

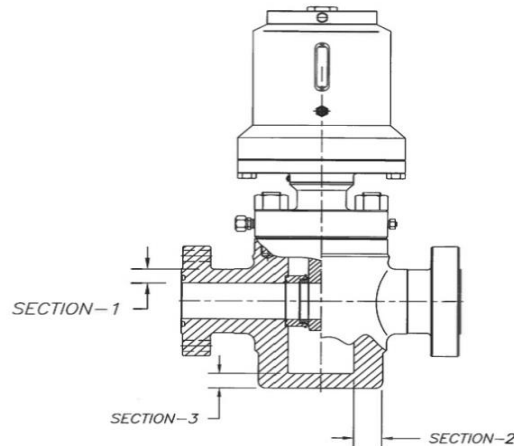
**CERTIFICATE OF QUALIFICATION VISUAL AND WITNESS PRESSURE TEST**

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	<b>HALLIBURTON</b>	REPORT No.:	QC-24-09-TSS-NDT-003
LOCATION:	TSS WORKSHOP & INSPECTION TEST AREA	JOB NO :	QC-24-09-TSS-NDT-HALL-007
WORK ORDER #		SPECIFICATION:	ASME B31.1
DATE OF INSPECTION :	Thursday, September 19, 2024	INSP. DUE DATE:	<b>Thursday, September 18, 2025</b>
TYPE OF INSPECTION:	<b>VISUAL INSPECTION AND WITNESS PRESSURE TEST</b>		
DESCRIPTION:	SSV 3 1/16" 15K	SAP NO:	11511665
LOW PRESSURE TEST	300 psi	HOLDING TIME:	05 MINUTES
MAXIMUM WORKING PRESSURE TEST	15000 Psi	HOLDING TIME:	23 MINUTES
Pump NO.::	EQ NO:13119220	CAL DUE DATE:	19.AUG.2025
Pressure Gauge NO.:	218230280019	CAL DUE DATE:	06.MAR.2025



ONLINE TRACEABILITY



**INSPECTION RESULT**

BODY PRESSURE TEST	The Above Item was Pressure Tested up to 300 PSI A low Pressure Hold for 5 min And Maximum Working pressure 15.000 psi Hold 18 min no Leak was Realized while testing & Pressure Was Stable Accordance To Chart Recorder Attached
UPSTREAM PRESSURE TEST	The Above Item was Pressure Tested up to 300 PSI A low Pressure Hold for 5 min And Maximum Working pressure 15.000 psi Hold 18 min no Leak was Realized while testing & Pressure Was Stable Accordance To Chart Recorder Attached
DOWNSTREAM PRESSURE TEST	The Above Item was Pressure Tested up to 300 PSI A low Pressure Hold for 5 min And Maximum Working pressure 15.000 psi Hold 18 min no Leak was Realized while testing & Pressure Was Stable Accordance To Chart Recorder Attached

**PERSON DETAILS**

INSPECTOR NAME:	<b>Usman Shabbir</b>	SENIOR INSPECTOR:	<b>NAVEED HUSSAIN</b>	CLIENT:	
QUALIFICATION:		INSPECTION SUPERVISOR:	<b>HANI ALI</b>	HB&SIGN	
SIGNATURE & STAMP:				DATE:	

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**CERTIFICATION OF VISUAL, THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION & ULTRASONIC THICKNESS GAUGING**  
THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

<b>CLIENT:</b>	<b>HALLIBURTON</b>	<b>REPORT No.:</b>	QC-24-08-TSS-NDT-001
<b>LOCATION:</b>	TSS WORKSHOP & INSPECTION TEST AREA	<b>STANDARD:</b>	ASTM E709 & ASTM E797
<b>WORK ORDER #</b>			
<b>DATE OF INSP:</b>	Thursday, August 29, 2024	<b>INSP. DUE DATE:</b>	<b>Thursday, August 28, 2025</b>
<b>TYPE OF INSPECTION:</b>	VISUAL INSPECTION, MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING		

<b>DESCRIPTION:</b>	SSV 3 1/16" 15K	<b>SAP NO:</b>	11511665
<b>MANUFACTURER:</b>	WORLD WIDE OIL FIELD	<b>SERIAL NO:</b>	101869561

(a) Normal condition: Large reflection echo, Area of diffused echo, Detector, Surface, Target.

