



ULTRASONIC INSPECTION  
REPORT #13762-UT3

JOB INFORMATION

CLIENT: Ovintiv Canada	DATE: October 21, 2024
CUSTOMER: Ovintiv Canada	CLIENT CC #:
LOCATION: Grande Prairie Laydown Yard	NDE REQUEST: Verbal
PROJECT: Maintenance Flare Stack Integral FKO	ACCEPTANCE CODE: ASME Section VIII Division 1/B31.3, Current Edition
ITEM I.D. # ENC-143-02	CLIENT SPEC: Client Information

ULTRASOUND EQUIPMENT

INSPECTION METHOD: Manual Contact Scanning Thickness Measurement		PROCEDURE #: NDT-UT-310	REVISION: 4
ULTRASONIC EQUIPMENT: Sonatest D-20+ A-Scan Flaw Detector		SERIAL #: I006869	CAL. DATE: 2024-02-14
CALIBRATION STANDARD No.1: 0.100" to 0.500" 5 Step Wedge	SERIAL #: 14-1215	REF. HEIGHT: 80%	REF. SIZE: Backwall
CALIBRATION STANDARD No.2: 0.250" to 1.000" 4 Step Wedge	SERIAL #: 13-5173	REF. HEIGHT: 80%	REF. SIZE:
CALIBRATION STANDARD No.3: 0.500" to 2.000" 4 Step Wedge	SERIAL #: FMC02010	REF. HEIGHT: 80%	REF. SIZE:
COUPLANT: UT-X	TEMPERATURE (°C): 0 to -10	EXAMINATION SURFACE: Painted	

TRANSDUCER	ANGLE	FREQUENCY	SIZE (mm)	MANUFACTURER	SERIAL No.	CABLE TYPE/LENGTH	RANGE (mm)	REF. dB	SCAN dB
1	0° Dual P/E	5.0MHz	6.35	Sonatest	2403/51	2.0m Dual BNC x Microdot	30	54 to 60	60 to 66
2									
3									

INSPECTION SUMMARY

JOB SCOPE: Perform an ultrasonic thickness test of the above listed equipment as requested.

RESULTS: 1. See the attached report for thickness measurement locations (TML) and corresponding values.

INSPECTION NOTES: 1. **THICKNESS MEASUREMENT LOCATION (TML)** and **DESCRIPTION** of wall thickness values found below flag thickness are noted in **BLUE** for quick reference.  
2. Thickness readings taken where accessible.

\*Flag thicknesses used for process piping are for reference only and are NOT pressure rated calculated minimums, unless supplied by the customer. Client is to refer to ASME or IRP standards for guidelines for pressure rated minimums.

CLIENT REP: Dan Morrison  
TECHNICIAN: Tyler Gruending #11808 UT2 MT2 PT2  
ASSISTANT:  
REPORT BY: Tyler Gruending

REVIEWED BY:



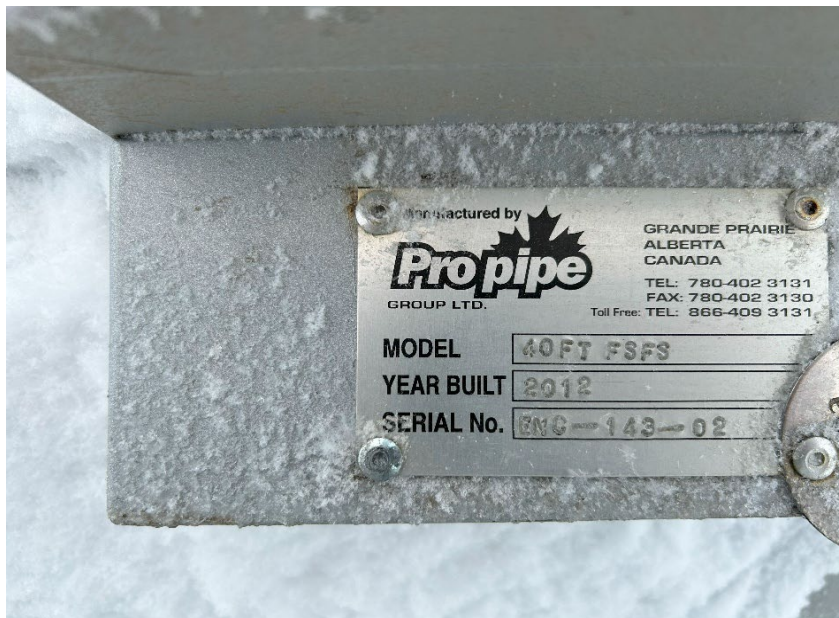
OVINTIV CANADA  
LAYDOWN YARD  
GRANDE PRAIRIE, AB

