

Report #: **137798-BV-12** IRISNDT Job #: **137798** Date: **APRIL 07, 2009** Page **1** of **1**  
 Client: **CNRL** PO/Job #: **10200011.5430.115-G816** Contact: **KEITH MCINTOSH**  
 Job location: **ETZIKOM COMPRESSOR STATION, MEDICINE HAT WEST, AB** Tel: **780-991-7644**  
**LSD: 08-24-006-10W4M** Fax: \_\_\_\_\_  
 Procedure(s): **UT THICKNESS**  
 Code(s): **ASME SECT VIII**

Item Inspected: **Inlet separator A0496494** Material: **Carbon Steel**  
 Method:  Contact  Immersion  Other: \_\_\_\_\_ Surface Temp (C):  < 5°  > 5° / < 60°  > 60°  
 Type:  P/E  T/T  Dual  Automated  TOFD Scanning Surface:  OD  ID  Other: \_\_\_\_\_  
 Application:  Laminar  Shear Wave  Volumetric  Thickness Surface Condition: **Good**

Instrumentation: Manufacturer: **Krautkramer** Type: **DMS-2** Instrument Ser. #: **31530**  
 Calibration: Date: **Feb 03, 2009** Reference Flaw Size: \_\_\_\_\_ IRISNDT #: **31530**  
 Calibration Block(s): Type: **Step Wedge - I** IRISNDT #: **125214** Type: \_\_\_\_\_ IRISNDT #: \_\_\_\_\_  
 Type: \_\_\_\_\_ IRISNDT #: \_\_\_\_\_ Type: \_\_\_\_\_ IRISNDT #: \_\_\_\_\_  
 Couplant: Brand: **Echogel** Type: **971** Cable: Type: **Coaxial** Length: **36"**

PROBE						SETTINGS - dB			RANGE - <input type="checkbox"/> INCHES <input type="checkbox"/> MM		
Manufacturer	Type	Serial #	Angle	Frequency	Size	Reference Level	Scanning Level	Transfer Value	Screen Size	Skip Value	Beam Travel
<b>Krautkramer</b>	<b>Dual</b>	<b>01F988</b>	<b>0</b>	<b>8.0 MHz</b>	<b>0.250</b>	<b>55dB</b>	<b>+6 dB</b>				

**INSPECTION DETAILS**

Scope: **Carry out UT examination of Inlet separator A0496494. Check for corrosion of the shell, heads and elbows to verify the integrity for service and identify any areas of concern. Examination revealed the following:**

