



ULTRASONIC INSPECTION REPORT

DATE:	JUNE 13/2014	REPORT #:	UDB-140613-1	PAGE 1 of 1
CLIENT:	ASPIRE ENERGY RESOURCES		ECHO JOB #:	
CONTRACTOR:				
LOCATION:	RED DEER	PROJECT:		
ITEMS EXAMINED:	VIEW BELOW			
PROCEDURE:	UT-1	CLIENT JOB # (PO, WO, AFE..):	PO #19052	
ACCEPTANCE CRITERIA & SPECIFICATION:	ASME VIII DIV. I APP. 12, ASME V, ART. 4			

METHOD									
MODE:	<input checked="" type="checkbox"/> Zero Degree	<input type="checkbox"/> Shear Wave	<input type="checkbox"/> Specialty:						
EQUIPMENT TYPE:	GE USM Go	Serial No.:	USMGO10070272	Last Calibration:	MAR 24/2013				
CABLE LENGTH:	38"	COUPLANT:	UT-X						
CAL BLOCK(S):	<input type="checkbox"/> 1/2" Step	<input checked="" type="checkbox"/> 1" Step	<input type="checkbox"/> 3/4" ASME	<input type="checkbox"/> 1 1/2" ASME	<input type="checkbox"/> DSC	<input type="checkbox"/> IIW	<input type="checkbox"/> TEST PIECE:		
REF RELECTOR:	Type: Perpendicular	Size:		Depth:		Response Ht.:	80% FSH		

	ANGLE	WAVE	FREQ	SIZE	MFG.	SER NO.	RANGE	REF DB	SCAN DB	TL DB
1	0	LONG	5MHZ	0.250"	Stressteel	01YB64	50MM	58	6	65
2	45	SHEAR	5MHZ	0.380"	GE	02148D	100MM	39	6	45
3	60	SHEAR	5MHZ	0.380"	GE	02148D	150MM	42	6	48
4	70	SHEAR	5MHZ	0.380"	GE	02148D	200MM	42	6	48

SURFACE CONDITION: Clean Base Metal As Ground Machined Sand Blast Painted Other:

TEST RESULTS

UT ZERO DEGREE INSPECTION WAS PERFORMED ON THE VESSEL AND COIL LISTED BELOW, AS REQUESTED BY THE CLIENT. FOLLOWING PAGES HAVE LOCATIONS AND READINGS OF AREAS INSPECTED AT TIME OF INSPECTION.

A#	S/N	
244369	4451-20	SPLIT 20" CONTACTOR
2543156	4539-20A	20" CONTACTOR & GAS LEG
3063194	PC-216	SPLIT 20" CONTACTOR

*PIPING NOMINALS ARE ASSUMED ON SEPARATOR

Misc Charges	NAME / CERTIFICATION/SIGNATURE	Regular Hours	VIEW
	DAMIAN BRYNE	OverTime Hours	CEFO-140613-1
	CGSB / SNT-TC-1A LI UT # 14089	Shift Premlum	
Client: (name/approval)		Kilometers	
		Assistant	JAKE LAWRENCE



A# S/N
3063194 PC-216 SPLIT 20" CONTACTOR

BAND	LOW	AVG	NOM
⚡ 00	0.976	0.984	NA
05	1.023	1.040	NA
10	1.044	1.065	NA
15	1.027	1.061	NA
20	1.001	1.024	NA
25	1.009	1.024	NA
Ⓟ 30	0.996	1.024	NA
35	1.006	1.027	NA
40	1.005	1.029	NA
45	1.009	1.021	NA
⚡ 50	0.959	0.976	NA
55	0.310	0.335	0.358
60	0.427	0.440	0.438
65	0.442	0.45	0.438

