ACADEMY PETROLEUM INDUSTRIES 4066-78 AVENUE, EDMONTON, ALBERTA T6B 3M8 PHONE: (780) 466-6360 FAX: (780) 466-6380 www.academypetroleum.com	TITLE	NO.:	QF3009-1
	3 YEAR CERTIFICATION	REVISION:	1
		DATE	SEPT. /2012
		PAGE	1 of 1

In accordance with EUB Directive 36 and CAODC Recommended Practice 6.0 issues the following

3 YEAR CERTIFICATION

On the following date

ISSUE DATE: September 11, 2013

For the equipment described below

Part Description: Spacer Spool 7.06" 2000 R45 X 7.06" 3000 R45.	
OEM Manufacturer:	
Serial Number: CER1301	
Bore Size: 7.06 inches	**Rated Working Pressure:** 2000 psi

To the following party

Customer: Caliber Energy Rentals	**Customer P.O.:**

*And certifies that all required work was performed in accordance with **API Specification 16A** on*

Academy Work Order Number: 62983

As certified by

Name: Dennis Wark

Signature: _____

The above named customer hereby states that the effective in service date for this equipment subsequent to certification is

In Service Date: Oct 1/13 (to be completed by the customer)	**Signature of the Customer:** _____

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A B S A REGISTERED

Certificate of Compliance

Date: September 25, 2013	**Customer: Caliber Energy Rentals.**	**Academy W/O #: 62983**
Part Description: 3YR. Customer Supplied Spacer Spool 7.06" 2000 R45 X 7.06" 3000 R45.		**Cust. P.O. #:**
Quantity: 1	**Serial #'s: CER1301**	**S/O Item #: 1**

This is to certify that the above noted part has been:

- Manufactured in accordance with all in-house policies and procedures and in compliance with the customer's requirements and/or specifications and;
- Inspected in accordance with Academy Petroleum Industries Inspection Procedure and found to be acceptable.

The following indicated procedures have been performed and documentation is attached as required:

Procedure		Comments
Dimensional Verification	☒	As per all applicable drawings
Visual Inspection	☒	
Hardness Testing	☒	See attached report
Non-Destructive Examination	☒	See attached report
Stress Relieving	☐	See attached report
Hydrostatic Testing	☒	See attached report
Material Test Reports	☐	See attached report

Notes:

Quality Assurance

Academy Petroleum Industries

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ABSA REGISTERED

Hardness Inspection Report

Date: September 25, 2013	**Customer: Caliber Energy Rentals**	**Academy W/O #: 62983**
Part Description: 3YR. Customer Supplied Spacer Spool 7.06" 2000 R45 X 7.06" 3000 R45.		**Cust. P.O. #:**
Reference Drawing/Sheet: ☐ Attached ☒ N/A		**Part #/ Serial #: CER1301**

Examination Standard: ASTM E-10 or ASTM E-18

Acceptance Standard:

☐ API Specification 6A 20th Edition (see Table 11 for applicable section)

☐ API Specification 16A Third Edition (Section 8.5.1.4)

☐ API Specification 16C First Edition (Section 6.3.6.4.1)

☒ NACE MR0175 / ISO 15156 Latest Edition

Dwg Ref. # or Location	Brinell Hardness					Comments
	Parent Metal	HAZ	Weld Metal	HAZ	Parent Metal	
Spacer Spool	231					Customer Supplied

Interpretation is done in accordance with the above mentioned standards. As this is a subjective analysis the final interpretation of these measurements is the responsibility of the customer.

Quality Assurance

Academy Petroleum Industries

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TITLE	NO.:	QF1901
SURFACE NDE TEST REPORT	REVISION:	1
	DATE	DEC./2012
	PAGE	1 of 1

Report # : 20130917 08
Customer : CALIBER ENERGY
Project : ____

Date : Sep 17, 13
Work Order : 62983-1
Purchase order: ____

SURFACE NDE METHOD

MAGNETIC PARTICLE

Equipment: Magnaflux Y1 S/N: CS-271
Calibration Due Date: Sept. 2013
AC: √ DC: ___ Yoke: √ Coil: ___
Continuous: √ Dry: ___ Wet: √
Particles: _____ Color Contrast: _____
Fluorescent: √ Sensitivity: _____
Batch / Lot # : 12D21K

