

		<b>LSD:</b> 06	-25-046-03	3W4	Date: 20	015-01-20	SAP Equip	ment ID	62045575	
			AIR CO	OLED HEAT E	XCHANGE	R STATIC DA	TA			
Plant:	Rivercourse				OP Unit:			System:		
Prov. Insp . #:		NB#	<b>#:</b> 2244		CRN:	<del>M-5200</del>	<del>23</del>	Equip Tag#:	620	45575
<b>Equipment Descriptior</b>	n: HEAT	EXCHANGER			•		!	Serial #:	015	43-3
Manufacturer:	Air Cooled Exch	nangers					,	Vessel Class:	ACI	HE
Internal Access:	No		De	Description:				Year Built:	200	01
MAWP:	1724	kpa	At	<b>At Temp</b> 112 C				MDMT:		-29 C
Code: N/S			Flu	uid Service:	Sweet:	Sour:	Į i	PWHT:	No	
Dimension				ength: 0	mm <b>(</b> *	Γ/T): mm <b>ο</b> Α	AL: mm	Orientation:	Ver	tical
SHELL	SHELL Mat'l: Unknown SA 516-				0.00	12.7 <sub>mm</sub>		Corr Allowan	ce:	).00 <b>1.6</b> mm
Nozzle Mat'l:				ickness:				Corr Allowan	ce:	
iternal Coating:				ernal Clad: C				Capacity: m3		
ozzle Rating: 300 lb ANSI			Pa	ninted:	Ye	S		Insulated:	No	
			<u>'</u>	PROCESS	DATA		·			
Operating Pressure		kpa	0	Operating Temp: C Status				tus: Sh	ut-In	
				PSV STATI	C DATA					
Tag # Serial I	No. Location		e(mm)	Set Press (kPa)	Capacity Imperial	Manufacture	r	Model	Last Service	Service Company
		Inlet	Outle	et (KFa)	(SCFM)				Service	Company
3415 7907-	20 Piping	25.40	25.4	0 1379	761	Taylor Valve		T-8200-1	2010/06/01	GUEST
				PSV DET	TAILS					
	Туре(1	hread/Flang	e)	AN	SI Rating			Size	e(In/mm)	
PRD Inlet	Thread	led		N	/A			25	5.40	
PRD Outlet	Thread	ded		N	/A			25.40		
			ND	E Equipment	Records					
Procedure #	Procedure # Description			lanufacturer Model#			1	Serial# Due Date		
**** See Associated	•	-		-		•				

#### **INSPECTION SUMMARY**

VESSEL IS FIT FOR SERVICE. PIPING CML SHOWS UT RDG BETWEEN NOM-MIL AND CALC Tmin HOWEVER THE WALL LOSS IS MINOR AND ACCEPTABLE AT TIME OF INSPECTION.

#### **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 cooler.



Assessed Next Inspection Date

2020

### AIR COOLED HEAT EXCHANGER INSPECTION REPORT

		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	TIFICATION				
	certify that inspections/tests h considered fit for service until	ave been completed in accordance wi the date of next inspection.	th the identified inspection strat	tegy and that the			
Inspected by	Justin O	richowski	Cert #	758	Date	2015/01/20	
Reviewed and Approve	d by				Date		
Criticality Assessment R	Rerun	Inspection Plann	ing Rerun				



