		DT		INSPECTION MMARY	Inspect Date: Page:	CA0414-VIS-58 4-Jan-17 1 of 9 CGE1700006
Client: CHEVR Facility: c-11- Jurisdiction #: A02850 CRN #: P2157 Manufacturer: Propak System	J Ui 078 Ec .21	nit / Skid #: quip Tag #: Nat'l Bd #:	N/A	Se	LSD: <u>C-11</u> rial #: <u>00</u>	
Status: In Service - MAWP Shell: 2000 Psi MAWP Tube: MDMT: -20 °F Support Type: Skirt C.A.:	@ 151 @	Date Remo °F Height/Le Size/Diam Vo	oved F <u>rom Servic</u> ength: eter.: lume:		Insulatec PWHT Manway	$\begin{array}{c c} & & & \\ & & \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ $
Component - Shell Top - Head	Mate SA-51	erial 6-70N 6-70N	Nominal Thk 2.750 in. 2.650 in.	Diameter OD/		Shell Side
Bottom - Head		6-70N	2.650 in.			
Comments: See manufacturers data sheet for a Tag number on data plate is incorr						
PSV Static Data						
PSV –1 Tag #: MVS #344	0	Serial #: 4340)13-1-DX	CRN	I: 0G2369.5C	
Model #: 38JC14-12		Capacity: 3599		Set Pressure		
Manufacturer: Farris				Service Company		
Inlet Size & Type: 2.00	in Flanged			Last Service Date		
Outlet Size & Type: 3.00	-	-	E	Block Valve:		
Carseal Intact: Yes	0	-		Code Stamp		
Shell Side / Tube Side: S	hell Side	-		Location of PS	: On vessel	
PSV –2 Tag #: N/A		Serial #: N/A		CRN	I: N/A	
Model #: N/A		Capacity: N/A		Set Pressure		
Manufacturer: N/A				Service Company		
Inlet Size & Type:	-			Last Service Date		
Outlet Size & Type:	-	_	E	Block Valve: -	-	
Carseal Intact: N/A		_		Code Stamp	-	
Shell Side / Tube Side:		_		Location of PS	/: <u>N/A</u>	
PSV Comments						
PSV set pressure is below the MA	WP of the vessel.					
Pilot type PSV.						
PSV vents to flare.						
5311 - 86 Street, Edmonton, Alberta T6E 5T8 Pl	none: (780) 437-2022	fax: (780) 436-4873				
Calgary (403) 279-6121 Lloydminster (780) 875-6455 Barrhead (780) 674-3018 Nisku (780) 955-7616		Cold Lake Fort McMurray Red Deer	(780) 826-6105 (780) 743-1536 (403) 347-1742 wirisndt.com		Engineering, Calgary Engineering, Edmonton Rope Access Services Offices also located in L	(403) 217-9684 (780) 437-2022 (780) 437-2022



VESSEL INSPECTION SUMMARY

Report #: Inspect Date: Page: IRISNDT #:

CA0414-VIS-58 4-Jan-17 2 of 9 CGE1700006

xternal Inspection Results - Item	HEV	RON						
ltem				LSD:	C-11-J/94-O-5	Jurisdiction	#: <u>AC</u>	0285078
		Exter	nal Ins	spection Pe	rformed			
	Y	Ν	N/A	Condition	Comment	NCR	Action Item	Priority
Nameplate	\boxtimes			Accept	Wrong Tag No.			0
	\boxtimes		$\overline{\Box}$	Accept	Skirt, bolted to skid			
Anchor Bolts	\boxtimes			Accept	Installed, tight			
Grounding	\boxtimes			Accept	Indirect grounding			
Insulation Condition		\boxtimes			Not insulated			
PSV	\boxtimes			Accept	Set pressure adequate			
Shell & Heads	\boxtimes			Accept	No damage/deformation			
Metal Surfaces (Paint)	\boxtimes			Accept	Painted			
Aux Equipment	\boxtimes			Accept	No issues observed			
Cathodic Protection			\square					
Alignment	\boxtimes			Accept	Acceptable, vertical			
Flange Connections	\boxtimes			Accept	Bolts, gaskets installed			
Pressure Gauge	\square			Accept	Clear, legible			
Piping from Vessel	\square			Accept	Adequately supported			
Temperature Gauge		\boxtimes			None fitted			
Sight Glass	\boxtimes			Accept	No issues observed			
Leaks		\boxtimes			No evidence of leaks			
Current UT Survey		\boxtimes			No readings taken at this time		Company: N/A	
Previous UT Survey	\boxtimes				Reviewed	UT	Company: IRI	SNDT
ternal Visual Observations					Manual Review Requi	-	ullel Replese	italive - fes
			-	-	top two thirds is located above the del a platform attachment clip. See photos	-		
				-				
E-503 Gas/Glycol jacket exchanger is located on the outlet piping above the dehy roof.								
	There are piping entry/exit points in the building wall that are not adequately sealed from the elements. See photos.							
There are piping entry/exit poir								
	ime. \	Vesse	is not a	due for UT in	spection. Previous UT readings have t			
	ime. \	Vesse	is not (due for UT in				
	ime. \	Vesse	is not (due for UT in				
	ime. \	Vesse	is not (due for UT in				
	ime. \	Vesse	is not (due for UT in				
	ime. \	Vesse	is not (due for UT in				
	ime. \	Vesse	is not (due for UT in				
	ime. V	Vesse	is not	due for UT in				
	ime. \	Vesse	is not	due for UT in				
	ime. \	Vesse	is not o	due for UT in				
	ime. \	vesse	is not o	due for UT in				
	ime. \	Vesse	is not (due for UT in				
	ime. \	Vesse	is not o	due for UT in				
	ime. \	Vesse	is not o	due for UT in				
No UT data was taken at this ti					spection. Previous UT readings have h			
	578 Ph			2022 fax: (780) 4 Cold L	spection. Previous UT readings have b			



Report #: CA Inspect Date: Page: IRISNDT #: C

CA0414-VIS-58 4-Jan-17 3 of 9 CGE1700006

					INIGNOT #.	001700000
Client:	CHEVRON	N LS	SD: C-11-J/94-	O-5 Jurisdict	tion #: AC	285078
ternal Inspection Results	- VI N/A (Not Applicable)				
Item	Y N	N/A Conditio	n Commei	nt NCR	Action Item	Priority
Shell		\boxtimes				
Heads		\square				
Manway		\boxtimes				
Gasket Surfaces		\boxtimes				
Welds						
Refractory		\boxtimes				
Heating Coils Demister Pad						
Vane Pack						
Baffles						
Trays						
Filter		\square				
Internal Coating						
Tubesheet						
Tube Bundle						
Priority 0 - General Reco Priority 1 - Goal date is 3 Priority 2 - Goal date is 9	0 days from	n the activity date	e. Priority	y 3 - Goal date is 1 Year y 4 - Goal date is 5 Years		
ernal Visual Observation	s		Manual R	eview Required By Cus	tomer Represent	ative - No

