

TO WHOM IT MAY CONCERN:

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MaXfield Inc.

RETROFIT 20 INCH MANWAY ON SHELL

FOR

XXL ENGINEERING

C/O COMPTON PETROLEUM CORP. P.O. # 11572-034R1

> S/N #: 12212A CRN #: C4936.2

TABLE OF CONTENTS

TITLE	<u>SECTION</u>
AB-40 REPAIR AND ALTERATION REPORT	1
NAME PLATE FACSIMLIE	2
U1A MANUFACTURER'S DATA REPORT	3
CRN ACCEPTANCE LETTER	4
REPAIR CHECKLIST	5
REPAIR AND ALTERATION PROCEDURE	6
MILL TEST REPORTS	7
NDE REPORTSRADIOGRAPHIC EXAMINATION REPORTS WFMPI REPORTS UT REPORT AFFIDAVIT HYDRO	8
STRESS RELIEVING CHART	9
DESIGN DRAWING	10



BOILERS AND PRESSURE VESSELS REPAIR AND ALTERATION (A

REPORT

OWNER EQUIP NO.:

<u>126332</u> 31-1310

Box 830 1026 Western Drive Crossfield, AB TOM 0S0 AQP No. & Expiry Date 1062-S July 24, 2008 Location of Installation 4-15-22-27-W of 4M Dalemead Compressor Station 2. Name of Owner XXL Engineering c/o Compton Petroleum Corp. Address Suite 3300, 425- 1st St. SW Calgary, AB T2P 3L8 3. Boiler/Pressure Vessel Description 25.3 Cu.M Skidded Bulk Storage Vessel CRN C4936.2 Manufacturer's Name Western Rock Bit Company Ltd. Serial No. 12212A 4. Design Conditions: a) Vessel/Shellside/Boiler: Max Allowable Working Press. 225 Min/Max Design Temp -20/150°F b) Jacket/Tubeside: Max Allowable Working Press. Min/Max Design Temp // 5. Description of defects (location and types of deterioration that resulted in the repair/alteration). Added 20" Manway			REPAIR [] an	d/or	ALTERA	TION 🖂	Partial 🔲 F	inal [
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			(A) #: 1263	32	OWNER EQUIP. NO. 31-1310
12.	Pressure Test		Vessel/Boiler/Shellside		Tubeside/Jacket
	a) Hydrostaticb) Other Test	375 psi			
13.	Welded Replace properly identified supplied by others	and signe	s: Attached are Manufactud d by Authorized Inspector	rer's Partial Data R s for the following it	Reports or Repair/Alteration Reports ems of this report: (Welded parts
14.	Responsibility O	wner/Clie	nt. Identify below items th	at the owner/client	has assumed responsibility for. Note (2)
	a) Design Subm	ission	b) Repair/Alteratio	n Procedure:	c) Material Control
					g) Pressure Test
		ent must h			or the scope of work, to assume responsibility fo
16. We	certify that the sta	tements man	CERTIFICATE OF	ect and that all des	ign, material, construction and workmanship on
แแอ			he requirements of the Alb		•
	MaXfield Inc.	па ехсері і	or items identified in 14:	D)	For items identified in 14 only:
	(Repair/Alter	ation Organization	n Name) July 24, 2008		(Owner/Client Organization Name)
	Dale W.	mber-& Expiry Dai	e) Sept 27/05		(AQP Number & Expiry Date)
	(Sig	nature & Date) WH 666			(Signature & Date)
		rint Name)	7		(Print Name)
17.	DATE WORK WAS	COMPLETE	ED: Sept. 28, 2005		
18.			CERTIFICATE OF	INSPECTION	
l ha in a	ve inspected the recordance with the	epairs and/ Safety Co	or alterations described in des Act and Regulations.	this report. To the	best of my knowledge this work has been done
	(Required when C	wner-User	tification (Field Only) Inspects the work under r-User Quality Program).		fety Codes Officer Certification rk is inspected by ABSA).
	Ov	vner-User AQP# 8	Expiry Date		SEP 2 8 2005
	Owner User In-S	Service Insp	ector Signature & Date		ABSA SCO Signature & Date
	Owner-User	In-Service Inspect	or Name (Please Print)		Print Name
	Owner-Us	ser In-Service Insp	ector Alberta Cert #		
Re	port Received by	ABSA SCO)	Date	



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Styl.

