



**UZTEL S.A.**

**OILFIELD EQUIPMENT MANUFACTURING AND REPAIRS**

Str. MIHAI BRAVU 243 , cod 100410, PLOIESTI, PRAHOVA-ROMANIA

Phone: + 40 (0) 244/541399; 523455; 0372441111, Fax: 544531, 521181; E-mail: office@uztel.ro

FISCAL CODE 1352846, R.C. PLOIESTI NO. J29/48/1991 web site: www.uztel.ro

IN REORGANIZARE JUDICIARA

IN JUDICIAL REORGANISATION

EN REDRESSEMENT

## **CERTIFICATE OF CONFORMITY AND GUARANTEE**

No. 846      DATE *February 20, 2015*

S.C. UZTEL S.A., Ploiesti-Romania, certifies that the product :

<i>REPAIRED</i>	<i>Quantity</i>	<i>Serial No.</i>
<i>1. 13 5/8"x 700 bar (10000 PSI) Cameron Single Ram BOP type U</i>	<i>1 pc.</i>	<i>A 789</i>

(name, type, model, charge or serial no.)

manufactured under contract (order) no. *M 2498* date *25.11.2015*, buyer: *ABB BUSINESS CONCEPT LUGOJ* is in accordance with the contractual technical specifications, and the followings standards, norms :

*API 16A, 3<sup>st</sup> Edition, June 2004*

(name and / or no. and issuing date of standards or other documents)

The products meet the following requirements :

*This is to certify that the above equipment(s) has been Repaired / Remanufactured to meet the requirements of API and /or UZTEL specifications (where applicable) and with your order requirements*

Manufacturing date: *February 23, 2015*

This certificate guarantees quantity , quality and proper operation of the above products.

Guarantee period :

\* from the commissioning date

max. month

\* from the delivery date , no more than

max. month

Dipl. Eng. Serban Gruescu  
Management Representative

Dipl. Eng. Cristina Bobescu  
Head of QM Department

## WARRANTY

1. All UZTEL's ( the Seller ) products are guaranteed against defects of material and workmanship .
2. The warranty is granted for the specified period of time , but no more than maximum 18 months from the delivery date or 12 months from putting into service. This warranty is expressly in lieu of all other warranties , express or implied , under contract or otherwise. Additional warranties are granted only by written decision of UZTEL's top management.  
In case the equipment ( product ) contains items having smaller service life or a useful life cannot be expressly guaranteed ( wear parts, greasing materials, lubricators, etc. ), the warranty doesn't cover the replacement ( supply ) of these items unless the Buyer wants to order them separately or has a servicing contract for this kind of items
3. The warranty is granted only for those products/services for which the contractual established conditions have been observed and/or for the specified requirements in applicable documents (maintenance and repair instructions, technical books , user manuals , specifications, norms etc.)  
The Buyer must give proof ( document ) that the products and equipment have been used under proper conditions , the same they have been designed and manufactured for, and that there is no infringement by:
  - use to other working parameters than specified and guaranteed (pressure, temperature, flow, speed, working fluid, voltage, etc.);
  - improper or handling, mounting or operating ;
  - improper transport , storage or stockade ;
  - exposable to chemical agents or working fluids, others than those for which the equipment was intended for ;
  - exposable to light and temperature in excess ;
  - improper maintenance.
4. Warranty is not granted to those products submitted to changes without the Seller's written approval. Changes means any interventions to products or equipment, such as :
  - compounds replacement, matching, protective coating, welding, grinding, heat treatment, painting, etc.
5. Warranty is granted only to the original Buyer and it's valid for the zone and contractual conditions stipulated for the products delivery.
6. The Seller's liability shall be limited to repairing , replacement , remanufacturing or discounting of supplied products and services and it doesn't cover other prejudices caused, deducted or implied ,such as:
  - expenses for transportation interruption ;
  - penalties for delay in delivery or putting into service ;
  - examinations, analysis without the seller's written acceptance.Warranty is limited to those expenses related to repairing or replacement by a similar product and to the product transportation from and to the original Buyer and the original buying zone.
7. No product or equipment returned to the manufacturer shall be accepted to be paid (discounted) without the previous written approval of the Seller.
8. The Seller shall not be liable to the Buyer for any loss or damage suffered by the Buyer or for any delay in delivery as a result of force major situations such as : natural disasters, flood, earthquake, fire, wars, embargo, government local restriction expropriation, interruptions of transportation, power failure, accidents, explosions,etc.
9. UZTEL's warranty for compounds manufactured by suppliers is limited to sub-suppliers' warranty the responsibility for these items guarantee being transferable .
10. If a default occurs ,during the warranty period ,the original Buyer must inform by phone UZTEL's Management / Technical Quality Control Compartment / Quality Assurance Compartment within 48 hours , and then notify in written within 7 working days , the following data:
  - technical data of the damaged compound;
  - identification data of the product (order, serial number, date of manufacture, no of quality certificate);
  - location (address) where product is damaged equipment;
  - the Buyer's contact representative;
  - probable cause of default.