(b) Corroded condition: Small reflective echo, Area of diffused echo, Corroded condition, Detector, Target.

Underside: Reflection echo become wide small by diffused reflection caused by corroded scabrous surface.

SECTION-1, SECTION-2, SECTION-3

A: 12'O CLOCK / FORWARD  
B: 3'O CLOCK / CENTER  
C: 6'O CLOCK / AFT

\* ALL READINGS IN INCH  
\*\*MINIMUM THICKNESS PROVIDED BY CUSTOMER

POINTS	THICKNESS AT POSITION				MINIMUM THICKNESS		
	SECTION-1 A	SECTION-1 B	SECTION-2	SECTION-3	SECTION-1	SECTION-2	SECTION-3
0°	1.475	1.473	2.941	2.975	1.290	2.650	2.460
90°	1.470	1.481	2.985	2.987	1.290	2.650	2.460
180°	1.488	1.442	2.987	2.967	1.290	2.650	2.460
270°	1.457	1.451	2.945	2.973	1.290	2.650	2.460

INSPECTION RESULT		
<b>VT &amp; MPI</b>	Accepted	* ACCORDING TO ASTM E709
<b>UT</b>	Accepted	According to ASTM E 797)
<b>BODY</b>	Accepted	*** These Are The Actual Readings Need To Follow As Per Halliburton Acceptance Criteria

**(MPI)** The Above Item Has No Significant Discontinuous At The Time Of Inspection And Found Acceptable Accordance To ASTM E709  
**U.T**-The Above Item Was Found Acceptable As Per ASTM E797

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			
AC YOKE S.N:	201504048	CAL DUE DATE	14-Oct-24	White Contrast WCP-2	MANUFACTURER	BATCH NO	EXPIRE DATE
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	16-Oct-24		Magnaflux	220602	JUN,2025
UT THICKNESS GAUGE:	3997	CAL DUE DATE	14-Oct-24	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE
UT TEST BLOCK:	NoBo5087	CAL DUE DATE	15-Oct-24		Magnaflux	220605	JULY,2025
ASTM Test Block:	1657	CAL DUE DATE	14-Oct-24	Fluorescent Magnetic Ink 7HF	1.2 to 2.4 ml/100 ml		
WHITE LIGHT INTENSITY:	3480 lux						


PERSON DETAILS				
<b>INSPECTOR NAME:</b>	U. H. Shaban	<b>SENIOR INSPECTOR:</b>	M.SHAZAD	<b>CLIENT:</b>
<b>QUALIFICATION:</b>	ASNT CP-UT, PT, UT, VT	<b>INSPECTION SUPERVISOR:</b>	HANI ALI	<b>HS&amp;SIGN</b>
<b>SIGNATURE &amp; STAMP:</b>				<b>DATE:</b>




### CERTIFICATE OF VISUAL THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION

<b>Client:</b>	HALLIBURTON (TSS)	<b>Report No:</b>	QC-24-8-TSS-NDT-002
<b>Location:</b>	TSS WORKSHOP & INSPECTION TEST AREA	<b>WORK ORDER</b>	
<b>Date:</b>	Thursday, August 29, 2024	<b>Next Inspection Date:</b>	Thursday, August 28, 2025
<b>Type Of Inspection:</b>	VISUAL , THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION	<b>Specification:</b>	ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019) & API 6A