AFFIDAVIT OF MANUFACTURER

LABOUR General Safety Services Division Boilers Branch

COVERING BOILER OR PRESSURE VESSEL

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-		ann agree eug aye tet	ting of coupons when	e technited the	M.Z.A TP	E. Code requies	Yes.	
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HOT FAULT	, meretra	ming capacity Iralad	B.T.U.hr. output for	f hormores be		•		
FETY V	LLVEC.	•			M622}			-
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Teires	Ma	AR OR TANG HE	Provincial Registration Na.	Inles	Stat		See all a	
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Leuw 1109-3

A/26332 Conedian Registration number C.R.M. National Street number (it manufactured in U.S.A.) Manufacturer and manufacturer's serial number ... Plate mig's entires, spec, No. and tensile strength (Statco, SA 285 etc.) (for 5 and Will both) Effective heating surface and year built (1967 etc.) Initials of authorized shop impector ... PAESSURE VESSEL -Canadian Registration number _ C.R.N. __ C-4436.23 National Board number, [if manufactured in U.S.A.] Manufacturer and manufacturer's serial number ... Plate mig's initials, spec. No. and ternile strength ISseco, SA 285 etc.) 5. No. _122124 A-516-Gr.70 Maximum working pressure and temperature p.s.i. Temp. 150 Thickness of shell and heads ... Code paragraph number and year built (1967 etc.) u.w. 12(a) 19 76 Initials of Authorized Shop Inspector 11. I HEREBY DECLARE that the foregoing statements, having reference to boiler or pressure Vessel bearing manufacturer's Sarial No. __12212A built by Western Rock Bit Company Limited of Calgary, Alberta are in all respects correct and true, and that the said boiler or pressure Vessel has been built in accordance with Provincial registered design No. . C-11936. 2 3. Bod that it complies fully with the A.S.M.E. Code and regulations of the Province of Installation under the Act governing the construction of boilers and pressure vessels. Signed Lea-Velborn 3000 Feren Sworn before me at Calgary in the Province for State) of _ Alberta Western Rock Bit Company Limited 510-77th Ave. S.E., Calgary, Alberta 12. CERTIFICATE OF SHOP INSPECTION I, the undersigned, a duly authorized Inspector of Boilers and Pressure Vessels employed by Government Alberta do hereby cartily that the foregoing statements are correct and that the material, construction and workmanship are in Provincial as Mational Board Inspector.

& SAFETY VALVES:

	Na. et telves	Maker's Name, Trade Mark or Type No.	Provincial Registration No.	iniet Diameter	Seat Diameter	Set to relieve	Free discusses	Capacity lbs. per hour
ļ								
i								

Does safety valve stamping, blow-down adjustment, etc., meet A.S.M.E. requirements?



#200, 4208 - 97 Street Edmonton, Alberta, Canada T6E 5Z9 Tel: (780) 437-9100 / Fax: (780) 437-7787

September 13, 2005

Attention: Daryl Bast

MAXFIELD INC
PO BOX 830
1026 WESTERN DRIVE
CROSSFIELD, AB T0M 0S0

Re: Design registration

The design submission, tracking number 2005-06689, originally received on August 22, 2005 was surveyed and accepted for registration as follows:

CRN:

C4936.2

Accepted on: September 13, 2005

Reg Type:

Alteration

Drawing No.: 2005-0823C Rev D

A#: 0126332

Design registered in the name of: WESTERN ROCK BIT CO LTD

The registration is conditional on your compliance with the following notes:

MAWP = 225 psig @ 150 deg. F

An acceptance letter and a copy of the stamped drawing will be sent to you. An invoice covering survey and registration fees will be forwarded from our Revenue Accounts. If you have any question don't hesitate to contact me by phone at (780) 433-0281 ext 332 or fax (780) 437-8797 or e-mail Desai@absa.ca.

Since rely,

DESAI, B.C., P. Eng.

Design Survey Engineer

MaX	fio	ld l	nc

REPAIR CHECK LIST

Reviewed by A.I.	AUG 2 5 2005	
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* Denotes A.I. Check Points

Date			

** Denotes A.I. Hold Points

1 2	No. 12212A A#: 1260 ITEM Repair Procedure Accepted by A.I. Weld Procedure No. 5-170 Crack Ma. Particle/Dye Check	COMMENTS	DATE Huy 25	B#: QAI ()_P		*OR**
2	Repair Procedure Accepted by A.I. Weld Procedure No. 5-170 Crack Ma. Particle/Dye Check	OK OK	20	QP	(1) h	OIX
	Crack Ma. Particle/Dye Check	N	- 		All	AUG 2 5 2005
3			Hug 25	AP		,
1 .	After Removal	NA	,		*	
4	Material Check Against Drawing	OK.	Sept. 26	P	Bf. *	SEP 2 8 2005
5	Material Checked Against Correct SA/SE Specification / MTL'S	OK	Supt 26	P	Bf, X	SEP 2 8 2005
6	Heat Number Recorded 1974 5339	7' OK	5ept 26	KH:	B1. *	SEP 2 8 200
7	Welder ID Checked ""	OK.	A.		1	
8	Impact Results Checked	No and A			ji k	
9	Shell Course Fit-up	MA			and the second s	
10	Flush Patch Fit-up	NA		\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		
11	Heads Fit-up	NA				7 7
12			Sof. 27	AP	B1 +	SEP 2 8 2005
13	Radiography Examination		Sef. 27	QP	BP. +	-SEP 2 8 2005
14		ss OK-	Sept 9	25	Bl. *	SEP 2 8 2005
15		OV	54PT221	JP.	BD. \$	P 2 2 2005
16	External Visual of Welds		€0£22	ap	Bloom	SEP 2 8 2005
17	PWHT Chart Checked	BAROUT	Sept.27	OP)		
18	B WFMPI before hydro	OK	Supr9.	E5'	41	
19	Hardness Test	NA				
20	Hydrostatic Test 375 PSI	OK.	5-17-26		Bl.	ŠĚP 26 2005
2	Mag Particle/Dye Check AFTER HUDRO:	DK.	sept 2?	NS	B.D. *	SEP 2 8 2005
22	AFTER HYDRO. 2 Alternative Test (air test)	NB		- 22.87	12.11	
23	Repair Form AB40 Completed	KX	KH5:45	(D).	bl. *	SEP 2 8 2005
24	Name Plate Attached		7,1	V. S. P.	1	SEP 2 8 2005
2		MA			7	
26		10/1/	N			

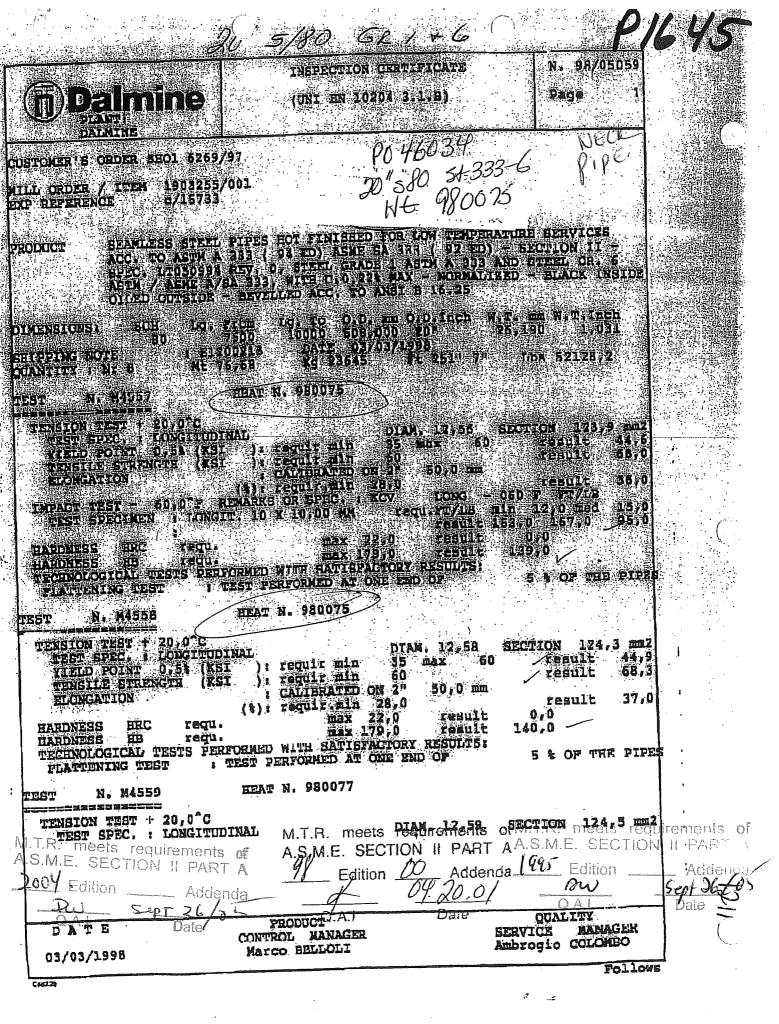


Repair and Alteration Procedure Revision B

Vessel Description	Sour Water Storage Tank S/N 12212A A#0126332 CRN: C4936.28
Job Number:	31-1310
Customer:	XXL Engineering c/o Compton petroleum Corp.
Date:	September 13/05
Reason for Repair and Alteration	20" Manway Retrofit in the <u>25.3 M3 USWG-NH3 Vessel</u> . This Skidded Bulk Storage built in 1976 is to be modified by the addition of 20" size RFWN 150# Manway at 3 O' clock position in the Shell course # 1 and need to be removed the internal risers and syphon drains connected with the Nozzles B,F,L,E and A,M and the internal clips connected with these internal pipes.
NDE Before Repair and Alteration	Inspect vessel by Visual and Perform MPI and UT to cofirm overall service condition.
	1):- Identify new location of 20" size Manway MH2.
	2):- Mark the area and perform the UT of that area for thickness measurement.
	3):- Localized pre-weld hydrogen bake performed by Cooperheat.
Repair and Alteration Procedure	4):- Cut the new hole and weld the new 20" size Manway as per the drawings # 2005-0823C Revision 0
(Include description of cutting, gouging, adding new material, weld	5):- Use WPS S-170 for welding of Manway Nozzle and pad to the vessel.
prep, weld procedure)	6):- Cut and Remove the Internal Risers from Nozzles B,F,L,E and A,M
	7):- Cut and remove the internal Clips attached to the vessel for supporting these risers and
	8):- Plug all the Extra Couplings
	9):- Following completion of all inspection, an AB-40 shall be done and presented to the A1
NDE After Repair and Alteration	100% RT the new manway areas. Repair defects and Re-do RT. New nozzle weld to have NDE as per drawing. Perform the WMPI of the Internal Clips removal areas.
PWHT (Time @ temp, band location and size if local)	N/A
NDE After PWHT	N/A
Hydro Pressure 375	38 psig @ 70°F (Revised in Rev B)

Engineering Sign Off





(fi) Dainine	INSPECTION CRRTIFICATE W. 98/0505 [UNI EN 10204 3.1.8) Page	
YIMID POINT OUS (RST TENSILE STRENGTH (RSI ELONGATION TMPACT TEST - 60,0 F R TEST UPPGIMEN LONGI	Teguli min 25 max 60 Temuit 36 1680	6 0
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C 0,13 Mn 0,99 N1 0,06 Cr 0,07 (Cu+n1+Cr+Mc+V CARBON EQUIVALENT		
	M.T.R. meets requirements A.S.M.E. SECTION II PART A Addenda Of. 20.0/ Date	

DATE

03/03/199B

PRODUCT CONTROL MANAGER MAICO BELLOLI GUALITY SERVICE MANAGER Ambrogio COLOMBO

Follows

INSPECTION CERTIFICATE

(INI EN 10204 3.1.2)

N. 98/0505

Page

EAT N. 980077

TEAT ANALYSIS E 1 10 T 0 10 1,00 CANEON BOOLVALENT

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0,004

Cu 0,16

1 L.F. (C+No/6+(Cr+Ro+V)/5+(N1+Cu)/18)

PRODUCT ANALYSIS

TEST 0,005

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0,005

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PAK-TIGHTWESS TEST OKRYONIED WITH EATISPACTORY RESULTS BY Trepresentation of the single personalities

CEVAL AND DINERSHOUND CONTROL OF THE TUBES HAS SUPPLICAURIED OUT WITH ATTSPACTORY RESULT

TEEL IS TULLY KILLED AND TRODUCED BY ELECTRIC TURNACE

EWARKS

WE EFFERY DECLARE THE PUBES ARE ACCORDING TO AFTM/98 ABME/05 A/8A 333 A530/A530M/92a IN STEEL GR. 1/6. TAT NO TIME DURING THE SANDFACTURE OF THIS REFERENCED PIPE STEE ANY NELDING PROOFFIFIES PERFORMED EARDNESS DOES NOT EXCLED BRC 22, ACCURDING TO MAKE MR-01-75 Ed. 95. MATERIALS MERCURY PRIE WE CERTIFY THAT OUR WATERIALS ARE PRES FROM OZONE DEPLIETING CHENICALS AND FULLY COMPLY IN ALL RESPECTS TO THE PACKAGE BEQUIREMENTS FOR BEAVY METALS OF THE CONEG MODEL LEGISLATION: TUBES HAVE BEEN NORMALIZED AT 920 °C FOR 25' TO A FINE GRAIN PRACTICE

O.D. TOLFRANCES + / - 16

CERTIFIED FACTORY UNI EN 180 9001: I.G.Q. Nr. 8603

M.T.R. meets requirements of A.S.M.E. SECTION II PART A Addend8 **Fdition**

D.A.I

Date

DATE

GWZZZ

03/03/1998

PRODUCT CONTROL MANAGER Marco BELLOLI

QUALITY Service HANAGER Ambrogio CCLOMBO

Abnahmeprüfzeugnis Nr. Inspection Certificate No. Certificate de Réception No. 143795 vom 17.05.04 EN 10 204 - 3.1B Wilhelm Geldbach DIN EN ISO 9001: 2000 PED 97/23/EC Au.I Kap.4.3 (RWTUV-0044) AD2000-W0 / TRD100 Industrie: Zeichen des Herstellerwerkes Manufacturer's mark/Poincon d'usine Zeichen des Werksachverständigen Inspector's stamp/Poincon de l'expert Wilhelm Geldbach Industrie GmbH Ziegelstraße 17 D - 45886 Gelsenkirchen Telefon: +49 209 15803 22 Telefas: +49 209 15803 499 Email : Q-S@W-G.DE Wilhelm Geldbach Industrie Gmbh tiegelstraße 17. 45886 Gelsentirchen M.T.R. meets requirements of W.F.F. FITTINGS&FLANGES FLANGE A.S.M.E. SECTION II PART A (CANADA) LTD.--7004K - 5TH STREET S.E. 2004 Edition _ Aug 24/05 CALGARY, ALBERTA T2H 2G9 Komm.-Nr/Pos Works-No. Rapport-No. Rechnungs-Nr/Pos Ihre Auftrags-Nr Your order-No. Votre Commande-No. Lieferdatum Delivery date Date de livraison (/n) 227299/210 50535/190 E04133DD 14.05.04 Lieferplan/Pos Menge Delivery Note Bon de livraison Quantité Bezeichnung des Gegenstandes Designation of article Designation du produit 92594/031 WN 150LB B16.5 20 RF SCH 80 Werkstoff: Material / Matiére LF2 CL.1, ASTM A350 Zugversuch Tensile test / Traction Kerbschlagbiegeversuch
impact test/ssai de flexion par choc
Form Temp. Schlagarbeit KV
Type Temp. Emergie of impact
Type °C J Probe-Nr. Richtung Streckgrenze (Re) Zugfestigkeit(Rm) Dehnung(A)
Test-No. Direction Vield strength Tensile strength Blongation
No d'essai Direction Limite elastique Emistance a la traction Allongement Einschnürung (Z)
Reduction of area
striction Rp 1: N/mm2 Reh/Rp 0, 25 N/mm2 2881 501 512 58 881B 042 042 040 057 058 055 332 56 2in. ISO-V -50 Härteprüfung / Hardness / Durete: HBW 2.5/187.5 = 150 - 160 Schmelze Code-Nr.
Heat-No./No. de coulée Code-No./ Code de coulée Erschmelzungsart Melting proc./Procede d'élaboration 12474 R Steelmaker: C.S. RESITA Schmelzanalyse Heat analysis / Ahalyse sur coulée Si Mn P S Cr Mo Ni ,21 1,09 ,014 ,009 ,07 ,02 ,09 Cuq · c · Mn/6 · (Cr·Mo·V)/5 · (Cu·Mi)/15)
U V Nb B Ceq Νi A7 Ti Cu В Ceq ,023 ,008 , 15 ,002 Anforderungen - Lieferzustand
Requierments / Spécifications - Delivery condition / Etat de livraison
NACE MR0175-2003 / HARDNESS <=22HRC / NI <1%
NORMALIZED 910 DEGR. C/AIR
IN ACC. TO ASME IIA SA350-02
ASTM A350-02 / ASME IIA SA350-02, ZUGELASSEN NACH VDTÜV 488
ASTM A350, SA350 Besichtigung und Maßkontrolle: o.B. / visual and dimensional check: w.o. / Controle visual et dimensional: satisfaisant. Die gestellten Anforderungen eind erfüllt. / The requierments are fulfilled. / Les conditions imposées sont satisfaites. Der Werksachverständige / Work inspector # L'expert de l'usine Brucherseifer / Bungard / Scheideler EDV - Zeugnis / EDI Test Certificate 20" RFWN CLISO Sch 80 HT 12474. Po 58378 SA 350-LF2,

M.T.R. meets requirements of A.S.M.E. SECTION II PART A

1925 Edition Addenda
Q.A.I. Sept 36/05

Date

CUE OMER EURCHASE (ORDER NUMBER	INF. 105 West	St., Saut Ste. M	Aarie, Untario,	, Canada, P	6A 7B4		17836	
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USE RESALE	REPORTS REQUIR	ASE DOT L	1-50 A572-50 TV X480. TP 3 m		anes Ken	985 Edition 1 PW A\$72-50	Apl	OT THE INTENDED RECEIVER, 705)945-2624 COLLECT FOR I	PLEASE CALL
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		THE THE				REPRODUCED EXCEPT IN FUL WRITTEN APPROVAL OF ALGO	MA STEEL INC
NSP T/R TEST REPORTS REQUIR	ED.					IF YOU RECEIVE THIS DOCUM NOT THE INTENDED RECEIVER,	PLEASE CALL
UST RESALE	4 2					(705)945-2624 COLLECT FOR IT ON METHOD OF DISPOSAL OF	NSTRUCTIONS DOCUMENT.
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AT C MN P G	A		ROPERT			* * * * * * *	* * *
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WARNING** THE TEST RESULTS AND VAL					PAGE	7 07 -	
SPECIFIED YIELD STRENGTU	UES REPORTED HEREIN INDICATE	ONLY THAT (I) THE PAR	TICULAR STEEL FOR WIL	IICH THIC CEPTIES	PAGE	7 OF 7	

THE TEST RESULTS AND VALUES REPORTED HEREIN INDICATE ONLY THAT (I) THE PARTICULAR STEEL FOR WHICH THIS CERTIFICATE IS ISSUED MEETS THE MINIMUM SPECIFIED YIELD STRENGTH AND (2) THE CHEMICAL ANALYSIS AND PHYSICAL PROPERTIES OF SUCH STEEL ARE IN CONFORMANCE WITH THE REQUIRMENTS OF ONE INDICATED. THE RESULTS OR VALUES REPORTED HEREIN CAN NOT BE USED TO QUALIFY THE STEEL FOR ANY SPECIFICATION OTHER THAN THE ONE INDICATED AND CAN NOT BE RELIED UPON FOR ANY PURPOSE (INCLUDING DESIGN OR CALCULATIONS) AS REPRESENTED THE



WESTERN INSPECTION LTD.

3231 - 58th AVENUE, S.E., CALGARY ALBERTA T2C 0B4

TEL: (403) 279-4540 FAX: (403) 236-3043

MaXfield Inc. 1026 Western Drive Crossfield, AB TOM OSO Tel: (403) 946-5678 Fax: (403) 946-4358

Job Number: PO Number:

31-1310RT

Date of Exam: Monday, Sep 19 2005 Job Location: Customer's Shop Legend: Trevor Lee Mitchell CGSB Lev. II, SMT Lev. II Jason Jacobsen Qualified Operator ASME VIII DIV. I UW-51 * (Loading) S = Single D = Double Technicians: T = Triple Acc Codes: Pre Heat Treat # (Result) ACC = Accept Inspected: REJ = Reject Carbon Steel Material: RETEST = Retest TR 192 Isotope: 2 x 3 mm 75 @ (Degree) = Acceptable Focal Spot: 2 = Slight Curies: 3 = Reject Full Degree: Processing: Automatic Note: SFD Does not include reinforcement

1				T	est Inf	ormation	 						Result Info	mation
Conn#	Test#										Type	' #	@ Discontinuity	From - To
	MI	RT3	1 B	H	20	1.031	80	10.0	S	5	D4-GEV- I	ACC ACC	l Porosity I Slag	

RT 3: T.291 g) S.O.D., half of the pipe I.D. less 1/2 of max. allowable reinforcement, T.291 h) S.S.O.F.D., nominal wall thickness plus reinforcement.

in

Units: Qty		Code	
			-
1	20/80	/00	

Units:

Sign Here: Trevor Lee Mitchell CGSB Lev. II, SNT Lev. II

Sign Here:

Customer Representative:

				MaXfield Inc. REPORT N	NUMBER 992013
Head	T	1 101	Head	Date Sept 28/05	Page _/_ of _ /
1			010 3	Job Number 31-1310	Inspected by: C.S.
po			159'	Serial # 12212A	
Ь			9" 	Vessel Information Shell Mat	l Nom Thk:
\ <u>\</u>	7 7	Storage Head Mat			
	Ш		Portable Shell Min	B	
			Thickness		
He	ead 1	MPI- Rev Type of	Inspection and Equipment		
			ead 2	☐ 1.Dry Visible ☐ Contr ☐ 2. Wet Visible ☐ AC Y	
()	2 3		13	☐ 2. Wet Visible ☐ AC Y ☐ 3. WFMPI ☐ DC Y	
I	1	(13		oke ☐ Visual Light ☐ UT Survey
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	5)	\ '	O	Acceptance Standard	d ASME SEC VIII App 6
				☐ Acceptance Standard	ASME SEC VIII App 8
		Time of In	spection		
				Prelim. Insp.	☐ Before PWHT
			·	☐ Before Hydro	After PWHT
Spot # (or) Area # (or)	1 2	3 4		After Hydro	
I Nozzle Mark # (or) Shell #		4	5 6	1	t Equipment
N Crack				☐ Pre WFMPI ☐ 2	(300) Halogen
D Gouge				☐ TB2 WFMPI ☐ 1	(300) ⊦
I Arc Strike					"D" Flashlight
C Thickness in Area					"C" Flashlight
A Undercut				∥ □ R	echargeable Flaslight
T Other				∥ □ ∟i	ght Meter
1					
O Defect Ground Out				Scope	
N Acceptable				All Internal Welds (Pads, No:	zzles, Circs, Longs)
s Reject				All External Welds (Pads, No	ozzles, Circs, Longs)
A Minor Repairs Reg'd <50%				100% Interior surface of hea	ds
C Major Repairs Req'd >50%				100% Exterior surface of hea	
T Fill & Grind				External welds visibly discen	nable in Interior
I Blend				☐ Back gouging / Bevelled Edg	jes Long seams
O Area Marked in Vessel		<u> </u>		■ Backgouging / Beveiled Edge	es Circ Seam
N Hydro / Rehydro			<u> </u>	☐ Back gouging Nozzles Listed	i 🍴
S Al Approval Required				Back gouging Cat "D" nozzle	
NCR #				Completed Cat "D" Nozzles I	Listed
		1 1 9 "		OTHER: Manuay + ma	nway repad inside/
- 11 1''	on areas 6	and 2. Bot	h removed	outside. Area's	where internal
with light	Bringing.	No other re	clevant	clips were rev	
COPIES TO: File Sun		Plant Office	Description -	previous repair (in	
<u> </u>	MI YIBUI	riant Office	Recorded In Log Book		Form NDE-001rev 2

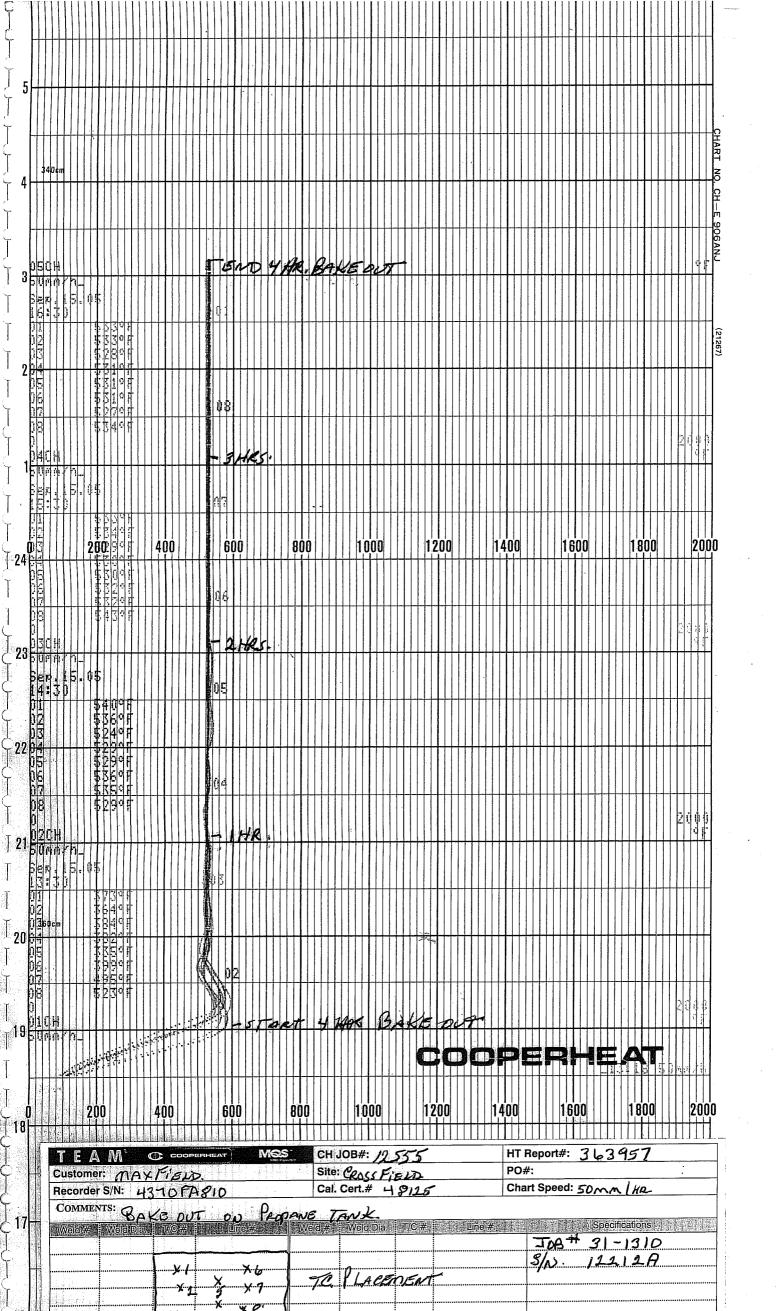
								MaXfield Inc. REPORT NUMBER 992002		
				T				Date Scot 9105 Page 1 of 1		
								Job Number 31-1310 Inspected by: C.S.		
	(ł		4		1	Serial # \22\2 \?		
	1						}	Vessel Information Shell Mat'l A-SIG-70 Nom Thk: .7781		
								Storage Head Mat'l A-Sit-76 Nom Thk: .7725 Shell Min Thickness		
	·		l							
				UHT Head Min Thickness MPI- Rev Type of Inspection and Equipment						
								☐ 1.Dry Visible ☐ Contrast ☐ Prepared Bath		
				☐ 2. Wet Visible						
								☐ 3.WFMPI ☐ DC Yoke ☐ Visual		
	(1		:	☐ UT ☐ Black Light ☐ UT Survey		
	\						1	Acceptance Standard ASME SEC VIII App 6		
								☐ Acceptance Standard ASME SEC VIII App 8		
ff			•					Time of Inspection		
								Prelim. Insp. Before PWHT		
								☐ Before Hydro ☐ After PWHT		
	Spot # (or) Area # (or)	1	2	3	4	5	6	After Hydro Procedure Used Light Equipment		
l	Nozzle Mark # (or) Shell #									
11	Crack							1 = (***)		
D	Gouge							☐ TB2 WFMPI ☐ 1 (300)		
1	Arc Strike				 			☐ Visible ☐ 3 "C" Flashlight		
С	Thickness in Area							☐ 3 € Flashight		
A	Undercut							Light Meter		
Т	Other						-	Light Weter		
1								Scope		
o	Defect Ground Out							All Internal Welds (Pads, Nozzles, Circs, Longs)		
N	Acceptable							☐ All External Welds (Pads, Nozzles, Circs, Longs)		
S	Reject							100% Interior surface of heads		
A	Minor Repairs Req'd <50%							100% Exterior surface of heads		
C	Major Repairs Req'd >50%							External welds visibly discernable in Interior		
11	Fill & Grind							Back gouging / Bevelled Edges Long seams		
11	Blend						····	Backgouging / Bevelled Edges Circ Seam		
11	Area Marked in Vessel							Back gouging Nozzles Listed		
11	Hydro / Rehydro							☐ Back gouging Cat "D" nozzles Listed		
s	Al Approval Required							Completed Cat "D" Nozzles Listed		
	NCR#	<u> </u>	L .					OTHER:		
	Comments: No rele	vant	<u>indicat</u>	ions f	ound.					
					· · · · · · · · · · · · · · · · · · ·					
	CODIES TO: FT FILE F									
	COPIES TO: File	Supervisor		Plant Office		Recorded In	n Log Book	Form NDF-001rev 2		

					MaXfield Inc. REPORT NUMBER 99 2003					
		.79	1 .828	0.2	819 838			Date Sept 9105		
		. 813		.813	1 .	1		Job Number 31-13	Inspected by: CS	-
	Head H		1.000	1 .	788 .807		Head	Serial # \22\2F	1	
	Head H	.85	2 855	.843 :	794 .849	s /	1	Vessel Information Storage	Shell Mat'IA-SI6-70 Nom Thk: .7	181
		. 800	288.		807 .838	1 /		Portable	Head Mat'l ASIG-70 Nom Thk: ,7 Shell Min Thickness (2.76 %)	372
				Libit				UHT	Shell Min Thickness 0.76 \$1 Head Min Thickness 0.7625	
								MPI- Rev	Type of Inspection and Equipme	
	,	Head 2			H	read 1		1.Dry Visible	Contrast Prepared Bat	
	_	.883				200		2. Wet Visible	☐ AC Yoke ☐ Contrast Pain	1
		. 00)			· / ·	880		☐ 3.WFMPI	☐ DC Yoke ☐ Visual	
	(8.	8. 038	12)		009.	.897		OT _	☐ Black Light UT Survey	
	(""		'		(/			ce Standard ASME SEC VIII App 6	
		.888.			\ .	903		Acceptant	ce Standard ASME SEC VIII App 8	
11									Time of Inspection	
						4		Prelim. Insp.	☐ Before PWHT	
								Before Hydro After Hydro	After PWHT	
r	Spot # (or) Area # (or)	1	2	3	4	5	6	Procedure Used	Light Equipment	
	Nozzle Mark # (or) Shell #						*	Pre WFMPI	2 (300) Halogen	
11	Crack							TB2 WFMPI	1 (300) F	
D	Gouge							UT Survey	☐ 3 "D" Flashlight	
ı	Arc Strike		***************************************					☐ Visible	3 "C" Flashlight	
С	Thickness in Area								Rechargeable Flaslight	
Α	Undercut								Light Meter	
Т	Other									-
ı									Scope	
О	Defect Ground Out							All Internal Welds	s (Pads, Nozzles, Circs, Longs)	
N	Acceptable							4)	ls (Pads, Nozzles, Circs, Longs)	
s	Reject							100% Interior sur		
Α	Minor Repairs Req'd <50%							☐ 100% Exterior su	-	1
С	Major Repairs Req'd >50%								sibly discernable in Interior	
T	Fill & Grind								evelled Edges Long seams	
ı	Blend								evelled Edges Circ Seam	
0	Area Marked in Vessel							☐ Back gouging No	-	
61	Hydro / Rehydro							71	it "D" nozzles Listed	
s	Al Approval Required								O" Nozzles Listed	
	NCR#								a spots on shells +	
	Comments: All re	corded	thick	nesses	above			Heads		
	prinipal	w								
				Plant Office						
	COPIES TO: File	Supervisor			Form NDE-0	01rev 2				

MaXfield Inc.

Affidavit of HYDRO

Job Number: 31-1310	Date: 5 - pt 26/05
Serial Number: 12212 12	Alberta #: 126332
National Board #:	Other ID #:
Medium: Water	Temperature: Ambient
Gauge(s): 356/354.	Time: HR
Pressure: 375 psi/	kPa
MaXfield Inc. Q.A.I.:	24
ABSA Inspector:	/
Customer Representative:	





ØF-GA

EARL CORPUET	JOB No. 1	Certificate A	No. 8125
THE SHIP STATE			
Instrument Model YOKOGAWA 4	11 1800 Serial N	10. 4370 <i>FN</i>	8/9
Range: 🗵 0 - 2000°F 🔲 Other	Sensor	Type: 🗵 K 🗀 Other	
Environmental Conditions: Temperature	<u>68</u> °F Humidit	ıy <u>32</u> %	
Date of Cal APRIL 8, 125	Next Ca	al. Due $\Delta c = 3/2$	05
INSTRUM	ENT USED TO PERFORI	M CALIBRATION	
Certificate No3.331.7 Se			wy 4/05
ALLEI	CALIBRATION DAT NTRIES ARE °F UNLESS OTHE		
Signal Input	As Found	As Left	Accuracy (Tolerance)
Test Temp. "a" <u> </u>	200	200	±
Test Temp. "b" <u> </u>	<u>008</u>	800	±&
Test Temp. "c" <u>/ Δ Δ ウ</u>	/000	/000	±6
Test Temp. "d" <u>/26</u> 0	1200	1200	±6
Test Temp. "e" / 600	/600	- 7600	L 4
CONDITION FOUND: In Tolerand	e 🔲 Out of Tolera	ance 🗆 New	
The state of the s	Ω / C		
I, LIEAN //I	NAEQU Intrame) A 77 A		that the above work was
performed and that calibration was in account and against standards traceable to the Na	ordance with <u>\</u>		ov/
是是自己的	建筑器	1 1/1///	
机型交流的现在分词	Sig	gnature	
的原理和原理制度的		064	
据于10°6号和于10°6号和于10°68		nployee No. EDM QM-	ر مان در این د
· 陈·春秋秋学月第1127年(1922年1922年)第122年(1922年1924年1922年)第122年			