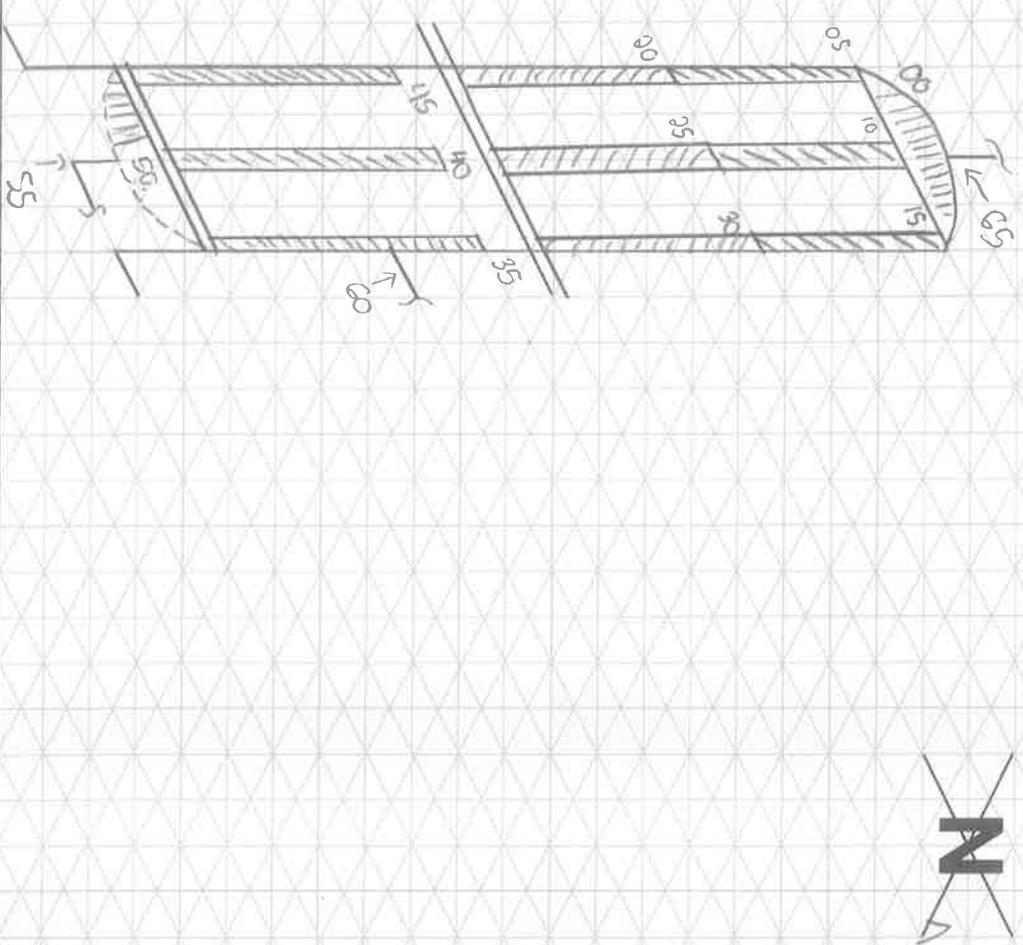
DATE: June 13/11

TECHNICIAN: D.B.

ASSISTANT: J.L.

Client	Aspire		LSD	Aspire Yard	
Equipment	Contactax		Serial # / Manufacturer	PC-216	
CRN	M1867.01	A #	30631941	#	19941
DWG	AS02.3	Plant or Field (Circle)	PSIG / KPA	F / C	CA
Survey	/		1410	100	/
Item Band Location	Head	Shell	55	60	65
Material	/	/	C/S		
OUTSIDE Diameter	90"	80"	1.315"	3.5"	3.5"
Type	1	Plate	1	5	5
Comment	/	/	/	/	/
Nominal Thickness	/	/	1.358"	1.938"	1.938"

* Limited Access to bottom head



COMMENTS

- 1) Cryogenic Service
- 2) Insulated
- 3) No Name Plate
- 4) Name Plate Illegible
- 5) No Access
- 6) Too Hot
- 7) Rough Surface
- 8) O.D. Pitting
- 9) L.D. Pitting
- 10) I.D. Pit
- 11) Pile / Plate (Circle One)

Piping Types

1. 90° Nozzle	6. 360° Circ Pipe
2. 90° Pipe	7. Tee Nozzle
3. 45° Nozzle	8. Tee Pipe
4. 45° Pipe	9. Straight Nozzle
5. 360° Circ Nozzle	10. Straight Pipe

Head Types

1. ellipsoidal	5. toriconical
2. torispherical	6. flat
3. spherical	7. hemispherical
4. conical	

Common Materials

A 53-B	C 516-70
B 106-B	D 234-WPB

Ensure all information is recorded for vessel boots, when applicable.



ASPIRE ENERGY
RESOURCES LIMITED

4304 - 39139 Hwy 2A
Red Deer, Alberta T4S 2A8
Email: admin@aspireenergy.com
Bus: 403-314-5422
Fax: 403-314-1823

PURCHASE ORDER

SHOW THIS PURCHASE ORDER NUMBER
ON ALL CORRESPONDENCE, INVOICES,
SHIPPING PAPERS AND PACKAGES.

