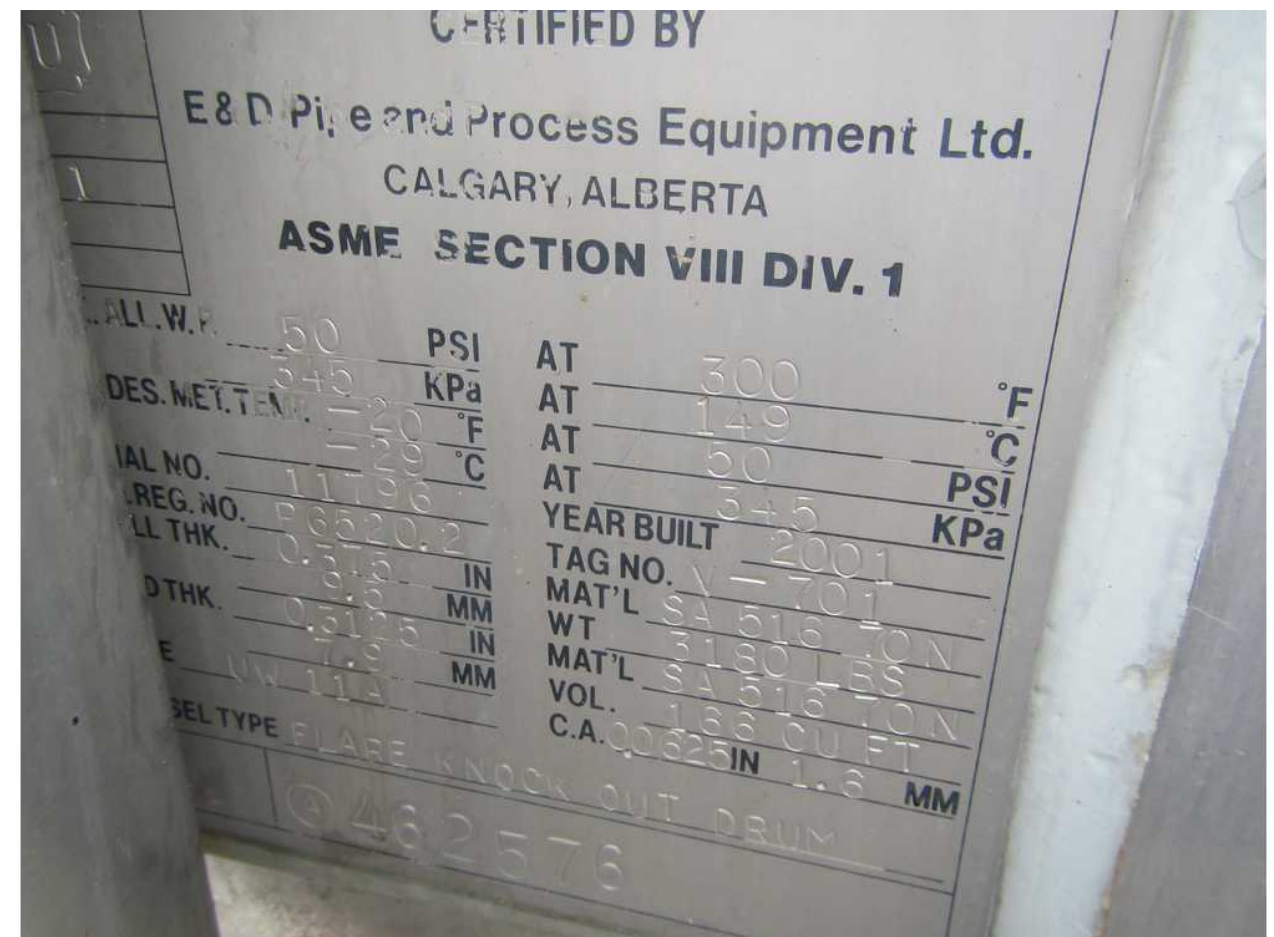
DATE: 06 July 2022

CLIENT SIGNOFF

DATE:

## PRESSURE VESSEL STATIC DATA

<b>Equipment Status:</b>	Operating					<b>Orientation:</b>	Horizontal				
<b>Skid No.:</b>						<b>Unit:</b>					
<b>EQUIPMENT STATIC DATA</b>											
<b>AB Registration No.:</b>	0462576					<b>Serial No.:</b>	11796				
<b>Registration No./Other:</b>						<b>Equipment No.:</b>					
<b>CRN NO.:</b>	P6520.2					<b>Unique ID No.:</b>					
<b>National Board No.:</b>						<b>Oncor ID No.:</b>	182689				
<b>Manufacturer:</b>	E & D PIPE AND PROCESS EQUIPM					<b>Year Built:</b>	2001				
<b>MAWP:</b>	50.00	(psi)	344.74	(Kpa)		<b>Temperature:</b>	300.00	(F)	148.89	(C)	
<b>Diameter.:</b>	36.000	(In)	914.400	(mm)		<b>Length:</b>	120.00	(In)	3048.00	(mm)	
<b>Radiography:</b>	RT1					<b>Heat Treatment:</b>	No				
<b>Corrosion allowance:</b>	0.063	(In)	1.588	(mm)		<b>MDMT:</b>	-20.00				
<b>Lining Or Coated:</b>	No					<b>Painted:</b>	Yes				
<b>Insulated:</b>	Yes					<b>Internally Clad:</b>	No				
<b>Hand Hole:</b>	No					<b>Support Type:</b>					
<b>Manway:</b>	Yes					<b>Manway Size(In):</b>					
<b>Capacity/Volume(m3):</b>						<b>Nozzle Rating:</b>					
<b>MATERIALS/COMPONENTS</b>											
<b>Name</b>	<b>Joint Efficiency</b>	<b>Outside Diameter(in.)</b>	<b>Head Type</b>	<b>Material Type</b>	<b>Stress Value (PSI)</b>	<b>Nominal Thickness(In.)</b>					
SHELL	1.00	36.000		SA-516 70	20000	0.38					
HEAD	1.00	36.000	Ellipsoidal	SA-516 70	20000	0.31					
<b>PIPING STATIC DATA</b>											
<b>Primary Flange Rating:</b>	150					<b>ASME B16.5 - Table 2-1.1 @ 150F:</b>	285 (psi)				
<b>Pressure Use For TMin:</b>	Vess Design Press					<b>Piping Operating Press:</b>	50 (psi)				
<b>Stress Value:</b>	20000 (psi)					<b>E Value:</b>	1.00	<b>Joint:</b>			
<b>SERVICE CONDITIONS</b>											
<b>Sweet</b>	✓	<b>Sour</b>		<b>Oil</b>		<b>Gas</b>	✓	<b>Water</b>			
<b>Amine</b>		<b>LPG</b>		<b>Condensate</b>		<b>Air</b>		<b>Glycol</b>			
<b>COMMENTS</b>											






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## VISUAL INTERNAL INSPECTION

INTERNAL INSPECTION			
INSPECTION DATE:	Jul 5, 2022	INSPECTION INTERVAL	
		NEXT INSPECTION DATE:	
ITEM	CONDITION	INSPECTION COMMENTS	
COATING	ACCEPT	COATING INTACT NO BLISTERING OR FLAKING MINOR MANWAY CHIP REPAIR	
ANODES	N/A		
INTERNAL PIPING	N/A		
TRAYS	N/A		
BAFFLES, DEFLECTOR PLATES, ETC	ACCEPT	2 DEFLECTOR PLATES COATED	
BOTTOM HEAD	ACCEPT	EAST HEAD GOOD CONDITION	
TOP HEAD	ACCEPT	WEST HEAD GOOD CONDITION	
SHELL SECTIONS	ACCEPT	2 SECTIONS NO VISIBLE CORROSION FOUND	
DEMISTER PAD	N/A		
WELDS	ACCEPT	WELDS IN GOOD CONDITION	
REPAIRS REQUIRED	N/A		
NDE	N/A		
OTHER			
RECOMMENDATIONS:			
FIT FOR SERVICE			
I have performed the above inspections and certify that they have been done in accordance with our approved manual and that the information is accurate.			
Inspector:	Jamey Tanasichuk	ABSA PESL #:00041	Signature:  Date: Jul 5, 2022



REPAIR

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## ADDITIONAL PHOTO'S

