

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

Basra, North Rumaila, Quality Control Yard – Iraq
Tel: +9647810009138 / +9647834964657

Email: OP@qualitycontrol-iraq.com / hany.akafi@qualitycontrol-iraq.com



4.06'' COMBO BOP (EVERY 365 DAYS) FULL INSPECTION REPORT

Customer:	HALLIBURTON (HPS)	Date of Inspection:	03.MAY.2025	
Location:	Burjesia Halliburton Basra -Iraq	Next Date of Inspection:	02.MAY.2026	
Type Of Inspection:	ANNUAL INSPECTION	Report No.:	QC-25-MAY-HALL-HPS-003	
Ref Standard:	API SPEC 6A:2024 ASTM E709-21/ ASTM E165-23	Document number:	D601004567-REP-001	
SERIAL NO.	143-45454 R	EQUIPMENT NO.	12513412	

OEM PLATE DATA

Manufacture:	Texas Oil Tools
Material Class:	DD
Working Pressure:	15000 PSI (1035 BAR)
Hydraulic Pressure:	3000 PSI (207 BAR)
BOP Weight:	1600 LBS
DOM:	07-JULY-2023

HALLIBURTON PLATE DATA

Equipment No:	12513412
Material Number:	101323077
Year:	2014



Name of Inspector: M.SHAHZAD AHMED	Name of person authenticating this report: HANY ALI	Name & Customer Signature
QUALIFICATION: ASNT LEVEL II		
MT & PT & VT & T		



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PROCEDURE

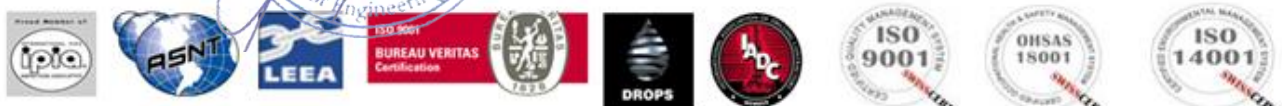
The Products Have Been Inspected and Found Them Conformable to Relevant

- Clean BOP body.
- visually inspect complete BOP body for damage. Repair any damage found.
- Open bonnets and flush all traces of well fluids.
- Visually inspect all flange, flange studs, quick unions, quick union threads, seal areas for damage. Repair/Replace any damaged items found.
- dimensionally inspect all flange, quick unions, quick union threads, seal areas. Repair/Replace any damaged items found.
- Disassemble and visually inspect condition of ram bodies. Repair/Replace any damaged parts found.
- Dimensionally inspect ram bore diameters.
- Replace all elastomers.
- Disassemble and inspect all actuators and replace hydraulic seals.
- Replace slip inserts
- Remove the equalizing valve assembly and inspect stem and seat. Repair/Replace any damage found.
- Upon re-assembly of BOP replace all bonnet O-ring and gaskets.
- Lubricate and complete re-assembly in accordance with proper technical manual.
- Visually inspect all hydraulic quick connections, hydraulic adapters and hoses. Repair/Replace any damage parts found.
- Function test BOP and verify correct actuation.
- Verify indicator pins correctly indicate the position of the BOP's.
- Slip and Shear Test BOP's to API requirements.
- Pressure Test BOP's to API requirements
- Retain all testing and dimensional documentation.

INSPECTION RESULT

**** Visual, DPI & MPI was carried out on the available critical areas of the BOP and found Accept at the time of inspection**

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CERTIFICATION OF VISUAL THOROUGH EXAMINATION AND MAGNETIC PARTICLE & DYE PENETRANT INSPECTION

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	HALLIBURTON (HPS)	REPORT NO:	QC-25-MAY-HPS-NDT-004
LOCATION:	HPS (Burjesia Halliburton Camp)	STANDARD :	ASTM E709-21 & ASTM E165-23 API SPEC 6A:2024
WORK ORDER #	*****	DOCUMENT NUMBER:	D601004567-REP-001
DATE OF INSPECTION :	Saturday, May 3, 2025	NEXT INSPECTION DATE:	Saturday, May 2, 2026
TYPE OF INSPECTION:	VISUAL THOROUGH EXAMINATION AND MAGNETIC PARTICLE & DYE PENETRANT INSPECTION		
DESCRIPTION:	COMBO BOP 4.06" (15000 PSI)	EQUIPMENT NO:	12513412
MANUFACTURER:	Texas Oil Tools	SERIAL NO:	143-45454 R

