Ansell Field

FACILITY

May 5, 2008

DATE

Nº 6079419

PRESSURE VESSEL INSPECTION REPORT

0# 6082659 REPORT # IR080505JNP

PAGE: 1 of 3

			VECC	EL STATIC	DATA				
Prov. Insp. #	A 0558725	CF		217.2	DATA	Equip Tag	g #		
Equipment Lo		-33-051-1				Serial #		0754	
Equipment De			hase Se	narator		Vessel Cla	- CO.	7704	
Manufacturer		-		parator		Year Built			
		ag / psig		100°F	°C / °F	MDMT	-20°F		°C / °F
CODE: UM	•	0 . 0	Γ: 1 🗌	2 🛛 3 🗍	4 🗆	PWHT:	YES [□ NO 🗵	
								orizontal	
	6" Lengt) 2285m			Vertical	_		mm/in
Shell Mar Head Mar			ickness	21.44		Corr Allowa		625" 625"	mm/in
Nozzle Mar			ickness	20.0	mm/in	Corr Allowa		023	mm/in
Internal Coati			ernal Cla	d: YES	□ NO 🌣	Capacity		/A	
Manway :				Port: YES		Skirt 🖂	Legs [275 CH	m ³
			inted:	YES		Insulated			NO 🛛
Nozzle Rating	g 600 ID A	NSI Pa				insulated		YES 🗌	NO 🖂
Product Desc	cription Sweet (Gas	PF	ROCESS DA	Sweet	Sour 🗆	PPM:		
Operating Pre		psi	KPag / I	osia One	erating Temper		50°F	°C	/ °F
				V STATIC D					
Tag /	Location	Si	ize	Set	Capacity SCFM / Lbs/Hr / GPM	Manufa	acturer	Model	Service
Serial No.		Inlet	Outlet	Pressure				/ Type	Date
	Vessel	1"	1"	1440 psi	5180 SCFM	Taylor		82E8 351311	05/06
513									
			INSPI	ECTION HIS	TORY				
RBI Category	A B C D	La	st Inspect	tion Date		W.O. #			
Inspection Tas	k List#	Ins	spection Ty	ре		Inspection	Reason I	ntegrity Ins	pection 3
	chniques Required		xt Inspecti	on Type		Due Date			
VE VI RT	UT MT PT PT	Οι	utstanding				Language and the second		
			INSPE	CTION SUN	MARY				
No concerns	inspection was per were found and th	e vessel	is consi	dered accep	otable for con	tinued ser	vice.		
The vessel w	vas noted on the Al	SSA IIST	at 07-33-0	050-19W5M.					
			REC	OMMENDAT	TIONS				
-Re-paint the	e vessel and under	the skirt	ing.						
			REPA	IRS COMPI					
Object Name	Ca	ause		Dan	nage	R	epair Act	ivity	
Orientati	2 nor RTI ief No not yes ion - Vertical not - 03.33 - 051-15	noticed tws	hal /						
				SSEL STAT					
Integrity Stat				d Service		te Repairs epairs Rec	uired		Replace
Inventory Sta	atus 🛛 In ser	vice Fully	Utilized		☐ Idle	Sur	plus		Scrap
This IR com	pletes a thorough ins	pection.	Reschedu	ıle as indicat	ed 🛛	Partial IR o	nly. Do r	ot resche	dule

