

SEPARATORS INSPECTION REPORT

(Metric)

Page 1 of 4
Rev. 9-24-07

Facility: **MCMILLAN BOOSTER** Date: **December 1, 2007** Report #: **IR071201GENb**

Area Supervisor: **DOUG BOISVERT** W.O. / C.C.# **78650**

STATIC DATA

Alberta Reg. #:	426286	CRN:	K-8706.2	National Board #:	-
Equipment Number:	66065981	Notification #:	6057796	Vessel Class:	-
Manufacturer:	PLAINS OIL FIELD LTD.	Serial Number:	1868 V100A	Location (LSD):	12-24-076-04W5
Equip. Description:	INLET SEPARATOR	Year Built:	1996	Company I.D.#:	BC-028379
Equipment Tag #:	-	Registration #:	-	Skid / Building #:	BC-028381
Province Installed:	ALBERTA				

MAWP:	4964	Kpa	Diameter: O.D.	914	mm	Radiography:	RT 2	Nozzle Rating:	300	#
MAWT:	38	°C	Diameter: I.D.	-	mm	Stress Relief:	NO	Code Stamp:	UW	
MDMT:	-29	°C	Length:	s/s 3048	mm	Ext. Coating:	YES	Position:	VERTICAL	
Capacity:	1.68	m3	Overall Length:	-	mm	Insulated:	NO	Support:	SKIRT	

Internal Coating:	NO	Type:	-	Thickness:	-	mm	Manway:	NO	Size:	-	mm
Internal Cladding:	NO	Type:	-	Thickness:	-	mm	Test Pressure:	-		kpa	
Inspection Port:	YES	Size:	51 mm	51 mm	Location: #1	TOP SHELL	#2	BOTTOM SHELL			

	Material	Thickness	Corrosion Allowance
Shell	SA-516-70N	22.20 mm	1.60 mm
Top Head	SA-516-70N	21.46 mm	1.60 mm
Bottom Head	SA-516-70N	21.31 mm	1.60 mm
Inlet Nozzle	SA-106B	22.20 mm	1.60 mm
Outlet Nozzle	SA-333-6	21.90 mm	1.60 mm

PROCESS DATA

Product Description: **NATURAL GAS** Service: **SOUR** ? **20** PPM
Operating Pressure: - Kpa Operating Temperature: °C

PSV STATIC DATA

Tag Number:	-	Manufacturer:	FARRIS
Company I.D. #:	-	Model # / Type:	26GA12-120
Serial Number:	CE-43447-1-A10	CRN:	OG2369.5C
Inlet Size:	38 mm	Rating:	300 #
Outlet Size:	64 mm	Rating:	150 #
Location of PSV:	I/L SEPARATOR, O/L PIPE	Set Pressure:	4516
		Capacity:	6452

Fluid Service:
Maintenance Plan: sweet
Master Record: sweet
NB
Kpa
104
Jan. 18, 2008

INSPECTION DETAILS

Inspection Reason:	CODE INSPECTION	Inspections Required:	VE	UT
Inspection Test Plan:	-	Inspection Type Used:	VE	UT
Last Inspection Date:	-	Next Inspection Type:	VE	UT
Next Inspection Due:	2011	Outstanding Repairs:	NO	RBI Category: A B C D

VESSEL STATUS

Integrity Status: **SUITABLE FOR CONTINUED SERVICE** Inventory Status: **ISF**
This IR completes a thorough inspection; reschedule as indicated. **YES** Partial inspection; do not reschedule. -

INSPECTION SUMMARY

A thorough inspection to verify the equipments integrity was done by VE and UT.
There were no rejectable defects observed at this time; the vessel can be recommended fit for service.
There are no recommendations to be made at this time.
There were no repairs performed that were related to this inspection.
No NCR's were issued at this time.
No IDR's were issued at this time.
There was no internal inspection performed at this time.
There was no internal NDE performed during this inspection.