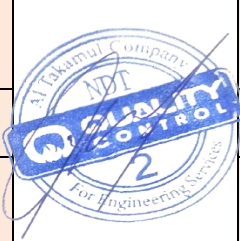
  

	<b>UNIT DESCRIPTION:</b>	<b>FLANGE 3 1/16" 15K X 3" 1502 THREAD</b>
	<b>UNIT S/N:</b>	<b>WO8335-1</b>
	<b>SSV S/N:</b>	<b>11511665</b>
	<b>INSPECTION RESULT :</b>	
	<b>VISUAL , THOROUGH EXAMINATION</b>	VISUAL & MAGNETIC PARTICLE INSPECTION ( M.P.I. ) HAD BEEN DONE ON THE AVAILABLE AREAS FOR THE ABOVE DESCRIPTION
	<b>MAGNETIC PARTICLE INSPECTION</b>	Thread & Groove areas inspected and found free from cracks and other defects
	<b>FINAL RESULTS</b>	THE ABOVE INSPECTED AREAS WAS ACCEPTED

<b>COMMENT:</b>		
(MPI Wet Fluorescent inspection Thread With UltraViolet Light) Magnetic Particle Inspection With A/C Hand Yoke , Black & White Contrast		

EQUIPMENT DETAILS						PERSON DETAILS		REVIEW BY		
<b>EQUIPMENT :</b>	AC/DC HAND Yoke	<b>EQUIPMENT :</b>	ASTM Test Block	<b>EQUIPMENT :</b>	UV BLACK LIGHT: 3140 µw/cm <sup>2</sup>	<b>INSPECTOR NAME:</b>		<b>SENIOR INSPECTOR:</b>		
<b>S.NO:</b>	201504048	<b>S.NO:</b>	1657	<b>S.NO:</b>	1898977				M.SHAZAD	
<b>Cal Due Date:</b>	14.OCT.2024	<b>Cal Due Date:</b>	14.OCT.2024	<b>Cal Due Date:</b>	14.OCT.2024		<b>QUALIFICATION:</b>		<b>SUPERVISOR:</b>	HANI ALI
<b>FLUORESCENT 14HF</b>		Magnaflux	<b>Batch No:</b>	220306	<b>EXPIRE DATE:</b>		MARCH,2025			
<b>Whie Contrast Paint Manufacture:</b>		Magnaflux	<b>Batch No:</b>	220602	<b>EXPIRE DATE:</b>	JUN,2025				
<b>TECHNICAL DETAILS</b>						<b>STAMP &amp; SIGNATURE:</b>				
Digital Lux Meter WHITE LIGHT INTENSITY:		Wet FLUORESCENT Particle Concentration 14 HF		Black Magnetic Ink Manufacture:7HF						
3570 Lux/S.NO:2722003		0.1 to 0.4 ml/100 ml		Batch No:220605						
<b>Cal Due Date:16.OCT2024</b>		Black Magnetic Ink Concentration 7 HF		1.2 to 2.4 ml/100 ml		<b>EXPIRE DATE:</b>	Jul-25			

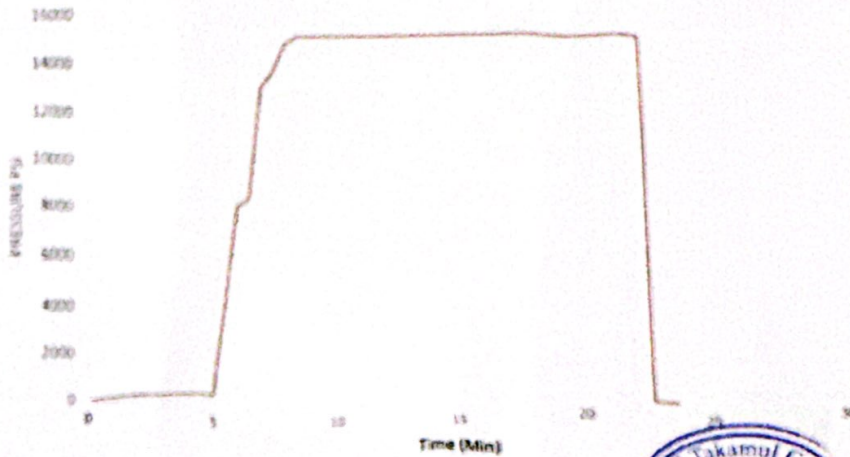
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# Data Collection Report