SEIM

PRESSUR	E VESSEL INS	PECTIC	N REP	ORT			PAGE: 2 of 3
FACILITY A	nsell Field	DATE	May 5	5, 2008	R	EPORT#	IR080505JNP
		INSPE	CTION OF	SERVATIO	ONS		
	NONCOMPL	JANCES C	OR INSPEC	CTION DEF	ICIENCIES	ISSUED	
-None at time o	f inspection.						
		EXTERN	NAL VISUA	AL INSPEC	TION		
no corrosion por The nameplate. The vessel is por The gauges are The vessel app	ainted with numerouresent in areas were piping, bolting and rotected with a PSV celear and in good celears to be secure and dition of this vessel	paint had a external at that is atta ondition. d level.	flaked off ttachment	s are in go	od conditi		paint is fair. There was
		EXTER	RNAL NDE	EXAMINAT	ION		
inspection. Fo	r more details see fo	rmal UT re	eport by H		tion - Proje		e noted at the time of
-There was no	internal Visual at tim	e of inspe	ction.				
		INTER	NAL NDE	EXAMINAT	ION		
-There was no	internal NDE at time						
Took Consider 1	□ Vaa □ Na		PRESSUE			Too! D	4
Test Completed	Yes No	Test Acce	•	Yes N		Test Rep	Ort #
I, the undersigne	ed certify that the above that statements with	ve equipme	ent has bee		d in accorda		the assigned task list and
Inspectors Name		,		Inspector's		97	Comon
Inspection Com	pany Hunt Inspection	on Ltd.		Date		May 05	5, 2008
	LEAD INSPEC	TOR'S ACC	CEPTANC	E& SCHET	ULE CON	FIRMATIC	N
Lead Inspector	Bob Marchak	S	Signature	EX MX			Date 10 - 10 - 2008
Vessel Inspection	on Interval 5 Years	L	_eave "as-i	s" 🗆	CI	hange to	J
PSV Inspection	Interval 5 Years	L	_eave "as-i	s" 🗆	CI	hange to	
Office Use Only	Report Entered to SEQ	A Database b	DV .				Date

Date

Static Data Verified by

FACILITY Ansell Field DATE May 5, 2008 REPORT # IR080505JNP

PAGE: 3 of 3

Data Plate Photo

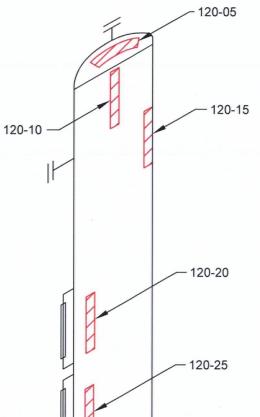


ITEM: **VERTICAL SEPARATOR**

120-30

A 0558725





(120-35)



STETTLER, AB LACOMBE, AB BROOKS, AB

CLIENT:

(403) 742-4868 (403) 782-7855 (403) 501-8029 **GRANDE PRAIRIE, AB (866) 422-9732**

TECHNICIAN:

JOEL NORMAN SNT LEVEL III CGSB 48.9712 LEVEL III # 6951

05/05/08 DATE:

120 DWG#

HUSKY ENERGY

LSD: 03-33-051-19-W5M

INSPECTOR: **BOB MARCHAK LOCATION:** ANSELL FIELD

DISTRICT UNIT: FH-FW BLDG/SKID:

PROCESS: SWEET

CODE: ASME SEC VIII DIV 1

SPECIFICATION: AS PER ASME SE 797

TECHNIQUE: UT-1-1, REV. 1

METHOD: UT CONTINUOUS / A SCAN

SURFACE COND: PAINTED

SURFACE TEMP: **AMBIENT**

VESSEL INFORMATION

VESSEL #:	A 0558725	
CRN #:	P7217.2	
SERIAL #:	20754	
MANUFACTURER:	RJV	
DATE BUILT:	2006	
CLIENT ID / TAG:	-	
M.A.W.P. :	1480 PSI	
M.A.W.T. :	100 °F	
JOINT EFFICIENCY/RT:	RT 2	
STRESS RELIEVED:	NO	
INSULATED:	NO	
MANWAY:	NO	

VESSEL SPECIFICATIONS

	OD	NOMINAL	MATERIAL	CA
VESSEL HEAD	16"	.812"	SA-516-70	.0625"
VESSEL SHELL	16"	.844"	SA-106-B	.0625"
BOOT HEAD	-	-		
BOOT SHELL	-	-		-

COMMENTS:

PROJECT:



Survey Name: HUSKY ENERGY

03-33-051-19W5 Dwg: 120

Vessel Number: A0558725

Manufacturer: RJV

Survey Date: Inspector:

5/05/08

District Unit:

LSD:

FH-FW

Vessel Name:

VERTICAL SEPARATOR

Serial Number: 20754

Process:

BOB MARCHAK

ANSELL FIELD

Year Built: 2006 Shell MAWP PSI: 1480

Project #:

SWEET

Location:

Tube MAWP PSI: 0

MAWT F: 100

C2780

Skid:

Tag Number:

MAWT F: 0

0.0625

Vessel CA: P7217.2 CRN:

						Read	ings										Recommended
Band	Description			1	2	3	4	5	6	Year	Avg Inches	Min Inches	Nominal	CA	TMIN	Recommended Next Inspection	Retirement Date
120-05	Тор	Head	Baseline	0.858	0.863	0.862	0.861	0.859	0.852	2008	0.859	0.852	0.8120	0.0625	0.5359	2009	2028
Shape	Ellipsoidal	Shell Side	Previous										Comme	ents>			
OD	16		Current	0.858	0.863	0.862	0.861	0.859	0.852	2008	0.859	0.852					
Spec.	VIII Div 1								ST Loss	s MPY			OK				
Material	SA 516 - 70								LT Los	s MPY	0.000						
120-10	Upper	Shell	Baseline	0.836	0.853	0.861	0.867	0.872	0.879	2008	0.861	0.836	0.8440	0.0625	0.6533	2009	2028
Shape	Cylindrical	Shell Side	Previous										Comme	ents>			
OD	16		Current	0.836	0.853	0.861	0.867	0.872	0.879	2008	0.861	0.836					
Spec.	VIII Div 1								ST Loss	s MPY			OK				
Material	SA 106 - B								LT Los	s MPY	0.000						
120-15	Upper	Shell	Baseline	0.785	0.784	0.783	0.789	0.789	0.800	2008	0.788	0.783	0.8440	0.0625	0.6533	2009	2028
Shape	Cylindrical	Shell Side	Previous										Comme	ents>			
OD	16		Current	0.785	0.784	0.783	0.789	0.789	0.800	2008	0.788	0.783					
Spec.	VIII Div 1								ST Loss	MPY			OK				
Material	SA 106 - B								LT Los	s MPY	0.000						
120-20	Mid	Shell	Baseline	0.873	0.857	0.837	0.833	0.832	0.811	2008	0.841	0.811	0.8440	0.0625	0.6533	2009	2028
Shape	Cylindrical	Shell Side	Previous										Comme	nts>			
OD	16		Current	0.873	0.857	0.837	0.833	0.832	0.811	2008	0.841	0.811					
Spec.	VIII Div 1								ST Loss	MPY			OK				
Material	SA 106 - B								LT Los	s MPY	0.000						

Dwg: 120 Page 118 of 232 Survey Date: 5/05/08 Project #: C2780



Survey Name: HUSKY ENERGY

Survey Date:

5/05/08

LSD:

03-33-051-19W5 Dwg: 120

Vessel Number: A0558725

Manufacturer: RJV

Inspector:

BOB MARCHAK

District Unit:

FH-FW

Vessel Name:

VERTICAL SEPARATOR

Serial Number: 20754

Process:

SWEET

Location:

ANSELL FIELD

Year Built:

2006

Shell MAWP PSI: 1480

MAWT F: 100

Project #:

Skid:

Tag Number:

Tube MAWP PSI: 0

MAWT F: 0

C2780

Survey Date: 5/05/08

CRN:

P7217.2

Vessel CA:

0.0625

						Read	ings										Recommende
Band	Description			1	2	3	4	5	6	Year	Avg Inches	Min Inches	Nominal	CA	TMIN	Recommended Next Inspection	Retirement Date
120-25	Lower	Shell	Baseline	0.819	0.811	0.799	0.793	0.792	0.803	2008	0.803	0.792	0.8440	0.0625	0.6533	2009	2028
Shape	Cylindrical	Shell Side	Previous										Comme	nts>			
OD	16		Current	0.819	0.811	0.799	0.793	0.792	0.803	2008	0.803	0.792					
Spec.	VIII Div 1								ST Loss	s MPY			OK				
Material	SA 106 - B								LT Los	s MPY	0.000						
120-30	Bottom	Head	Baseline	0.862	0.854	0.852	0.854	0.853	0.858	2008	0.856	0.852	0.8120	0.0625	0.5359	2009	2028
Shape	Ellipsoidal	Shell Side	Previous										Comme	nts>			
OD	16		Current	0.862	0.854	0.852	0.854	0.853	0.858	2008	0.856	0.852					
Spec.	VIII Div 1								ST Loss	s MPY			OK				
Material	SA 516 - 70								LT Los	s MPY	0.000						
120-35	Drain	Nozzle	Baseline	0.326	0.325	0.322	0.316	0.314	0.309	2008	0.319	0.309	0.3430	0.0625	0.0771	2009	2028
Shape	90° Elbow	Shell Side	Previous										Comme	nts>			
OD	2.375		Current	0.326	0.325	0.322	0.316	0.314	0.309	2008	0.319	0.309					
Spec.	VIII Div 1								ST Loss	MPY			OK				
Material	SA 234 - WPB								LT Los	s MPY	0.000						
120-40		Piping	Baseline	0.208	0.210	0.212	0.212	0.210	0.210	2008	0.210	0.208	0.2160	0.0270	0.1249	2009	2028
Shape	90° Elbow	Shell Side	Previous										Comme	nts>			
OD	3.5		Current	0.208	0.210	0.212	0.212	0.210	0.210	2008	0.210	0.208					
Spec.	B31.3								ST Loss	MPY			OK				
Material	A 234 - WPB								LT Loss	s MPY	0.000						