 <b>CTC DEPARTMENT</b>	<b>PRESSURE TEST CERTIFICATE</b>	No.	270
		Date:	18.02.2015

Page.1 of 1

<b>Buyer:</b> <b>ABB BUSINESS CONCEPT LUGOJ</b>	<b>Contract no.:</b> <b>M 2497/25.11.2014</b>
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PRODUCT	STANDARD	SERIAL NUMBER	Pcs. [set]
<b>SINGLE HORIZONTAL PREVENTER 13 5/8-10M, CAMERON TYPE</b>	API 16A TP 030	<b>A 789</b>	1

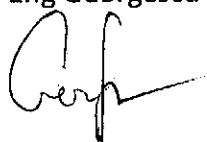
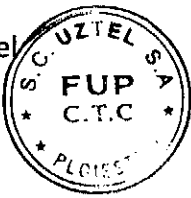
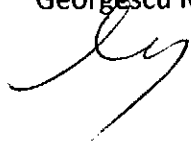
COMPONENT	TEST	TEST PARAMETERS MINIMUM				TEST RESULTS
		PRESSURE [bar]		DURATION, [minutes]		
		Prescribed	Performed	Prescribed	Performed	
Preventer body	Hydrostatic test	-	-	-	-	No visible leakage under test pressure, during each holding period.
		-	-	-	-	
Action body	Hydrostatic test	-	-	-	-	
		-	-	-	-	
Preventer Dimension ram (in): BLIND RAM	Hydrostatic Test seal rams	-	-	-	-	
	* Action Pressure	-	-	-	-	
Preventer Dimension pipe rams (in): 4"to 7"	Hydrostatic Test seal rams	14-21	19	10	10	
	Drift Mandrel 5"	689	712	10	10	
	*Action Pressure	*103÷114	106			
Pressure Test Method : according to API 16A and TP-030 Testing fluid : water Action Testing fluid : oil						

TEST RESULTS :

☒ ADMITTED

☐ REJECT

Test reports and certificates checks:

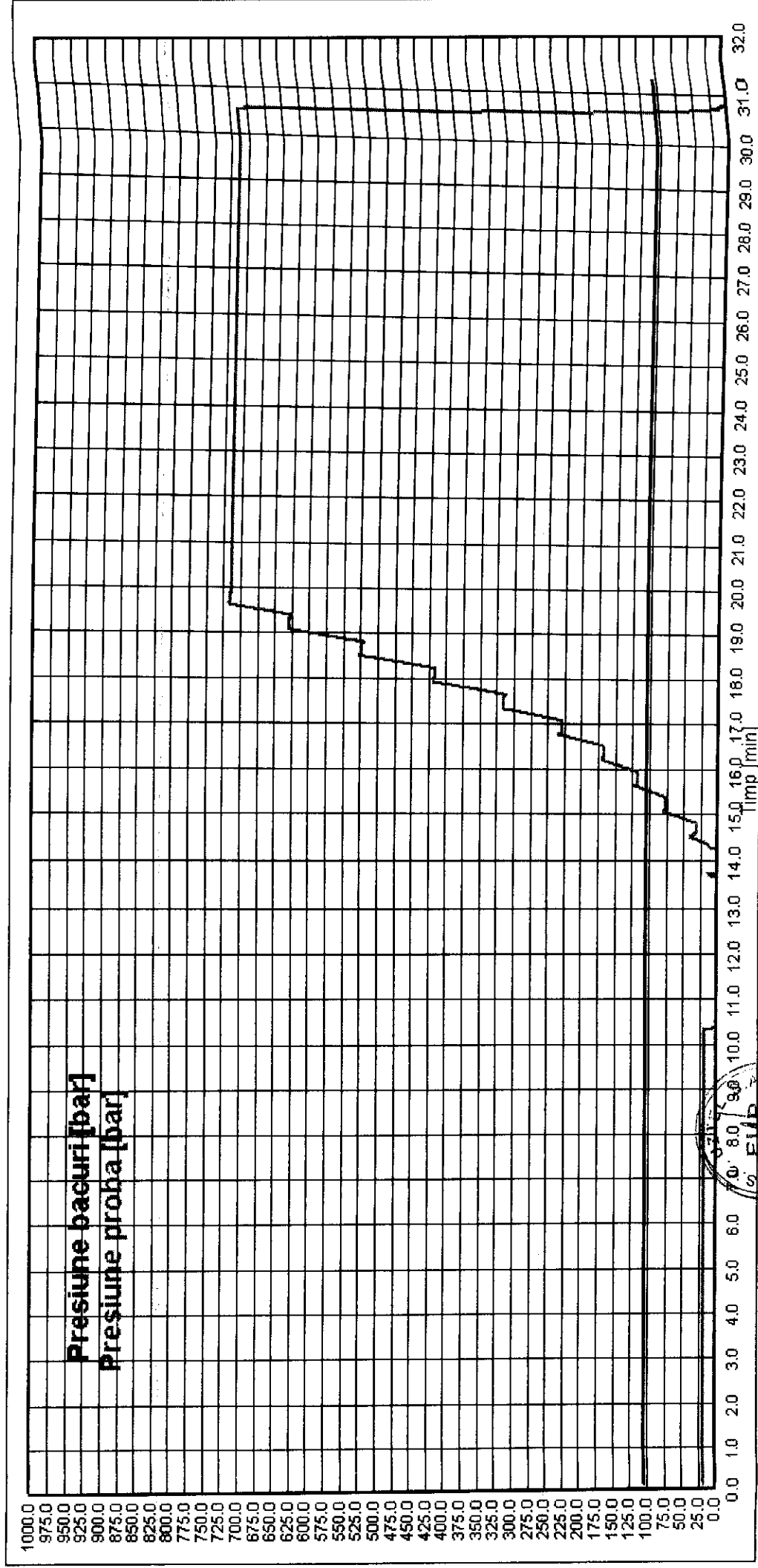
<p style="text-align: center;">CTC INSPECTOR - Name / signature</p> <p style="text-align: center;">Eng Georgescu Narcizel</p>  	<p style="text-align: center;">OPERATOR - Name / signature</p> <p style="text-align: center;">Georgescu Marian</p> 
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# SC UZTEL SA PLOIESTI ROMANIA

## UZTEL RESSURE TEST - CERTIFICATE APPENDIX

RESULT
<input checked="" type="checkbox"/> ACCEPTED
<input type="checkbox"/> REJECTED

Type of: Serial no: SR A789 SUP PROBAT DORN 5"  
 Pressure test method: Pressure diagram for: SR A789 SUP PROBAT DORN 5" start time on 18.02.2015 at 13:12 for: 0 hours 31.0 min 14.4 sec



Inspector AQ: **Nistor Stefan**  
 Operator: **GEORGESCU M**  
 NOTE: PREV SINGLE SF 13 5/8X10M - ETANSARE BAC VARIABIL 4"-7"



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EN REDRESSEMENT

## HARDNESS SURVEY

Customer : : ABB BUSINESS CONCEPT LUGOJ

PO number: M 2497/25.11.2014

Serial number: A 789

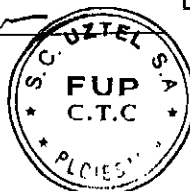
Description: SINGLE HORIZONTAL PREVENTER 13 5/8-10M, CAMERON TYPE

