



# Alpine NDT Services Inc.

Report #: 1128-4  
 Item Examined: Vertical Separator  
 Client: Aspire Energy Resources  
 Branch: Red Deer  
 Location: Aspire Shop  
 Client Rep: Jenn Clarkson

Serial #: 2187  
 Inspection Date: 11/25/2014  
 PO #: 20674  
 WO #:  
 Reference #: Job# 4495

### TESTING EQUIPMENT

#### UT Machine

Make: GE Inspection Technologies    Model: USM Go    Serial #: 13016019    Calibration Date: 3/5/2014

#### Transducer

Make: Stresstel    Serial #: 13J00TH7    Frequency: 5 MHz    Size: .250"    Angle: 0°    Mode: Longitudinal

#### Calibration Block

Type: 4 Step Block    Serial #: 12-4685    Reflector: BWE    Thickness: .250" – 1.000"

Code: ASME VIII Appendix 12

Acceptance Criteria: Client Specification

Temperature: Ambient

Material: Carbon Steel

Surface Prep: Bare Metal

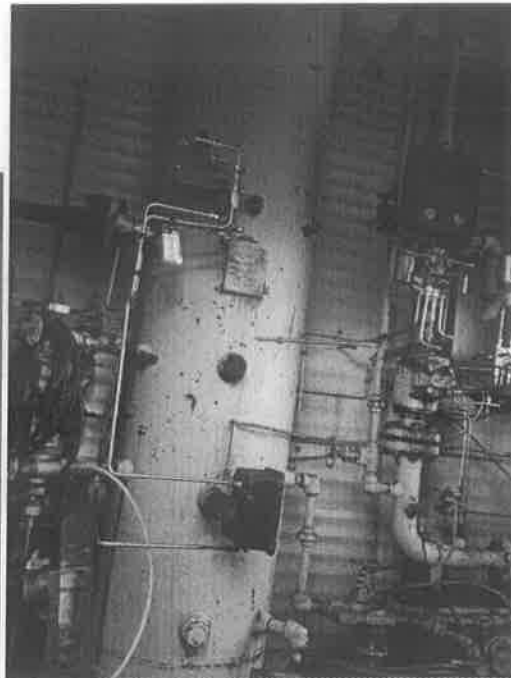
Procedure: UT-1 Thickness Testing

### EXAMINATION RESULTS:

Examination was conducted on the 24" vertical separator for thickness as requested. Thickness measurements include the paint thickness of approximately .005" thick.

Results:

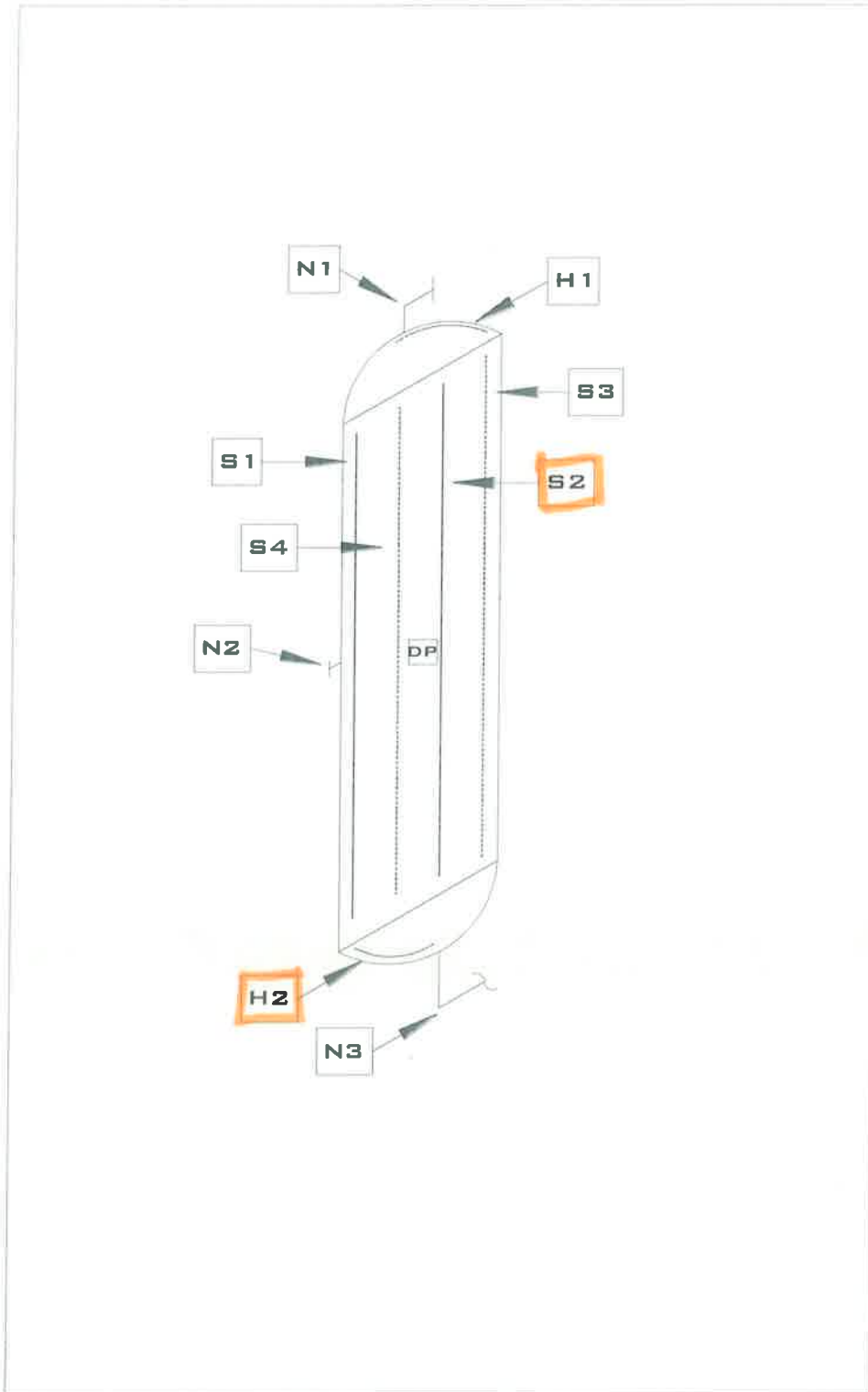
Ser.# - 2187    A# - 433724    CRN# - N-0655.2



Technician: Mitch O'Meara  
 Assistant:

Signature: *Mitch O'Meara*

Qualifications: CGSB - MT2  
 SNT - UT1





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A# 433724	Item: Vessel & Nozzles					Date: Nov. 25, 2014	
Location	Size	Sch.	Nom.	Min.	Component	Min.	Avg.
H1	24"	Plate		1.000"	Head Scan	1.094"	1.125"
H2	24"	Plate		1.000"	Head Scan	1.081"	1.140"
S1	24"	Plate	1.125"	1.115"	Shell Scan	1.132"	1.165"
S2	24"	Plate	1.125"	1.115"	Shell Scan	1.125"	1.160"
S3	24"	Plate	1.125"	1.115"	Shell Scan	1.129"	1.165"
S4	24"	Plate	1.125"	1.115"	Shell Scan	1.127"	1.165"
N1	3"	XXS	0.600"	0.525"	Nozzle (Elbow)	0.624"	0.675"
N2	3"	XXS	0.600"	0.525"	Nozzle	0.592"	0.620"
N3	2"	160	0.343"	0.300"	Nozzle (Elbow)	0.287"	0.300"



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Canada

Name/  
Nom

**Mitchell O'Meara**

Reg. No. /

**17560**

No. matricule

Issue Date /

**2013/01/08**

Date d'émission

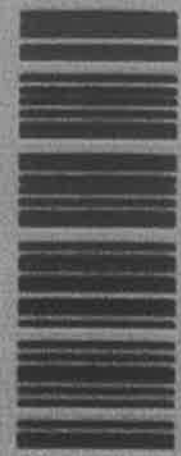


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Corrective lenses for  near  far vision.

Verres correctifs pour la vision de  près  distance.

Signature ↓





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Certified to / Certifié selon : CAN / CGSB-48.9712

17560

<b>Method</b> <b>Methode</b>	<b>Level</b> <b>Niveau</b>	<b>Sector</b> <b>Secteur</b>	<b>Cert. Date</b> <b>Date cert.</b>	<b>Date recert.</b> <b>Date recert.</b>	<b>Expires</b> <b>Expiration</b>
MT	2	EMC	2013/01/07		2016/12/31

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Manager, Certifying Agency  
 Gestionnaire, Organisme de certification

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