RECOMMENDATIONS

REPAIRS COMPLETED

Facility: **MCMILLAN BOOSTER** Date: **December 1, 2007** Report #: **IR071201GENb**

INSPECTION OBSERVATIONS

NON COMPLIANCES ISSUED

INSPECTION DEFICIENCIES ISSUED

EXTERNAL VISUAL INSPECTION

The nameplate is in tact and legible.
The instrumentation and its tubing are in good working condition with no detectable leaks.
The site glass drain is properly connected and in good condition.
The pressure retaining welds are in tact with no evidence of deterioration or visible cracking.
The vessel support is securely bolted to the skid floor.
The anchor bolts are in fair condition.
There is adequate access to the bottom head.
The vessel's ground connection is through the skid's ground rod.
The building to shell interface seal is in good condition.
The vessel is protected by a PSV that is nearly due for servicing.
The vessel is painted with mild corrosion, chips and scratches.
The piping and piping attachments are in fair condition with no detectable leaks.
The piping bolt up grading is B7 and 2H.
The attached piping is painted with mild corrosion, chips and scratches.
The outside piping is insulated with some minor cladding damage.

EXTERNAL NDE

NDE inspections were performed by Silvertip Inspection Services Ltd.
Some of the UT values recorded on the vessel are below nominal; however, they are still within corrosion allowance.
The UT values recorded on the drain nozzle are below nominal; however, they are still within corrosion allowance.
The UT readings taken on the piping are above nominal.
There were no UT done at the top head of the vessel due to snow and ice on the skid roof.
See the attached NDE reports for more detailed information.

INTERNAL VISUAL INSPECTION

INTERNAL NDE

PRESSURE TESTS

Test Completed: - Test Pressure: - Kpa Test Acceptable: - Test Report #: -

INSPECTOR CERTIFICATION AND ACCEPTANCE

I, the undersigned, certify that the equipment stated above has been inspected in accordance with the assigned task list and that the statements within this report are correct and represent my inspection findings.



External Inspector's Name:	Inspector's Certification:	Inspector's Signature:	Date:
GUY NORMAND C.E.T.	API 510, 653, ABSA PESL, NACE		DECEMBER 1, 2007
Internal Inspector's Name:	Inspector's Certification:	Inspector's Signature:	Date:
-	-	-	-

CHIEF OR LEAD INSPECTOR'S ACCEPTANCE AND SCHEDULE CONFIRMATION

Inspector's Name:	Inspector's Certification:	Inspector's Signature:	Date:
DALE MARTIN			01-10-08
Vessel Inspection Interval:	Leave "As Is":	Change to:	PSV Inspection Interval:
4	Years	Years	4
			Years

Office Use
Only: Report Entered to SEQA Database by:
Static Data Verified by:

Date: _____
Date: _____

 OWNED BY PLAINS OIL LTD. CALGARY, ALBERTA (403) 265-1670					
RT 2		SERIAL	100000000A		
		LEN	62706.23		
VESSEL TYPE INLET SEPARATOR					
M.D.M.T.		°F	AT		P.S.I.
	-29	°C		4960	K.P.A.
M.A.W.P.		P.S.I.	AT		°F
	4960	K.P.A.		38	°C
TEST PRESS.		P.S.I.	C.A.		IN.
	7440	K.P.A.		1.59	M.M.
SHELL THK.		IN.	MAT'L		
	22.2	M.M.		SA 516 70N	
HEAD THK.		IN.	MAT'L		
	21.31	M.M.		SA 516 70N	
YEAR BUILT	1996	CODE PARA.		UW 12 A	
					

Facility: **MCMILLAN BOOSTER**

Date: **December 1, 2007**

Report #: **IR071201GENb**



OVERALL VIEW INSIDE THE SKID



OVERALL VIEW FROM OUTSIDE

BELOW NOMINAL	BELOW MINIMUM
-	-
-	-
-	-
-	-
0.007	-
-	-
0.008	-
-	-

SEPARATORS INSPECTION REPORT

(Metric)

Page 1 of 3
Rev. 9-17-06

Facility: **MCMULLEN GAS FIELD** Date: **March 13, 2007** Report #: **IR070313SGCd**

Area Supervisor: **DOUG BOISVERT** W.O. / C.C.# **78578**

STATIC DATA

Alberta Reg. #:	426286	CRN:	K-8706.2	National Board #:	-
Equipment Number:	66065981	Notification #:	6057796	Vessel Class:	-
Manufacturer:	PLAINS OIL FIELD LTD.			Serial Number:	1868 V100A
Equip. Description:	INLET SEPARATOR			Location (LSD):	14-19-076-25W4
Equipment Tag #:	-	Year Built:	1996	Company I.D.#:	BC-028379
Province Installed:	ALBERTA	Registration #:	-	Skid / Building #:	-