LIQUID PENETRANT

Penetrant: ___ D/T: ___
Developer: ___ D/T: ___
Visible Penetrant: ___
Water Washable: ___
Solvent Removable: ___
Temperature: ___

Light Source: EE 365 #1836526 Black Light (µW) : 2570 White Light (fc): ___
Code Procedure: API 16A 3rd Ed. Annex B section B.2.4 and section 8.5.1.9.2.
Code Acceptance: API 16A 3rd edition section 8.5.1.9.4.2; 8.5.1.9.4.3; 8.5.1.9.4.4.
Academy Procedure: APP-1902
Revision Number: 1
Customer Procedure: ___
Customer Acceptance: ___
Before PWHT: ✓ After PWHT: _____ Before Hydro: √ After Hydro: _____
Material: Ferromagnetic As welded: ___ Painted: ___ Machined: √ As Cleaned: √

DESCRIPTION OF PART: *API 16A remanufactured part without weld.*

3 yr customer supplied spacer spool : 7 1/16-3000-R45 x 7 1/16-2000-R45

SERIAL NUMBER: CER1301

DESCRIPTION OF INSPECTION:
Wet Fluorescent Magnetic Particle Inspection on all accessible well fluid wetted and sealing surface performed on remanufactured part as per API 16A 3rd edition Annex B section B.2.4 and section 8.5.1.9.2.

RESULTS:
No relevant indications were found at the time of inspection including sealing surface.
Above item meets the acceptance criteria as per API 16A 3rd edition section 8.5.1.9.4.2; 8.5.1.9.4.3; 8.5.1.9.4.4.

Inspector : S.AHSAN RAZA Signature: _____ CGSB Level: - SNT Level: II
Technician: Naresh Patel Signature: _____ CGSB Level: II #10622 SNT Level: II

ACADEMY PETROLEUM INDUSTRIES 4066-78 AVENUE, EDMONTON, ALBERTA T6B 3M8 PHONE: (780) 466-6360 FAX: (780) 466-6380 www.academypetroleum.com	TITLE	NO.:	QF902
	HYDROSTATIC PRESSURE TEST CERTIFICATE	REVISION:	1
		DATE	SEPT./2012
		PAGE	1 of 1

Customer: Caliber Energy Rentals	**Customer PO#:**	**Academy W/O #: 62983**
Part Description: 3YR. Customer Supplied Spacer Spool 7.06" 2000 R45 X 7.06" 3000 R45.		
Serial #: CER1301	**Working Pressure (psi):** 2000	

Hydrostatic Test Spec:
- ☐ API 6A (Section 7.4.9.3.3)
- ☐ API 16A (Section 8.5.8.6)
- ☐ API 16C (Section 6.4.4)
- ☒ APP3009
- ☐ Other
- ☐ As per Customer Requirements

Flange Type: ☐ API ☐ ANSI ☐ Other

API 6A PSL: ☐ 1 ☐ 2 ☐ 3 ☒ N/A

Recording Device: CS 222

Description of Tested Components

Component (body, flange, EFSO, etc.)	Material Grade & Yield Strength	Heat #
Spacer Spool	Customer Supplied	

