

			LSD: 06-	<mark>-25-046-0</mark> 3	3W4	Date: 2	015-01-20 S	SAP Equip	ment ID	62045563	
					VESSEL S	TATIC DATA	4				
ant:	R	vercourse				OP Unit:		s	System:		
ov. Insp . #	: 0	545993	NB	#: N/S		CRN:	A4060.32	E	quip Tag#:	620)45563
quipment De	scription:	SCRUB	BER		•			s	Serial #:	019	6404
anufacturer	: V	ATERFLOOD						V	essel Class	ves	sel
ternal Acces	ss: N	0		De	escription:			١	ear Built:	20	01
AWP:	1	793	kpa	At	Тетр	93	С	N	иDMT:		-29 C
ode:	N	/S		RT	Γ: Νο	one		F	WHT:	No	
ameter: 4	06 i	nm Lengt l	h: 1168	mm (T	//T): m	m OAL:	mm	(Orientation:	Ver	tical
SHE	LL	Mat'l: Unk	known SA 100	6В ть	ickness:	0.00	9.53 mm	0	Corr Allowar	ice:	9.00 1.6 mm
HE	AD	Mat'l: Unk	_{rnown} SA 516	6-70 Th	ickness:	0.00	8.3 _{mm}		Corr Allowar	ice:	9.00 1.6 mm
	Nozzle	Mat'l:		Th	ickness:				Corr Allowar	ice:	
ternal Coati	ng:	No		In	ternal Clad:				Capacity:		m3
anway:		No		In	spection Port	Yes	5	s	Skirt X	Legs	Saddle
ozzle Rating	:	150	lb ANSI	Pa	ninted:	Yes	5	I	insulated:	No	
					PROCE	SS DATA					
oduction De	scription:			Si	weet	Sour:					
perating Pre	ssure		kpa	Op	perating Temp):	С	Stat	tus: Sh	ut-In	
					PSV STA	TIC DATA					
			Size	e(mm)	Set Pres	Capacity	Manufacturer			Last	Service
Tag #	Serial No.	Location	Inlet	Outle	(12.)	Imperial			Model	Service	Company
3238	83353-7	Head	50.80	50.8	0 345	474	Taylor Valve		T-8200-2	2010/06/07	GUEST
					PSV D	ETAILS					<u>'</u>
		Type(T	hread/Flange	e)	1	ANSI Rating			Siz	e(In/mm)	
PRD Inle	et	Thread	ed			N/A			50).80	
PRD Out	et	Thread	ed			N/A			50	0.80	
				ND	E Equipme	nt Records					
Proced	ure #	Descri	ption		ufacturer	1	odel#	9	Serial#		Due Date
									-		

INSPECTION SUMMARY

VESSEL IS FIT FOR SERVICE.

RECOMMENDATIONS

RECOMMEND TO SERVICE PSV BEFORE PUTTING VESSEL BACK INTO SERVICE.

NONCONFORMANCES/INSPECTION DEFICIENCES

PSV SERVICE IS PAST DUE.

Service PSV prior to re-commissioning the vessel.



Assessed Next Inspection Date

2020

PRESSURE VESSEL & COLUMN INSPECTION REPORT

INSPECTION PLANNING

		INSPECTION	PLANNING				
Inspection Strategy		Availability		Inspection Interval		5 year	
Inspection Date	2015/01/20	Date of Last Inspect		Date of Next Insp	_	2020	
		REPORT CERT	TFICATION				
•	fy that inspections/tests have b sidered fit for service until the o	peen completed in accordance wit date of next inspection.	th the identified inspection s	strategy and that the			
Inspected by	Justin Oricho	wski	Cert	# 758	Date	2015/01/20	
Reviewed and Approved by					Date		
Criticality Assessment Rerur	n	Inspection Planni	ng Rerun				