#### **DETAILED INSPECTION VISUAL EXTERNAL**

10         Description         Condition         Condition         Note         Connection           VI         General Chere (Posse belain)         Accest         8.0 month         ROD (Construction)           VI         General Leaks         1.0 month         1.0 month         NOT (Construction)           VI         Vibration         1.0 month         1.0 month         NOT (Construction)           VI         Ladder/Springery         NA         1.0 month         NO         1.0 month           VI         Ladder/Springery         NA         1.0 month         NO         1.0 month           VI         Ladder/Springery         NA         1.0 month         NO         1.0 month           VIV         Ladder/Springery         NA         1.0 month         NO         1.0 month           VIV         Control Ground         NA         1.0 month         NO         1.0 month           VIV         Control Ground         NA         1.0 month         NO         1.0 month           VIV         Control Ground         NA         1.0 month         NO         1.0 month           VIV         Control Ground         NA         1.0 month         NO         1.0 month           VIV         Sector Gr						
Variety   Control Lords	ID	Description	Condition	Location	NCR	Comments
V3         General Lasias         N/A         No         NOT TO SERVICE           V4         Vibration         N/A         No         No TO SERVICE           V5         Describility Flange Rating         Accept         No         Image: Control of Control o	V1	General Other (Please Explain)	Accept		No	GOOD CONDITION.
Variation	V2	General Corrosion	Accept		No	NO CORROSION OBSERVED.
VS         Dissimilar Flarge Reting         Accept         NO           VS         Ladder/Starway         N/A         NO           VS         Ladder/Starway         N/A         NO           VS         Bechtzick Ground         N/A         NO           VS         Bechtzick Ground         N/A         NO           VII         Cearing/Painting         Accept         NO         NO           VII         Casting/Painting         Accept         NO         NO           VII         Capprision Joint or Bellows         N/A         NO         POTOTO           VII         Capprision Joint or Bellows         N/A         NO         COCID CONDITION.           VII         Capprision Joint or Bellows         N/A         NO         COCID CONDITION.           VII         Capprision Joint or Bellows         N/A         NO         COCID CONDITION.           VII         Support Other (Please explain)         Accept         NO         NO         PRINT IN GOOD CONDITION.           VII         Support Other (Please explain)         Accept         NO         PRINT IN GOOD CONDITION.           VII         Support Other (Please explain)         Accept         NO         PRINT IN GOOD CONDITION.	V3	General Leaks	N/A		No	NOT IN SERVICE.
Variety   Vari	V4	Vibration	N/A		No	NOT IN SERVICE.
March   Marc	V5	Dissimilar Flange Rating	Accept		No	
Petrical Ground	V6	Ladder/Stairway	N/A		No	
VIDER   Painted Inactive Corrosion   NI/A   NO   NO   Paint It GOOD CONDITION.	V7	Heads	N/A		No	
V11         Coating/Painting         Accept         No         PMINT IN GOOD CONDITION.           V12         Expansion Joint or Bellows         N/A         NO         NO           V13         Gauge/Site Glass         N/A         NO         GOOD CONDITION.           V14         Shell         Accept         NO         GOOD CONDITION.           V15         Jacket         N/A         NO         GOOD CONDITION.           V12         Support Other (Please explain)         Accept         NO         PUPING IS WELL SUPPORTED.           V22         Foundation         N/A         NO         NO         NO           V23         Anchor Bolts         N/A         NO         NO         NO           V24         Suddle/Skirt         N/A         NO         NO         NO           V35         Davit         N/A         NO         PUPING CONNECTIONS IN GOOD CONDITION.           V31         Connections Other (Please explain)         Accept         NO         PUPING CONNECTIONS IN GOOD CONDITION.           V33         Rozales         Accept         NO         PUPING CONNECTIONS IN GOOD CONDITION.           V33         Rozales         Accept         NO         PUPING CONNECTIONS IN GOOD CONDITION.	V9	Electrical Ground	N/A		No	
V12         Expansion Joint or Bellows         N/A         NO           V13         Gauge/Site Glass         N/A         NO           V14         Shell         Accept         NO         GOOD CONDITION.           V15         Jacket         N/A         NO         COOD CONDITION.           V21         Support Other (Please explain)         Accept         NO         PPPING IS WELL SUPPORTED.           V21         Foundation         N/A         NO         PPPING IS WELL SUPPORTED.           V22         Foundation         N/A         NO         PPPING IS WELL SUPPORTED.           V23         Anchor Rotts         N/A         NO         PPPING IS WELL SUPPORTED.           V24         Foundation         N/A         NO         PPPING IS WELL SUPPORTED.           V24         Foundation         N/A         NO         PPPING IS WELL SUPPORTED.           V24         Saddle/Skirt         N/A         NO         PPPING IS WELL SUPPORTED.           V24         Saddle/Skirt         N/A         NO         PPPING IS WELL SUPPORTED.           V31         Contraction         N/A         NO         PPPING IS WELL SUPPORTED.           V32         Convill         N/A         NO         PPPING IS WELL SUPPO	V10	Painted Inactive Corrosion	N/A		No	
V13         Gauge/Site Glass         N/A         No         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         N/A         No         Image: Convention of the C	V11	Coating/Painting	Accept		No	PAINT IN GOOD CONDITION.
V14         Shell         Accept         No         GOOD CONDITION.           V15         Jacket         N/A         No         PRING IS WELL SUPPORTED.           V21         Support Other (Please explain)         Accept         No         PRING IS WELL SUPPORTED.           V22         Foundation         N/A         No         No           V23         Anchor Boits         N/A         No           V24         Saddie/Skirt         N/A         No           V25         Davit         N/A         No           V26         Fireproofing         N/A         No           V31         Cornections Other (Please explain)         Accept         No           V31         Cornections Other (Please explain)         Accept         No           V33         Nozzles         Accept         No           V33         Nozzles         Accept         No           V33         Reinforcing Pads         N/A         No           V34         Manways         N/A         No           V33         Bolting         Accept         No           V33         Bolting         Accept         No           V34         Fanges         Accept <t< td=""><td>V12</td><td>Expansion Joint or Bellows</td><td>N/A</td><td></td><td>No</td><td></td></t<>	V12	Expansion Joint or Bellows	N/A		No	
V15	V13	Gauge/Site Glass	N/A		No	