19052

JUNE 11/14

DATE

JOB NO.

TO: ECHO

PHONE

FAX

DATE ORDERED	SHIP VIA	FOR	TERMS
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ORDERED BY JC (ws)

TAX EXEMPT
 YES NO

PHONE ORDER TAKEN BY JEFF

QTY ORDERED	QTY RECEIVED	DESCRIPTION	PRICE	AMOUNT
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		SHEARWAVE CN(2) NOZZLES AS PER ASME SECTION VIII, DIV I, 2013 EDITION; JOB# 4438 A#131759 SN# HT-180053-1290		
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		UT INSPECTIONS ON THE FOLLOWING VESSELS AS PER ASME SECTION VIII, DIV I, 2013 EDITION (APPENDIX 12)		
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(A) 244369	SN# 4451-20	SPLIT 20" OD CONTACTOR TOWER (btm 1/2 back fence (E36-A) (top 1/2 by package down last row E36-B) PRESSON MANUFACTURING		
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(A) 2543156	SN# 4539-20A	24" CONTACTOR TOWER c/w GAS LEG & EXCHANGER (laying in pile @ back fence) (PRESSON)		
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(A) 3063194	SN# PC-216	20" OD CONTACTOR TOWER (E-37) SPLIT (top 1/2 laying in pile @ back fence, btm in package - last row) (PETROCRAPTS/ARCO)		
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(A) 226719	SN# 4213-20	20" OD CONTACTOR TOWER c/w GAS LEG (laying @ back fence) (PETROCRAPTS/ARCO) (PRESSON)		
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(A) 154688	SN# 87387-AA	@ 13 1/4" ID CONTACTOR TOWER (PROPAK) (laying @ back fence)		
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ALL FITTING DESIGNS MUST BE REGISTERED WITH THE ABSA

- PLEASE SEND _____ COPIES OF YOUR INVOICE.
- ORDER IS TO BE ENTERED IN ACCORDANCE WITH PRICES, DELIVERY AND SPECIFICATIONS AMOUNT.
- NOTIFY US IMMEDIATELY IF YOU ARE UNABLE TO SHIP AS SPECIFIED.

AUTHORIZED BY



Natural Resources
Canada

Ressources naturelles
Canada



Name / Nom: **Damian Bryne**
Reg. No. / No. matricule: **14089**
Issue Date / Date d'émission: **2014/05/01**

This card does not identify the stated individual to be an employee or representative of Natural Resources Canada, Government of Canada.
Cetle carte n'identifie pas l'individu d'être un employé ou un représentant de Ressources naturelles Canada, Gouvernement du Canada.

Corrective lenses for: [] near [] far vision.
Verres correctifs pour la vision de: [] près [] distance.

Signature: *Damian Bryne*



Natural Resources
Canada

Ressources naturelles
Canada

Ca. Matricule: 14089 / 14089

14089

Method / Méthode	Level / Niveau	Sector / Secteur	Cert. Date / Date cert.	Date recert. / Date recert.	Expires / Expiration
UT	1	EMC	2014/04/14		2017/12/31

For verification of certification status, policies and definitions, visit website:
<http://nrc.nrcan.gc.ca/> Pour la vérification de la certification, les politiques, et les définitions, visitez le site web: <http://nrc.nrcan.gc.ca/>

Manage / Gérer votre Agence / Fonctionnaire / Fonctionnaire de certification



Echo NDE Inc.

59 Burnt Park Drive / Red Deer, AB / T4P 0J7

This is to certify that: **Damian Bryne**

Is certified as an SNT-TC-1A Level I in UT

Issue Date: April 2014

Expiry: April 2017

Damian Bryne

Darryl Coleman

Damian Bryne

Darryl Coleman,
SNT-TC-1A Level III

Damian Bryne

14089

Registration Number
Numéro de matricule

is certified by the Canadian
Nuclear Safety Commission
as an Exposure Device
Operator.

est accrédité par la Commission
canadienne de sûreté nucléaire
à titre d'opérateur d'appareil
d'exposition.

2013/02/01
Issue Date
Date d'émission

2019/11/01
Expiry Date
Date d'expiration

Darryl Coleman
Designated Officer
Fonctionnaire désigné

Canadian Nuclear
Safety Commission

Commission canadienne
de sûreté nucléaire

Canada



Natural Resources
Canada

Ressources naturelles
Canada

Canada

NRCAN EYE EXAMINATION REPORT - NDT PERSONNEL

Three vision assessments may be required: Near Vision, Distance Vision (visual testing method only) and Colour Vision (initial certification only). This form must be completed and returned to the NDT Certifying Agency when applying for examination in any NDT method, renewal of certification or recertification.

CANDIDATE'S NAME: DAMIAN BRYNE REGISTRATION NUMBER: 14089

Near Vision and Distance Vision – to be completed by medically recognized personnel (ophthalmologist, optometrist, physician, nurse, etc.)

<p>Near vision acuity: shall permit reading Times Roman N4.5 (Jaeger number 2) or equivalent letters at not less than 30 cm with one or both eyes, either corrected or uncorrected.</p>	<p>Distance vision acuity: (required only for the visual testing method) shall equal Snellen Fraction 20/30 or better in at least one eye, either corrected or uncorrected.</p>
<p>I CONFIRM THAT THE CANDIDATE: (Please check <input checked="" type="checkbox"/> one)</p> <p><input checked="" type="checkbox"/> Meets the requirement without correction <input type="checkbox"/> Meets the requirement with correction <input type="checkbox"/> Does not meet the requirement</p>	<p>I CONFIRM THAT THE CANDIDATE: (Please check <input checked="" type="checkbox"/> one)</p> <p><input checked="" type="checkbox"/> Meets the requirement without correction <input type="checkbox"/> Meets the requirement with correction <input type="checkbox"/> Does not meet the requirement</p>

Minesh Kuttarywala
 Examiner's Name (Please Print/Type) Examiner's Signature
Optometrist 2014/06/05
 Appointment/Title Date of Eye Examination yyyy/mm/dd

Colour Vision (required only for initial certification, not for renewal or recertification)
 - to be completed by medically recognized personnel or the employer or certified level 3 NDT personnel.

NOTE: A candidate who passes an Ishihara test (short or long) is acceptable. As an alternative or in case of a failure of an Ishihara test, the employer or Level 3 NDT personnel may administer a performance test to confirm if the candidate can see flaw indications that are typical of the method. Example: In liquid penetrant, confirm that the candidate can see red indications on a white background and fluorescent-green indications on a variety of backgrounds.

I CONFIRM THAT THE CANDIDATE CAN DISTINGUISH CONTRAST BETWEEN THE COLOURS USED IN THE NDT METHOD(S) CONCERNED AS SPECIFIED BY THE EMPLOYER (OR PASSED AN ISHIHARA TEST).

Minesh Kuttarywala
 Examiner's Name (Please Print/Type) Examiner's Signature
Optometrist 2014/06/05
 Appointment/Title Date of Eye Examination yyyy/mm/dd

NOTE: PROVINCIAL HEALTH CARE PROGRAMS MAY NOT COVER THE COST FOR AN EYE EXAMINATION

EMPLOYEE QUALIFICATION ASSESSMENT RECORD

Technician Damian Bryne
 Test Method UT SNT Certification Level I

INITIAL CERTIFICATIONS

Standard	Method	Level	Initial Certification Date	Latest Recertification Date	Expiry
SNT-TC-1A	UT	I	April 2014		April 2017

RELATED CERTIFICATIONS

Standard	Method	Level	Sector	Date	Expiry	Reg. No.
CGSB	UT	I	EMC	April 2014	December 2017	14089

RELATED WORK EXPERIENCE

EMPLOYER	DESCRIPTION	START DATE	END DATE
Echo NDE Inc.	NDE TECHNICIAN	2006	

EXAMINATION RECORD

TESTING ORGANIZATION	EXAM	DATE	GRADE %	PASS/ FAIL	PRACTICAL AUDIT COMPLETE
Echo NDE Inc.	UT	April 2014	100	P	X

VISION ACUITY/COLOR CONTRAST DIFFERENTIATION

Vision acuity testing is required on an annual basis, color differentiation is required every three (3) years. The test shall be in accordance with Section 9.0 of Echo NDE Inc.'s Written Practice. Refer to individual's related eye examinations, both vision and colour.

SNT-TC-1A CERTIFICATION STATEMENT

Based upon demonstrated training as evidenced by valid CGSB certification, work experience, successful Practical Demonstration and valid vision requirements set out by Echo NDE Inc's Written Practice and the guidelines set out by SNT-TC-1A the candidate meets the requirements for SNT-TC-1A certification.

This statement is accurate and current only when accompanied by CGSB certification, vision acuity and colour test and a completed Practical Demonstration.

Approved:  Date: April 30, 2014
 Darryl Coleman
 SNT-TC-1A Level III