SKETCH OR PICTURE



INSPECTION RESULT

VISUAL , THOROUGH EXAMINATION	Above Item fully inspected and found freedom from deforms, cracks, corrosion & mechanical damage
MAGNETIC PARTICLE INSPECTION (MPI)	Available critical areas inspected and found free from cracks and other defects
DYE PENETRANT INSPECTION (DPI)	Groove areas inspected and found freedom from cracks and other defects
FINAL RESULTS	Above Item found satisfactory and free of defects at the time of inspection

INSPECTION EQUIPMENT DETAILS

TECHNICAL DETAILS

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			
AC YOKE S.N:	201504052	CAL DUE DATE	7-Oct-25	White Contrast WCP-2	MANUFACTURE	BATCH NO	EXPIRE DATE
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	9-Oct-25		Magnaflux	230408	APRIL 2026
ASTM Test Block:	1657	CAL DUE DATE	7-Oct-25	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE
COMPARATOR BLOCK	11223	CAL DUE DATE	8-Oct-25		Magnaflux	230604	June 2026
INFRARED THERMOMETER	201704125	CAL DUE DATE	7-Oct-25	Red Penetrant	MANUFACTURE	BATCH NO	EXPIRE DATE
PENETRANT DWELL TIME:	30 minutes	DEVELOPER DWELL TIME:	15 minutes		Magnaflux	230606	June 2026
TEST PART TEMPERATURE :	97 °F	WHITE LIGHT INTENSITY:	3620 lux	Developer	MANUFACTURE	BATCH NO	EXPIRE DATE
					Magnaflux	230608	June 2026
				Black Magnetic Ink Concentration 7 HF			1.2 to 2.4 ml/100 ml

INSPECTOR NAME M.SHAHZAD AHMED		Name of person authenticating this report:	Name & Customer Signature
QUALIFICATION ASNT LEVEL II		HANY ALI	
MT & PT& VT & UT			



Halliburton

Pressure Test Chart

Test Data

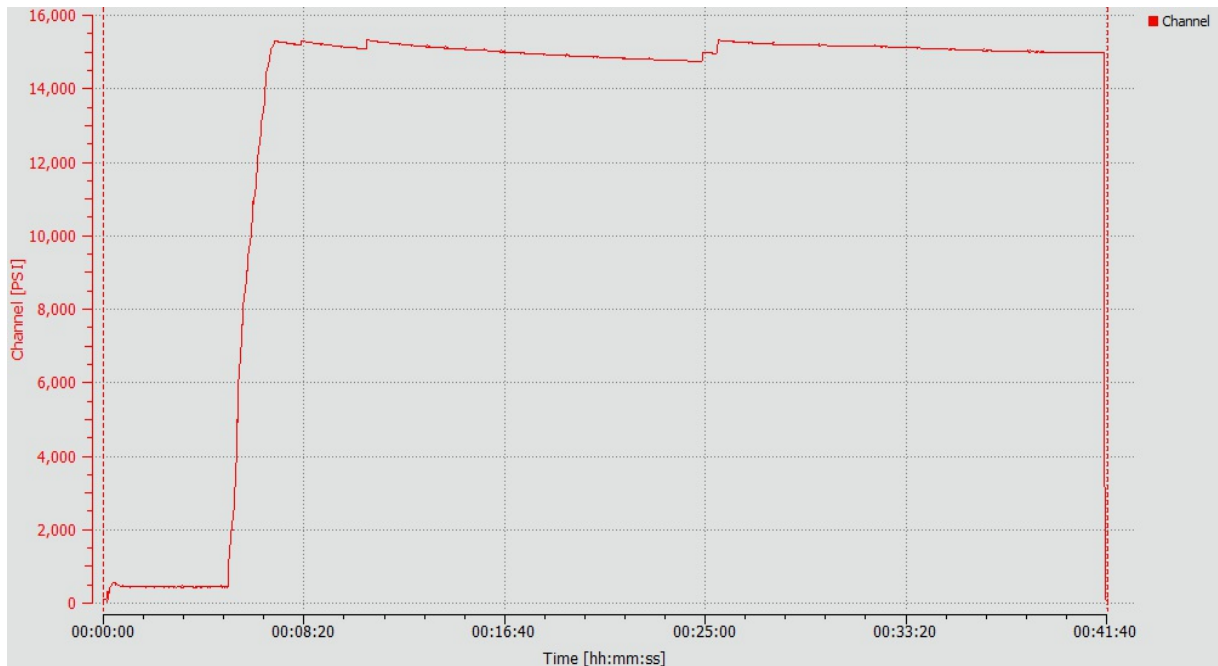
Object data:

Description: BOP DUAL
Part no.: 101323077
Serial no.: 143-45454 (12513412)
Working pressure: 15KPSI
Test pressure: 15KPSI
Test Type: Body Test

Contact information:

PSL: PS
Plant: P1950
Location: IEM Test Bay
WO NO.: 327895537

Graph:



Test start: 05-05-2025 13:24:37
Test end: 05-05-2025 14:06:23
Tested by: Hussein Ali
Witnessed by: Ahmed Saleh

Device serial number: 27219
Transducer S/N : 1107XB8Q
Range: 25.500 PSI
Calibration date: 13-Apr-26

Signature:

Halliburton

Pressure Test Chart

Test Data

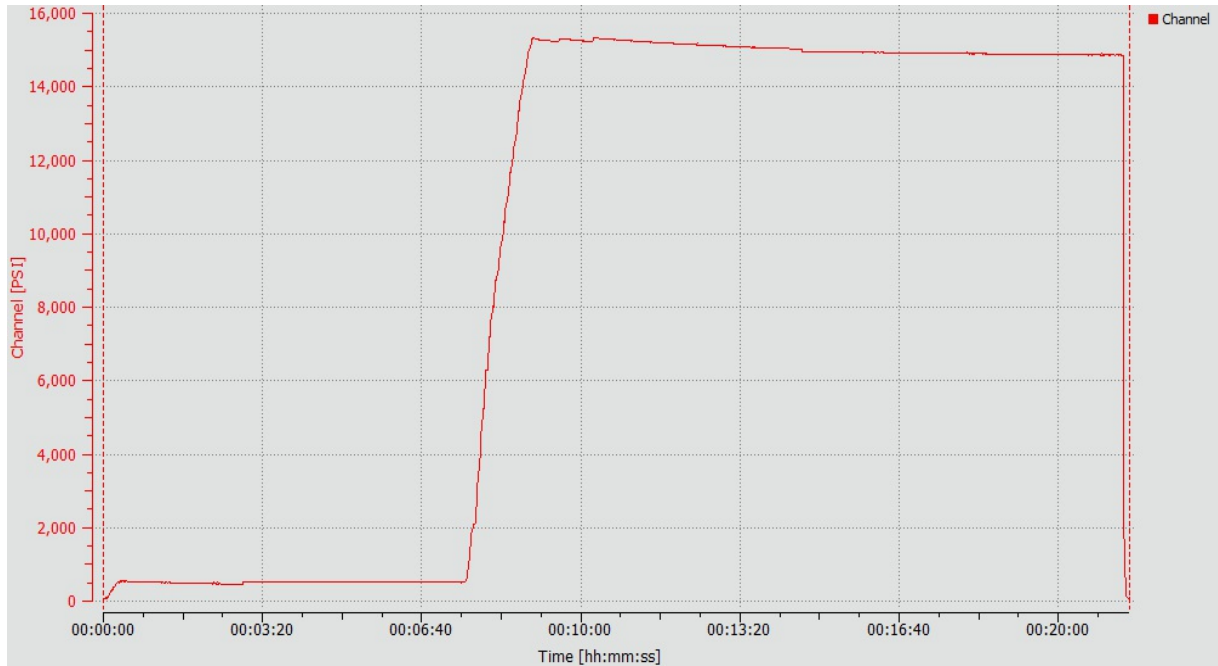
Object data:

Description: BOP DUAL
Part no.: 101323077
Serial no.: 143-45454 (12513412)
Working pressure: 15KPSI
Test pressure: 15KPSI
Test Type: Blind Ram

Contact information:

PSL: PS
Plant: P1950
Location: IEM Test Bay
WO NO.: 327895537

Graph:



Test start: 05-05-2025 15:02:28
Test end: 05-05-2025 15:24:14
Tested by: Hussein Ali
Witnessed by: Ahmed Saleh

Device serial number: 27219
Transducer S/N : 1107XB8Q
Range: 25.500 PSI
Calibration date: 13-Apr-26

Signature:

Halliburton

Pressure Test Chart

Test Data

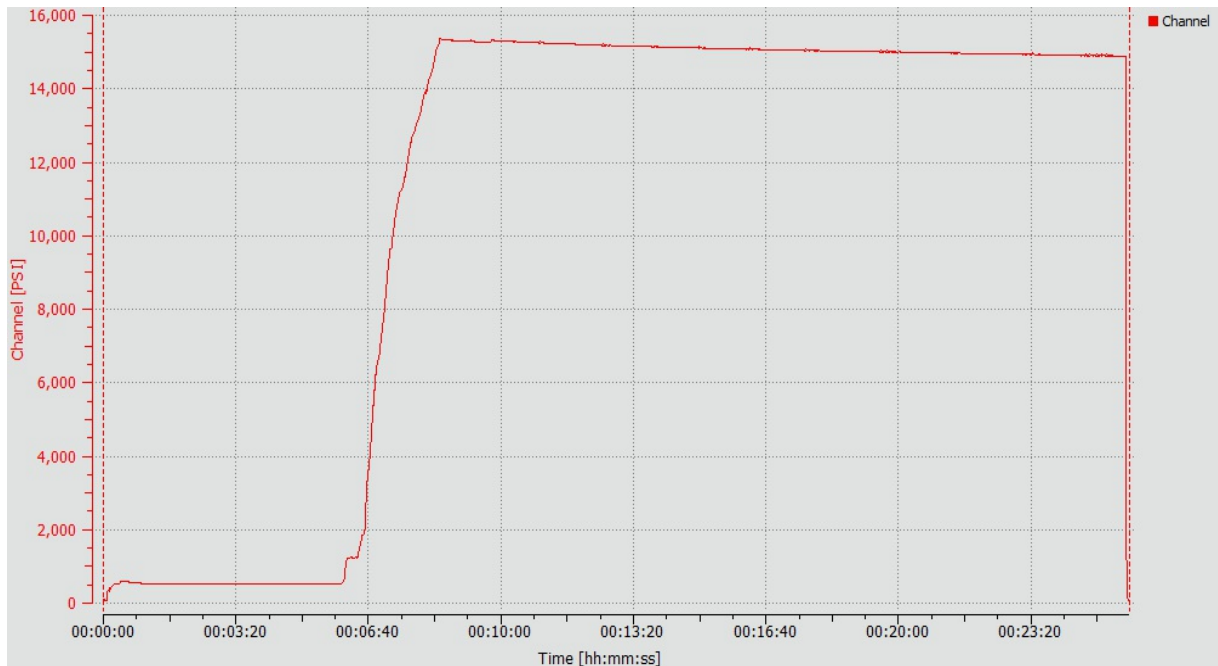
Object data:

Description: BOP DUAL
Part no.: 101323077
Serial no.: 143-45454 (12513412)
Working pressure: 15KPSI
Test pressure: 15KPSI
Test Type: Pip Ram

Contact information:

PSL: PS
Plant: P1950
Location: IEM Test Bay
WO NO.: 327895537

Graph:



Test start: 05-05-2025 15:34:29
Test end: 05-05-2025 16:00:20
Tested by: Hussein Ali
Witnessed by: Ahmed Saleh

Device serial number: 27219
Transducer S/N : 1107XB8Q
Range: 25.500 PSI
Calibration date: 13-Apr-26

Signature: