

**CERTIFICATE OF QUALIFICATION VISUAL AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING INSPECTION & WITNESS PRESSURE TEST**

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	<b>HALLIBURTON</b>	REPORT No.:	QC-24-05-HPS-NDT-021
LOCATION:	<b>HPS (Burjesia Halliburton Camp)</b>	STANDARD:	ASTM E709 & ASTM E797 & ASME SECTION V ARTICLE 5,10 & 27 & ASME B31.1
WORK ORDER #	-	SPECIFICATION:	Halliburton Acceptance Criteria H2S STANDARD NACE MQ-01-76
DATE OF INSP:	Sunday, May 19, 2024	INSP. DUE DATE:	<b>Sunday, May 18, 2025</b>
TYPE OF INSPECTION:	<b>VISUAL INSPECTION, PRESSURE TEST AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING</b>		

DESCRIPTION:	<b>GATE VALVE 3 1/16" 10K</b>	SERIAL NO:	<b>18007209-100/XK-20-1017999</b>
MANUFACTURER:	<b>NOV</b>		
<b>INSPECTION DETAILS</b>			
Max. Working Pressure:	<b>10,000 PSI</b>	Holding Time:	<b>19 Min</b>
Low pressure:	<b>300 PSI</b>	Holding Time:	<b>05 Min</b>
APR PUMP S.N:	<b>12561569 (CAL DUE DATE. MARCH 2025)</b>	Pressure Transducer :	Sap num: 600626459 S/N: 957590
		Cal DUE Date:	<b>23.JAN. 2025</b>

(a) Normal condition  
(b) Corroded condition  
Reflection echoes become wide small by diffused reflection caused by corroded scabrous surface.

SECTION-1  
SECTION-2  
SECTION-3

0  
90  
180  
270

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

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

**ONLINE TRACEABILITY**

POINTS	THICKNESS AT POSITION				MINIMUM THICKNESS		
	SECTION-1 A	SECTION-1 B	SECTION-2	SECTION-3	SECTION-1	SECTION-2	SECTION-3
0°	1.172	1.214	2.059	2.075	1.060	1.450	1.250
90°	1.195	1.198	2.051	2.103	1.060	1.450	1.250
180°	1.202	1.220	2.003	2.037	1.060	1.450	1.250
270°	1.195	1.203	2.026	2.064	1.060	1.450	1.250

<b>INSPECTION RESULT</b>		
VT & MPI	Accepted	* ACCORDING TO ASTM E709(70.94158).
UT	Accepted	According to Halliburton Procedure (H2S STANDERD NACE MQ-01-76) ASME SECTION V ARTICLE 5 (ASTM E 797)
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 Accordance To The Halliburton Specification ASTM E709 (70.94158)  
 U.T-The Above Item Was Found Acceptable As Per Halliburton Procedure H2S STANDARD NACE MQ-01-76 ASME SECTION V ARTICLE 5 (ASTM E 797)  
 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 19 min no Leak was Realized while testing & Pressure Was Stable Accordance To Chart Recorder Attached

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			
AC YOKE S.N:	201504052	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	Black Magnetic Ink 7HF	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	Black Magnetic Ink 7HF	Magnaflux	220605	JULY,2025
ASTM Test Block:	1657	CAL DUE DATE	12-Aug-24	Fluorescent Magnetic Ink 7HF			
WHITE LIGHT INTENSITY:	3620 lux						1.2 to 2.4 ml/100 ml

<b>PERSON DETAILS</b>			
INSPECTOR NAME:	<b>M. Shehzed Ahmed</b>	SENIOR INSPECTOR:	<b>NAVEED HUSSAIN</b>
QUALIFICATION:	<b>ASNT CP</b>	INSPECTION SUPERVISOR:	<b>HANI ALI</b>
SIGNATURE & STAMP:			

Original - Client Files Copy - Area Office QC/FN/PT/077 Rev.00 DATED 07.NOV. 2021