MAWP:	4964	Kpa	Diameter: O.D.	914	mm	Radiography:	RT 2	Nozzle Rating:	300	#
MAWT:	38	°C	Diameter: I.D.	-	mm	Stress Relief:	NO	Code:	UW 12A	
MDMT:	-29	°C	Length:	3048	mm	Ext. Coating:	YES	Position:	VERTICAL	
Capacity:	1.68	m ³	Overall Length:	-	mm	Insulated:	NO	Support:	SKIRT	

Internal Coating:	NO	Type:	-	Thickness:	-	mm	Manway:	NO	Size:	-	mm
Internal Cladding:	NO	Type:	-	Thickness:	-	mm					
Inspection Port:	YES	Size: #1	51	#2	51	mm	Location: #1	TOP SHELL	#2	BOTTOM SHELL	

	Material	Thickness	Corrosion Allowance
Shell	SA-516-70N	22.20 mm	1.60 mm
Top Head	SA-516-70N	21.25 mm	1.60 mm
Bottom Head	SA-516-70N	21.25 mm	1.60 mm
Inlet Nozzle	SA-106B	22.20 mm	1.60 mm
Outlet Nozzle	SA-333-6	21.90 mm	1.60 mm

PROCESS DATA

Product Description:	NATURAL GAS	Service:	SWEET
Operating Pressure:	-	Kpa	Operating Temperature: - °C

PSV STATIC DATA

Tag Number:	-	Manufacturer:	-
Company I.D. #:	NOACCESS	Model # / Type:	-
Serial Number:	-	CRN:	-
Inlet Size:	-	mm	Rating: - #
Outlet Size:	-	mm	Rating: - #
Location of PSV:	-	Set Pressure:	- Kpa
		Capacity:	-
		Back Pressure:	0 Kpa
		Service Date:	-

INSPECTION DETAILS

Inspection Reason:	CODE INSPECTION	Inspections Required:	VE	UT
Inspection Test Plan:	-	Inspection Type Used:		
Last Inspection Date:	-	Next Inspection Type:	VE	UT
Next Inspection Due:	2012	Outstanding Repairs:	NO	RBI Category: A B C D

VESSEL STATUS

Integrity Status:	SEE THE INSPECTION REPORT	Inventory Status:	IDLE
This IR completes a thorough inspection; reschedule as indicated.		NO	Partial inspection; do not reschedule.

INSPECTION SUMMARY

This equipment is not at the location specified on the inspection list supplied.
 This equipment is currently idle and will probably not be returned to service in the near future.
 There were no rejectable defects observed at this time; the vessel can be recommended fit for service.
 There were no repairs performed that were related to this inspection.
 No IDR's were issued at this time.
 There was no external visual inspection performed at this time.
 There was no external NDE performed during this inspection.
 There was no internal inspection performed at this time.
 There was no internal NDE performed during this inspection.
 No inspection was carried out on the separator because of no winter road access.

RECOMMENDATIONS

Calgary Technical Services should be notified when the equipment is returned to service.
 The Husky database should be updated to change the status of this vessel to idle.

REPAIRS COMPLETED



SEPARATORS INSPECTION REPORT

Page 2 of 3
Rev. 9-17-06

(Metric)

Facility: **MCMULLEN GAS FIELD** Date: **March 13, 2007** Report #: **IR070313SGCd**

INSPECTION OBSERVATIONS

NON COMPLIANCES ISSUED

The equipment stated in this report has been moved to an unknown location.

See NCR070313SGCb

✓ No RCR Required. Equipment is IDLE. *RS-MTC* SEPT 18, 07.

INSPECTION DEFICIENCIES ISSUED

EXTERNAL VISUAL INSPECTION

EXTERNAL NDE

INTERNAL VISUAL INSPECTION

INTERNAL NDE

PRESSURE TESTS

Test Completed: - Test Pressure: - Kpa Test Acceptable: - Test Report #: -

INSPECTOR CERTIFICATION AND ACCEPTANCE

I, the undersigned, certify that the equipment stated above has been inspected in accordance with the assigned task list and that the statements within this report are correct and represent my inspection findings.

