

Equipment #: 66174983
Area: AN-Blackfoot
Cost Centre: / Lloyd



Tank Inspection Report

Approver: Dylan Bosse
Requisitioned By: _____
Manufacturer: Universal
Capacity: 1000bbl

Approver #: 22-2025544
Location: 103/5-35-48-2
Serial #: 20796-10
Thickness: Floor 1/4" Shell 1/4"

WO#: _____
PO#: _____
Tank Type: Heavy Oil Storage
Year Built: 2010

External Inspection

T61	Insulation	<u>GOOD</u>	FAIR	POOR
T64	Cladding	<u>GOOD</u>	FAIR	POOR
T32	Base / Landscaping	<u>GOOD</u>	FAIR	POOR
T14	Liner / Containment	<u>GOOD</u>	FAIR	POOR
T8	Ground Cable	<u>YES</u>	NO	
T6	Ladder/ Stairway	<u>GOOD</u>	FAIR	POOR
T7	Platform	<u>GOOD</u>	FAIR	POOR
T41	Piping Alignment	<u>GOOD</u>	FAIR	POOR
T15	Shell	<u>GOOD</u>	FAIR	POOR
T44	Envirovault	<u>YES</u>	NO	
T16	Roof	<u>GOOD</u>	FAIR	POOR
T11	Paint	<u>GOOD</u>	FAIR	POOR

N/A
ON PLATES
STEEL PLASTIC

ENTERED
APR 21/14

Internal Inspection

T11	Floor	<u>GOOD</u>	FAIR	POOR
V9	Shell	<u>GOOD</u>	FAIR	POOR
V10	Roof	<u>GOOD</u>	FAIR	POOR
V28	Firetube	<u>GOOD</u>	FAIR	POOR

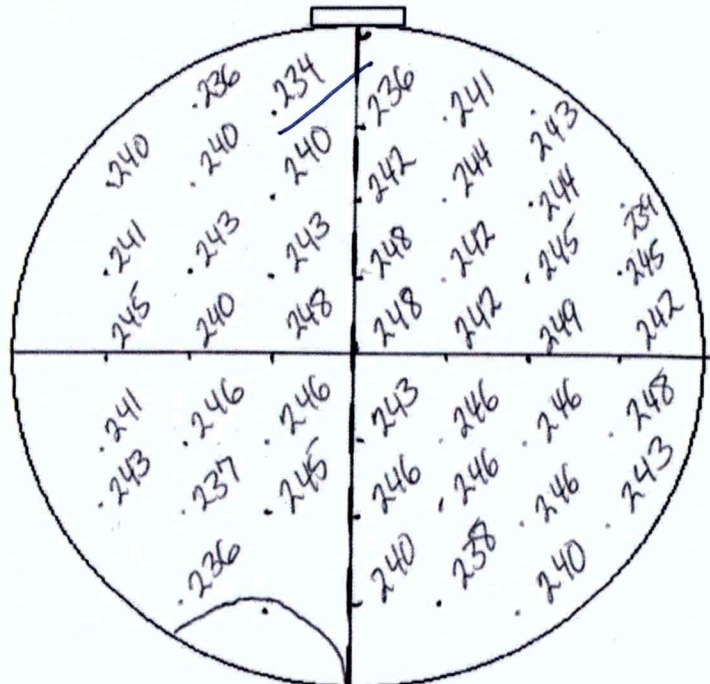
LOW => 0.234"
LOW => 0.238"

INTERNAL: GOOD BOWED OVALLED
FLANGE LEAKING: YES NO

V8	Nozzles	<u>GOOD</u>	FAIR	POOR
V7	Welds	<u>GOOD</u>	FAIR	POOR
V21	Anodes	<u>GOOD</u>	FAIR	POOR
V27	Coating	<u>GOOD</u>	FAIR	POOR

BACKWELDING REQ'D: YES NO

N/A
TYPE: N/A



Notes & Summary of Recommendations:

UT DONE AS PER HUSKY
SYR REQUIREMENTS

Inspection
Interval: 5 yr

Entered in RBMI: ☒

Approvals
Inspector
Husky Inspector

Name
Dennis Galliot

Signature
[Signature]

