



INSPECTION SERVICES LTD.

SEPARATOR INSPECTION REPORT

Page: 1 of 2

FACILITY:	TANGLEFLAGS GAS FIELD		DATE:	NOVEMBER 2, 2005		REPORT #:	IR051102GENp					
AREA SUPERVISOR:	DENNIS McKAGUE				COST CENTRE:		78134					
STATIC DATA												
Alberta Reg. #:	475057		CRN:	H-6948.2		National Board #:	-					
Equipment Number:	62048705		Notification Number:	6036285		Company I.D. #:	BC-169623					
Manufacturer:	RJV GASFIELD SERVICES LTD.			Serial Number:	6831							
Equip. Description:	2 PHASE VERTICAL SEPARATOR			Location (LSD):	04-18-051-25W3							
Equipment Tag #:	-		Year Built:	07/2001		Vessel Class:	-					
Province Installed:	SASKATCHEWAN		Registration #:	-		Skid / Building #:	BC-169621					
MAWP:	4965	Kpa @	38	°C	MDMT:	-29	°C	Code:	ASME U	Capacity:	-	m3
Radiography:	RT-2	P.W.H.T.	NO		Position:	VERTICAL		Support:	SKIRT		-	
Manway:	NO	Size:	- mm		Nozzle Rating:	300	# ANSI	External Coating:	YES	Insulated:	NO	
Diameter:	508	mm	Length:	S/S	1524	mm	Overall Length:	-		mm		
Internal Coating:	NO	Type:	-		Internal Cladding:	NO	Type:	-		-		
Inspection Port:	NO	Size #1:	-	mm	Location:	-		Size #2:	-	mm	Location:	-
		Material				Thickness				Corrosion Allowance		
Shell		SA-106B				12.70	mm				1.60	mm
Top Head		SA-516-70				11.88	mm				1.60	mm
Bottom Head		SA-516-70				11.88	mm				1.60	mm
Inlet Nozzle		SA-105N				11.07	mm				1.60	mm
Outlet Nozzle		SA-105N				11.07	mm				1.60	mm
PROCESS DATA												
Product Description:	NATURAL GAS						Service:	Sweet				
Operating Pressure:	10		Kpa	Operating Temperature:	5		°C					
PSV STATIC DATA												
Tag Number:	Serial Number:		Company I.D. #:		Set Pressure:		Capacity:		Back Pressure:			
-	40523		BC-169626		4965 Kpa		1944 SCFM		0 Kpa			
Manufacturer:	Model # / Type:		CRN:		CODE STAMP		Inlet Size:	Rating:	Outlet Size:	Rating:		
WELLMARK	W9501-RS800		-		UV NB		25 mm	- #	25 mm	- #		
Location of PSV:									Service Date:			
SIDE OF THE SEPARATOR									02/1998			
INSPECTION DETAILS												
Inspection Reason:	Code Inspection		Inspection Type Required:		VE, UT							
Inspection Test Plan#:	-		Inspection Type Used:		VE, UT							
Last Inspection Date:	-		Next Inspection Type:		VE, UT		W.O. / C.C.#		-			
Next Inspection Due:	2010		Outstanding Repairs:		NO		RBI Category:		A	B	C	D
VESSEL STATUS												
Integrity Status:	Suitable for Continued Service				Inventory Status:	In Service						
This IR completes a thorough inspection; reschedule as indicated. Yes Partial inspection; do not reschedule.												
INSPECTION SUMMARY												
-An inspection to verify the Vessel's integrity was done by UT and VE inspections. -No notable defects were observed; the vessel is recommended fit for service. -There are no recommendations at this time. -There are no repairs at this time -No IDRs were issued at this time. -There was no internal inspection performed at this time. -There was no internal NDE performed at this time.												
RECOMMENDATIONS												
REPAIRS COMPLETED												

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INSPECTION OBSERVATIONS**NON COMPLIANCES ISSUED**

- The PSV is past due for servicing.
- See NCR051102GENd.

INSPECTION DEFICIENCIES ISSUED**EXTERNAL VISUAL INSPECTION**

- The nameplate, instrumentation, piping and piping attachments are in fair condition.
- The vessel's ground connection is through the skid's ground rod.
- The vessel is painted with no notable coating defects.
- The skid piping is painted with no notable defects.
- The piping bolt up grading is B7 and 2H.
- The separator is welded to the skid floor.
- There is adequate access to the bottom head.
- There are no apparent leaks in the system.
- The outside piping insulation cladding is in fair condition.
- The vessel is protected by a PSV that is past due for servicing.

EXTERNAL NDE

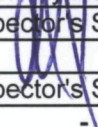
- UT inspections were performed by Silvertip Inspection Services Ltd.
- Some of the UT values recorded are below nominal; however, they are still within corrosion allowance limits.
- See the UT reports for more detailed information.

INTERNAL VISUAL INSPECTION**INTERNAL NDE****PRESSURE TESTS**

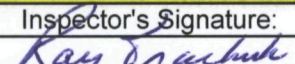
Test Completed:	-	Test Pressure:	-	Kpa	Test Acceptable:	-	Test Report #:	-
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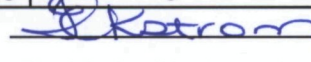
INSPECTOR CERTIFICATION

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.

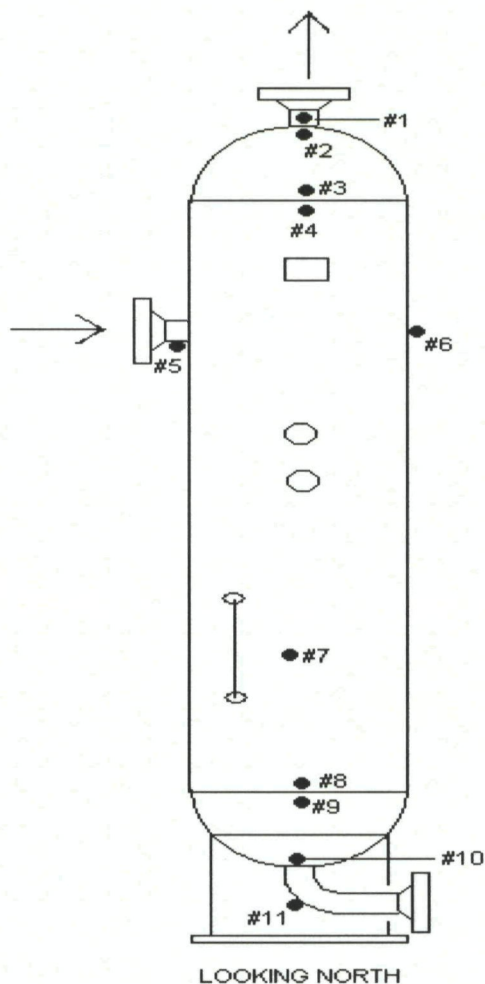
External Inspector's Name:	Inspector's Certification:	Inspector's Signature:	Date:
Guy Normand	API 510, 653, ABSA PESL, NACE		November 2, 2005
Internal Inspector's Name:	Inspector's Certification:	Inspector's Signature:	Date:
-	-	-	-

CHIEF OR LEAD INSPECTOR'S ACCEPTANCE AND SCHEDULE CONFIRMATION

Inspector's Name:	Inspector's Certification:	Inspector's Signature:	Date:		
RAY TRACHUK			05-11-09		
Vessel Inspection Interval:	Leave "As Is":	Change to:	PSV Inspection Interval:	Leave "As Is":	Change to:
5	Years		5	Years	

Office Use Only: Report Entered to SEQA Database by:  Date: 05/11/15 NCR
Static Data Verified by: _____ Date: _____

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Manufacturer:		Model # / Type:		CRN:		CODE STAMP		Inlet Size:		Rating:	
WELLMARK		W9501-RS800		-		UV NB		25 mm		#	
Location of PSV:										Service Date:	
SIDE OF THE SEPARATOR										02/1998	



BC-169623	NOMINAL	UT READING	BELOW NOMINAL			
2005						
LOC 001	0.436	0.439				
LOC 002	0.468	0.490				
LOC 003	0.468	0.520				
LOC 004	0.500	0.518				
LOC 005	0.436	0.437				
LOC 006	0.500	0.512				
LOC 007	0.500	0.510				
LOC 008	0.500	0.513				
LOC 009	0.468	0.529				
LOC 010	0.468	0.494				
LOC 011	0.436	0.429	0.007			