External Inspector's Name:	Inspector's Certification:	Inspector's Signature:	Date:
STACEY COWIE	API 510, UT2, MT2, PT2	<i>[Signature]</i>	MARCH 13, 2007
Internal Inspector's Name:	Inspector's Certification:	Inspector's Signature:	Date:
-	-	<i>[Signature]</i>	-

CHIEF OR LEAD INSPECTOR'S ACCEPTANCE AND SCHEDULE CONFIRMATION

Inspector's Name:	Inspector's Certification:	Inspector's Signature:	Date:
JEFF CRABBE	<i>RS/240</i>	<i>[Signature]</i>	<i>06/12/2007</i>

Vessel Inspection Interval:	Leave "As Is":	Change to:	PSV Inspection Interval:	Leave "As Is":	Change to:
5 Years	<i>IDLE</i>	Years	Years		Years

Office Use Report Entered to SEQA Database by: _____

Only: Static Data Verified by: _____

Date: _____

Date: _____

Husky Energy

PRESSURE VESSEL INSPECTION REPORT

CC 78576

QPSSEPAR2883
66065981

N# 6017337 / 12

PAGE: 1 of 2

FACILITY McMullen EAST		DATE 02/02/11		REPORT # IR020211RBP		
VESSEL STATIC DATA						
Prov. Insp. # 426286 ✓		CRN K8706.2 3		Equip Tag #		
Equipment Location (LSD) McMullen, Compressor Station		Serial # 1868 V100A				
Equipment Description Inlet Separator		14-19-76-25		Vessel Class		
Manufacturer Plains		wy		Year Built 1996		
MAWP 720		Psig @ 100		°F		
CODE: UM <input type="checkbox"/> U <input checked="" type="checkbox"/> U2 <input type="checkbox"/>		RT: 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/>		PWHT: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
Shell Mat'l SA-516 70N		Thickness 0.874 in		Corr Allowance in		
Head Mat'l SA-516 70N		Thickness 0.8386 in		Corr Allowance in		
Nozzle Mat'l		Thickness in		Corr Allowance in		
Internal Coating: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		Internal Clad: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		Capacity ft³		
Manway: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		Inspection Port: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		Skirt <input checked="" type="checkbox"/> Legs <input type="checkbox"/> Saddle <input type="checkbox"/>		
Nozzle Rating lb ANSI		Painted: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		Insulated: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
PROCESS DATA						
Product Description Natural Gas				Sweet <input checked="" type="checkbox"/> Sour <input type="checkbox"/>		
Operating Pressure psig				Operating Temperature °F		
PSV STATIC DATA						
PSV ID #	Location	Size	Set Pressure	Capacity SCFM / Lbs/Hr / GPM	Manufacturer	Serial
	Shell	1.5 2.5	655	6152 scfm	Farris	CE-43447-1-A10
INSPECTION HISTORY						
RBI Category A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>		Last Inspection Date		W.O. # 6017527		
Inspection Task List #		Inspection Type		Inspection Reason 1002		
Inspection Techniques Required		Next Inspection Type VE, UT		Due Date 2007		
VE	VI	RT	UT	MT	PT	TT
Outstanding Repairs						
INSPECTION SUMMARY						
External inspections and thickness readings did not reveal any apparent defects. No record of PSV servicing.						
RECOMMENDATIONS						
Service the PSV.						
REPAIRS COMPLETED						
Object Name	Cause	Damage	Repair Activity			
VESSEL STATUS						
Integrity Status <input checked="" type="checkbox"/> Suitable for Continued Service		<input type="checkbox"/> Immediate Repairs Required		<input type="checkbox"/> Replace		
		<input type="checkbox"/> Future Repairs Required				
Inventory Status <input checked="" type="checkbox"/> Inservice Fully Utilized		<input type="checkbox"/> Idle		<input type="checkbox"/> Surplus		
				<input type="checkbox"/> Scrap		

FACILITY McMullen	DATE 02/02/11	REPORT # IR020211RBP
Prov. Insp. # 426286	CRN H8706.2	Equip Tag #

INSPECTION OBSERVATIONS
NONCOMPLIANCES OR INSPECTION DEFICIENCIES ISSUED
EXTERNAL VISUAL INSPECTION

External visual inspections revealed the vessel nameplate to be secure. The external paint coating is in good condition. Piping connections are correctly bolted. PSV installation is acceptable.

