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

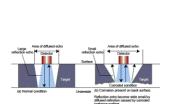
Basra, North Rumaila, Quality Control Yard - Iraq



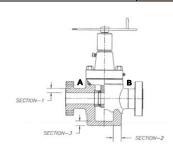
## CERTIFICATE OF QUALIFICATION VISUAL AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING INSPECTION & WITNESS PRESSURE TEST

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIEREMENTS

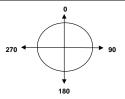
CLIENT:		HALLIBURTON	REPORT No.: QC-		24-05-HPS-NDT-021		
LOCATION:		HPS (Burjesia Halliburton Camp)	STANDARD:	ASTM E709 & ASTM	E797 & ASME SECTION V ARTICLE 5,10 & 27 & ASME B31.1		
WORK ORDER #		-			burton Acceptance Criteria FANDARD NACE MQ-01-76		
DATE OF INSP:		Sunday, May 19, 2024	INSP. DUE DATE: Su		nday, May 18, 2025		
TYPE OF INSPECTION: VISUAL INSPECTION, PRESSURE TEST AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING							
DESCRIPTION: MANUFACTURER:		GATE VALVE 3 1/16" 10K	SERIAL NO:		18007209-100/XK-20-1017999		
		NOV					
INSPECTION DETAILS							
Max. Working Pressure:		10,000 PSI	Holding Time:		19 Min		
Low pressure:		300 PSI	Holding Time:		05 Min		
			Pressure Transducer :		Sap num: 600626459 S/N: 957590		



APR PUMP S.N:



12561569 (CAL DUE DATE. MARCH 2025)





S/N: 957590

23.JAN. 2025

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

Cal DUE Date:

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

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	
INSPECTION RESULT								

	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 ***		Accepted	*** These Are The Actual Readings Need To Follow As Per Halliburton Acceptance Criteria				
	, and the second		Inspection Fundamental				

(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 10 Chart Recorder Attached									
INSPECTION EQUIPMENT DETAILS					TECHNICAL DETAILS				
AC YOKE S.N:	201504052	CAL DUE DATE	12-Aug-24	White Contrast WCP-	MANUFACTURE	BATCH NO	EXPIRE DATE		
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	14-Aug-24	2	Magnaflux	220602	JUN,2025		
UT THICKNESS GAUGE:	3997	CAL DUE DATE	14-Aug-24	Black Magnetic Ink	MANUFACT URE	BATCH NO	EXPIRE DATE		
UT TEST BLOCK:	NoBo5087	CAL DUE DATE	14-Aug-24	7HF	Magnaflux	220605	JULY.2025		
ASTM Test Block:	1657	CAL DUE DATE	12-Aug-24	Fluorescent M	fagnetic Ink	1.2 to 2.4 ml/100 ml			
WHITE LIGHT INTENSITY:	3620 lux			7HF		1.2 to 2.4 m/100 m			
PERSON DETAILS									
INSPECTOR NAME:	M.Shehzad Ahmed	SENIOR INSPECTOR:	INSPECTOR: NAVEED HUSSAIN		CLIENT:				
QUALIFICATION:	And British Co.	INSPECTION SUPERVISOR:	HANI ALI		HB&SIGN				





SIGNATURE & STAMP:









Rev.00 DATED 07.NOV. 2021