Date
15 Apr 14
2014-04-16

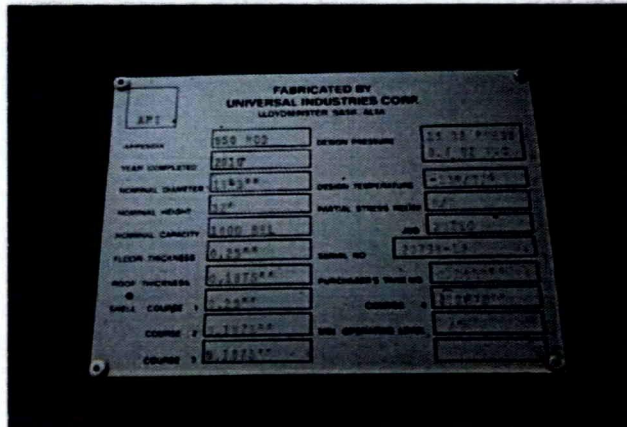


REPORT #

ULTRASONIC TESTING REPORT

UT-67-1141

Client:	HUSKY ENERGY	Date:	2014-04-15	Dispatch #:	L-5171	Procedure:	UT-1	Job Cost #:	
Job / WO #:		Location:	13-26-48-2W4 DOWNHOLE 103/5-35-48-2W4	Code:		API 653			
PO / AFE #:		Item(s) Inspected:	UT TANK FLOOR AND SHELL PRODUCTION TANK			Report Page #:	1 OF 5		
Surface Condition:						Heat Treatment:			
☐ Painted ☐ Sandblasted ☐ Machined ☐ As Cast ☐ As Forged ☐ Weldment ☒ Other:						☐ Pre ☐ Post ☒ N/A			
Ultrasonic Testing Method:									
☒ Thickness ☐ Lamination Scan ☐ Shearwave ☐ Volumetric ☐ Other:									
Material Type:		C/S	Equipment:		DMS-2	Serial #:	025L9J	Cal Date: SEPT.11/13	
Calibration Blocks:		STEP WEDGE SN: 11-4877		Test Piece:					
Transducers	Type	Size	Frequency (Mhz)		Angle (Degree)				
	GE HF2E	12.7MM	5 MHZ		0				
Dist.Ampl.Calibration:		Couplant:		SONOTECH		Batch #:		92	
Transfer Loss Calibration:		Transfer Loss:				Scan Gain:			
Reference Flaw Size:		Primary Reference Level:				Scan Methods:			
Testing Results:									
UT THICKNESS READINGS TAKEN ON									
PRODUCTION TANK									
SN: 20796-10									
UT THICKNESS READINGS TAKEN IN A 2' GRID PATTERN ACROSS ENTIRE FLOOR, (44) SPOTS AND (10) SPOTS EVENLY DISTRIBUTED AROUND SHELL AT 3" ABOVE FLOOR									
FLOOR NOMINAL THICKNESS: 0.250"									
SHELL NOMINAL THICKNESS: 0.250"									
LOW SHELL READING: 0.238"									
LOW FLOOR READING: 0.234"									
PLEASE REFER TO THE ATTACHED PAGES FOR PHOTOS OF THE INSPECTED AREAS.									
AS WELL AS HUSKY'S TANK INSPECTION REPORT									
Testing Limitations: ☐ Yes ☒ No If Yes explain:									
Continuance Report Attached: ☒ Yes ☐ No Report #: PHOTOS									
Unit #:	9	KMs:	NIL	Consumables:	Interpreter (print): DENNIS GALLIOTT				
Reg:	2	OT1:		MINIMUM	Interpreter (sign): <i>Dennis Galliot</i>				
OT2:		Sub:	☐ Ye ☐ N	CGSB Level:		CGSB #:		SNT-TC-1A Level:	1
Personnel: DENNIS GALLIOTT				I am in full agreement with the contents and charges applicable to this report					
KESHIA OSMOND				Client (print):		Client (sign):			