EXTERNAL NDE EXAMINATION


TML ID	Min.	Avg.
-005	0.889	0.895
-010	0.891	0.895
-015	0.891	0.895

INTERNAL VISUAL INSPECTION
INTERNAL NDE EXAMINATION
PRESSURE TEST

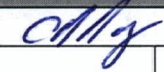
Test Completed ☐ Yes ☐ No Test Acceptable ☐ Yes ☐ No Test Report #

INSPECTOR CERTIFICATION

I, the undersigned certify that the above equipment has been inspected in accordance with the assigned task list and that statements within this report are correct and represent inspection findings

Inspectors Name Rick Peterson	Inspector's Signature 
Inspection Company Sharik Consulting Ltd.	Date 02/02/11

LEAD INSPECTOR'S ACCEPTANCE & SCHEDULE CONFIRMATION

Lead Inspector	Signature 	Date July 19/02
Vessel Inspection Interval 5	Leave "as-is" <input checked="" type="checkbox"/>	Change to
PSV Inspection Interval 5	Leave "as-is" <input checked="" type="checkbox"/>	Change to

Office Use Only Report Entered to SEQA Database by
Static Data Verified by

Date
Date

ALBERTA LABOUR
General Safety Services Division
Boilers Branch
6th Floor, 10808 - 99 Avenue
Edmonton, Alberta
T5K 0G2

MANUFACTURER'S DATA REPORT
FOR PRESSURE VESSEL

DÉCLARATION DE CONFORMITÉ DU CONSTRUCTEUR
D'APPAREILS SOUS PRESSION

Partial/Partiel ☐

Upon shipment of a pressure vessel, this form fully and correctly filled in must be mailed to the office of the Chief Inspector in the province of installation in accordance with the regulations under the Act, governing the construction and installation of pressure vessels.

Au moment de l'expédition d'un appareil sous pression, ce formulaire complété correctement, doit être envoyé au bureau de l'inspecteur en chef de la province d'installation tel que prévu dans les règlements de la loi sur les appareils sous pression.

Manufactured by Construit par	Name and address of Manufacturer/Nom et adresse du constructeur PLAINS OIL LTD. 803 - 24 AVENUE S.E. CALGARY, ALBERTA T2G 1P5
Manufactured for Construit pour	Name and address of Purchaser or Consignee/Nom et adresse du client ou de son représentant BDR ENGINEERING LTD. #300, 1601 WESTMOUNT ROAD N.W. CALGARY, ALBERTA T2N 3M2
Ultimate owner Utilisateur	Name and address/Nom et adresse RENAISSANCE ENERGY LTD. 3000, 425 - 1 STREET S.W. CALGARY, ALBERTA T2P 3L8
Location of installation Lieu d'installation	Address/Adresse STOCK

Pressure vessel/Appareil			
Type/Gentle INLET SEPARATOR	Serial No./N° de série 1868 V100 A	Year built/Année de fabrication 1996	Overall Length/Long. totale 3638
Provincial Registration No. - C.R.N. N° d'enregistrement provincial - N.E.C. K.8706.23	National Board N° National Board	Drawing No./N° de dessin 978 B501 REV 22	Diameter/Diamètre 914

The chemical and physical properties of all parts meet the requirements of material specifications of the A.S.M.E. Code.

Les propriétés chimiques et physiques de toutes les composantes respectent les exigences des spécifications de matériaux de code ASME.

The design, construction and workmanship conform to CSA B51.	ASME	Division	Addenda/ Supplement	Code case No. N° de cas
La conception, la construction et la façon sont conformes à ACNOR B51.	Sec VIII	1	1995	

Manufacturers' partial data reports properly identified and signed by authorized inspectors have been furnished for the following items of the report, and attached to this report:

Les rapports partiels du constructeur adéquatement identifiés et signés par les inspecteurs autorisés ont été produits pour les items suivants du rapport, et attachés à ce rapport:

Names of parts/Nom de la composante	Item No./N° d'item	Manufacturer's Name/Nom du constructeur	Identifying Stamp/Estampe d'identification

Shell/Virole													
Description	Material Matériau	Thickness Épaisseur	Corr. Allow. Surépais. de corr.	Diameter Diamètre	Overall Length Long. totale	Number of courses Nombre de sections	Girth Joints Joints de circonférence		Longitudinal Joints Joints longitudinaux			P.W.H.T. Traitement therm.	
							Type	R.T. Radiog.	Type	R.T. Radiog.	Efficiency Efficacité	Temp.	Time Durée
#1-	SA 51670N	22.2	1.59	914	2438	1	1	SEE NOTE SPOT	1	FULL	1.0	NR	

