

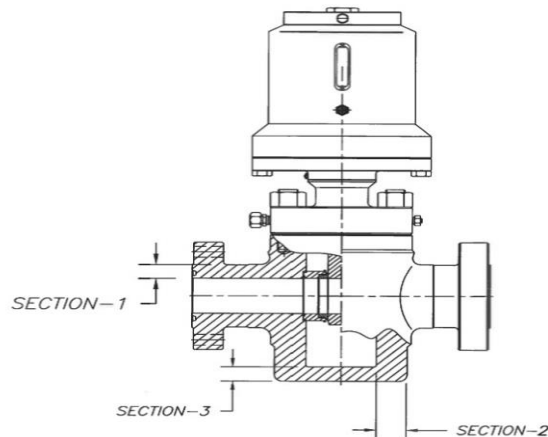
**CERTIFICATE OF QUALIFICATION VISUAL AND WITNESS PRESSURE TEST**

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIEREMENTS

CLIENT:	<b>HALLIBURTON</b>	REPORT No.:	QC-25-01-TSS-NDT-023
LOCATION:	<b>TSS WORKSHOP &amp; INSPECTION TEST AREA</b>	JOB NO :	30012025
WORK ORDER #	327513395	SPECIFICATION:	ASME B31.1-2024 LATEST EDITION / CUSTOMER SPECIFICATION
DATE OF INSPECTION :	Thursday, January 30, 2025		
TYPE OF INSPECTION:	<b>VISUAL INSPECTION AND WITNESS PRESSURE TEST</b>		
DESCRIPTION:	SSV 3 1/16" 10K	SAP NO:	<b>12405201</b>
LOW PRESSURE TEST	300 psi	HOLDING TIME:	05 MINUTES
MAXIMUM WORKING PRESSURE TEST	10,000 Psi	HOLDING TIME:	15 MINUTES
Pump NO.:	EQ NO:13119220	CAL DUE DATE:	19.AUG.2025
Pressure Gauge NO.:	218230280019	CAL DUE DATE:	06.MARCH.2025



ONLINE TRACEABILITY




**PRESSURE TEST WITNESS 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 10.000 psi Hold 15 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 10.000 psi Hold 15 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 10.000 psi Hold 15 min no Leak was Realized while testing & Pressure Was Stable Accordance To Chart Recorder Attached

**PERSON DETAILS**

**REVIEW BY**

INSPECTOR NAME:	M. Sh. Izzad Ahmed	SENIOR INSPECTOR:	NAVEED HUSSAIN	CLIENT:	
QUALIFICATION:	ASNT	INSPECTION SUPERVISOR:	HANI ALI	HB&SIGN	
SIGNATURE & STAMP:				DATE:	

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**AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED**

Basra, North Rumaila, Quality Control Yard - Iraq

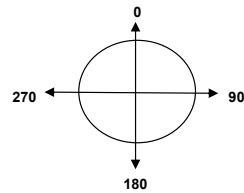
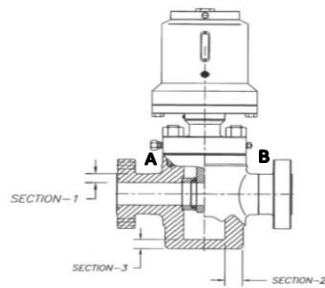
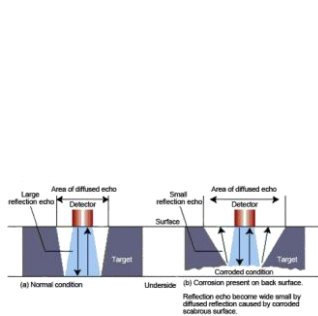


**CERTIFICATE OF QUALIFICATION VISUAL AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING INSPECTION**

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	<b>HALLIBURTON</b>	REPORT NO.:	QC-25-01-TSS-NDT-024
LOCATION:	TSS WORKSHOP & INSPECTION TEST AREA	STANDARD:	ASTM E709-21 & ASTM E797-21 & API SPEC 6A :2024 & API SPEC 16A
WORK ORDER #	327513395		
DATE OF INSPECTION:	Wednesday, January 29, 2025	NEXT INSPECTION DATE:	<b>Wednesday, January 28, 2026</b>
TYPE OF INSPECTION:	<b>VISUAL INSPECTION AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING</b>		

DESCRIPTION:	<b>SURFACE SAFETY VALVE 3 1/16" 10K</b>	SSV SAP NO :	<b>12405201</b>
MANUFACTURER:	<b>WOM</b>	SERIAL NO:	<b>1011409-1</b>



ONLINE TRACEABILITY

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

ANGLE	THICKNESS AT POSITION				MINIMUM THICKNESS IN INCHES		
	SECTION-1 A	SECTION-1 B	SECTION-2	SECTION-3	SECTION-1	SECTION-2	SECTION-3
0°	1.204	1.216	2.061	2.077	1.060	1.450	1.250
90°	1.211	1.214	2.067	2.119	1.060	1.450	1.250
180°	1.218	1.236	2.005	2.039	1.060	1.450	1.250
270°	1.227	1.235	2.058	2.096	1.060	1.450	1.250

**INSPECTION RESULT**

VT & MPI	Accepted	According to ASTM E709-21
UT	Accepted	According to ASTM E 797-21
BODY	Accepted	*** These Are The Actual Readings Need To Follow As Per Halliburton Acceptance Criteria

**Inspection Evaluation**

(MPI) The Above Item Has No Significant Discontinuous At The Time Of Inspection And Found Acceptable According to ASTM E709-21

U.T-The Above Item Was Found Acceptable As Per ASTM E797-21

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			
AC YOKE S.N:	201504052	CAL DUE DATE	11-Apr-25	White Contrast WCP-2	MANUFACTURE	BATCH NO	EXPIRE DATE
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	13-Apr-25		Magnaflux	220602	JUN,2025
UT THICKNESS GAUGE:	3997	CAL DUE DATE	11-Apr-25	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE
UT TEST BLOCK:	NoBo5088	CAL DUE DATE	12-Apr-25		Magnaflux	220605	JULY,2025
ASTM Test Block:	1657	CAL DUE DATE	11-Apr-25	Fluorescent Magnetic Ink 7HF	1.2 to 2.4 ml/100 ml		
WHITE LIGHT INTENSITY:	3670 lux						

**PERSON DETAILS**

INSPECTOR NAME:	M.Shahid Ahmed	SENIOR INSPECTOR:	NAVEED HUSSAIN	CLIENT:	
QUALIFICATION:		INSPECTION SUPERVISOR:	HANI ALI	HR&SIGN	
SIGNATURE & STAMP:				DATE:	

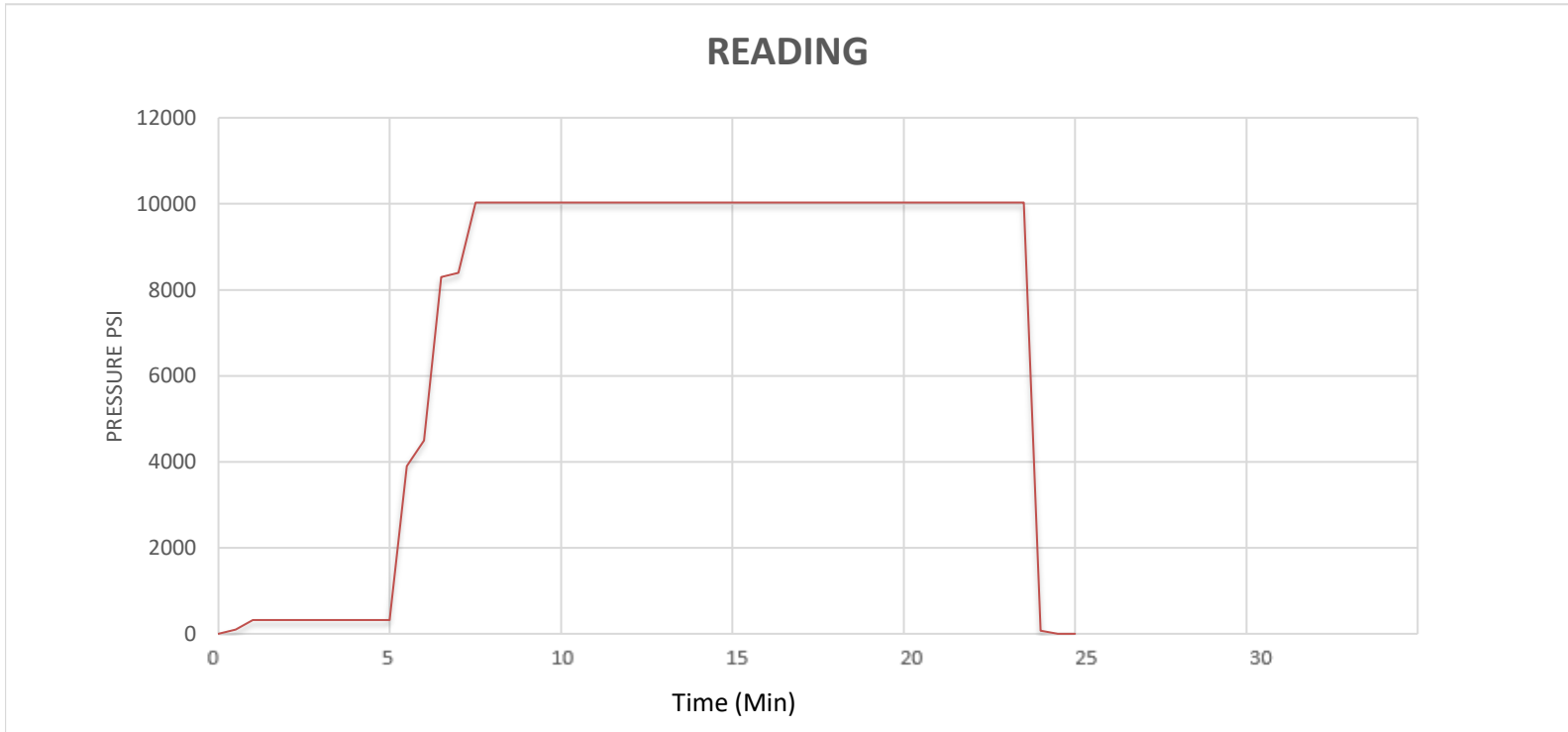
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# Data Collection Report

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


Run Info	
Start Time	08:00 AM
Stop Time	08:25 AM
Test Date	30-Jan-25
EQ NUMBER	12405201




TESTED BY : Muntadher Nazar

APPROVED BY: Khaldoon Asad

COMMENTS: Body Test

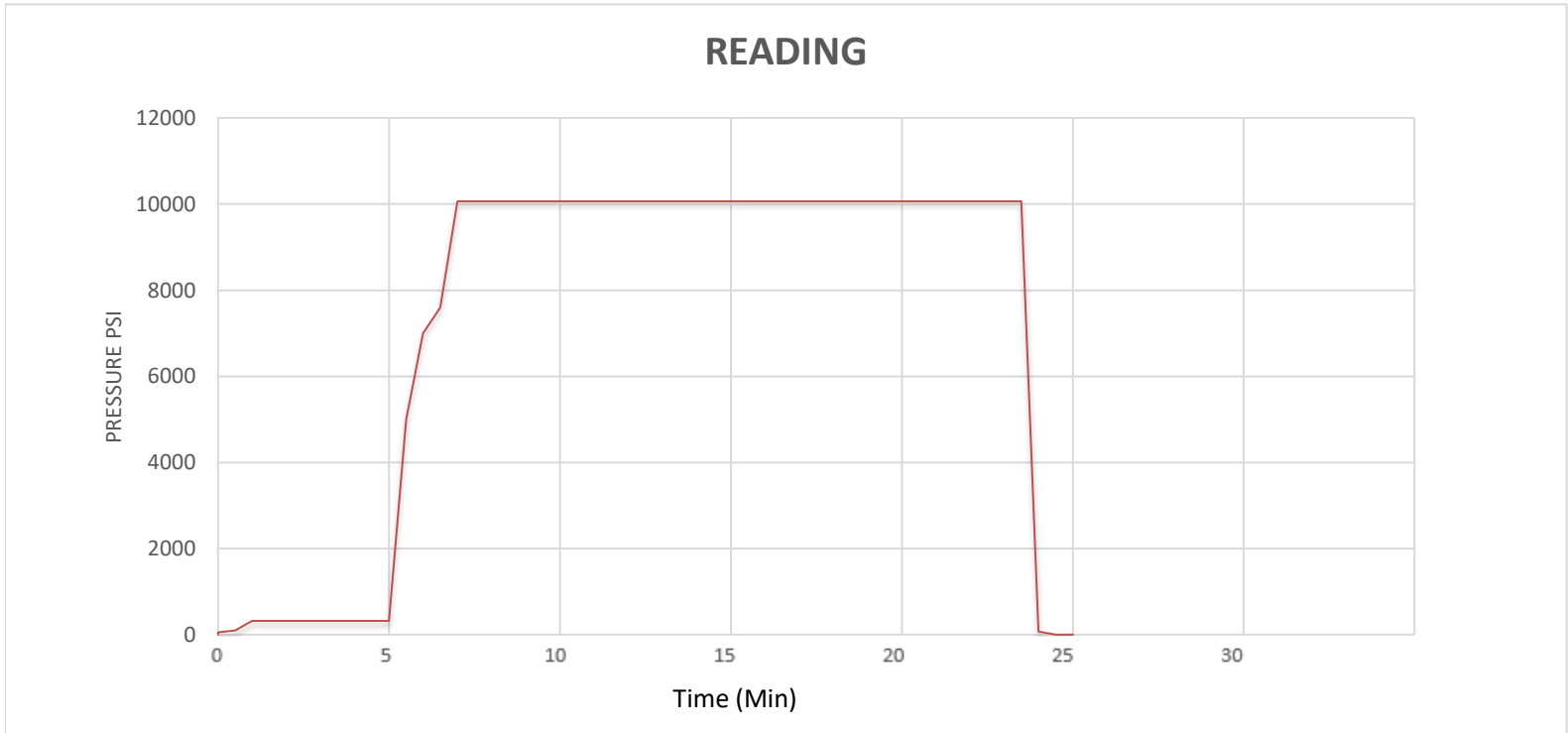
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SIGN: 

# 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	08:30 AM
Stop Time	08:55 AM
Test Date	30-Jan-25
EQ NUMBER	12405201



TESTED BY : Muntadher Nazar  
APPROVED BY: Khaldoon Asad  
COMMENTS: Upstream Gate valve

SIGN:

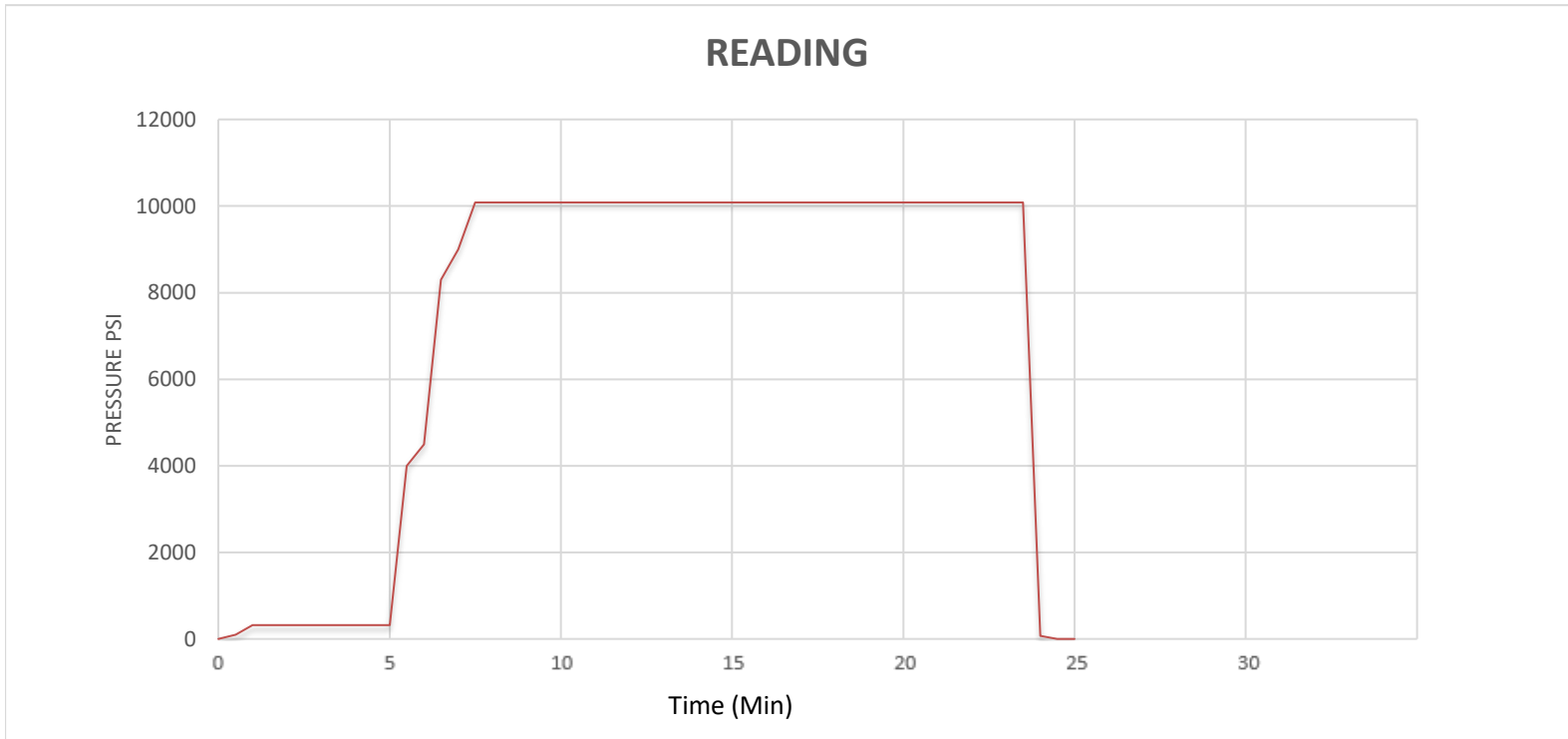
SIGN:



# 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	09:00 AM
Stop Time	09:25 AM
Test Date	30-Jan-25
EQ NUMBER	12405201



TESTED BY : Muntadher Nazar  
APPROVED BY: Khaldoon Asad  
COMMENTS: Downstream Gate valve

SIGN:

SIGN:

