

MAJOR INSPECTION CERTIFICATE

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	HALLIBURTON		REPORT No.:	QC-24-4-TSS-021-NDT-MAJ-001			
LOCATION:	TSS WORKSHOP & INSPECTION TEST AREA		STANDARD:	ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019) & API 6A ASME B31.1			
WORK ORDER #	-		JOB NO:	QC-24-04-TSS-NDT-0113			
DATE OF INSP:	Sunday, April 7, 2024		INSP. DUE DATE:	ANNUAL INSPECTION			
TYPE OF INSPECTION:	VISUAL INSPECTION AND MAGNETIC PARTICLE INSPECTION AND PRESSURE TEST WITNESS						
DESCRIPTION:	3" 600 BALON VALVE		DIVERTER MANIFOLD SAP NO:	C 0131			
			SERIAL NO:	00MR8			
INSPECTION DETAILS							
Max. Working Pressure:	1440 PSI		Holding Time:	18 Min			
Low pressure:	100 PSI		Holding Time:	05 Min			
Pump S.N.:	13119220 Cal DUE. AUG.2024		Pressure Gauge NO.:	468066 Cal DUE. AUG.2024			
							
 ONLINE TRACEABILITY							
Inspection Evaluation							
(MPI) The Above Item Has No Significant Discontinuous At The Time Of Inspection And Found Acceptable Accordance To ASTM E709							
Pressure Test-The Above Item was Pressure Tested to 100 PSI A low Pressure Hold for 5 min And Maximum Working pressure 1440 psi Hold 18 min no Leak was Realized while testing & Pressure Was Stable Accordance To Chart Recorder Attached							
INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			
AC YOKE S.N:	201504048	CAL DUE DATE	12-Aug-24	White Contrast WCP-2	MANUFACTURE	BATCH NO	EXPIRE DATE
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	14-Aug-24		Magnaflux	220602	JUN,2025
UT THICKNESS GAUGE:	3997	CAL DUE DATE	14-Aug-24	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE
UT TEST BLOCK:	NoBo5087	CAL DUE DATE	14-Aug-24		Magnaflux	220605	JULY,2025
ASTM Test Block:	1657	CAL DUE DATE	12-Aug-24	Fluorescent Magnetic Ink 7HF	1.2 to 2.4 ml/100 ml		
WHITE LIGHT INTENSITY:	3620 lux						
PERSON DETAILS							
INSPECTOR NAME:	M. Shauzad Ahmed	SENIOR INSPECTOR:	NAVEED HUSSAIN	CLIENT:			
QUALIFICATION:		INSPECTION SUPERVISOR:	HANI ALI	HD&SIGN			
SIGNATURE & STAMP:				DATE:			

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THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	HALLIBURTON	REPORT No.:	QC-24-4-TSS-021-NDT-MAJ-002
LOCATION:	TSS WORKSHOP & INSPECTION TEST AREA	STANDARD:	ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019) & API 6A ASME B31.1
WORK ORDER #	-	JOB NO:	QC-24-04-TSS-NDT-0113
DATE OF INSP:	Sunday, April 7, 2024	INSP. DUE DATE:	ANNUAL INSPECTION
TYPE OF INSPECTION:	VISUAL INSPECTION AND MAGNETIC PARTICLE INSPECTION AND PRESSURE TEST WITNESS		

DESCRIPTION:	3" 600 BALON VALVE	DIVERTER MANIFOLD SAP NO:	C 0131
		SERIAL NO:	00MRM

INSPECTION DETAILS

Max. Working Pressure:	1440 PSI	Holding Time:	18 Min
Low pressure:	100 PSI	Holding Time:	05 Min
Pump S.N.:	13119220 Cal DUE. AUG.2024	Pressure Gauge NO.:	468066 Cal DUE. AUG.2024



Inspection Evaluation

(MPI) The Above Item Has No Significant Discontinuous At The Time Of Inspection And Found Acceptable Accordance To ASTM E709 (70.94158)