Heads/Tetes											
Description	Material Matériau	Min. Thicken. Épais. minm.	Corr. Allow. Surépais. corr.	Crown Radius Rayon couron.	Knuckle Radius Pout rayon	Ellipse Ratio Rap. ellipse	Conical Apex Angle Angle conique	Hemisp. Radius Ray. Hémison	Flat Diameter Diam. plat	Side to pressure Côte sous pression	
										Temp.	Time
TOP	SA51670N	21.46	1.59			2:1					CONCAVE
BOTTOM	"	21.31	"			"					"

Removable bolts used (describe other fastenings) Boulons amovibles utilisés (décrire tout autre attache)	Mat'l Spec./Spec. du mat.	Grade	Size/Dimension
---	---------------------------	-------	----------------

Pressure - Temperature/Pression - température			
Pressure Vessel Part Partie de l'appareil INLET SEPARATOR	Constructed for max. allowable working pressure Construit pour une pression maximale de marche permise 4960 KPA	At max. temp. A une temp. max 38 °C	Min. Temp. (when less than 29°C) Temp. min. (inférieure à 29°C) -29 °C
Test pressure (hydro-pneumatic or combination) Pression d'épreuve (hydro-pneumatique ou combinaison) 7440 KPA			

Tube Section/Faisceau tubulaire								
Tubes et Plaque tubulaire	Material/Matériau	Diameter/Diamètre	Nominal Thickness/Epaisseur nominale	Corr. Allow./Surspais. corrosion	Attachment/Mode d'attachement			
Tube material/Matériau des tubes	Diameter/Diamètre	Nominal Thickness (gauge)/Epaisseur nominale (calibre)	Number/Nbre	Type (Straight or U)/Type (Droit ou U)	Heating Surface/Surface de chauffe			
Jacket/Chemise								
Type of jacket/Genre de chemise	Jacket closure/Fermeture de chemise	Proof Test/Pression d'épreuve	Heating Surface/Surface de chauffe	Sketch/Schema (A) 426286				
Safety Valve Outlets/Soupapes de sûreté								
Number/Nombr	Dimension	Location/Endroit						
Nozzles and Openings/Tubulures et ouvertures								
Purpose/But	Number/Nombre	Dimension	Type	Material/Matériau	Nominal Thickness/Epaisseur nominale	Reinforcement material/Matériau de renfort	How attached/Genre d'attaches	Location/Endroit
			SEE ATTACHED					
Supports/Supports								
Skirt/Jupe	Lugs/Oreilles No./Nbre	Legs/Pieds No./Nbre	Other/Autres (Description)			Attached/Attaches (Where and How/Méthode et endroit)		
Yes: Oui <input checked="" type="checkbox"/> No: Non <input type="checkbox"/>	2 LIFT					WELDED TO HEADS		
Remarks/Observations (Cubical capacity/Volume)								
CAPACITY 1.68 m ³ R.T. PER UW 11 (A) (5) (B) IMPACT EXEMPT PER U.G. 20(F)								

Certificate of Compliance/Certificat de conformité	
We certify that the statements made in this data report are correct and that the said vessel has been constructed in accordance with the Provincial Registered design below and the requirements of standard CSA B51. Nous certifions que les données de la déclaration de conformité sont correctes et que l'appareil a été construit en accord avec l'enregistrement provincial ci-dessous et les exigences de la norme ACNOR B51.	
Provincial Registered Design/Enregistrement provincial	K 8706.23
Manufacturer/Constructeur	PLAINS OIL LTD.
Signature 	Date 96-12-05

Certificate of Shop Inspection/Certificat d'inspection en usine	
I, the undersigned, a duly authorized Boiler and Pressure Vessel Inspector Je, soussigné, inspecteur autorisé de chaudières et appareil sous pression employed by ALBERTA BOILERS SAFETY ASSOCIATION employé par ALBERTA of de ALBERTA have inspected the above vessel and state that to the best of my knowledge and belief, the manufacturer has constructed the vessel in accordance with the Provincial registration CRN and the requirements of standard CSA B51. K8706.23 ai inspecté l'appareil précité et autant que je sache, crois que le constructeur a construit l'appareil en accord avec l'enregistrement provincial NEC et les exigences de la norme ACNOR B51.	
Inspector's Name/Nom de l'inspecteur	
Signature	Date 96-12-05

Certificate of Compliance / Certificat de conformité Field Work	
We certify that the field installation of all parts of the vessel conforms with the requirements of Provincial Regulations. Nous certifions que l'installation au chantier de toutes les composantes de l'appareil est conforme aux règlements provinciaux.	
Installer's Name/Nom de l'installateur	
Signature	
Date	