Dwg: 120 Page 119 of 232 Project #: C2780



Survey Name: HUSKY ENERGY

Survey Date:

5/05/08

LSD:

03-33-051-19W5 Dwg: 120

Vessel Number: A0558725

Manufacturer: RJV

Inspector:

BOB MARCHAK

District Unit:

FH-FW

Vessel Name:

VERTICAL SEPARATOR Serial Number: 20754

Process:

SWEET

Location:

2006

Shell MAWP PSI: 1480

MAWT F: 100

C2780 Project #:

Skid:

ANSELL FIELD

Tag Number:

Tube MAWP PSI: 0

MAWT F: 0

CRN:

Year Built:

P7217.2

Vessel CA:

0.0625

						Read	ings										Recommended
Band	Description			1	2	3	4	5	6	Year	Avg Inches	Min Inches	Nominal	CA	TMIN	Recommended Next Inspection	Retirement Date
120-45		Piping	Baseline	0.212	0.211	0.211	0.213	0.213	0.213	2008	0.212	0.211	0.2160	0.0270	0.1249	2009	2028
Shape	90° Elbow	Shell Side	Previous										Comme	nts>			
DD	3.5		Current	0.212	0.211	0.211	0.213	0.213	0.213	2008	0.212	0.211					
Spec.	B31.3								ST Loss	MPY			OK				
Material	A 234 - WPB								LT Loss	s MPY	0.000						
120-50		Piping	Baseline	0.290	0.292	0.292	0.293	0.290	0.288	2008	0.291	0.288	0.3000	0.0375	0.1249	2009	2028
Shape	90° Elbow	Shell Side	Previous										Comme	nts>			
OD	3.5		Current	0.290	0.292	0.292	0.293	0.290	0.288	2008	0.291	0.288					
Spec.	B31.3								ST Loss	MPY			OK				
Material	A 234 - WPB								LT Loss	MPY	0.000						

Dwg: 120 Page 120 of 232 Project #: C2780 Survey Date: 5/05/08

VERTICAL SEPARATOR - PIPING A 0558725 ITEM: 120-45 -120-40 -- 120-50



STETTLER, AB LACOMBE. AB BROOKS, AB

(403) 742-4868 (403) 782-7855 (403) 501-8029 **GRANDE PRAIRIE, AB (866) 422-9732**

TECHNICIAN:

JOEL NORMAN SNT LEVEL III CGSB 48.9712 LEVEL III # 6951

05/05/08 DATE:

DWG#

120A

CLIENT:

HUSKY ENERGY

LSD:

03-33-051-19-W5M

INSPECTOR:

BOB MARCHAK ANSELL FIELD

LOCATION: DISTRICT UNIT:

FH-FW

BLDG/SKID: PROCESS:

SWEET

CODE:

ASME B31.3 AS PER ASME SE 797

SPECIFICATION: TECHNIQUE:

UT-1-1, REV. 1

METHOD:

UT CONTINUOUS / A SCAN

SURFACE COND:

PAINTED

SURFACE TEMP:

AMBIENT

PIPING INFORMATION

PIPING ID	SIZE	SCH	NOM	M.A.W.P. (VESSEL)	M.A.W.T. (VESSEL)	FLANGE RATING
120-40	3.50"	40	.216"	1480 PSI	100 °F	600
120-45	"	"	**	"	"	"
120-50	3.50"	XS	.300"	"	"	"
					39	

COMMENTS:

PROJECT:

C2780

Husky Energy F0 604815 7

Nº 6079419

PRESSURE VESSEL INSPECTION REPORT

PAGE: 1 of 3 **Ansell Field FACILITY** DATE May 5, 2008 REPORT # IR080505JNO VESSEL STATIC DATA Prov. Insp. # CRN F6388.2 Equip Tag # Equipment Location (LSD) 03-33-051-19 W5M Serial # 10864 **Equipment Description** Fuel Gas Scrubber Vessel Class Year Built 2006 Manufacturer **RJV Gasfield Services** @ 100°F °C / °F -20°F °C / °F MAWP **MDMT** 150 psi KPag / psig RT: 1 2 3 4 7 PWHT: CODE: UM U2 🗆 YES \(\text{NO} \(\text{NO} \) U Diameter (S/S) 760mm OAL Vertical X Horizontal 8" Length mm/in Shell Mat'l **SA106-B** Thickness 8.1mm mm Corr Allowance 3.17mm mm/in Corr Allowance Head Mat'l SA516-70 Thickness 7.16mm mm 3.17mm mm/in mm/in Corr Allowance mm/in Nozzle Mat'l Thickness Internal Coating: N/A YES \ NO \ Internal Clad: YES ☐ NO ☒ Capacity m3 Manway: YES NO 🖂 Inspection Port: YES \Boxed NO \Boxed Skirt Legs Saddle YES NO Nozzle Rating Ib ANSI Painted: Insulated : YES \square NO \boxtimes PROCESS DATA **Product Description Sweet Gas** Sweet Sour PPM: Operating Pressure °C / °F 100 psi KPag / psig Operating Temperature **PSV STATIC DATA** Capacity Tag / Location Size Set Manufacturer Model Service SCFM / Lbs/Hr / GPM Serial No. Inlet Outlet Pressure / Type Date 31138-69 1" 1" 82E4 150 psi Taylor 10/06 Vessel **502 SCFM** 351311 INSPECTION HISTORY A B C D RBI Category Last Inspection Date W.O. # Inspection Task List # Inspection Type Inspection Reason Integrity Inspection 3 Next Inspection Type Due Date Inspection Techniques Required Outstanding Repairs INSPECTION SUMMARY An external inspection was performed to verify the vessels integrity. No concerns were found and the vessel is considered acceptable for continued service. RECOMMENDATIONS -None A-0958725 REPAIRS COMPLETED Object Name Repair Activity Cause Damage Include w/report for 66117460. FGS best 1 require A#. It is exempt asportable Regulation 56/2006 due to volume < 42.5L. BM **VESSEL STATUS Integrity Status** Suitable for Continued Service
 ■ Immediate Repairs Required Replace Future Repairs Required Idle Surplus ☐ Scrap **Inventory Status** Partial IR only. Do not reschedule This IR completes a thorough inspection. Reschedule as indicated