Quantity: 1 piece

Location	Brinell Hardness [HB]	Accept	Reject
<b>BODY</b>			
Top Flange	NA		
Top Flange Weld	NA		
Bottom Flange Bx 159	209	Yes	
Bottom Flange Weld	NA		
<b>BONNET</b>			
Top Flange	NA		
Top Flange Weld	NA		
Bottom Flange R 74	NA		
Bottom Flange R 74 Weld	NA		
<b>PISTON</b>			
External Diameter	NA		
External Diameter Weld	NA		
Bottom Flange	NA		
Bottom Flange Weld	NA		
Inspector Remarks :			

Inspected by: Urse Vasile

Date tested: 16.02.2015



SINGLE HORIZONTAL PREVENTER 13 5/8-10M, CAMERON TYPE

**CUSTOMER – ABB BUSINESS CONCEPT SRL LUGOJ**

**SERIAL NUMBER – A789 SUP.**

[illegible]

Name / Signature : ing Bănciu Dumitru

## Quality Control

**Name / Signature:** Tartacuta Marcel



**M.T. Examination Report**  
**No. 614 Date 16.02.2015**

Product	13 5/8"x10M Cameron Single Ram BOP type U	Pcs.	1
Item	CORP/BODY	Drawing	-
Purchaser	ABB BUSINESS CONCEPT LUGOJ	Part Number	-
PO.	M 2498/25.11.2014	Material	-
Testing and Reference Procedure: ASTM E 709; TC-003/B and API 16A			
MAGNETION METHOD	<input type="checkbox"/> PRODUCT	<input checked="" type="checkbox"/> YOKE	<input type="checkbox"/> COIL
	Curent Intensity Magnetic Flux Distance Equipment No	Curent. AC Magnetic Flux.- Distance. 200 mm Equipment No. 6245 B 100	Curent. Intensity. Turns. Magnetic Flux. min. Equipment No.
INSPECTION METHOD : ASTM E 709 , TC-003/B		<input checked="" type="checkbox"/> WET	<input checked="" type="checkbox"/> FLUORESCENT
POWDER. MR 76 F Sr.No.B:76F/106 1A		SUSPENSION IN : <input checked="" type="checkbox"/> OIL <input type="checkbox"/> WATER TRADE MARK: MR CHEMIE-GMBH	
BLACK LIGHT INTENSITY: 27300 $\mu$ W/cm <sup>2</sup>		Type :Uv Spot – No. 4919	
CLEANING METHOD: Diluent:Sr.No.B:85/1028A			
DEMAGNETIZATION: N/A			
EXAMINATION WAS MADE <del>BEFORE</del> / AFTER HEAT TREATMENT			
EXAMINATION WAS <input type="checkbox"/> Proof machined <input type="checkbox"/> Semi finished <input checked="" type="checkbox"/> Fully machined			
SKETCH OF WORK PIECE		HEAT No.	SERIAL No.
<p align="center">CONTROLAT CANALE ETANSARE</p>		=	A 789
Recordable Indications :			
<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes			
Results: <input checked="" type="checkbox"/> Accepted/ According to TC-003/B and API 16A		<input type="checkbox"/> Rejection	
Q.C.Examiner/Examinator Level/Nivel -II		Name	Signature
Checked By/Sef Laborator Level/Nivel -II		Crisu Corneliu	Eng.Dumitru Victor Gheorghe
		Ing.Dumitru Victor	3130-PT2 / 3132-MTN / MT / PT 3131-PT2


# Certificate of Progress and Completion of Painting

Work Order No.: 27988 R1  
 Buyer : ABB BUSINESS CONCEPT LUGOJ  
 Coating System: PL-7.5.05.1 rev.0 and AP-025 rev.A  
 Equipment Description: 13 5/8"x 700 bar (10000 PSI) Cameron Single Ram BOP type U - repaired  
 Serial No: A 789

## Surface preparation

Blast Specification  
 Anchor Profile (µm)  
 Type of abrasive




Date:	13.02.2015	Start Time	10 <sup>00</sup>
		Stop Time	10 <sup>25</sup>
		Sa 2,5	✓
		Average	50
		Shot	✓

  
 Inspector Signature  
 Date: 13.02.2015

Monitoring											
Coat	Coating applied	Colour	Batch Number	Ambient temp, °C	Substrate temp, °C	Relative Humidity, %	Dew point, °C	Date	Required DFT, µm	DFT Reading, µm	Average reading, µm
1st	16441 UniBar ZF Universal	Grey	A: 16441-7040- 201410130042 B: 201412160077	23	19	52	12	13.02.2015	40-60	50-95	42.5
2nd	Barilene Coatings Semigloss E541	Red (RAL 3020)	10443-30302 201410130031	22	19	49	13	19.02.2015	50-60	150-165	157.5

We hereby certify, that the above works have been completed and are accepted.

Chief of HSEQ Management Dept   
 Inspector name:   
 Inspector name: 

Signature   
  


Date 20.02.2015



S.C. UZTEL S.A. Ploiești	<b>TECHNICAL FILE</b>	Pag.1
	<b>CAMERON RAM BLOWOUT PREVENTER 13 5/8" x 10000 psi</b>	Content pag. 11
		Reparation N <sup>o</sup> . : .....

**S.C. „UZTEL” – S.A.  
PLOIESTI**

**PASSPORT  
for**

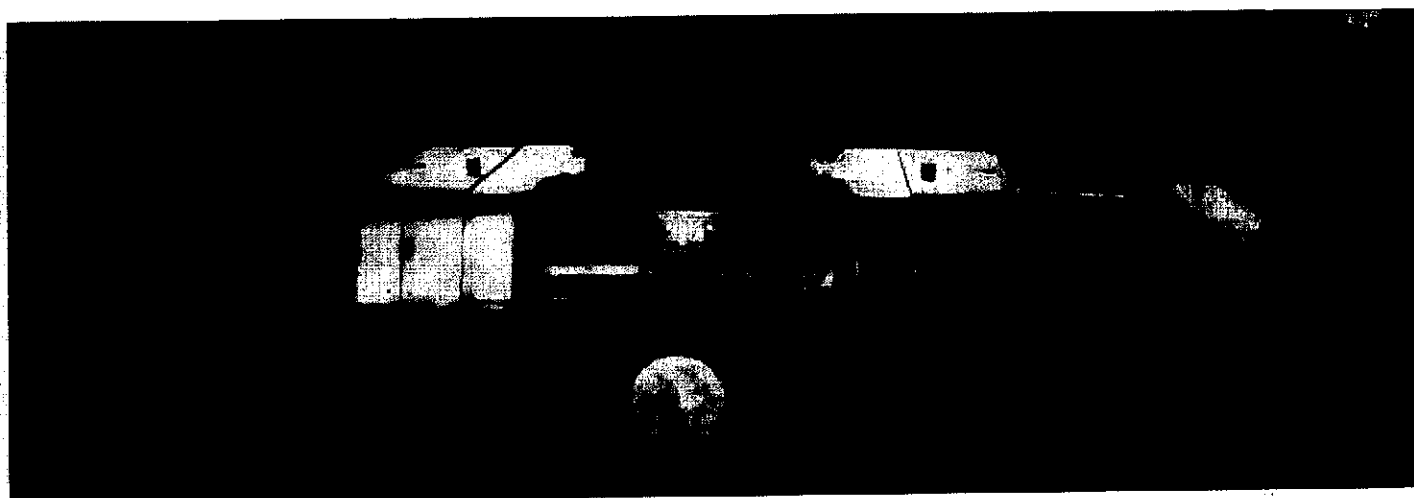
**CAMERON RAM BLOWOUT PREVENTER 13 5/8" x 10000 psi**

Reparation N<sup>o</sup> : A 789 SUP



S.C. UZTEL S.A. Ploiești	<b>TECHNICAL FILE</b>		Pag.3
	<b>CAMERON RAM BLOWOUT PREVENTER</b>		Content pag. 11
	<b>13 5/8" x 10000 psi</b>		Reparation N <sup>o</sup> . : .....

Main technical features			
Unit destination:		The hydraulic horizontal double ram blowout preventer are wellhead equipments designed to close the well and prevent free blowouts	
1. Symbol		13 5/8 x 10000 psi	
2. Typ		Plate, horizontal, double, hydraulic acting	
3. Bore size		13 5/8" ( 346mm)	
4. Working pressure		10000 psi	
5. Service		" MARINE MEDIUM "	
6. Ring groove (top)		BX-156 SS	
7. Ring groove (bottom)		BX-156 SS	
8. Ring groove (side outlet)		BX-152 SS	
		BX-155 SS	
9. Size of side outlet		2 1/16" x 10000 psi	
		4 1/16" x 10000 psi	
10. Raportul de închidere / On ratio		11.7:1	
11. Raportul de închidere / Off ratio		3.8:1	
12. Liquid volume for hydraulic acting one par rams		5.8 / 5.5 gal.	
13. Lochikng screw turns (each end)		18	
OVERALL DIMENSIONS			Weight
Length	Width	Height	
172.55 in	30.250 in	41.688 in	10300 lbs



S.C. UZTEL S.A. Ploiești	<b>TECHNICAL FILE</b>	Pag.4
	<b>CAMERON RAM BLOWOUT PREVENTER</b> <b>13 5/8" x 10000 psi</b>	Content pag. 11
		Reparation N <sup>o</sup> . : .....

Testing and mounted unit data	
Mounted data	The unit it is assembled in according with Manufactured Drawing
Unit Test (test type, time, loading, bearings temperature etc.)	<ul style="list-style-type: none"> <li>- Test is in according with requeste of API 16A and TP-030.</li> <li>- Without exceeding the maximum working pressure.</li> </ul>
Control department conclusions (assembling and testing)	<ul style="list-style-type: none"> <li>- Assembly and tests are in accordance with the project and technical requirements of S-TH-001</li> </ul>
Label (type and size of the marking)	<ul style="list-style-type: none"> <li>- Repaired number it is marked on the label</li> </ul>

S.C. UZTEL S.A. Ploiești	<b>TECHNICAL FILE</b>		Pag.5
	<b>CAMERON RAM BLOWOUT PREVENTER</b>		Content pag. 11
	<b>13 5/8" x 10000 psi</b>		Reparation N°. : .....

Exploitation data		
Accomplished work		
Remarks		
Maxim Support Loading		
Drilling meter		
Drilled Worked	Until depth	
	At depth	
Date	Function out	
	At depth	
Derrick		
Derrick N°		
Remarks: if local situation needs supplementary files will be completed		

S.C. UZTEL S.A. Ploiești	<b>TECHNICAL FILE</b>	Pag.6
	<b>CAMERON RAM BLOWOUT PREVENTER</b> <b>13 5/8" x 10000 psi</b>	Content pag. 11
		Reparation N°. : .....

Exploitation data	
II. Repairs and partial replacements	
Mentions	
Replaced pieces	
Reparation type, cause of the replacement	
Repair plant	
Date	
Mentions: if local situation needs supplementary files will be completed	

S.C. UZTEL S.A. Ploiești	TECHNICAL FILE	Pag.7
	CAMERON RAM BLOWOUT PREVENTER 13 5/8" x 10000 psi	Content pag. 11
		Reparation N°. : .....

[illegible]

## Exploitation data

### Damages and proposal for improvement

[illegible]

### Quality improvement proposals

[illegible]

It is compulsory to complete the technical file and transmitted to the plant





S.C. UZTEL S.A. Ploiești	TECHNICAL FILE	Pag.9
	CAMERON RAM BLOWOUT PREVENTER 13 5/8" x 10000 psi	Content pag. 11
		Reparation N°. : .....

### Information's about unit requirement

1. In accordance with prescriptions, this file need completed and communicated to the plant after 6 months unit work

1. In accordance with prescriptions, this file need completed and communicated to the plant after 6 months.				
Type denomination and size	Beneficiary		Repair date	Repair N°
Mounted location	Start work date	Hour N° of work	Drill meter	Remarks

## 2. Revision and periodical repair results

### 3. Unit damages in drilling time

S.C. UZTEL S.A. Ploiești	<b>TECHNICAL FILE</b>	Pag.10
	<b>CAMERON RAM BLOWOUT PREVENTER</b> <b>13 5/8" x 10000 psi</b>	Content pag. 11
		Reparation N°. : .....

4. Unit behaviour remarks (must be indicated: if unit it is capable for work, if it is complied with projected productivity). The unit compare with are similar unit and specify functions behaviour.

5. Customer desires (about construction, quality, productivity etc.)

Date

Chief e

Signature,

Name,