Certificate of / Certificat d'inspection Field Inspection / Installation au chantier	
I, the undersigned, a duly authorized Boiler and Pressure Vessel Inspector Je, soussigné, inspecteur autorisé de chaudières et appareil sous pression employed by employé par have inspected the items not covered by the Shop Inspection Certificate and the installation of the items and state that to the best of my knowledge and belief the construction and assembly of the items are in accordance with the Provincial Regulations. ai inspecté les composantes non couvertes par le certificat d'inspection en usine et l'installation de l'appareil et, autant que je sache, la construction et l'assemblage de l'appareil sont en accord avec les règlements provinciaux.	
Inspector's Name/Nom de l'inspecteur	
Signature	Date

נמצאו מכתבים מן המאה ה-17

(A) 4.26286

- Data Report Item

Other

Inspector's Signature Robert H. [Signature]

ULTRA SCAN

INSPECTION SERVICES Ltd.

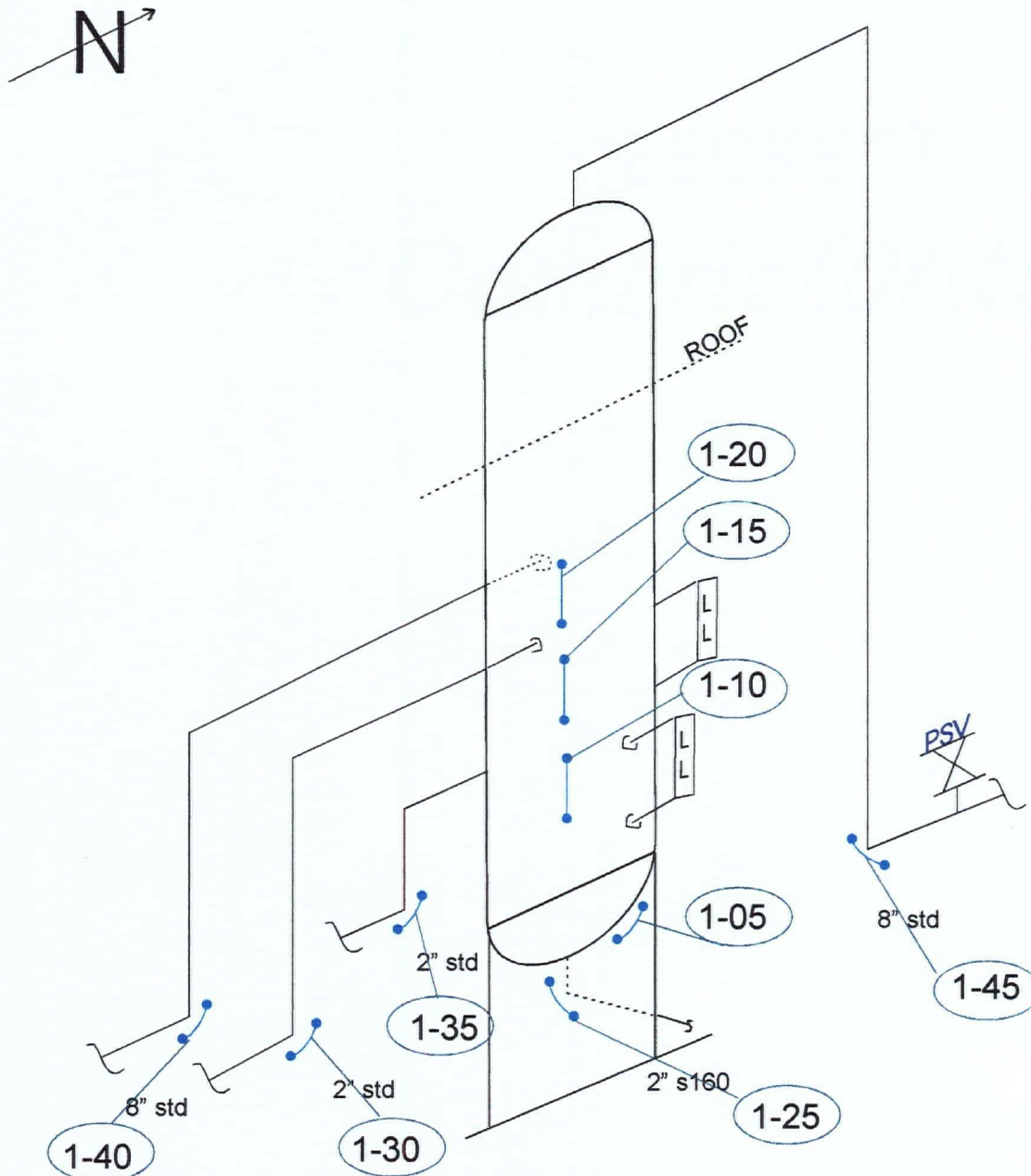
#111, 8930 - 99 Avenue, Ft. Saskatchewan, Alberta T8L 3L1 Phone: (780) 998-4524 Fax: (780) 998-0686