DETAILED INSPECTION VISUAL EXTERNAL

10. Description Outdoor Control Access! Access! <t< th=""><th></th><th></th><th></th><th></th><th></th><th> </th></t<>						
Vol. General Correction Accepted Services No.	ID	Description	Condition	Location	NCR	Comments
	V1	General Other (Please Explain)	Accept		No	GOOD CONDITION.
V Vibration N/A No. NOT IN SERVICE. V5 Describillar Plange Balting Accept NO. CONTROLLED PLANTERS V6 Labder/Sharway N/A NO. CONDECTION. V7 Red Schrift Sharway N/A NO. CONDECTION. V8 Gry Wires N/A NO. CONDECTION. V10 Pathed Inactive Coroson N/A NO. NO. V11 Catting Planting Accept NO. NO. CONDECTION. V11 Catting Planting Accept NO. NO. CONDECTION. V12 Expansion award of Bellows N/A NO. CONDECTION. V13 Savelet Class Accept NO. CONDECTION. V13 Savelet Class Accept NO. PRIPACE INVELSE INVELSE INVESTIGATION. V14 Spot Condection Accept NO. PRIPACE INVELSE INVESTIGATION. V15 Savelet Charles NO. NO. PRIPACE INVELSE INVESTIGATION. V15 Save	V2	General Corrosion	Accept		No	NO CORROSION OBSERVED.
No	V3	General Leaks	N/A		No	NOT IN SERVICE.
VS Lodder/Stainway N/A NO CODO CONDITION. V7 Needs Accept NO CODO CONDITION. V8 GLY Wries N/A NO CODO CONDITION. V9 Estarcial Ground N/A NO PART IN CODIO CONDITION. V11 Costing Parieting Accept NO PART IN CODO CONDITION. V12 Expansion Joint or Bellows N/A NO PRINT IN CODO CONDITION. V13 Sugnified Seas Accept NO CODO CONDITION. V13 Sugnified Seas Accept NO CODO CONDITION. V15 Jacket N/A NO CODO CONDITION. V15 Jacket N/A NO PRINT IN CODO CONDITION. V22 Foundation Accept NO CODO CONDITION. V23 Accept NO SUBSTITUTION. V24 Sedice Carrier N/A NO SUBSTITUTION. V25 David N/A NO SUBSTITUTION.	V4	Vibration	N/A		No	NOT IN SERVICE.
V	V5	Dissimilar Flange Rating	Accept		No	
VB Guy Wires NA NA NO Electrical Ground NA NA NO Part By GOOD CONDITION. V11 Conting/Painting Accept NO NO CONDITION. Accept Class NO CONDITION. Accept Class Acc	V6	Ladder/Stairway	N/A		No	
V9 Electrical Ground N/A No No V10 Painted Inactive Corrosion N/A No PAINT IN GOOD CONDITION. V11 Coefing/Painting Accept No PAINT IN GOOD CONDITION. V12 Expansion Joint or Bellows N/A No COOD CONDITION. V12 Spansion Joint or Bellows Accept No COOD CONDITION. V14 Shell Accept No COOD CONDITION. V15 Jacket N/A No CONDITION. V15 Jacket N/A No CONDITION. V12 Support Other (Please explain) Accept No PRINCE SWELL SUPPORTED. V12 Archer Botts Accept No No PRINCE SWELL SUPPORTED. V12 Stoud State Accept No No PRINCE SWELL SUPPORTED. V12 Stoud State Accept No No PRINCE SWELL SUPPORTED. V12 Stoud State N/A No PRINCE SWELL SUPPORTED.	V7	Heads	Accept		No	GOOD CONDITION.
VO Painted Inactive Corrosion N/A No No PAINT IN GOOD CONDITION. V11 Cacting/Painting Accept No No PAINT IN GOOD CONDITION. V12 Expansion Joint or Bellows N/A No GOOD CONDITION. V13 Suble Accept No GOOD CONDITION. V14 Shell Accept No GOOD CONDITION. V15 Saket N/A No DOOD CONDITION. V12 Suport Other (Please explain) Accept No PIPRING IS WELL SUPPORTED. V22 Foundation Accept No PIPRING IS WELL SUPPORTED. V23 Anchor Bolts N/A No MICRO TO FOUNDATION. V24 Subtle Accept No SKIT IN GOOD CONDITION. V25 Onate N/A No SKIT IN GOOD CONDITION. V25 Swite N/A No PIPRING CONNECTIONS IN GOOD CONDITION. V33 Rozzles Accept No PIPRING CONNECTIONS IN GOOD CONDITION.	V8	Guy Wires	N/A		No	
V11 Coeting/Painting Accept No PAINT IN GOOD CONDITION. V12 Expansion Joint or Bellows N/A No COOD CONDITION. V13 Gauge/Site Glass Accept No GOOD CONDITION. V14 Shell Accept No GOOD CONDITION. V15 Saket N/A No GOOD CONDITION. V21 Support Other (Please explain) Accept No PIPPING IS WELL SUPPORTED. V22 Sundation Accept No PIPPING IS WELL SUPPORTED. V23 Anchor Bolts N/A No WILD TO TO FOURDATION. V24 Sundition Accept No SURL IN GOOD CONDITION. V25 Davit NA No SURL IN GOOD CONDITION. V25 Davit NA No SURL IN GOOD CONDITION. V31 Connections Other (Please explain) Accept No GENERAL TORS IN GOOD CONDITION. V33 ROLD State Thread Engagement Accept No ACCEPT TORS IN GOOD CONDITION.	V9	Electrical Ground	N/A		No	
V12 Expansion Joint or Bellows N/A No GOOD CONDITION. V13 Gauge/Site Glass Accept No GOOD CONDITION. V14 Shell Accept No GOOD CONDITION. V15 Jacket N/A No GOOD CONDITION. V15 Jacket N/A No PIPING IS WELL SUPPORTED. V21 Pundation Accept No PIPING IS WELL SUPPORTED. V22 Poundation Accept No WEIDED TO FOUNDATION. V23 Anchor Bolls N/A No WEIDED TO FOUNDATION. V24 Saddle/Site Accept No SIGHT IN GOOD CONDITION. V25 Devit N/A NO PIPING CONNECTIONS IN GOOD CONDITION. V31 Connections Other (Please explain) Accept No PIPING CONNECTIONS IN GOOD CONDITION. V33 Regional Branches Accept No GOOD CONDITION. V33 Region Consortions Other (Please explain) Accept No GOOD CONDITION.	V10	Painted Inactive Corrosion	N/A		No	
V31 Gauge/Site Glass Accept No GOOD CONDITION. V14 Shell Accept No GOOD CONDITION. V15 Jacket NA No GOOD CONDITION. V121 Support Other (Please explain) Accept No PIPING IS WELL SUPPORTED. V22 Foundation Accept No PIPING IS WELL SUPPORTED. V23 Anchor Bolts NI/A No WELDED TO FOUNDATION. V24 Saddle/Skirt Accept NO SERT IN GOOD CONDITION. V25 Davit NI/A NO SERT IN GOOD CONDITION. V35 Freproding NI/A NO PIPING CONNECTIONS IN GOOD CONDITION. V31 Connections Other (Please explain) Accept NO PIPING CONNECTIONS IN GOOD CONDITION. V33 Nozzles Accept NO OCCODED CONDITION. V34 Marways NI/A NO ACCEPT V34 Marways NI/A NO ACCEPT V36 Enforcing Pads	V11	Coating/Painting	Accept		No	PAINT IN GOOD CONDITION.
V14 Shell Accept NO GOOD CONDITION. V15 Jacket N/A NO PIPING IS WELL SUPPORTED. V21 Support Other (Please explain) Accept NO PIPING IS WELL SUPPORTED. V22 Foundation Accept NO WELDED TO FOUNDATION. V23 Anchor Bolls N/A NO SERT IN GOOD CONDITION. V24 Saddle/Skit Accept NO SERT IN GOOD CONDITION. V25 Davit N/A NO PIPING CONNECTIONS IN GOOD CONDITION. V26 Fireproofing N/A NO PIPING CONNECTIONS IN GOOD CONDITION. V31 Connections Other (Please explain) Accept NO GOOD CONDITION. V31 Rose Accept NO GOOD CONDITION. V33 NOZZes Accept NO GOOD CONDITION. V33 Rose of Controlled Please explain N/A NO ACCEPT NO V34 Baninge Accept NO ACCEPT NO V33 Binages	V12	Expansion Joint or Bellows	N/A		No	
V15 Backet N/A NO PIPING IS WELL SUPPORTED. V21 Support Other (Please explain) Accept NO PIPING IS WELL SUPPORTED. V22 Foundation Accept NO WELDED TO FOUNDATION. V23 Anchor Bolts N/A NO SKIRT IN GOOD CONDITION. V24 Saddle/Skirt Accept NO NO V25 Davit N/A NO NO V26 Fireproofing N/A NO PIPING CONNECTIONS IN GOOD CONDITION. V31 Connections Other (Please explain) Accept NO PIPING CONNECTIONS IN GOOD CONDITION. V32 Small Branches Accept NO GOOD CONDITION. V33 Nozzles Accept NO GOOD CONDITION. V34 Manways N/A NO GOOD CONDITION. V35 Reinforcing Pads N/A NO GOOD CONDITION. V36 Inadequate Thread Engagement Accept NO ADEQUATE THREAD ENGAGEMENT ORSERVED. V38 <t< td=""><td>V13</td><td>Gauge/Site Glass</td><td>Accept</td><td></td><td>No</td><td>GOOD CONDITION.</td></t<>	V13	Gauge/Site Glass	Accept		No	GOOD CONDITION.