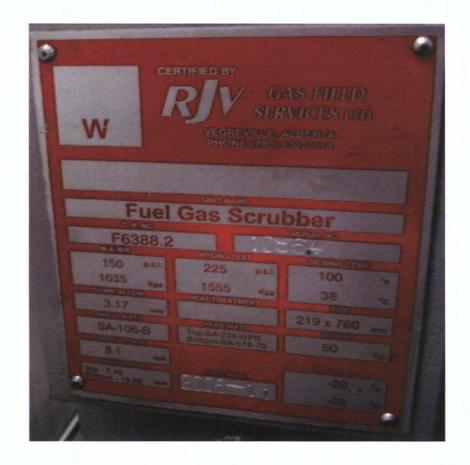
PAGE: 2 of 3

FACILITY	Ansell Field	DATE	May 5	5, 2008	REF	PORT#	IR080505JNO
		INSDE	CTION OF	SEDVAT	IONS		
	NONCON				FICIENCIES IS	SSUED	
-None at tin	ne of inspection.		<u> </u>				
		EXTERN	IAL VISUA	AL INSPE	CTION		
The namep The vessel The gauges The vessel	is painted and is in go late, piping and extern is protected with a PS are clear and in good appears to be secure condition of this vess	nal attachmen SV that is attac d condition. and level.	its are in	good con	dition.	g found.	
		EXTERI	NAL NDE	EXAMINA	ATION		
	I ultrasonic corrosion For more details see						noted at the time of
		INTERN	AL VISUA	L INSPE	CTION		
-There was	no internal Visual at	time of inspec	etion.				
		INTERN	NAL NDE	EXAMINA	TION		
-There was	no internal NDE at tir						
Toot Comple	eted Yes No		PRESSUE		No T	est Repo	rt #
Test Comple	eted Yes No	Test Accep	CTOR CE			est Kepo	ι π
I, the unders	signed certify that the a that statements	bove equipme	nt has bee	en inspect	ed in accordan		e assigned task list and ings
Inspectors N	lame Joel Norman			Inspector	's Signature	gn	blusa
Inspection C	Company Hunt Inspe	ection Ltd.		Date		May 05,	2008
	LEAD INSP	ECTOR'S ACC	CEPTANC	E & SCHE	PULE CONFI	RMATION	1
Lead Inspec	tor Bob Marchak	S	ignature	W L	X		Date 10 . 10 . 2008
Vessel Insp	ection Interval 5 Yea	rs L	eave "as-i	s" 🗆	Cha	nge to	V .
PSV Inspec	tion Interval 5 Year	rs L	eave "as-i	s" 🗆	Cha	nge to	
Office Use (Only Report Entered to S Static Data Verifi		у				Date Date

FACILITY Ansell Field DATE May 5, 2008 REPORT # IR080505JNO

PAGE: 3 of 3

Data Plate Photo

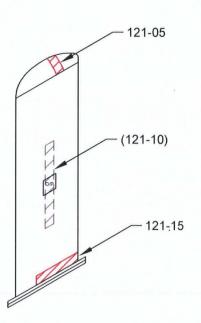


ITEM:

FUEL GAS SCRUBBER







STETTLER, AB LACOMBE, AB BROOKS, AB

CLIENT:

(403) 742-4868 (403) 782-7855 (403) 501-8029 GRANDE PRAIRIE, AB (866) 422-9732

TECHNICIAN:

JOEL NORMAN SNT LEVEL III CGSB 48.9712 LEVEL III # 6951

05/05/08 DATE:

121 DWG#

AMBIENT

HUSKY ENERGY

LSD: 03-33-051-19-W5M

INSPECTOR: **BOB MARCHAK** LOCATION: ANSELL FIELD

DISTRICT UNIT: FH-FW

BLDG/SKID:

MANWAY:

SWEET PROCESS:

CODE: ASME SEC VIII DIV 1 SPECIFICATION: AS PER ASME SE 797

TECHNIQUE: UT-1-1, REV. 1

METHOD: UT CONTINUOUS / A SCAN

SURFACE COND: PAINTED SURFACE TEMP:

VESSEL INFORMATION

VESSEL #: CRN #: F6388.2 SERIAL #: 10864 **MANUFACTURER:** RJV **DATE BUILT:** 2006 CLIENT ID / TAG: M.A.W.P. : 150 PSI M.A.W.T. : 100 °F JOINT EFFICIENCY/RT: N/A STRESS RELIEVED: NO NO **INSULATED:**

VESSEL SPECIFICATIONS

NO

		+		
	OD	NOMINAL	MATERIAL	CA
VESSEL HEAD	8.625"	.281"	SA-234-WPB	.125"
VESSEL SHELL	8.625"	.322"	SA-106-B	.125"
BOOT HEAD	-	-	-	-
BOOT SHELL	-	-	-	-

COMMENTS:

PROJECT:



Survey Name: HUSKY ENERGY

Survey Date:

5/05/08

LSD:

03-33-051-19W5 Dwg: 121

Vessel Number: -

Manufacturer: RJV

Inspector:

BOB MARCHAK

District Unit:

FH-FW

Vessel Name: **FUEL GAS SCRUBBER** Serial Number: 10864

Process:

SWEET

Location:

ANSELL FIELD

Year Built:

Shell MAWP PSI: 150

MAWT F: 100

C2780 Project #:

Skid:

Tag Number:

Tube MAWP PSI: 0

MAWT F: 0

CRN: F6388.2

2006

Vessel CA:

0.1250

						Read	ings									Docommondod	Recommende Retirement
Band	Description			1	2	3	4	5	6	Year	Avg Inches	Min Inches	Nominal	CA	TMIN	Recommended Next Inspection	Date
121-05	Тор	Head	Baseline	0.296	0.304	0.303	0.298	0.302	0.300	2008	0.301	0.296	0.2810	0.1250	0.0354	2009	2028
Shape	Ellipsoidal	Shell Side	Previous										Comme	nts>			
OD	8.625		Current	0.296	0.304	0.303	0.298	0.302	0.300	2008	0.301	0.296					
Spec.	VIII Div 1								ST Loss	MPY			OK				
Material	SA 234 - WPB								LT Loss	MPY	0.000						
121-10	Mid	Shell	Baseline	0.326	0.323	0.328	0.326	0.325	0.327	2008	0.326	0.323	0.3220	0.1250	0.0352	2009	2028
Shape	Cylindrical	Shell Side	Previous										Comme	nts>			
OD	8.625		Current	0.326	0.323	0.328	0.326	0.325	0.327	2008	0.326	0.323					
Spec.	VIII Div 1								ST Loss	MPY			OK				
Material	SA 106 - B								LT Loss	MPY	0.000						
121-15	Lower	Shell	Baseline	0.323	0.327	0.327	0.335	0.330	0.327	2008	0.328	0.323	0.3220	0.1250	0.0352	2009	2028
Shape	Cylindrical	Shell Side	Previous										Comme	nts>			
OD	8.625		Current	0.323	0.327	0.327	0.335	0.330	0.327	2008	0.328	0.323					
Spec.	VIII Div 1								ST Loss	MPY			OK				
Material	SA 106 - B								LT Loss	MPY	0.000						

Dwg: 121 Page 121 of 232

Project #: C2780

Survey Date: 5/05/08

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Quality Assurance Help Exit Login Home SEPARATOR INSPECTION REPORT Back Cancel **Inspection Report** 6064674 Notification Number Work Order 6067294 QPSEPAR6433 Notification Desc SEPARATOR, 16" 600# Maintenance Plan Tasklist Operation (5Y Inspection Interval) 5Y Code Inspection Separator - Sweet Se **Equipment Static Data** 66117460 **Equipment Description** SEPARATOR, 16" 600# Equipment Number **SEPARATOR** Tag Number Serial Number 10754 Year Built 2006 Manufacturer R.J.V. GASFIELD SERVICES Location FH-FW-013-00001-0153 Location Description 100/07-33-050-19W5/00 Provincial Number 0558725 PM Activity Code Status Codes NOPR ORAS **Equipment Status** In Service - Fully Utilized CRN Number P7217.23 Code Stamp Fluid Description NATURAL GAS Fluid Service SWEET Internal Coating Exists Length 7.50 FOOT MDMT - Min. Design Metal Temp Shell MAWP 1440 PSI Stress Relief PHT Vessel Diameter 16.0 " Volume X-Ray RT1 **PRD Static Data** Size Set Serial Model Next Service Manufacturer Equip ID Location Capacity Inlet Outlet Pressure Number Number Date **Process Data** Product Description SWEET GAS Fluid Service Sweet Sour PPM Operating Pressure 2400 KPA Operating Temperature -10 °C **Pressure Test** Yes No Test Completed Test Acceptable Yes No Test Report # **PSV** Data Size Service Set Model / Type Tag/Serial No. Capacity Location Date Pressure Inlet Outlet 28451-513 SEPARATOR 1440 PSI 5180 SCFM TAYLOR 05/2006 **Inspection History** Inspected By MARCHAK, BOB Inspection Date 2007.11.28 **Inspection Summary** An external inspection consisting of a visual and UT was carried out to determine the integrity of the 3 Phase Separator. PSV last serviced 05/2006. No concerns were noted. The Separator is considered acceptable for continued service. Recommendations **Repairs Completed Equipment Status** Integrity Status Suitable for Continued Service Immediate Repairs Required Replace Future Repairs Required Inventory Status In Service - Fully Utilized Idle Surplus Scrap **QA** Activities Leave As-Is Weld Overlayed Part / Component Replaced