Pressure Test-The Above Item was Pressure Tested to 100 PSI A low Pressure Hold for 5 min And Maximum Working pressure 1440 psi Hold 18 min no Leak was Realized while testing & Pressure Was Stable Accordance To Chart Recorder Attached

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			
AC YOKE S.N:	201504048	CAL DUE DATE	12-Aug-24	White Contrast WCP 2	MANUFACTURE	BATCH NO	EXPIRE DATE
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	14-Aug-24		Magnaflux	220602	JUN.2025
UT THICKNESS GAUGE:	3997	CAL DUE DATE	14-Aug-24	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE
UT TEST BLOCK:	NoBo5087	CAL DUE DATE	14-Aug-24		Magnaflux	220605	JULY.2025
ASTM Test Block:	1657	CAL DUE DATE	12-Aug-24	Fluorescent Magnetic Ink 7HF	1.2 to 2.4 ml/100 ml		
WHITE LIGHT INTENSITY:	3620 lux						

PERSON DETAILS

INSPECTOR NAME:	M. Shanzad Ahmed	SENIOR INSPECTOR:	NAVERD HUSSAIN	CLIENT:	
QUALIFICATION:	ASNT CP	INSPECTION SUPERVISOR:	HANI ALI	HRASIGN	
SIGNATURE & STAMP:				DATE:	

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THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	HALLIBURTON	REPORT No.:	QC-24-4-TSS-021-NDT-MAJ-003
LOCATION:	TSS WORKSHOP & INSPECTION TEST AREA	STANDARD:	ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019) & API 6A ASME B31.1
WORK ORDER #	-	JOB NO:	QC-24-04-TSS-NDT-0113
DATE OF INSP:	Sunday, April 7, 2024	INSP. DUE DATE:	ANNUAL INSPECTION
TYPE OF INSPECTION:	VISUAL INSPECTION AND MAGNETIC PARTICLE INSPECTION AND PRESSURE TEST WITNESS		

DESCRIPTION:	FLANGE 3" 600 X 3" 206 WING	DIVERTER MANIFOLD SAP NO:	C 0131
		SERIAL NO:	TSS-010

INSPECTION DETAILS

Max. Working Pressure:	1440 PSI	Holding Time:	18 Min
Low pressure:	100 PSI	Holding Time:	05 Min
Pump S.N.:	13119220 Cal DUE. AUG.2024	Pressure Gauge NO.:	468066 Cal DUE. AUG.2024



ONLINE TRACEABILITY

Inspection Evaluation

(MPI) The Above Item Has No Significant Discontinuous At The Time Of Inspection And Found Acceptable Accordance To ASTM E709
Note: MPI Wet Fluorescent inspection Thread With Ultra Violet Light

Pressure Test- The Above Item was Pressure Tested to 100 PSI A low Pressure Hold for 5 min And Maximum Working pressure 1440 psi Hold 18 min no Leak was Realized while testing & Pressure Was Stable Accordance To Chart Recorder Attached

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			
AC YOKE S.N:	201504048	CAL DUE DATE	12-Aug-24	White Contrast WCP-2	MANUFACTURER	BATCH NO	EXPIRE DATE
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	14-Aug-24		Magnaflux	220602	JUN.2025
DC COIL:	22650	CAL DUE DATE	14-Aug-24	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE
UV BLACK LIGHT:	1932401	CAL DUE DATE	14-Aug-24		Magnaflux	220605	JULY.2025
ASTM Test Block:	1657	CAL DUE DATE	12-Aug-24	Fluorescent Magnetic Ink 14HF	MANUFAC TURE	BATCH NO	EXPIRE DATE
WHITE LIGHT INTENSITY:	3620 lux				Magnaflux	220306	March.2025

PERSON DETAILS

INSPECTOR NAME:	M. Shauzad Ahmed	SENIOR INSPECTOR:	NAVEED HUSSAIN	CLIENT:	
QUALIFICATION:		INSPECTION SUPERVISOR:	HANI ALI	HBESIGN	
SIGNATURE & STAMP:				DATE:	