V21 Support Other (Please explain) Accept No PRIPING IS WELL SUPPORTED. V22 Foundation Accept No V33 Anchor Bolts N/A No WELDED TO FOUNDATION. V24 Saddle/Skirt Accept No SKIRT IN GOOD CONDITION. V25 Davit N/A No Incomposition of the (Please explain) V32 Frieproofing N/A No PIPING CONNECTIONS IN GOOD CONDITION. V31 Connections Other (Please explain) Accept No PIPING CONNECTIONS IN GOOD CONDITION. V33 Nozzles Accept No GOOD CONDITION. V33 Nozzles Accept No GOOD CONDITION. V34 Manways N/A No GOOD CONDITION. V34 Manways N/A No GOOD CONDITION. V35 Reinforcing Pads N/A No ACCEPT V36 Inadequate Thread Engagement Accept No ACCEPT V37 Bolting Accept	V14	Shell	Accept		No	GOOD CONDITION.
No	V15	Jacket	N/A		No	
V23 Anchor Bolts N/A NO WELDED TO FOUNDATION. V24 Saddle/Skirt Accept NO SKIRT IN GOOD CONDITION. V25 Davit N/A NO Fireproofing V31 Connections Other (Please explain) Accept NO PIPING CONNECTIONS IN GOOD CONDITION. V32 Small Branches Accept NO GOOD CONDITION. V33 Nozzles Accept NO GOOD CONDITION. V34 Manways N/A NO GOOD CONDITION. V35 Reinforcing Pads N/A NO GOOD CONDITION. V36 Inadequate Thread Engagement Accept NO GOOD CONDITION. V37 Bolting Accept NO ADEQUATE THREAD ENGAGEMENT OBSERVED. V37 Bolting Accept NO ADEQUATE THREAD ENGAGEMENT OBSERVED. V38 Flanges Accept NO ADEQUATE THREAD ENGAGEMENT OBSERVED. V39 Leak Clamps N/A NO ADEQUATE THREAD ENGAGEMENT OBSERVED. <t< td=""><td>V21</td><td>Support Other (Please explain)</td><td>Accept</td><td></td><td>No</td><td>PIPING IS WELL SUPPORTED.</td></t<>	V21	Support Other (Please explain)	Accept		No	PIPING IS WELL SUPPORTED.
V24 Saddle/Skirt Accept No SKIRT IN GOOD CONDITION. V25 Davit N/A No SKIRT IN GOOD CONDITION. V26 Fireproofing N/A No PIPING CONNECTIONS IN GOOD CONDITION. V31 Connections Other (Please explain) Accept No PIPING CONNECTIONS IN GOOD CONDITION. V32 Small Branches Accept No GOOD CONDITION. V33 Nozzles Accept No GOOD CONDITION. V34 Manways N/A No GOOD CONDITION. V34 Manways N/A No GOOD CONDITION. V35 Reinforcing Pads N/A No ACCEPT V36 Inadequate Thread Engagement Accept No ADEQUATE THREAD ENGAGEMENT OBSERVED. V37 Bolting Accept No No V39 Leak Clamps N/A No ADEQUATE THREAD ENGAGEMENT OBSERVED. V41 Insulation Other (Please explain) N/A No ADEQUATE THREAD ENGAGEMENT OBSERVED.	V22	Foundation	Accept		No	
V25 Davit N/A NO V26 Fireproofing N/A NO V31 Connections Other (Please explain) Accept NO V32 Small Branches Accept NO V33 Nozzles Accept NO V34 Manways N/A NO V35 Reinforcing Pads N/A NO V36 Inadequate Thread Engagement Accept NO V37 Bolting Accept NO V38 Flanges Accept NO V39 Leak Clamps N/A NO V41 Insulation Other (Please explain) N/A NO V42 Damage N/A NO V43 Penetrations N/A NO V44 Insulation Jacket N/A NO V43 Penetrations N/A NO V44 Insulation Jacket N/A NO V45 Seals/Joints N/A NO <td>V23</td> <td>Anchor Bolts</td> <td>N/A</td> <td></td> <td>No</td> <td>WELDED TO FOUNDATION.</td>	V23	Anchor Bolts	N/A		No	WELDED TO FOUNDATION.