DRAWING #	ITEM DESCRIPTION	REG A#	SERIAL #	CRN #	DATE OF LAST INSPECTION	U1-A OR MFG DESIGN DATA REQ'D	FLAGGED ITEMS
1	Flare Stack Integral Flare Knockout	NA	ENC-143-02	NA	2024-10-21		<a href="#">1-05</a> , <a href="#">1-10</a> , <a href="#">1-15</a> , <a href="#">1-20</a> , <a href="#">1-55D</a> , <a href="#">1-60</a> , <a href="#">1-70</a> ,



CLIENT: Ovintiv Canada  
FACILITY: Laydown Yard  
SURFACE LOCATION: Grande Prairie, AB  
EQUIPMENT DESCRIPTION: Flare Stack Integral Flare Knockout

EQUIPMENT NUMBER: NA  
SERIAL NUMBER: ENC-143-02  
REG A NUMBER: NA  
DRAWING NUMBER: 1



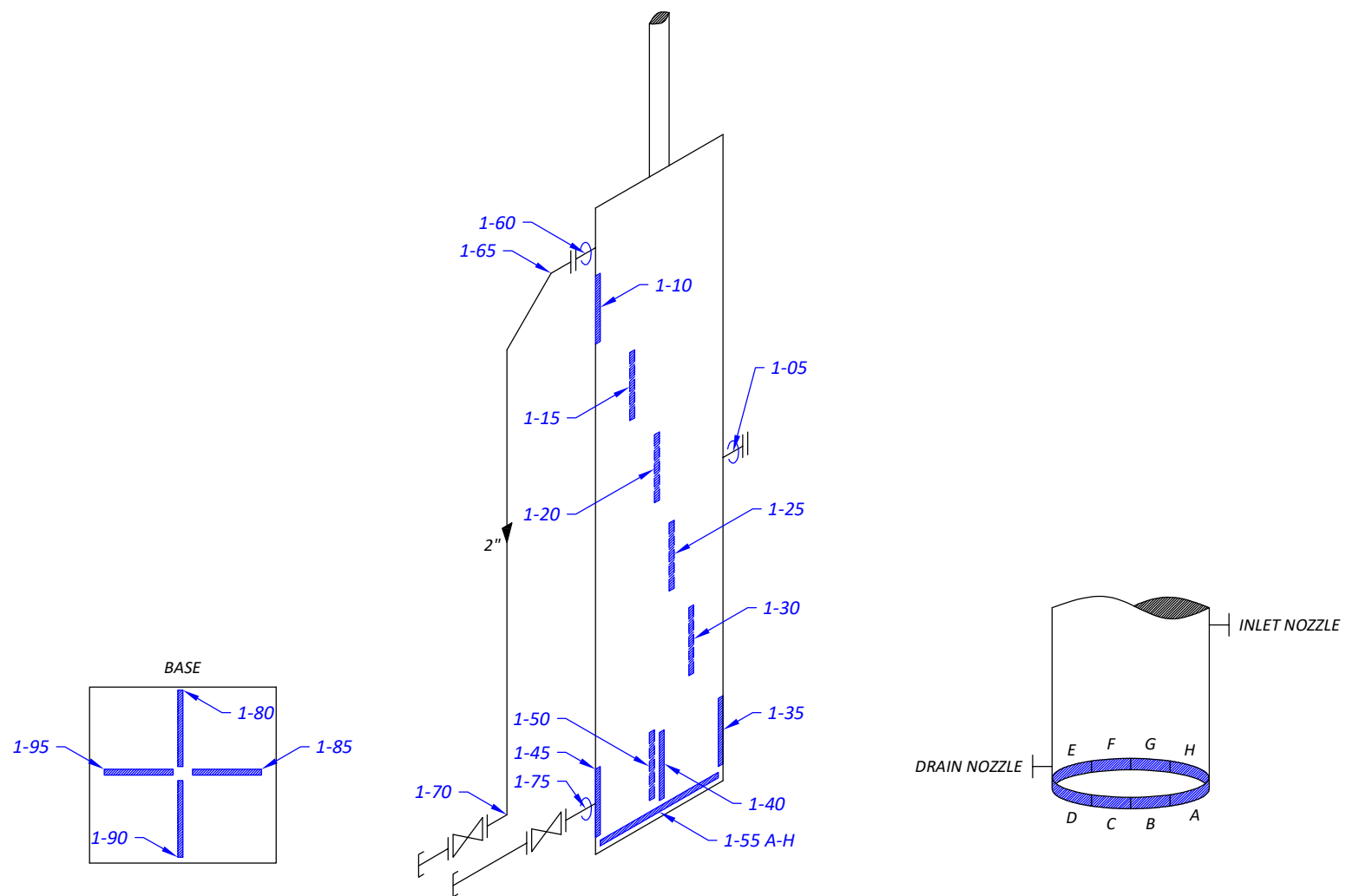




CLIENT: Ovintiv Canada  
FACILITY: Laydown Yard  
SURFACE LOCATION: Grande Prairie, AB  
EQUIPMENT DESCRIPTION: Flare Stack Integral Flare Knockout