			<mark>זר</mark> י	ESSEL INSPE SUMMAR		Report #: Inspect Date: Page: IRISNDT #:	CA0414-VIS-58 4-Jan-17 4 of 9 CGE1700006
Clier	t: CHEVRON	LSD:	C-11-J	/94-O-5	Jurisdictio	on #: A0	285078
Additional Attach			Atta Specify	ached to Vessel Insp N/A			
NDE Performed:		РТ 🗌 ЕТ 🗌	RT 🗌	OTHER			
-		rational Action Iten	n Yes	Repair Action Item	No	Deferred Action	n Item No
Action Items / R	ecommendations:						
Replace missing	bolt on platform to shell at	tachment clip.					
Consider stampi	ng correct tag number on d	ata plate.					
	wall to pipe interface with						
Maintain inspect	ion intervals to ensure safe	operation.					
A ationa Carra	ted at Time of Increation						
Actions Correc	ted at Time of Inspectio	 (If actions were corr 	rected at the time	of Inspection – note the co	prrected action	ns here.)	
No corrective act	tions taken at this time.						
Meets Code C	riteria: - Ves		Re	e-Inspection Require	d - No		
	Inspection Intervals:	Jan - 2017	Interrel	(lan 2020
VE Inspect. VI Inspect.	Last Inspection: Last Inspection:	Jan - 2017	Interval Interval	. ,		Vext Inspection:	
UT Inspect.	Last Inspection:		Interval			Vext Inspection:	
PSV Service	Last Inspection:	Sep - 2015	Interval			Vext Inspection:	
	-	000 2010	1		ľ	ext inspection.	000 2010
Unit #: 898 In: 00:00	Kilometers: N/A Out: 00:00	Hrs:	Consumables N/A	Inspector N	latthew Mack	av ise	PVI: 748
In: 00:00		Hrs:	-		(Print)		VI. <u>740</u>
	atthew Mackay			The the	1	API5	10: 52235
	·····			Client Repres	(Sign)	\bigcirc	
P.O.# / W.O.#/AFE #:	c-11-J T-500	Contactor		l am in full	(Print	i)	
				agreement with report contents)	
						·/	
Calgary	nton, Alberta T6E 5T8 Phone: (78 (403) 279-6121	Cold Lak	.e (7	80) 826-6105		Engineering, Calgary	(403) 217-9684
Lloydminster Barrhead	(780) 875-6455 (780) 674-3018	Fort McN Red Dee		80) 743-1536 03) 347-1742		Engineering, Edmonto Rope Access Services	
Nisku	(780) 955-7616		www.irisndt.c	om		Offices also located in	USA and UK



Equipment Photographs:





01 - T-500 GLYCOL CONTACTOR - DATA PLATE	02 - T-500 GLYCOL CONTACTOR - DATA PLATE



03 - T-500 GLYCOL CONTACTOR - STICKER



04 - T-500 GLYCOL CONTACTOR - OVERVIEW

5311 - 86 Street, Edmonton, Alberta T6E 5T8 Phone: (780) 437-2022 fax: (780) 436-4873								
Calgary	(403) 279-6121	Cold Lake	(780) 826-6105	Engineering, Calgary	(403) 217-9684			
Lloydminster	(780) 875-6455	Fort McMurray	(780) 743-1536	Engineering, Edmonton	(780) 437-2022			
Barrhead	(780) 674-3018	Red Deer	(403) 347-1742	Rope Access Services	(780) 437-2022			
Nisku	(780) 955-7616	www	www.irisndt.com		and UK			



Report #: Inspect Date: Page: IRISNDT #:

CA0414-VIS-58 4-Jan-17 6 of 9 CGE1700006



05 - T-500 GLYCOL CONTACTOR - OVERVIEW



06 - T-500 GLYCOL CONTACTOR - MANWAY





07 - T-500 GLYCOL CONTACTOR - ANCHOR BOLTS

08 - T-500 GLYCOL CONTACTOR - PRESSURE GAUGE

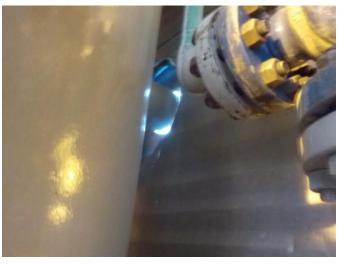
5311 - 86 Street, Edr	5311 - 86 Street, Edmonton, Alberta T6E 5T8 Phone: (780) 437-2022 fax: (780) 436-4873								
Calgary	(403) 279-6121	Cold Lake	(780) 826-6105	Engineering, Calgary	(403) 217-9684				
Lloydminster	(780) 875-6455	Fort McMurray	(780) 743-1536	Engineering, Edmonton	(780) 437-2022				
Barrhead	(780) 674-3018	Red Deer	(403) 347-1742	Rope Access Services	(780) 437-2022				
Nisku	(780) 955-7616	www.irisndt.com		Offices also located in USA	and UK				



Report #: CA Inspect Date: Page: IRISNDT #: C

# :	CA0414-VIS-58
e:	4-Jan-17
e:	7 of 9
# :	CGE1700006





09 - T-500 GLYCOL CONTACTOR - PRESSURE GAUGE

10 - T-500 GLYCOL CONTACTOR - INLET PIPING WALL NOT SEALED





11 - T-500 GLYCOL CONTACTOR - GLYCOL PIPING ROOK NOT SEALED

12 - T-500 GLYCOL CONTACTOR - ONE BOLT MISSING FROM PLATFORM BASE ATTACHMENTS

5311 - 86 Street, Edmonton	, Alberta T6E 5T8 Phone: (780) 437-2022 fax	:: (780) 436-4873			
Calgary	(403) 279-6121	Cold Lake	(780) 826-6105	Engineering, Calgary	(403) 217-9684
Lloydminster	(780) 875-6455	Fort McMurray	(780) 743-1536	Engineering, Edmonton	(780) 437-2022
Barrhead	(780) 674-3018	Red Deer	(403) 347-1742	Rope Access Services	(780) 437-2022
Nisku	(780) 955-7616	www.irisndt.com		Offices also located in USA and UK	

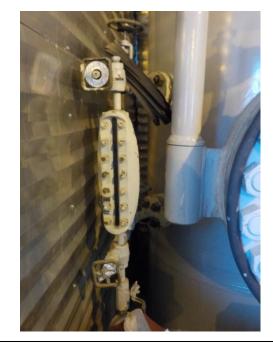


Report #: Inspect Date: Page: IRISNDT #:

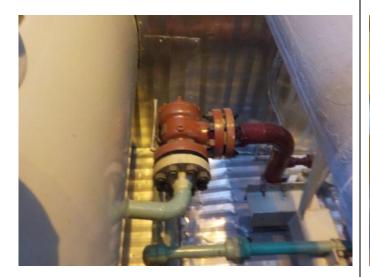
#: CA0414-VIS-58 e: 4-Jan-17 e: 8 of 9 #: CGE1700006



13 - T-500 GLYCOL CONTACTOR - E-503 GAS_GLYCOL EXCHANGER



14 - T-500 GLYCOL CONTACTOR - SIGHT GLASS





15 - T-500 GLYCOL CONTACTOR - PSV

16 - T-500 GLYCOL CONTACTOR - PSV PLATE

5311 - 86 Street, Edu	5311 - 86 Street, Edmonton, Alberta T6E 5T8 Phone: (780) 437-2022 fax: (780) 436-4873								
Calgary	(403) 279-6121	Cold Lake	(780) 826-6105	Engineering, Calgary	(403) 217-9684				
Lloydminster	(780) 875-6455	Fort McMurray	(780) 743-1536	Engineering, Edmonton	(780) 437-2022				
Barrhead	(780) 674-3018	Red Deer	(403) 347-1742	Rope Access Services	(780) 437-2022				
Nisku	(780) 955-7616	www.irisndt.com		Offices also located in USA a	and UK				







17 - T-500 GLYCOL CONTACTOR - PSV PILOT	18 - T-500 GLYCOL CONTACTOR - PSV TAG
<image/>	

5311 - 86 Street, Edu	5311 - 86 Street, Edmonton, Alberta T6E 5T8 Phone: (780) 437-2022 fax: (780) 436-4873								
Calgary	(403) 279-6121	Cold Lake	(780) 826-6105	Engineering, Calgary	(403) 217-9684				
Lloydminster	(780) 875-6455	Fort McMurray	(780) 743-1536	Engineering, Edmonton	(780) 437-2022				
Barrhead	(780) 674-3018	Red Deer	(403) 347-1742	Rope Access Services	(780) 437-2022				
Nisku	(780) 955-7616	www	www.irisndt.com		and UK				