Gauge Information	
Serial Number	218230280019
Model	ADT680W-25-GP30K-PSI-AM
Calibration Date	7-Mar-24
Range	30000 PSI

Run Info	
Start Time	10:57 AM
Stop Time	11:20 AM
Test Date	19-Sep-24
EQ NUMBER	11511665

## READING



TESTED BY: Feras Abbas  
APPROVED BY: Hassan Kamel  
COMMENTS: Body Test

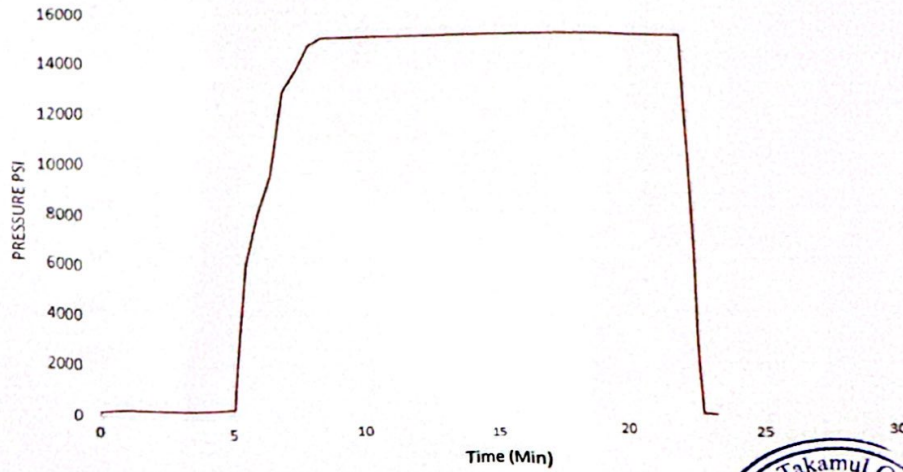


# Data Collection Report

Gauge Information	
Serial Number	218230280019
Model	ADT680W-25-GP30K-PSI-AM
Calibration Date	7-Mar-24
Range	30000 PSI

Run Info	
Start Time	11:28 AM
Stop Time	11:51 AM
Test Date	19-Sep-24
EQ NUMBER	11511665

## READING



TESTED BY : Feras Abbas  
APPROVED BY: Hassan Kamel  
COMMENTS: Upstream Gate valve

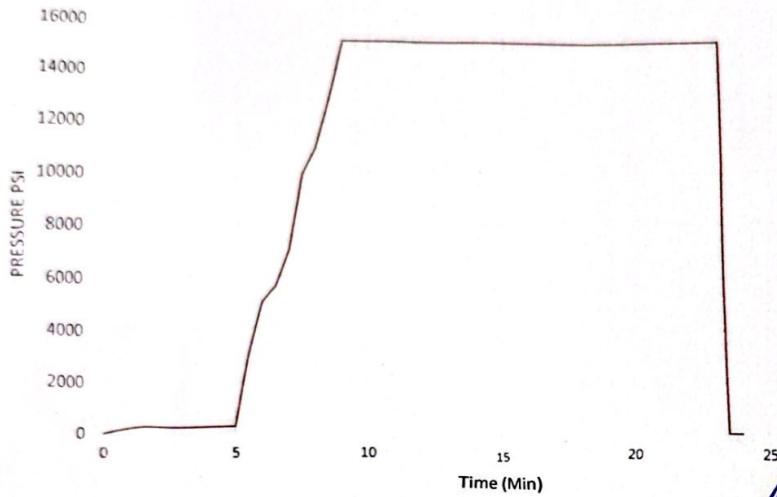


# Data Collection Report

Gauge Information	
Serial Number	218230280019
Model	ADT680W-25-GP30K-PSI-AM
Calibration Date	7-Mar-24
Range	30000 PSI

Run Info	
Start Time	12:09 PM
Stop Time	12:33 PM
Test Date	19-Sep-24
EQ NUMBER	11511665

## READING



TESTED BY : Feras Abbas  
APPROVED BY: Hassan Kamel  
COMMENTS: Downstream Gate valve