V26 Fireproofing N/A No PIPING CONNECTIONS IN GOOD CONDITION. V31 Connections Other (Please explain) Accept No PIPING CONNECTIONS IN GOOD CONDITION. V32 Small Branches Accept No GOOD CONDITION. V33 Nozzles Accept No GOOD CONDITION. V34 Manways N/A No No V35 Reinforcing Pads N/A No ACCEPT V36 Inadequate Thread Engagement Accept No ADEQUATE THREAD ENGAGEMENT OBSERVED. V37 Bolting Accept No ADEQUATE THREAD ENGAGEMENT OBSERVED. V38 Flanges Accept No ACCEPT V39 Leak Clamps N/A No ACCEPT V41 Insulation Other (Please explain) N/A No ACCEPT V42 Damage N/A No ACCEPT V44 Insulation Jacket N/A No ACCEPT V45 Bandling N/A No<	V24	Saddle/Skirt	Accept		No	SKIRT IN GOOD CONDITION.
V31 Connections Other (Please explain) Accept No PIPING CONNECTIONS IN GOOD CONDITION. V32 Small Branches Accept No GOOD CONDITION. V33 Nozzles Accept No GOOD CONDITION. V34 Manways N/A No No V33 Reinforcing Pads N/A No Accept V36 Inadequate Thread Engagement Accept No ADEQUATE THREAD ENGAGEMENT OBSERVED. V37 Bolting Accept No ADEQUATE THREAD ENGAGEMENT OBSERVED. V37 Bolting Accept No ADEQUATE THREAD ENGAGEMENT OBSERVED. V38 Flanges Accept No ACCEPT V39 Leak Clamps N/A No ACCEPT V41 Insulation Other (Please explain) N/A No ACCEPT V42 Damage N/A No ACCEPT V44 Insulation Jacket N/A No ACCEPT V44 Insulation Jacket N/A <	V25	Davit	N/A		No	
V32 Small Branches Accept No V33 Nozzles Accept No GOOD CONDITION. V34 Manways N/A No Image of the province of the p	V26	Fireproofing	N/A		No	
V33 Nozzles Accept No GOOD CONDITION. V34 Manways N/A No Incompany V35 Reinforcing Pads N/A No ADEQUATE THREAD ENGAGEMENT OBSERVED. V36 Inadequate Thread Engagement Accept No ADEQUATE THREAD ENGAGEMENT OBSERVED. V37 Bolting Accept No Incompany V38 Flanges Accept No V39 Leak Clamps N/A No V41 Insulation Other (Please explain) N/A No V42 Damage N/A No V43 Penetrations N/A No V44 Insulation Jacket N/A No V44 Insulation Jacket N/A No V45 Banding N/A No V45 Seals/Joints N/A No V51 Relief Devices Other (Please explain) Concern No V52 Corrosion Accept No	V31	Connections Other (Please explain)	Accept		No	PIPING CONNECTIONS IN GOOD CONDITION.
V34 Manways N/A No V35 Reinforcing Pads N/A No V36 Inadequate Thread Engagement Accept No V37 Bolting Accept No V38 Flanges Accept No V39 Leak Clamps N/A No V41 Insulation Other (Please explain) N/A No V42 Damage N/A No V43 Penetrations N/A No V44 Insulation Jacket N/A No V45 Banding N/A No V46 Seals/Joints N/A No V51 Relief Devices Other (Please explain) Concern No SERVICED 06/2010 - PSV SERVICE IS PAST DUE. V52 Corrosion Accept No No	V32	Small Branches	Accept		No	
V35 Reinforcing Pads N/A No ADEQUATE THREAD ENGAGEMENT OBSERVED. V36 Inadequate Thread Engagement Accept No ADEQUATE THREAD ENGAGEMENT OBSERVED. V37 Bolting Accept No No V38 Flanges Accept No V39 Leak Clamps N/A No V41 Insulation Other (Please explain) N/A No V42 Damage N/A No V43 Penetrations N/A No V44 Insulation Jacket N/A No V44 Insulation Jacket N/A No V45 Banding N/A No V46 Seals/Joints N/A No V51 Relief Devices Other (Please explain) Concern No V52 Corrosion Accept No V53 Leaks N/A No	V33	Nozzles	Accept		No	GOOD CONDITION.
V36 Inadequate Thread Engagement Accept No ADEQUATE THREAD ENGAGEMENT OBSERVED. V37 Bolting Accept No Inadequate Thread Engagement V38 Flanges Accept No Inadequate Thread Engagement V38 Flanges Accept No Inadequate Thread Engagement V39 Leak Clamps Accept No Inadequate Thread Engagement V41 Insulation Date (Please explain) N/A No Inadequate Thread Engagement V41 Insulation Other (Please explain) N/A No Inadequate Thread Engagement V42 Damage Accept No Inadequate Thread Engagement V41 Insulation Other (Please explain) N/A No Inadequate Thread Engagement V42 Damage N/A No Inadequate Thread Engagement V43 Penetrations N/A No Inadequate Thread Engagement V44 Insulation Other (Please explain) N/A No Inadequate Thread Engagement V44 Insulation Other (Ple	V34	Manways	N/A		No	
