## Husky Energy

BlackFoot! Lloyd

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## **Tank Inspection Report**

Locat	ion: 7-33-49-11 Universal  Thk: 74"  sitioned by: Mike Hein	N4		•	Tank Ty	ype: <u>()</u>	L Storage Dat	e: JAN 2	3.201	2_	3
Mfg: _	Universal		Year b	olt: 2	011		S/N: 021084-3 C/	AP: 1000 b	bl		
Floor	Thk: 14"	Shell T	hk: 1/2	4"	3/16"		Roof Thk: 3/16"				
Requi	isitioned by: Mike Hein			Ap	prover:	Mike	Approve	er Code: 2	Z-02	020	569
WO#	:PO#:_	84012	3416	2	_ cc	:800	27121 SAP #: 66	6897			
EXTE	RNAL INSPECTION:					INTE	RNAL INSPECTION:				
ID	Item	Yes	Good	N/A	See Notes	ID	ltem	Yes	Good	N/A	See Notes
	GENERAL					I	GENERAL				
T1	Other (Please Explain)						Other (Please Explain)				
T2	Corrosion			/		T2	Corrosion	/			2
ТЗ	Leaks			/			Erosion			1	
T4	Vibration	5 10		/			Distortion			/	
T5	Dissimilar Flange Rating			/			Blisters			/	
T6	Ladder/Stairway	/	/				Deposits	/			3
T7	Platform			/	1.		Welds	1	/		
T8	Electrical Ground			/		7.00	Nozzles	1	/		
Т9	Cathodic Protection			/			Shell		1,		
T10	Painted Inactive Corrosion			/		-	Roof	/	/		
T11	Coating/Painting			/			Floor		/		
T12	Level Gauge	/	/				GENERAL				
T13	Bottom			/			Other - Firetube				4
T14	Secondary Containment			/			Other - Anodes			/_	
T15	Shell	/	1,				Annular Ring			/_	
T16	Roof		/				Sump			/,	
T17	Agitator/ Mixer			/	1		Roof Supports		/	/	
100	SUPPORTS				1-20		Thermowells		/		
T31	Other (Please Explain)						Metallic Linings			/,	
T32	Foundation	- a a Milliacciona		/			Non Metallic Linings			1,	
T33	Anchor Bolts	8 6		/			Internal Steam Coil / other Pipin	g	/	/	
T34	Windgirders			1			Level Gauge		//		
	CONNECTIONS						Other Welded Attachements	/	/		
T41	Other (Please explain)					Bac	welding Req'd			/	
T42	Small Branches			/							
	Nozzles	1	/			ID	Notes				
T44	Pipe Manifolds			/		1.	Platform Removed F	ROM TA	NK.		
T45	Swing Lines			/			2 6 6 1 8 :	" "			
T46	Manways/Hatches	/	/			2.	Surface State BriDip	on the t	LOOK		
T47	Reinforcing Pads			/							
T48	Inadequate Thread Engagement			/		3.	DIL Shale Deposits D.	1 the She	LL AN		
T49	Bolting		,	/			Piping.				
T50	Flanges	/	/	-				, ,		,	
T51	Leak Clamps			/		4.	Blowput Firetube: Debris, then Re-el	to Kemp	ve I	2161	VAL
	INSULATION		1000				Debris, then Ke-el	PALVATE	tub	e.	
T61	Other (Please explain)			1							
T62	Damage		/	/		-					
T63	Penetrations	/	1	,	$\vdash$	-					1.0
T64	Jacket			/							
T65	Banding			/							
T66	Seals/Joints		F-17:1	/	1						
T7:	RELIEF DEVICE	45 3 245			100						
T7t	Other (Please explain)	100		1					- 30		
T72	Corrosion			1							
T73	Leaks			V				186. 4-			
T74	Restricted InleUOutlet			/							
T75	Manual Operation Lever		1	/	1 1	1					

Page 3 of 3 Husky Energy Without MFE With MFE S/N: 021084-3 .140 - .150 .170 - up 5 yr 5 yr .130 - .139 4 yr .160 - .169 4 yr 7-33-49-1 W4 .120 - .129 .150 - .159 3 yr 3 yr Location: .110 - .119 .140 - .149 2 yr 2 yr 241 .130 - .139 .100 - .109 1 yr 1 yr Patch Patch 246 Replace Replace under .100 under .130 Floor Floor Shell Shell 126 220 238 237 224 230 234 221 128 234 224 221 236 239 234 221 Inspection Interval Based 236 228 on Assumption that VAULT Recommendations were Completed Comments: TANK Currently Disconnecten From Well InterNAL BuilDUD, then Re-enaluate Blownut Tube. TURNINIAND Inspected by: **Husky Inspector:** 



## **NONDESTRUCTIVE INSPECTION REPORT**

CA1098-NDT-47

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Type of Inspection: VT

2.0

Test Technique: UT thickness( 4.2)

Equipment: DMS2 / FLASHLIGHT GRINDER Code / Standard: client information

Client: HUSKY OIL OPERATIONS

IRISNDT #: LYN1800093 Location: 7-33-49-1 W4M

Item Inspected: 1000bbl Tank s/n# 021084-3

Date: 23-Jan-18

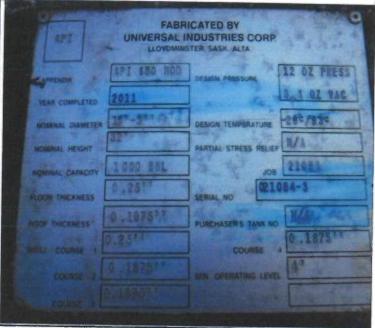
Other: C.C# 80027121

PO#: 8401234162

A UT and visual inspection was carried out as requested on a 1000bbl tank, refer to attached pages for complete inspection results.

TANK S/N# 021084-3: blowout firetube to remove internal buildup, then re-evaluate tube. tank in good overall condition for a 5yr turnaround with good tube.





APPROVER: MICHAEL HEIN 2Z-02020569

DMS 2 S/N# 31074 CAL DATE: JAN3 2018.

F2HE PROBE S/N# SCA0690

Unit#:767		Kilometers:	O Consumables:	Interpretation by:	
in:	Out:	Hrs:	NATI Y	Stephen Bryan	SNT-TC-1A:
In:	Out:	Hrs:		(Print)	C.G.S.B.:
				Of meet	(Level)
Personnel:				(Sign)	C.G.S.B #: 12459
TEPHEN BRYAN	N / BRAYDEN MCGI	NNIS		Client Representative:	
				(Print)	2
				I am in full agreement with report contents (Sign)	Janel !

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Red Deer

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