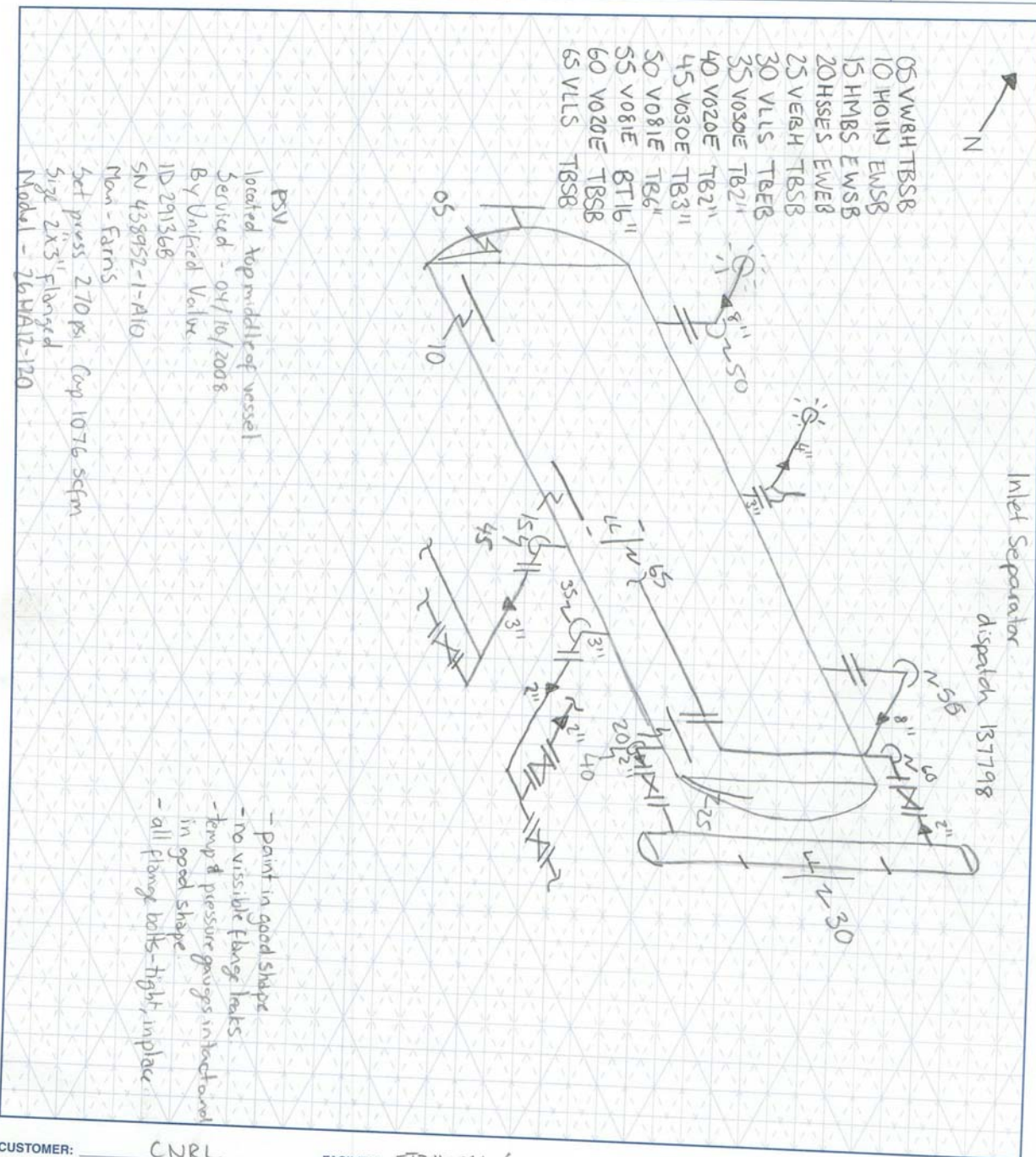
Results: **UT examination was carried out; all readings taken were 10" band scans with 3 readings per band/location. Minimum, maximum and average scans were taken in each location and recorded.**

**All readings were found to be above nominal on the shell, heads and elbows. No areas of concern were found at time of inspection.**

**Recommendations: Carry out visual external inspection at the next opportunity and also continue to carry out UT Corrosion survey at the required frequency. See attached drawing, pictures and UTM file for locations and thicknesses recorded.**

**Final Comment:**  
**Inlet separator A0496494 was found to be in good shape.**

Assistant: <b>ADELE GEMMELL</b> <input type="checkbox"/> CGSB <input type="checkbox"/> SNT UT Level: <input type="checkbox"/> I <input type="checkbox"/> II <input type="checkbox"/> III No. #: _____	Technician: <b>BLAIR VERGE</b> <input checked="" type="checkbox"/> CGSB <input type="checkbox"/> SNT UT Level: <input checked="" type="checkbox"/> I <input type="checkbox"/> II <input type="checkbox"/> III No. #: <b>5586</b>
Unit: <b>393</b> Km: _____ Travel Time: _____ Start: _____ Stop: _____ Work hrs: _____ <input type="checkbox"/> OT Meal <input type="checkbox"/> Subsistence required Total hrs: _____ Consumables: _____	Signature: _____  Client Name: _____ Signature: _____