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THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	HALLIBURTON	REPORT No.:	QC-24-4-TSS-021-NDT-MAJ-004
LOCATION:	TSS WORKSHOP & INSPECTION TEST AREA	STANDARD:	ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019) & API 6A ASME B31.1
WORK ORDER #	-	JOB NO:	QC-24-04-TSS-NDT-0113
DATE OF INSP:	Sunday, April 7, 2024	INSP. DUE DATE:	ANNUAL INSPECTION
TYPE OF INSPECTION:	VISUAL INSPECTION AND MAGNETIC PARTICLE INSPECTION AND PRESSURE TEST WITNESS		

DESCRIPTION:	FLANGE 3" 600 X 3" 206 WING	DIVERTER MANIFOLD SAP NO:	C 0131
		SERIAL NO:	TSS-011
INSPECTION DETAILS			
Max. Working Pressure:	1440 PSI	Holding Time:	18 Min
Low pressure:	100 PSI	Holding Time:	05 Min
Pump S.N.:	13119220 Cal DUE. AUG.2024	Pressure Gauge NO.:	468066 Cal DUE. AUG.2024

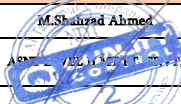


Inspection Evaluation

(MPI) The Above Item Has No Significant Discontinuous At The Time Of Inspection And Found Acceptable Accordance To ASTM E709
 Note: MPI Wet Fluorescent inspection Thread With Ultra Violet Light
Pressure Test-The Above Item was Pressure Tested to 100 PSI A low Pressure Hold for 5 min And Maximum Working pressure 1440 psi Hold 18 min no Leak was Realized while testing & Pressure Was Stable Accordance To Chart Recorder Attached

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			
AC YOKE S.N:	201504048	CAL DUE DATE	12-Aug-24	White Contrast WCP-2	MANUFACTURER	BATCH NO	EXPIRE DATE
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	14-Aug-24		Magnaflux	220602	JUN,2025
DC COIL:	22650	CAL DUE DATE	14-Aug-24	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE
UV BLACK LIGHT:	1932401	CAL DUE DATE	14-Aug-24		Magnaflux	220605	JULY,2025
ASTM Test Block:	1657	CAL DUE DATE	12-Aug-24	Fluorescent Magnetic Ink 14HF	MANUFACTURE	BATCH NO	EXPIRE DATE
WHITE LIGHT INTENSITY:	3620 lux				Magnaflux	220306	March,2025

PERSON DETAILS

INSPECTOR NAME:	M. Shauzad Ahmed	SENIOR INSPECTOR:	NAVEED HUSSAIN	CLIENT:	
QUALIFICATION:		INSPECTION SUPERVISOR:	HANI ALI	HBESIGN:	
SIGNATURE & STAMP:				DATE:	

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CLIENT:	HALLIBURTON	REPORT No.:	QC-24-4-TSS-021-NDT-MAJ-005
LOCATION:	TSS WORKSHOP & INSPECTION TEST AREA	STANDARD:	ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019) & API 6A ASME B31.1
WORK ORDER #	-	JOB NO:	QC-24-04-TSS-NDT-0113
DATE OF INSP:	Sunday, April 7, 2024	INSP. DUE DATE:	ANNUAL INSPECTION
TYPE OF INSPECTION:	VISUAL INSPECTION AND MAGNETIC PARTICLE INSPECTION AND PRESSURE TEST WITNESS		

DESCRIPTION:	FLANGE TEE 3" 600 X 3" 600 X 3" 206 THREAD	DIVERTER MANIFOLD SAP NO:	C 0131
		SERIAL NO:	TSS-012
INSPECTION DETAILS			
Max. Working Pressure:	1440 PSI	Holding Time:	18 Min
Low pressure:	100 PSI	Holding Time:	05 Min
Pump S.N.:	13119220 Cal DUE. AUG.2024	Pressure Gauge NO.:	468066 Cal DUE. AUG.2024