V37 Bolting Accept No V38 Flanges Accept No V39 Leak Clamps N/A No V41 Insulation Other (Please explain) N/A No V42 Damage N/A No V43 Penetrations N/A No V44 Insulation Jacket N/A No V45 Banding N/A No V46 Seals/Joints N/A No V51 Relief Devices Other (Please explain) Concern No SERVICED 06/2010 - PSV SERVICE IS PAST DUE. V52 Corrosion Accept No No V53 Leaks N/A No No	V35	Reinforcing Pads	N/A		No	
V38 Flanges Accept No V39 Leak Clamps N/A No V41 Insulation Other (Please explain) N/A No V42 Damage N/A No V43 Penetrations N/A No V44 Insulation Jacket N/A No V45 Banding N/A No V46 Seals/Joints N/A No V51 Relief Devices Other (Please explain) Concern No V52 Corrosion Accept No V53 Leaks N/A No	V36	Inadequate Thread Engagement	Accept		No	ADEQUATE THREAD ENGAGEMENT OBSERVED.
V39 Leak Clamps N/A No V41 Insulation Other (Please explain) N/A No V42 Damage N/A No V43 Penetrations N/A No V44 Insulation Jacket N/A No V45 Banding N/A No V46 Seals/Joints N/A No V51 Relief Devices Other (Please explain) Concern No SERVICED 06/2010 - PSV SERVICE IS PAST DUE. V52 Corrosion Accept No No V53 Leaks N/A No Incompany of the company of the com	V37	Bolting	Accept		No	
V41 Insulation Other (Please explain) N/A No No V42 Damage N/A No No V43 Penetrations N/A No No V44 Insulation Jacket N/A No No V45 Banding N/A No No V46 Seals/Joints N/A No SERVICED 06/2010 - PSV SERVICE IS PAST DUE. V51 Relief Devices Other (Please explain) Concern No SERVICED 06/2010 - PSV SERVICE IS PAST DUE. V52 Corrosion Accept No No V53 Leaks N/A No No	V38	Flanges	Accept		No	
V42DamageN/ANoV43PenetrationsN/ANoV44Insulation JacketN/ANoV45BandingN/ANoV46Seals/JointsN/ANoV51Relief Devices Other (Please explain)ConcernNoV52CorrosionAcceptNoV53LeaksN/ANo	V39	Leak Clamps	N/A		No	
V43PenetrationsN/ANoV44Insulation JacketN/ANoV45BandingN/ANoV46Seals/JointsN/ANoV51Relief Devices Other (Please explain)ConcernNoSERVICED 06/2010 - PSV SERVICE IS PAST DUE.V52CorrosionAcceptNoV53LeaksN/ANo	V41	Insulation Other (Please explain)	N/A		No	
V44Insulation JacketN/ANOV45BandingN/ANoV46Seals/JointsN/ANoV51Relief Devices Other (Please explain)ConcernNoV52CorrosionAcceptNoV53LeaksN/ANo	V42	Damage	N/A		No	
V45 Banding N/A No No V46 Seals/Joints N/A No No Seals/Joints N/A No Seals/Joints No Seals/Joints No Seals/Joints No No Seals/Joints No Seals/Joints No Seals/Joints No Seals/Joints No Seals/Joints No Seals/Joints No No Seals/Joints No	V43	Penetrations	N/A		No	
V46 Seals/Joints N/A No V51 Relief Devices Other (Please explain) Concern No SERVICED 06/2010 - PSV SERVICE IS PAST DUE. V52 Corrosion Accept No V53 Leaks N/A No	V44	Insulation Jacket	N/A		No	
V51 Relief Devices Other (Please explain) Concern No SERVICED 06/2010 - PSV SERVICE IS PAST DUE. V52 Corrosion Accept No V53 Leaks N/A No	V45	Banding	N/A		No	
V52 Corrosion Accept No V53 Leaks N/A No	V46	Seals/Joints	N/A		No	
V53 Leaks N/A No	V51	Relief Devices Other (Please explain)	Concern		No	SERVICED 06/2010 - PSV SERVICE IS PAST DUE.
	V52	Corrosion	Accept		No	
V54 Restricted Inlet/Outlet Accept No	V53	Leaks	N/A		No	
	V54	Restricted Inlet/Outlet	Accept		No	