Ultrasonic Corrosion Survey

DWG# 1

Report# 99-111

6 6 0 6 5 9 8 1



Owner:	Renaissance Energy	Location:	14-19-76-25W4
Equipment:	Inlet Header	Provincial#:	A 426286

ULTRA SCAN

INSPECTION SERVICES Ltd.

#111, 8930 - 99 Avenue, Ft. Saskatchewan, Alberta T8L 3L1 Phone: (780) 998-4524 Fax: (780) 998-0686

Client: Renaissance Energy Ltd.
Facility: McMullen East Comp. Strn.

Location: 14-19-76-25W4
Report #: 99-111

Equipment: Inlet Separator
Provincial #: A 426286

Drawing#: 1

Vessel					Survey Date: Aug 1/99				
Point #	Type	Nominal	Mill Tolerance	Flag Thick. [mm]	Reading Type	Readings [mm]	Readings [mm]	Readings [mm]	Corr. Rate [mm/yr]
1-05	bt. head	21.310	0.250	21.1	minimum average	22.1 22.8			
1-10	shell	22.200	0.250	22.0	minimum average	22.5 22.8			
1-15	shell	22.200	0.250	22.0	minimum average	22.6 22.9			
1-20	shell	22.200	0.250	22.0	minimum average	22.8 23.0			
				0.0	minimum average				

Piping					Survey Date: Aug 1/99 0 0				
Point #	Type	Nominal	Mill Tolerance	Flag Thick. [mm]	Reading Type	Readings [mm]	Readings [mm]	Readings [mm]	Corr. Rate [mm/yr]
1-25	2"s160	8.7	1.1	7.6	minimum average	8.7 9.3			
1-30	2"std	3.9	0.5	3.4	minimum average	3.4 3.9			
1-35	2"std	3.9	0.5	3.4	minimum average	3.4 3.8			
1-40	8"std	8.2	1.0	7.2	minimum average	8.2 8.7			
1-45	8"std	8.2	1.0	7.2	minimum average	8.8 9.4			
			0.0	0.0	minimum average				

Ultrascan Inspection Services Ltd.	Drawing #	1
Report number:	99-111	Date: Aug 1/99

EQUIPMENT INFORMATION

Owner:	Renaissance Energy Ltd.
Location:	McMullen East Comp St LSD: 14-19-76-25W4

Description:	Separator	In Service:	Y
Manway:		Sweet/Sour:	sour
Provincial #:	A426286	CRN:	K8706.23
Tag number:		Serial #:	1868V100A
Manufacturer:	Plains	Year Built:	96
MAWP:	4960KPA@38C	MDMT:	-29C@4960KPA
Test Pressure:		Coated:	
Shell Material:	SA51670N	Thickness:	22.2mm
Head Material:	SA51670N	Thickness:	21.31mm
Tube Material:		Thickness:	
Mill Tolerance: Heads	0.25mm	Diameter:	
Mill Tolerance: Shell	0.25mm	Height:	
Length:		RT code:	2
Volume:		Drw. ref:	
Heat treatment:		U stamp:	N
Comments:			

Prev. Inspection Date:		Next Insp.:	
Type of inspection:		Company:	
Previous reports:			

SAFETY VALVE INFORMATION

Vessel/line ID:	A426286	MAWP:	4960KPA
Serial number:	CE-43447-1-A10	Set pressure:	4514KPA
Manufacturer:	Consolidated	Model #:	
PSV ident.:		Service:	
Inlet size:	1.5	Capacity:	
Date of previous service:			
Previous service company:			
Date placed in service:			
Vessels protected by PSV - 1)	A426286	Primary	
- 2)		Primary	
- 3)		Primary	
Comments:	no service tag		