



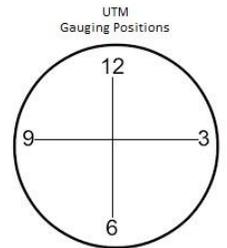
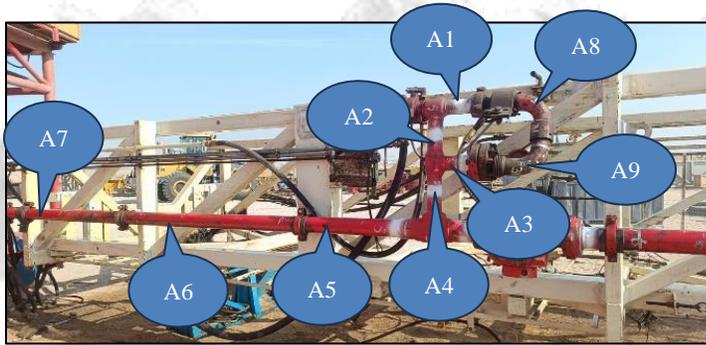
ABERDEEN TECHNICAL SERVICES AND GENERAL TRANSPORTATION

ULTRASONIC THICKNESS MEASUREMENT (UTM) CERTIFICATE



Client: Hilong Oil Services & Engineering		Location: Hilong base / Rig-99		Inspection Date: 10-Dec-2023	
Certificate No: ATS-12-23-2486-UTM-001		Work order and/or Job No.: ATS-12-23-2486		Inspection Due Date: 09-June-2024	
Item Description: Standpipe, 3" fig 1502, 35 Mpa (L joint pipe)					
Serial No: 1807003					
Relative Standards/Specifications: ASTM E 797 & Client Specifications			Material: 30CrMoA Low carbon alloy steel		
Surface Condition: brushed and cleaned			Surface Temperature: 22 C°		
Measuring Equipment					
UTM Instrument - Maker: HUATEC	Model: TG 4100	S. No.: 5500391	Calibration Date: 15.AUG.2023	Calibration Due Date: 14.FEB.2024	
Pit Depth Gauge - Maker: New Tech	Model: NAA-4-M11118	S. No.: 97594	Calibration Date: 17-Aug-2023	Calibration Due Date: 16-Feb-2024	

Sketch or picture (direct on this page or attached)



- 1: 12 O'clock position
- 2: 3 O'clock position
- 3: 6 O'clock position
- 4: 9 O'clock position

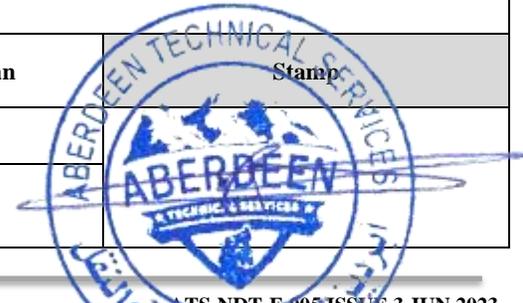
UTM Results

Position	Nominal Wall Thickness (mm)	Minimum Thickness (mm)	Measured Wall Thickness (mm)				Remarks
A1	14.00	10.30	18.88	18.78	18.55	18.78	Accepted
A2	14.00	10.30	18.88	18.55	18.64	18.47	Accepted
A3	14.00	10.30	19.18	19.10	19.15	19.22	Accepted
A4	14.00	10.30	13.79	13.80	13.45	13.77	Accepted
A5	14.00	10.30	18.66	18.65	18.77	18.45	Accepted
A6	14.00	10.30	13.38	13.45	13.44	13.25	Accepted
A7	14.00	10.30	13.77	13.75	13.25	13.85	Accepted
A8	14.00	10.30	17.75	17.65	17.75	17.76	Accepted
A9	14.00	10.30	17.65	17.66	17.68	17.65	Accepted

Result:

1- UTM WAS CARRIED OUT ON THE ABOVE-MENTIONED ITEM AND FOUND ALL ACTUAL WALL THICKNESS READINGS ACCEPTABLE ACCORDING TO CLIENT SPECIFICATIONS AT THE TIME OF INSPECTION.

Inspector Name:	Aram Dlawar	Reviewed by:	Hasan Omran
Qualification:	ASNT Level II	Date:	18-12-2023
Signature:		Signature:	



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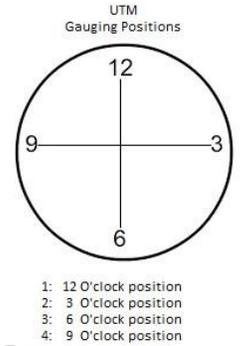
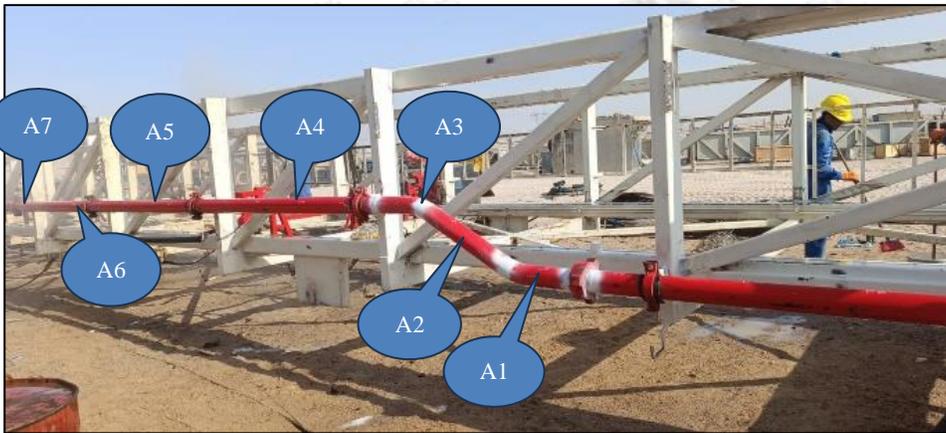


ABERDEEN TECHNICAL SERVICES AND GENERAL TRANSPORTATION

ULTRASONIC THICKNESS MEASUREMENT (UTM) CERTIFICATE



Client: Hilong Oil Services & Engineering		Location: Hilong base / Rig-99		Inspection Date: 10-Dec-2023	
Certificate No: ATS-12-23-2486-UTM-002		Work order and/or Job No.: ATS-12-23-2486		Inspection Due Date: 09-June-2024	
Item Description: Standpipe , 3” fig 1502 , 35 Mpa (S bend pipe)					
Serial No: 1807002					
Relative Standards/Specifications: ASTM E 797 & Client Specifications			Material: 30CrMoA Low carbon alloy steel		
Surface Condition: brushed and cleaned			Surface Temperature: 22 C°		
Measuring Equipment					
UTM Instrument - Maker: HUATEC	Model: TG 4100	S. No.: 5500391	Calibration Date: 15.AUG.2023	Calibration Due Date: 14.FEB.2024	
Pit Depth Gauge - Maker: New Tech	Model: NAA-4-M11118	S. No.: 97594	Calibration Date: 17-Aug-2023	Calibration Due Date: 16-Feb-2024	
Sketch or picture (direct on this page <input checked="" type="checkbox"/> or attached <input type="checkbox"/>)					



UTM Results

Position	Nominal Wall Thickness (mm)	Minimum Thickness (mm)	Measured Wall Thickness (mm)				Remarks
A1	14.00	10.30	13.00	13.10	13.21	12.99	Accepted
A2	14.00	10.30	13.68	13.33	13.41	13.52	Accepted
A3	14.00	10.30	13.13	13.25	13.45	13.22	Accepted
A4	14.00	10.30	13.79	13.80	13.45	13.77	Accepted
A5	14.00	10.30	14.58	14.62	14.33	14.45	Accepted
A6	14.00	10.30	13.79	13.80	13.45	13.77	Accepted
A7	14.00	10.30	13.38	13.45	13.44	13.25	Accepted

Result:
 1- UTM WAS CARRIED OUT ON THE ABOVE-MENTIONED ITEM AND FOUND ALL ACTUAL WALL THICKNESS READINGS ACCEPTABLE ACCORDING TO CLIENT SPECIFICATIONS AT THE TIME OF INSPECTION.

Inspector Name:	Aram Dlawar	Reviewed by:	Hasan Omran	
Qualification:	ASNT Level II	Date:	18-12-2023	
Signature:		Signature:		

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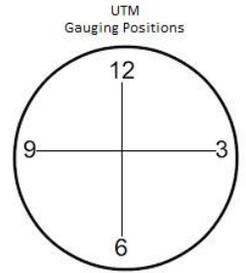
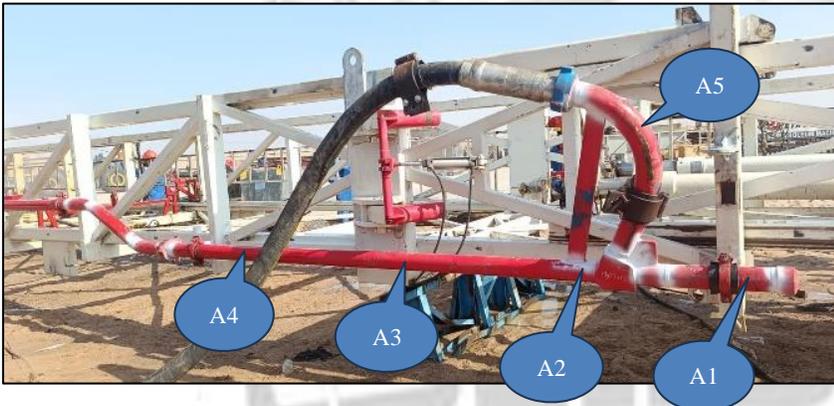


ABERDEEN TECHNICAL SERVICES AND GENERAL TRANSPORTATION

ULTRASONIC THICKNESS MEASUREMENT (UTM) CERTIFICATE



Client: Hilong Oil Services & Engineering		Location: Hilong base / Rig-99		Inspection Date: 10-Dec-2023	
Certificate No: ATS-12-23-2486-UTM-003		Work order and/or Job No.: ATS-12-23-2486		Inspection Due Date: 09-June-2024	
Item Description: Standpipe, 3" fig 1502 , 35 Mpa					
Serial No: 1807017					
Relative Standards/Specifications: ASTM E 797 & Client Specifications			Material: 30CrMoA Low carbon alloy steel		
Surface Condition: brushed and cleaned			Surface Temperature: 22 C°		
Measuring Equipment					
UTM Instrument - Maker: HUATEC	Model: TG 4100	S. No.: 5500391	Calibration Date: 15.AUG.2023	Calibration Due Date: 14.FEB.2024	
Pit Depth Gauge - Maker: New Tech	Model: NAA-4-M11118	S. No.: 97594	Calibration Date: 17-Aug-2023	Calibration Due Date: 16-Feb-2024	
Sketch or picture (direct on this page <input checked="" type="checkbox"/> or attached <input type="checkbox"/>)					



- 1: 12 O'clock position
- 2: 3 O'clock position
- 3: 6 O'clock position
- 4: 9 O'clock position

UTM Results							
Position	Nominal Wall Thickness (mm)	Minimum Thickness (mm)	Measured Wall Thickness (mm)				Remarks
A1	14.00	8.00	13.38	13.30	13.45	13.52	Accepted
A2	14.00	8.00	12.43	12.35	12.55	13.10	Accepted
A3	14.00	8.00	13.64	13.50	13.25	13.13	Accepted
A4	14.00	8.00	13.09	13.12	13.23	13.32	Accepted
A5	14.00	8.00	14.99	15.22	15.11	15.22	Accepted

Result:
 1- UTM WAS CARRIED OUT ON THE ABOVE-MENTIONED ITEM AND FOUND ALL ACTUAL WALL THICKNESS READINGS **ACCEPTABLE** ACCORDING TO CLIENT SPECIFICATIONS / OEM DOCUMENTS AT THE TIME OF INSPECTION.

Inspector Name:	Aram Dlawar	Reviewed by:	Hasan Omran
Qualification:	ASNT Level II	Date:	18-12-2023
Signature:		Signature:	



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