ONLINE TRACEABILITY

Inspection Evaluation

(MPI) The Above Item Has No Significant Discontinuous At The Time Of Inspection And Found Acceptable Accordance To ASTM E709
 Note: MPI Wet Fluorescent inspection Thread With Ultra Violet Light
Pressure Test-The Above Item was Pressure Tested to 100 PSI A low Pressure Hold for 5 min And Maximum Working pressure 1440 psi Hold 18 min no Leak was Realized while testing & Pressure Was Stable Accordance To Chart Recorder Attached

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			
AC YOKE S.N:	201504048	CAL DUE DATE	12-Aug-24	White Contrast WCP-2	MANUFACTURER	BATCH NO	EXPIRE DATE
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	14-Aug-24		Magnaflux	220602	JUN.2025
DC COIL:	22650	CAL DUE DATE	14-Aug-24	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE
UV BLACK LIGHT:	1932401	CAL DUE DATE	14-Aug-24		Magnaflux	220605	JULY.2025
ASTM Test Block:	1657	CAL DUE DATE	12-Aug-24	Fluorescent Magnetic Ink 14HF	MANUFACTURE	BATCH NO	EXPIRE DATE
WHITE LIGHT INTENSITY:	3620 lux				Magnaflux	220306	March.2025

PERSON DETAILS				
INSPECTOR NAME:	M. Shauzad Ahmed	SENIOR INSPECTOR:	NAVEED HUSSAIN	CLIENT:
QUALIFICATION:		INSPECTION SUPERVISOR:	HANI ALI	HBESIGN
SIGNATURE & STAMP:				DATE:

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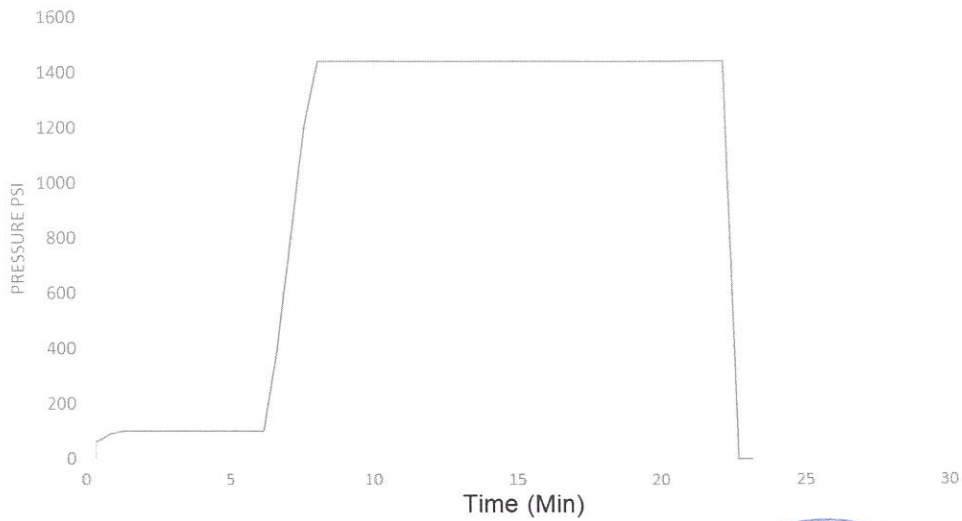


Data Collection Report

Gauge Information	
Serial Number	468066
Model	XP2I
Message Store	TSS test area
Units	PSI
SCALE	15000 PSI

Run Info	
Start Time	11:00 AM
Stop Time	11:24 AM
Test Date	9-Apr-24
EQ NUMBER	C0131
LAST CALIB	2.Aug.2023