Hydrostatic Test

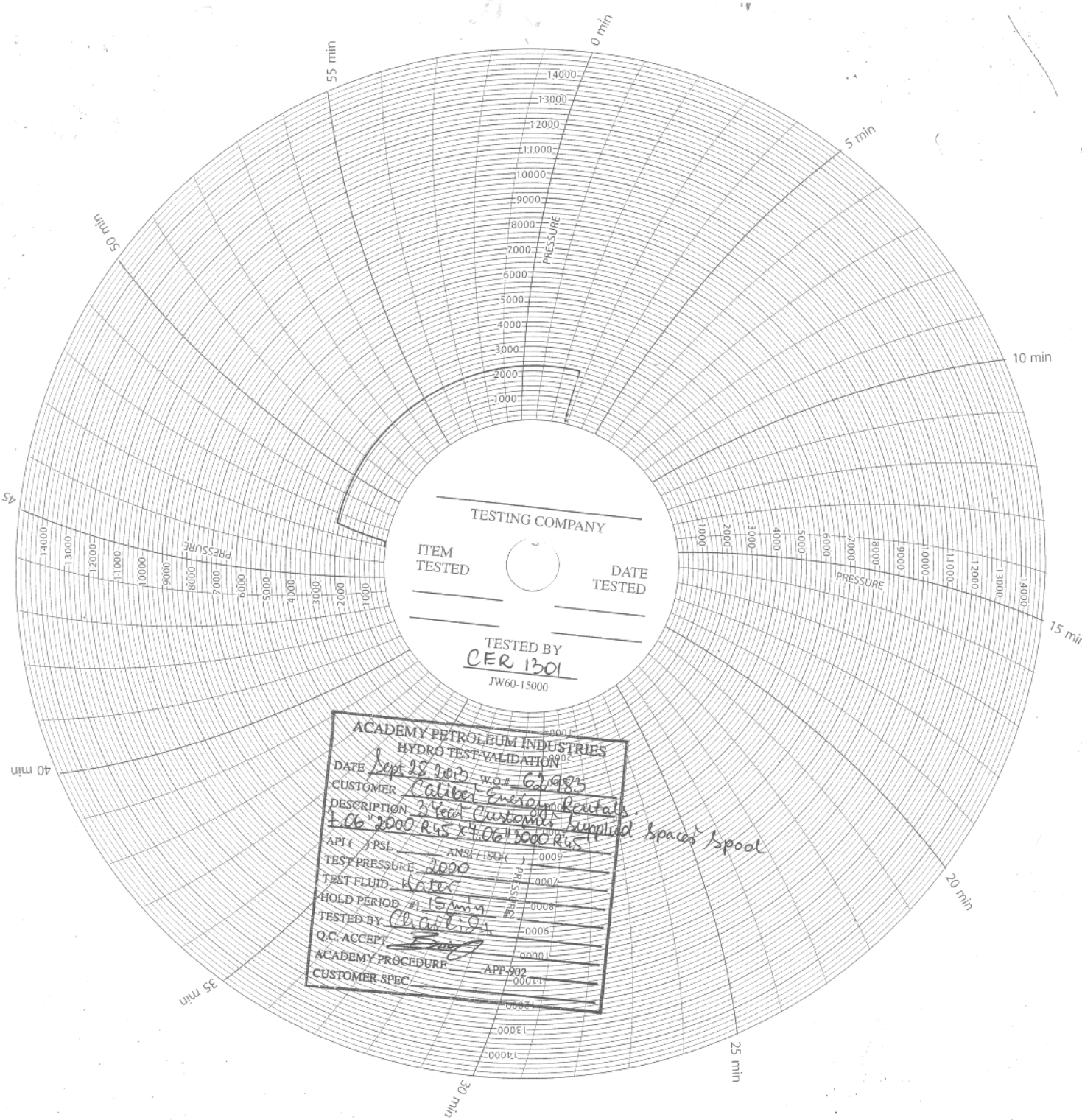
Required Test Pressure (psi)	Actual Test Pressure (psi)	Required Test Duration (min.)	Actual Test Duration (min.)
2000	2200	15	15 min.

Comments

No visible leakage at time of test. No evidence of damage by visual inspection after testing.

We hereby certify that the above tests have been conducted and that the results satisfy the applicable specification at the time of testing.

Tested By: Charlie R.	**Date:** Sept. 25, 2013
Academy Quality Assurance:	**Date:** SEPT. 25/13.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PRESSURE
TESTING COMPANY
ITEM TESTED
DATE TESTED
TESTED BY
CER 1301
JW60-15000
ACADEMY PETROLEUM INDUSTRIES
HYDRO TEST VALIDATION
DATE Sept 28 2023 W.O.# 62983
CUSTOMER Caliber Energy Rentals
DESCRIPTION 3 Used Customer Supplied Spacer Spool
4.06" 2000 RJS X 4.06" 5000 RJS
API ( ) PSL ANSI / ISO ( )
TEST PRESSURE 2000
TEST FLUID Water
HOLD PERIOD #1 15 min #2
TESTED BY Chuck Ellis
Q.C. ACCEPT
ACADEMY PROCEDURE APP-902
CUSTOMER SPEC