EQUIPMENT NUMBER: NA  
SERIAL NUMBER: ENC-143-02  
REG A NUMBER: NA  
DRAWING NUMBER: 1







CLIENT: Ovintiv Canada  
FACILITY: Laydown Yard  
SURFACE LOCATION: Grande Prairie, AB  
EQUIPMENT DESCRIPTION: Flare Stack Integral Flare Knockout

EQUIPMENT NUMBER: NA  
SERIAL NUMBER: ENC-143-02  
REG A NUMBER: NA  
DRAWING NUMBER: 1

UTS DATA SHEET			NOMINAL THICKNESS (mm)	CORROSION ALLOWANCE (mm)	FLAG THICKNESS (mm)
TML:	1-05	DESCRIPTION: Circ of 4" Inlet Nozzle	6.0	0.8	5.2
DATE:	2024-10-21				
MINIMUM:	5.1				
AVERAGE:	5.5				
COMMENTS:					
TML:	1-10	DESCRIPTION: Upper Shell Vertical Band			
DATE:	2024-10-21				
MINIMUM:	12.0				
AVERAGE:	12.4				
COMMENTS: Shallow corrosion noted throughout band.					
TML:	1-15	DESCRIPTION: Upper Shell Vertical Band			
DATE:	2024-10-21				
MINIMUM:	11.8				
AVERAGE:	12.3				
COMMENTS: Shallow corrosion noted throughout band.					
TML:	1-20	DESCRIPTION: Mid Shell Vertical Band			
DATE:	2024-10-21				
MINIMUM:	11.6				
AVERAGE:	12.2				
COMMENTS: Shallow corrosion noted throughout band.					
TML:	1-25	DESCRIPTION: Mid Shell Vertical Band			
DATE:	2024-10-21				
MINIMUM:	12.6				
AVERAGE:	12.8				
COMMENTS:					
TML:	1-30	DESCRIPTION: Lower Shell Vertical Band			
DATE:	2024-10-21				
MINIMUM:	12.6				
AVERAGE:	12.8				
COMMENTS:					
TML:	1-35	DESCRIPTION: Lower Shell Vertical Band			
DATE:	2024-10-21				
MINIMUM:	12.0				
AVERAGE:	12.4				
COMMENTS: Measurement taken in the 12:00 position from inlet nozzle, 4" to 20" from base.					
TML:	1-40	DESCRIPTION: Lower Shell Vertical Band			
DATE:	2024-10-21				
MINIMUM:	12.2				
AVERAGE:	12.5				
COMMENTS: Measurement taken in the 3:00 position from inlet nozzle, 4" to 20" from base.					





CLIENT: Ovintiv Canada  
FACILITY: Laydown Yard  
SURFACE LOCATION: Grande Prairie, AB  
EQUIPMENT DESCRIPTION: Flare Stack Integral Flare Knockout

EQUIPMENT NUMBER: NA  
SERIAL NUMBER: ENC-143-02  
REG A NUMBER: NA  
DRAWING NUMBER: 1

NOMINAL THICKNESS (mm)	CORROSION ALLOWANCE (mm)	FLAG THICKNESS (mm)
------------------------------	--------------------------------	---------------------------

UTS DATA SHEET

TML:	1-45	DESCRIPTION:	Lower Shell Vertical Band
DATE:	2024-10-21		
MINIMUM:	12.5		
AVERAGE:	12.7		
COMMENTS: Measurement taken in the 6:00 position from inlet nozzle, 4" to 20" from base.			
TML:	1-50	DESCRIPTION:	Lower Shell Vertical Band
DATE:	2024-10-21		
MINIMUM:	12.6		
AVERAGE:	12.7		
COMMENTS: Measurement taken in the 9:00 position from inlet nozzle, 4" to 20" from base.			
TML:	1-55A	DESCRIPTION:	Bottom Shell Horizontal Band
DATE:	2024-10-21		
MINIMUM:	12.3		
AVERAGE:	12.5		
COMMENTS: Measurement taken in the 12:00 to 1:30 position from inlet nozzle, 0" to 4" from base.			
TML:	1-55B	DESCRIPTION:	Bottom Shell Horizontal Band
DATE:	2024-10-21		
MINIMUM:	12.2		
AVERAGE:	12.5		
COMMENTS: Measurement taken in the 1:30 to 3:00 position from inlet nozzle, 0" to 4" from base.			
TML:	1-55C	DESCRIPTION:	Bottom Shell Horizontal Band
DATE:	2024-10-21		
MINIMUM:	12.2		
AVERAGE:	12.5		
COMMENTS: Measurement taken in the 3:00 to 4:30 position from inlet nozzle, 0" to 4" from base.			
TML:	1-55D	DESCRIPTION:	Bottom Shell Horizontal Band
DATE:	2024-10-21		
MINIMUM:	11.9		
AVERAGE:	12.4		
COMMENTS: Measurement taken in the 4:30 to 6:00 position from inlet nozzle, 0" to 4" from base. Isolated corrosion noted.			
TML:	1-55E	DESCRIPTION:	Bottom Shell Horizontal Band
DATE:	2024-10-21		
MINIMUM:	12.5		
AVERAGE:	12.7		
COMMENTS: Measurement taken in the 6:00 to 7:30 position from inlet nozzle, 0" to 4" from base.			
TML:	1-55F	DESCRIPTION:	Bottom Shell Horizontal Band
DATE:	2024-10-21		
MINIMUM:	12.6		
AVERAGE:	12.7		
COMMENTS: Measurement taken in the 7:30 to 9:00 position from inlet nozzle, 0" to 4" from base.			