Support Other (Please explain)	V14	Shell	Accept		No	GOOD CONDITION.
No	V15	Jacket	N/A		No	
V23         Anchor Bolts         N/A         NO           V24         Saddle/Skirt         N/A         NO           V25         Davit         N/A         NO           V25         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           V30         Inadequate Thread Engagement         Accept         NO           V30         Inadequate Thread Engagement         Accept         NO           V31         Bolting         Accept         NO           V33         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           V43         Penetrations         N/A	V21	Support Other (Please explain)	Accept		No	PIPING IS WELL SUPPORTED.
V24         Saddle/Skirt         N/A         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           V31         Insulation Other (Please explain)         N/A         NO           V41         Insulation Dacket         N/A         NO           V43         Penetrations         N/A         NO           V43         Penetrations         N/A         NO           V44         Insulation Jacket         N/A         NO           V45         Seals/Joints         N/A <td< td=""><td>V22</td><td>Foundation</td><td>N/A</td><td></td><td>No</td><td></td></td<>	V22	Foundation	N/A		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         Banding         N/A         NO	V23	Anchor Bolts	N/A		No	
V26         Fireproofing         N/A         NO           V31         Connections Other (Please explain)         Accept         No         PIPING CONNECTIONS IN GOOD CONDITION.           V32         Small Branches         Accept         NO         NO           V33         Nozzles         Accept         NO         NO           V34         Manways         N/A         NO         NO           V35         Reinforcing Pads         N/A         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         NO           V39         Leak Clamps         N/A         NO         NO           V41         Insulation Other (Please explain)         N/A         NO         NO           V42         Damage         N/A         NO         NO           V44         Insulation Jacket         N/A         NO         NO           V45         Banding         N/A         NO         NO           V46         Seals/Joints <td>V24</td> <td>Saddle/Skirt</td> <td>N/A</td> <td></td> <td>No</td> <td></td>	V24	Saddle/Skirt	N/A		No	
V31         Connections Other (Please explain)         Accept         No         PIPING CONNECTIONS IN GOOD CONDITION.           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           V44         Insulation Jacket         N/A         No           V44         Seals/Joints         N/A         No           V51         Relief Devices Other (Please explain)         Concern         No           V52         Corrosion         Accept         No <tr< td=""><td>V25</td><td>Davit</td><td>N/A</td><td></td><td>No</td><td></td></tr<>	V25	Davit	N/A		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         ADEQUATE THREAD ENGAGEMENT OBSERVED.           V37         Bolting         Accept         No         ADEQUATE THREAD ENGAGEMENT OBSERVED.           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           V51         Relief Devices Other (Please explain)         Concern	V26	Fireproofing	N/A		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           V45         Banding         N/A         No           V45         Seals/Joints         N/A         No           V51         Relief Devices Other (Please explain)         Concern         No         SERVICED 06/2010 - PSV SERVICE IS PAST DUE.           V52 </td <td>V31</td> <td>Connections Other (Please explain)</td> <td>Accept</td> <td></td> <td>No</td> <td>PIPING CONNECTIONS IN GOOD CONDITION.</td>	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         Fianges         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         ServiceD 06/2010 - PSV SERVICE IS PAST DUE.           V52         Corrosion         Accept         No         No         No           V53         Leaks         N/A         No         No         No	V32	Small Branches	Accept		No	
V35         Reinforcing Pads         N/A         No           V36         Inadequate Thread Engagement         Accept         No         ADEQUATE THREAD ENGAGEMENT OBSERVED.           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           V45         Banding         N/A         No           V51         Relief Devices Other (Please explain)         Concern         No           V52         Corrosion         Accept         No           V53         Leaks         N/A         No           V54         Restricted Inlet/Outlet         Accept         No	V33	Nozzles	Accept		No	
V36 Inadequate Thread Engagement Accept No ADEQUATE THREAD ENGAGEMENT OBSERVED.  V37 Bolting Accept No	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           V52         Corrosion         Accept         No           V53         Leaks         N/A         No           V54         Restricted Inlet/Outlet         Accept         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         NoT IN SERVICE.           V54         Restricted Inlet/Outlet         Accept         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         NOT IN SERVICE.           V54         Restricted Inlet/Outlet         Accept         No	V37	Bolting	Accept		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           V54         Restricted Inlet/Outlet         Accept         No	V38	Flanges	Accept		No	
V42DamageN/ANoV43PenetrationsN/ANoV44Insulation JacketN/ANoV45BandingN/ANoV46Seals/JointsN/ANoV51Relief Devices Other (Please explain)ConcernNoSERVICED 06/2010 - PSV SERVICE IS PAST DUE.V52CorrosionAcceptNoV53LeaksN/ANoNOT IN SERVICE.V54Restricted Inlet/OutletAcceptNo	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/ANoNOT IN SERVICE.V54Restricted Inlet/OutletAcceptNo	V41	Insulation Other (Please explain)	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       NOT IN SERVICE.         V54       Restricted Inlet/Outlet       Accept       No	V42	Damage	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         V53       Leaks       N/A       No       NOT IN SERVICE.         V54       Restricted Inlet/Outlet       Accept       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     NOT IN SERVICE.       V54     Restricted Inlet/Outlet     Accept     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  No  No  No  No  No  No  No  No  N	V45	Banding	N/A		No	
V52         Corrosion         Accept         No           V53         Leaks         N/A         No         NOT IN SERVICE.           V54         Restricted Inlet/Outlet         Accept         No	V46	Seals/Joints	N/A		No	
V53 Leaks N/A No NOT IN SERVICE.  V54 Restricted Inlet/Outlet Accept No	V51	Relief Devices Other (Please explain)	Concern		No	SERVICED 06/2010 - PSV SERVICE IS PAST DUE.
V54 Restricted Inlet/Outlet Accept No	V52	Corrosion	Accept		No	
	V53	Leaks	N/A		No	NOT IN SERVICE.
V55 Manual Operation Lever N/A No	V54	Restricted Inlet/Outlet	Accept		No	
<u> </u>	V55	Manual Operation Lever	N/A		No	