05 VWRH TRSB  
10 HO1N EWSB  
15 HMBS EWSB  
20 HSES EWER  
25 VERH TRSB  
30 VLLS TRB  
35 V030E TR21  
40 V020E TR21  
45 V030E TR31  
50 V081E TR6  
55 V081E BT6  
60 V020E TRSB  
65 VLLS TRSB

PSV  
located top middle of vessel  
Serviced - 01/10/2008  
By Unified Valve  
ID 291368  
SN 438952-1-A10  
Man - Farnis  
Set press 270 psi Cap 1076 sqm  
Size 2x3" Flanged  
Model - 76HA12-120



Inlet Separator  
dispatch 137798

- paint in good shape  
- no visible flange leaks  
- temp & pressure gauges inboard and in good shape  
- all flange bolts - tight, in place

CUSTOMER: CNRL FACILITY: ETZIKOM Compressor Station LSD: 08-24-006-10w4M  
 P & ID: \_\_\_\_\_ DRAWN BY: A Gemmell DATE: 07Apr09 DRAWING NO. \_\_\_\_\_  
**VESSEL INFORMATION:**  
 Equip. No. \_\_\_\_\_ Pro.Reg.No (A) A0496494 C.R.N. R4179.2 Serial No. C2033A.HS Yr. Inst. \_\_\_\_\_  
 Code/Div. \_\_\_\_\_ Size: 48" ID 40Dx Manufacturer: Rushton Gas & Oil Equip Yr. Blt. 2003  
 C. Stamp 70 Service: \_\_\_\_\_ PWHT: \_\_\_\_\_ J.E.: \_\_\_\_\_ Radiography: RT-2 Insulated: no  
**HEAD:**  
 Top Mat'l \_\_\_\_\_ Top Nom. 1.125" Top C.A. \_\_\_\_\_ SHELL: Material \_\_\_\_\_ Nominal 1.250" C.A. .0625"  
 Btm Mat'l \_\_\_\_\_ Btm Nom. \_\_\_\_\_ Btm C.A. \_\_\_\_\_  
**BOOT:**  
 Head Mat'l \_\_\_\_\_ Head Nom. \_\_\_\_\_ Head C.A. \_\_\_\_\_ CHANNEL: Top Mat'l \_\_\_\_\_ Top Nom. \_\_\_\_\_ Top C.A. \_\_\_\_\_  
 Shell Mat'l \_\_\_\_\_ Shell Nom. \_\_\_\_\_ Shell C.A. \_\_\_\_\_ Btm Mat'l \_\_\_\_\_ Btm Nom. \_\_\_\_\_ Btm C.A. \_\_\_\_\_  
 MAWP Shell side: 4964 kpa @ Temp. 54c MAWP Tube Side: \_\_\_\_\_ @ Temp. \_\_\_\_\_  
**PIPING INFORMATION:**  
 Circuit. No. \_\_\_\_\_ Line No. (s) (PLEASE PUT LINE NUMBERS ON APPLICABLE LINES ON THE DRAWING)  
 Piping Class \_\_\_\_\_ Service: \_\_\_\_\_ Yr. Blt. \_\_\_\_\_  
 MAWP: \_\_\_\_\_ @ Temp. \_\_\_\_\_ Size & Schedule of Piping (PLEASE PUT APPROPRIATE SIZES AND SCHEDULES OF PIPING ON DRAWING)

## A0496494 UT Readings

Readings in inches

LOC 5	1.275	1.317	1.280
LOC 10	1.284	1.285	1.284
LOC 15	1.285	1.285	1.285
LOC 20	1.281	1.282	1.281
LOC 25	1.277	1.301	1.290
LOC 30	0.227	0.230	0.229
LOC 35	0.580	0.592	0.588
LOC 40	0.355	0.369	0.360
LOC 45	0.615	0.620	0.617
LOC 50	0.346	0.359	0.356
LOC 55	0.313	0.325	0.315
LOC 60	0.355	0.364	0.361
LOC 65	1.288	1.293	1.288