CLIENT: Ovintiv Canada  
FACILITY: Laydown Yard  
SURFACE LOCATION: Grande Prairie, AB  
EQUIPMENT DESCRIPTION: Flare Stack Integral Flare Knockout

EQUIPMENT NUMBER: NA  
SERIAL NUMBER: ENC-143-02  
REG A NUMBER: NA  
DRAWING NUMBER: 1

UTS DATA SHEET

			NOMINAL THICKNESS (mm)	CORROSION ALLOWANCE (mm)	FLAG THICKNESS (mm)
TML:	1-55G	DESCRIPTION: Bottom Shell Horizontal Band			
DATE:	2024-10-21				
MINIMUM:	12.5				
AVERAGE:	12.7				
COMMENTS:	Measurement taken in the 9:00 to 10:30 position from inlet nozzle, 0" to 4" from base.				
TML:	1-55H	DESCRIPTION: Bottom Shell Horizontal Band			
DATE:	2024-10-21				
MINIMUM:	12.3				
AVERAGE:	12.5				
COMMENTS:	Measurement taken in the 10:30 to 12:00 position from inlet nozzle, 0" to 4" from base.				
TML:	1-60	DESCRIPTION: Circ of 2" Outlet Nozzle	3.9	0.5	3.4
DATE:	2024-10-21				
MINIMUM:	2.6				
AVERAGE:	3.2				
COMMENTS:					
TML:	1-65	DESCRIPTION: 2" 90° Elbow	5.5	0.7	4.8
DATE:	2024-10-21				
MINIMUM:	5.4				
AVERAGE:	5.6				
COMMENTS:					
TML:	1-70	DESCRIPTION: 2" 90° Elbow	5.5	0.7	4.8
DATE:	2024-10-21				
MINIMUM:	4.1				
AVERAGE:	4.9				
COMMENTS:					
TML:	1-75	DESCRIPTION: Circ of 2" Drain Nozzle	3.9	0.5	3.4
DATE:	2024-10-21				
MINIMUM:	3.6				
AVERAGE:	4.0				
COMMENTS:					
TML:	1-80	DESCRIPTION: Base			
DATE:	2024-10-21				
MINIMUM:	26.3				
AVERAGE:	26.5				
COMMENTS:	Measurement taken in the 12:00 position from inlet nozzle.				
TML:	1-85	DESCRIPTION: Base			
DATE:	2024-10-21				
MINIMUM:	26.7				
AVERAGE:	26.9				
COMMENTS:	Measurement taken in the 3:00 position from inlet nozzle.				





CLIENT: Ovintiv Canada  
FACILITY: Laydown Yard  
SURFACE LOCATION: Grande Prairie, AB  
EQUIPMENT DESCRIPTION: Flare Stack Integral Flare Knockout

EQUIPMENT NUMBER: NA  
SERIAL NUMBER: ENC-143-02  
REG A NUMBER: NA  
DRAWING NUMBER: 1

NOMINAL THICKNESS (mm)	CORROSION ALLOWANCE (mm)	FLAG THICKNESS (mm)
------------------------------	--------------------------------	---------------------------

UTS DATA SHEET

TML: 1-90 DESCRIPTION: Base

DATE: 2024-10-21

MINIMUM: 26.3

AVERAGE: 26.6

COMMENTS: Measurement taken in the 6:00 position from inlet nozzle.

TML: 1-95 DESCRIPTION: Base

DATE: 2024-10-21

MINIMUM: 26.8

AVERAGE: 23.0

COMMENTS: Measurement taken in the 9:00 position from inlet nozzle.