Coating - Cleaned & Patched

Grind Dressed

Part Cleaned

Equipment Replaced MAWP Derated

Epoxy Patched

Defect Removed & Rewelded

Patch Installed

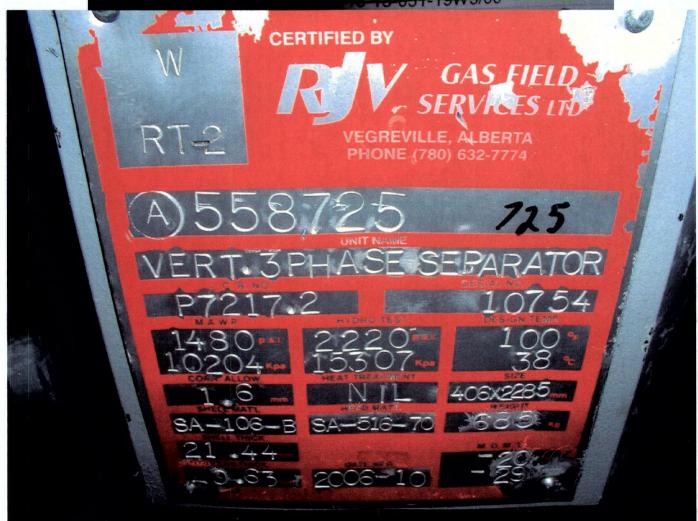
Lapped & Dressed

Coating - Removed & Replaced

Noncompliances or Insp	ection Def	ficiencies Issue	d			on the state of th
External Visual Inspect Nameplate on the Separator w The paint was in good conditio The Separator skirt was welder PSV was last serviced 05/2006 No leaks were noted. The Separator is considered ac	as attached an n with no chips d to the floor a	s noted. ind was secure.				
The Fuel Gas Scrubber was fab Serial# 10864. MAWP: 150 ps The paint was in as new condit No leaks were noted. No concerns noted on the scrubscrubber PSV info: Located: off Scrubber Serial Number: 31138-69 Size: 1"x 1" Set Pressure: 150 psi Capacity: 582 scfm Service Date: 10/2006 The Fuel Gas Scrubber is consistence.	ii at 100F. Dia ion with no ch bber. dered acceptal	meter 219mm x 760 ips noted.) mm L.			
External NDE Examinati UT carried out by Bob Marchak Separator: Nominal Shell: 0.8 Drain Nozzle: 0.320" to 0.329" Top Head: 0.836" to 0.851" Top Shell: 0.848" to 0.857" Bottom Shell: 0.820" to 0.851 Calculated t.min. on drain nozzle Remaining life on drain nozzle	.44", Head: 0.8	312", Drain Nozzle: (0.343"			
Fuel Gas Scrubber: Nominal Shell: 0.319", Head: 0.700 Head: 0.313" to 0.323" Top Shell: 0.326" to 0.331" No issue with UT readings.	1.282"					_
Internal Visual Inspecti						CANADA MARIAN MARIAN
Internal NDE Examinati	on					
The following changes are requix-Ray: RT2 not RT1 Stress Relief: No MAWP: 1480 psi not 1440 psi Orientation: Vertical not Horizo CRN: P7217.2 not P7217.23		Shord be	P 7217-23	-501/6	Regi. A	More of Zarvin
Inspection Interval						ORDER CONTROL OF THE
Keep Separator on a 5 year ins Set PSV service interval at 5 year		al.				
Damages						
						SACREGATION COMPANY
Inspector Certification				. ^		
I, the undersigned certify the that statements within this respector. Name	eport are cor	rect and represent	t inspection finding		gned task list ar	nd
	RCHAK, BOB SKY ENERGY	Inspector S Date	aignature	13-Dec-2007		
Lead Inspector's Accept			ation			NO CONTROL OF THE STATE OF THE
Lead Inspector	DALE	MEZW	Signature	for the	Date DE	47.07
Vessel Inspection Interval				eave as-is / Change		
PSV Inspection Interval				Leave as-is / Change		
				,		

PHOTOS OF A558725 SEPARATOR AND FUEL GAS SCRUBBER





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