	LSD	: 06-25-046-0	03W4 Date:	2015-01-2	0 SAP Equipment ID	62045563	
V55	Manual Operation Lever	N/A	_	No			

DETAILED INSPECTION OTHER TECHNIQUES

ID	Location	Observation/Measurement	Acceptance Criteria	NCR	Comments

DETAILED INSPECTION UT THICKNESS

	CML	Nom. Thickness (mm)	CURRENT READINGS (mm)	short term corr rate (mm/y)	long term corr rate (mm/y)	remaining life (year)	Survey Date	Comments
10	(SHELL) 9.53 mm	0.00	8.38	0.0000	0.0000	198.0	2015/01/20	NO COMMENTS within C/A
15	(SHELL) 9.53 mm	0.00	8.92	0.0000	0.0000	198.0	2015/01/20	NO COMMENTS within C/A
20	(SHELL) 9.53 mm	0.00	9.30	0.0000	0.0000	198.0	2015/01/20	NO COMMENTS within C/A
25	(SHELL) 9.53 mm	0.00	9.17	0.0000	0.0000	198.0	2015/01/20	NO COMMENTS within C/A
30	(HEAD) 8.3 mm	0.00	9.32	0.0000	0.0000	198.0	2015/01/20	NO COMMENTS
05	(BAND 3 XS)	7.62	7.14	0.0341	0.0341	192.6	2015/01/20	NO COMMENTS
35	(90L 4 40)	6.02	5.61	0.0287	0.0287	169.8	2015/01/20	NO COMMENTS
40	(BAND 4 XS)	8.56	7.87	0.0484	0.0484	147.3	2015/01/20	NO COMMENTS

Inspected By	Signature	CGSB Level	CGSB No.	Survey Date	UT Equip	Due Date OF Calibration	NDE Procedure No.
Justin Orichowski	J. O	1	16325	01/20/2015	104_91638503_EPOCH4	06/17/2015	WQS UT-001



LSD: 06-25-046-03W4

Date: 2015-01-20 **SAP Equipment ID** 62045563

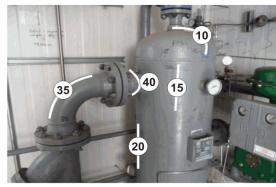


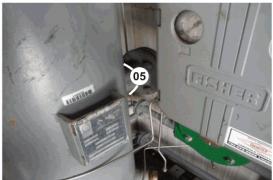
Client:

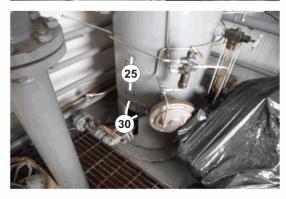
HUSKY ENERGY

EXAMINATION ILLUSTRATION

DISTRICT:	AB- SOUTH	FACILITY:	RIVERCOURSE	LOCATION/LSD:	06-25-046-03W4
EQUIP NAME:	SCRUBBER			PROV REG No.:	A#0545993
SERIAL No.:	0196404	Equip No.:	62045563	National Board No.:	









Client:

HUSKY ENERGY

PHOTOGRAPHS

EQUIP NAME:	SCRUBBER			PROV REG No.:	A#0545993
SERIAL No.:	0196404	Equip No.:	62045563	National Board No.:	



NAMEPLATE







NOTES:		
NOTES:		