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TANK INSPECTION REPORT

Inspection Report

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Notification Number 6070787 Work Order 6073747
 Notification Desc TANK, PRODUCTION GLM 160M3 Maintenance Plan QNATANK6187
 Tasklist Operation (5Y Inspection Interval) 5Y Code Inspection Tank 2000 to 10,000 b

Equipment Static Data

Equipment Number 62052309 Equipment Description TANK, GLM 160M3
 Class TANK Tag Number T-100
 Serial Number G-03-285-S1 Year Built 2003
 Manufacturer GLM
 Location L7-04-002-00082 Location Description 191/13-04-044-23W3/00 SWB
 Provincial Number PM Activity Code
 Status Codes NOPR ORAS Equipment Status In Service - Fully Utilized

Design Max Temp 149 CEL Design Min Temp -12 CEL Design Standard API 12F
 Enviro Vault Exists YES Fabrication Type SHOP Firetube Exists Y
 Fluid Description OIL Fluid Service SWEET Insulation Exists Y
 Internal Coating Exists N Number of Walls SINGLE Secondary Containment
 Skidded Flag Tank Service Date Tank Type SURFACE
 Volume 160.00 M3

PRD Static Data

Equip ID	Location	Size		Set Pressure	Capacity	Manufacturer	Serial Number	Model Number	Next Service Date
		Inlet	Outlet						

Process Data

Product Description CRUDE OIL Fluid Service ☒ Sweet ☐ Sour PPM
 Operating Pressure KPA Operating Temperature °C

Pressure Test

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

PSV Data

Tag/Serial No.	Location	Size		Set Pressure	Capacity	Model / Type	Service Date
		Inlet	Outlet				

Inspection History

Inspected By ART/IRIS Inspection Date 2008.06.27

Inspection Summary

June 27, 2008 - IRIS inspected this tank. It was found to be in good condition with only minor repairs required.

Recommendations

Remove guide wires.
 Sweep out firetube.
 cc: Kim Bertoia

Gary McKay

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
☐ Equipment Replaced ☐ Grind Dressed ☐ Patch Installed
☐ MAWP Derated ☐ Coating - Cleaned & Patched ☐ Coating - Removed & Replaced
☐ Defect Removed & Rewelded ☐ Part Cleaned ☐ Lapped & Dressed
☐ Epoxy Patched

Noncompliances or Inspection Deficiencies Issued**External Visual Inspection**

The tanks external surfaces were visually inspected and found to be in fair condition.

The tank base is in fair condition with no concerns noted at time of inspection.

The tank's associated piping was found to be properly aligned and well supported.

The firetube requires to be swept out.

External NDE Examination**Internal Visual Inspection**

Generally the internal surfaces and components of the tank appeared to be in fair condition with exception to the guide wires that need to be removed.

Internal NDE Examination

Random locations of the tank's floor and lower shell were UT thickness tested with some minor metal loss identified. See attached sketch for thicknesses found and approximate locations of tests.

Data Integrity**Inspection Interval**

Change SEIM/SAP to reflect a 6 year inspection interval.

Damages**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.

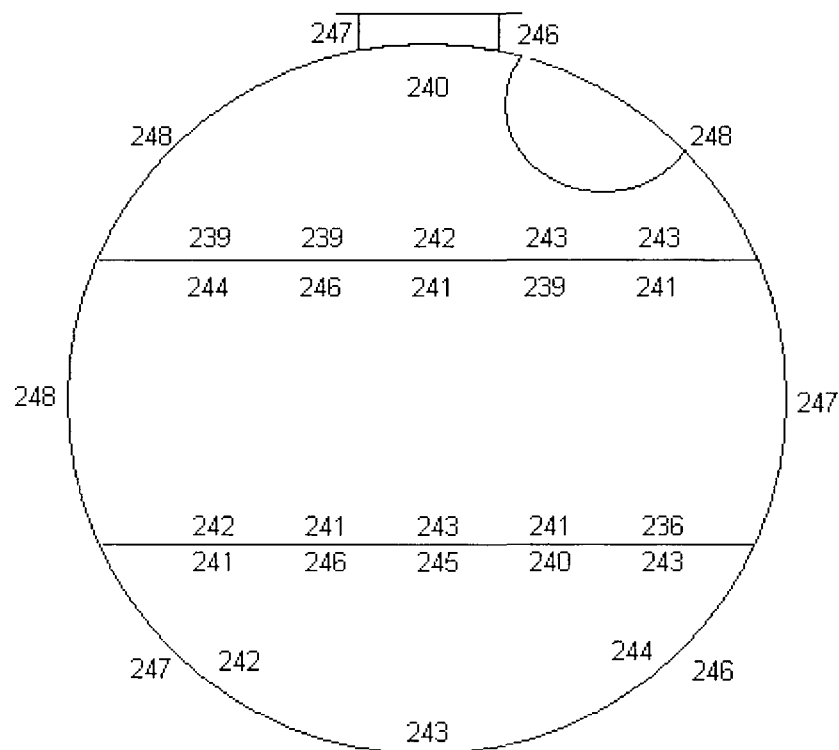
Inspector Name ART/IRIS Inspector Signature L. Bell BRIS
 Inspection Company IRIS-NDT Date July 2/08

Lead Inspector's Acceptance & Schedule Confirmation

Lead Inspector RAY TRACHUK Signature Ray Trachuk Date 08-07-02
 Vessel Inspection Interval ☒ Leave as-is / Change to: 6049x
 PSV Inspection Interval ☐ Leave as-is / Change to: _____

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LOCATION C13-4-44-23 DATE June 27/08 MFG GLM
 YEAR 2003 S/N G03 285 S1 CAP 1000 BBL AFE/CC 77980
 FLOOR THK 1/4" SHELL THK 1/4", 3/16" ROOF THK 3/16"
 SAP # 62052309



TANK #1 TANK INSPECTION REPORT

LOCAL C13-4-44-23 CONTACT _____ DATE June 20/08
 MFG 6-Lm YEAR 2003 S/N 603 285 S1 CAP 1000 MAT'L A36
 FLOOR 1/4 SHELL 1/4 3/16 ROOF 3/16 DIAM 15.25 HGHT 32 CODE API 112F
 CC# 77980 EQ# 62052309 Mplan QNTANK- Notif# 6070787

EXTERNAL SURFACE

PAINT/INSULATION:	<u>GOOD</u>	FAIR	POOR	_____
BASE/LANDSCAPING:	<u>GOOD</u>	FAIR	POOR	_____
PIPING ALIGNMENT:	<u>GOOD</u>	FAIR	POOR	_____
LADDER/STAIRS:	<u>GOOD</u>	FAIR	POOR	_____
SHELL:	<u>GOOD</u>	FAIR	POOR	_____
ROOF:	<u>GOOD</u>	FAIR	POOR	_____
ENVIROVAULT: NO / YES:	<u>GOOD</u>	FAIR	POOR	_____
GROUND CABLE:	<u>YES</u>	<u>NO</u>		
LINER	<u>YES</u>	<u>NO</u>		

FIRETUBE:

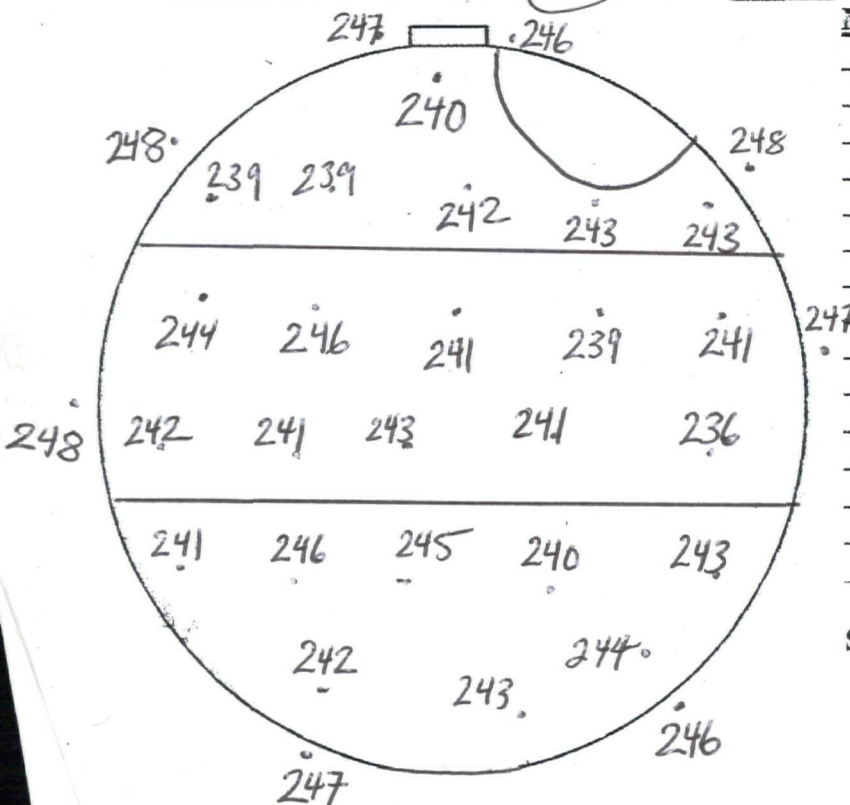
REGULATOR:	<u>YES</u>	<u>NO</u>	COMMENTS: _____
HOSE:	<u>SOFT</u>	<u>HARD</u>	_____
FLANGE (Leaking)	<u>YES</u>	<u>NO</u>	_____

INTERNAL SURFACE:

FLOOR CONDITION:	<u>GOOD</u>	FAIR	POOR	_____
SHELL CONDITION:	<u>GOOD</u>	FAIR	POOR	_____
ROOF CONDITION:	<u>GOOD</u>	FAIR	POOR	_____
FIRETUBE:	<u>GOOD</u>	FAIR	POOR	_____
PIPING CONDITION:	<u>GOOD</u>	FAIR	POOR	_____
COATING: NO / YES:	<u>GOOD</u>	FAIR	POOR	_____
CLEANING:	<u>GOOD</u>	<u>FAIR</u>	POOR	_____
ANODES:	<u>YES</u>	<u>NO</u>	#/TYPE: _____	CONSUMED _____ %
NOZZLES BACKWELDED:	<u>YES</u>	<u>NO</u>	NO: # _____	

NOTES/RECOMMENDATIONS:

FIRE TUBE NEEDS TO BE
SWEPT
Cut out Guide Wires



Suggested Inspection Interval: _____ years.

Type of Inspection: UT / VISUAL
 Test Technique: 0° THICKNESS
 Equipment: DATA 2 PEN SETS
BUFFER, FLASH LIGHT
 Job / P.O. #: WO# 4040678 IRISNDT #: 130256 Date: June 27/00
 Client: Husky Energy
 Location: BAIDWINTON (SASK)
 Item Inspected: 2 1000 BBL TANKS
 Code: API 650

Appr: Gary McKay
 Appr # 22.0560342

A UT AND VISUAL EXAMINATION WAS
 CARRIED OUT ON TWO (2) TANKS AT THE FOLLOWING
 LOCATION.

LSD: C13-4-44-23 W3M

SEE PAGE #2 FOR RESULTS ON TANK #1

SEE PAGE #3 FOR RESULTS ON TANK #2.

POOR QUALITY

Unit #: 360 Kilometres: 100 Km

In 1330 Out 1530 Hrs. 2 Hrs

In _____ Out _____ Hrs. _____

Personnel: AS

SB

Consumables:

Interpretation by: SNT-TC-1A

ART STREET C.G.S.B. _____
 (Print) (Level)

[Signature] C.G.S.B. # _____
 (Signature)

I am in full agreement with report contents:

Client Representative: [Signature]

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