#### **DETAILED INSPECTION OTHER TECHNIQUES**

ID	Location	Observation/Measurement	Acceptance Criteria	NCR	Comments

#### **DETAILED INSPECTION TUBE INSPECTION**

Tube #	Flaw Type	Flaw Length	Location on Tube	Wall Loss	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
05	(SHELL) 12.7 mm	0.00	12.75	0.0000	0.0000	198.0	2015/01/20	NO COMMENTS
10	(SHELL) 12.7 mm	0.00	12.65	0.0000	0.0000	198.0	2015/01/20	NO COMMENTS within C/A

15	(90L 2 XS)	5.54	4.62	0.0645	0.0645	65.8	2015/01/20	LOW RDG IS BETWEEN NOM-CA AND Tmin
20	(90L 2 XS)	5.54	4.93	0.0430	0.0430	105.8	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	12	1	16325	01/20/2015	104_91638503_EPOCH4	06/17/2015	WQS UT-001



62045575



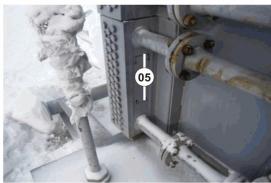
Client:

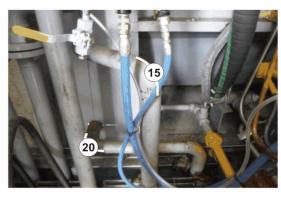
**HUSKY ENERGY** 

#### **EXAMINATION ILLUSTRATION**

DISTRICT:	AB- SOUTH	FACILITY:	RIVERCOURSE	LOCATION/LSD:	06-25-046-03W4
EQUIP NAME:	HEAT EXCHANGER			PROV REG No.:	
SERIAL No.:	01543-3	Equip No.:	62045575	National Board No.:	







notes:			



## Client:

# **HUSKY ENERGY**

# **PHOTOGRAPHS**

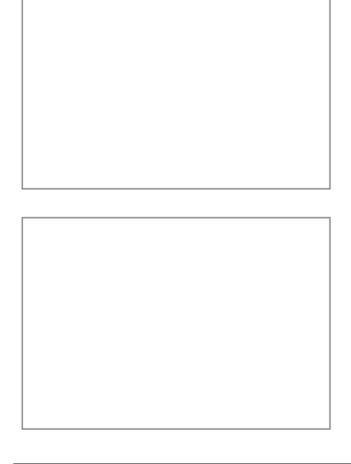
EQUIP NAME:	HEAT EXCHANGER			PROV REG No.:	
SERIAL No.:	01543-3	Equip No.:	62045575	National Board No.:	



NAMEPLATE



**OVERAL** 



NOTES:			