READING



TESTED BY : Ali Khalid
APPROVED BY: Hassan Kamel
COMMENTS: Body Test

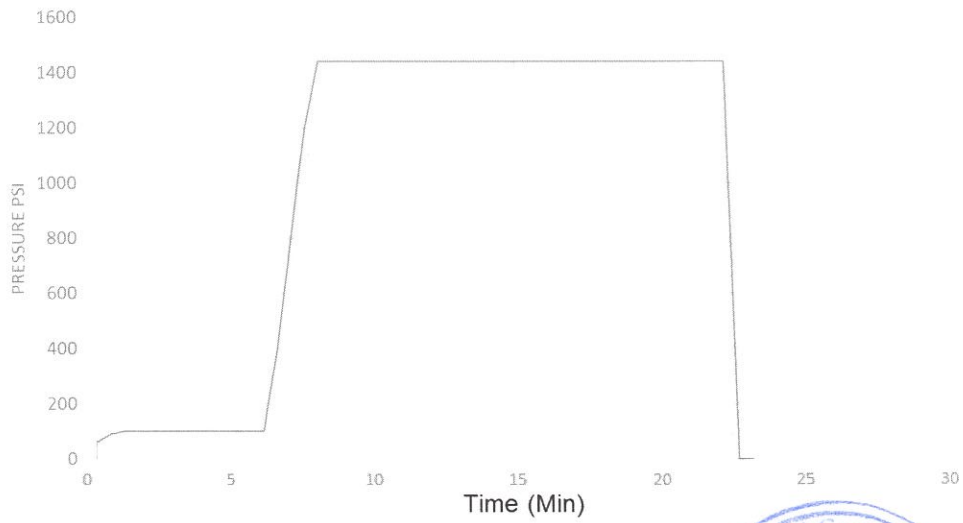


Data Collection Report

Gauge Information	
Serial Number	468066
Model	XP2I
Message Store	TSS test area
Units	PSI
SCALE	15000 PSI

Run Info	
Start Time	11:30 AM
Stop Time	11:54 AM
Test Date	9-Apr-24
EQ NUMBER	C0131
LAST CALIB	2.Aug.2023

READING



TESTED BY : Ali Khalid
APPROVED BY: Hassan Kamel
COMMENTS: DownStream

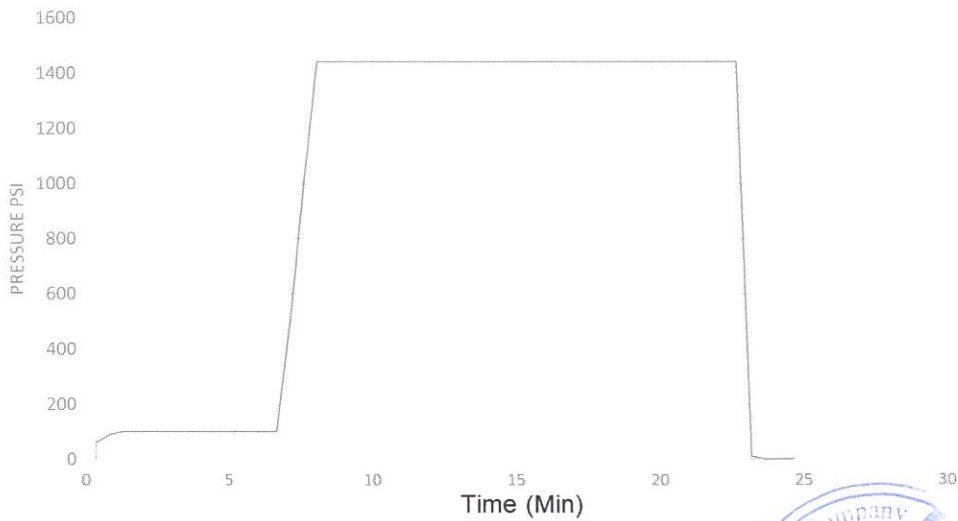


Data Collection Report

Gauge Information	
Serial Number	468066
Model	XP2I
Message Store	TSS test area
Units	PSI
SCALE	15000 PSI

Run Info	
Start Time	12:30 PM
Stop Time	12:54 PM
Test Date	9-Apr-24
EQ NUMBER	C0131
LAST CALIB	2.Aug.2023

READING



TESTED BY : Ali Khalid
APPROVED BY: Hassan Kamel
COMMENTS: Upstream