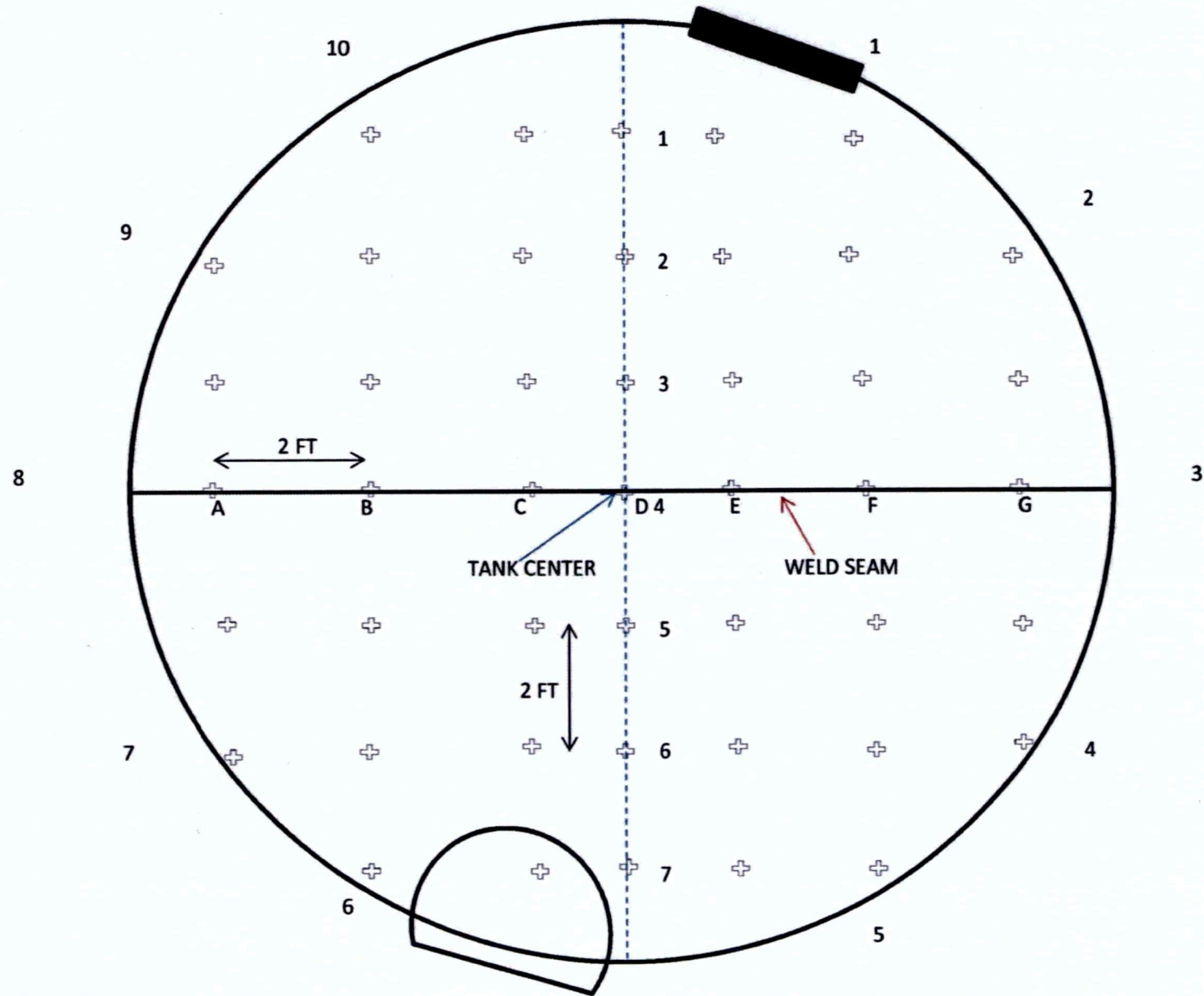


PROD. TANK SN: 20796-10



44 FLOOR READINGS & 10 SHELL READINGS TAKEN
 LOW FLOOR READING: 0.234"
 LOW SHELL READING: 0.238"

PRODUCTION TANK LAYOUT



PRODUCTION TANK FLOOR

Column1	A	B	C	D	E	F	G
1		0.236"	0.234"	0.236"	0.241"	0.243"	
2	0.240"	0.240"	0.240"	0.242"	0.244"	0.244"	0.239"
3	0.241"	0.243"	0.243"	0.248"	0.242"	0.245"	0.245"
4	0.245"	0.240"	0.248"	0.248"	0.242"	0.249"	0.242"
5	0.241"	0.246"	0.246"	0.243"	0.246"	0.246"	0.248"
6	0.243"	0.237"	0.245"	0.246"	0.246"	0.246"	0.243"
7		0.236"	VAULT	0.240"	0.238"	0.240"	

PRODUCTION TANK SHELL

POSITION	1	2	3	4	5	6	7	8	9	10
READING	0.242"	0.239"	0.238"	0.239"	0.238"	0.237"	0.237"	0.235"	0.240"	0.238"