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PROJECT DESCRIPTION

ONE (1) CONDENSATE STABILIZER PACKAGE
FOR: DEVON CANADA CORPORATION
LOCATION NAME: FERRIER
LSD: 11-02-39-08 W5M

FABRICATED BY:

ENERFLEX LTD.
CALGARY, ALBERTA, CANADA

TANK CAPACITIES

WASTE OIL STORAGE TANK: 189 LITERS
CYLINDER/COMPRESSOR OIL DAYTANK: 212 LITERS

DESIGN CRITERIA & APPLICABLE CODES

SITE ELEVATION:	1030m ABOVE MEAN SEA LEVEL
BAROMETRIC PRESSURE:	89.6 KPAA
AMBIENT TEMPERATURE:	MAXIMUM 40°C MINIMUM -40°C
WIND SPEED:	MAXIMUM 145 KMPH
SEISMIC	ZONE A
PROCESS INLET:	DESIGN 1689 KPAG @ 121°C
PROCESS FINAL DISCHARGE:	DESIGN 2068 KPAG @ 121°C
INSTRUMENT AIR:	MINIMUM PRESSURE 550 KPAG MAXIMUM PRESSURE 910 KPAG
APPLICABLE CODE:	CARBON STEEL PIPE FOR INSTRUMENT AIR HEADER (PIPE CLASS AU13) CODE PIPING B31.3 - 2010 NON-CODE PIPING EFX C01, 1mm CA; FULL PEN. WELD ON COUPLING VESSEL ASME SECTION VIII EXCHANGER ASME SECTION VIII STRUCTURAL CWB ELECTRICAL CSA VESSEL AB MISCELLANEOUS: GASKETS CGI TYPE, FLEXITALLIC FLEXICARB, SPIRAL WOUND, 316 WINDINGS AND INNER RING STUDS - SA-193-B7, NUTS - SA-194-2H
REGISTRATION:	BOLTING
MISCELLANEOUS:	PROCESS PIPE UTILITY PIPE FLANGES
ELECTRICAL:	RAISED FACE (UNLESS OTHERWISE NOTED) RIGID ALUMINUM CONDUIT; CABLE TRAY FOR MOTOR 575 VAC POWER SUPPLY
SUITABLE FOR USE IN:	CLASS 1, ZONE 2, GROUP IIA, T3

POWER REQUIREMENTS

CONTROL PANEL	VOL: 24 VDC	AMPS: NOM: 4.0 MAX: 10
FIRE DETECTION:	VOL: 24 VDC	AMPS: NOM: 0.1 MAX: 0.3
LEL DETECTION:	VOL: 24 VDC	AMPS: NOM: 0.1 MAX: 0.3
INT. LIGHTS:	VOL: 120 VAC	AMPS: NOM: 0.2 MAX: 0.5
EXT. LIGHTS:	VOL: 120 VAC	AMPS: NOM: 0.2 MAX: 0.5
COMPRESSOR COOLER FAN MOTOR:	VOL: 575 VAC/3 PH/60HZ	0.373 kW (0.5 HP)
COMP. PRELUBE/LUBE OIL PUMP MOTOR:	VOL: 575 VAC/3 PH/60HZ	1.12 kW (1.5 HP)
BUILDING FAN MOTORS (2):	VOL: 575 VAC/3 PH/60HZ	0.373 kW (0.5HP)
AIR COOLED FAN MOTOR (1):	VOL: 575 VAC/3 PH/60HZ	5.6 kW (7.5 HP)
BUILDING HEATER MOTOR (2):	VOL: 575 VAC/3 PH/60HZ	0.373 kW (0.5 HP)
COMPRESSOR MOTOR:	VOL: 575 VAC/3 PH/60HZ	27 kW (40HP)

SYSTEM CONSUMABLES

COMPRESSOR CRANKCASE LUBE OIL: SAE 40, LOW ASH
COMPRESSOR CYLINDER LUBE OIL: SAE 40, LOW ASH

DESIGN SPECIFICATION:

ENERFLEX LTD. (EFX) SCOPE OF SUPPLY ON THIS PROJECT CONSISTS OF ONE SKIDDED STABILIZER PACKAGE.

PACKAGE CONSISTS OF:

- ONE (1) STABILIZER PACKAGE INCLUDING:
FEED DRUM, FEED BOTTOM EXCHANGER, TOWER, REBOILER AND PRODUCT COOLER.
- ONE (1) RECYCLE COMPRESSOR INCLUDING:
ONE (1) ARIEL COMPRESSOR: MODEL JGP/1, ONE (1) BALDOR ELECTRIC MOTOR: 40HP, SUCTION SCRUBBER, COALESCING FILTER AND PROCESS GAS COOLER.

PRIMER: -SSPC-SP6/NACE NO. 3, EPOXY

PAINT: -SSPC-SP6/NACE NO. 3 ALIFATIC URETHANE, COLOR: GRAY/BLUE OEM, ENGINE, COMPRESSOR, CONTROL VALVES

PROCESS PIPING: -10% RADIOGRAPHIC TESTING
-1.6mm (1/16") CORROSION ALLOWANCE
-NO PWHT
-SSPC-SP6
-NO PICKLING
-OILED AFTER HYDRO

VESSELS: -10% RADIOGRAPHIC TESTING - RT2
-1.6mm (1/16") CORROSION ALLOWANCE
-NO PWHT
-SSPC-SP6
-NO PICKLING
-OILED AFTER HYDRO

PROCESS	
TUBING SPECIFICATION	DL74
TUBING MATERIAL	316SS
FITTING MATERIAL	316SS C/W SS FRONT AND BACK FERRULE
TUBING TRAYS	-
OD	MINIMUM WALL THICKNESS*
1/4"	0.035"
3/8"	0.035"
1/2"	0.049"
3/4"	0.065"
1"	0.083"
SPECIAL REQUIREMENT(S):	
UTILITY	
TUBING SPECIFICATION	DL74
TUBING MATERIAL	316SS
FITTING MATERIAL	316SS C/W SS FRONT & BACK FERRULE
TUBING TRAYS	-
OD	MINIMUM WALL THICKNESS*
1/4"	0.035"
3/8"	0.035"
1/2"	0.049"
3/4"	0.065"
1"	0.083"
SPECIAL REQUIREMENT(S):	

**FINAL
AS BUILT**
NAME T.WELSH DATE MAY 22/14

						DATE	MAY 15/13		SCALE	NTS		DEVON CANADA CORPORATION FERRIER CENTRAL PROCESSING FACILITY CONDENSATE STABILIZER	ENERFLEX Calgary, Alberta, Canada	P & I DIAGRAM PROCESS GAS COOLER/DISCH. COALESCER					
2	AS BUILT		MAY 23/14	TW	SG	DRAWN BY	CHECKED BY	APPROVED BY											
1	ISSUED FOR CONSTRUCTION		OCT 25/13	CS	SG	C.SMITH	S.GURI	B.MINSHULL											
0	ISSUED FOR CONSTRUCTION		OCT 24/13	CS	SG	PROJECT MANAGER		PROJECT ENGINEER											
B	ISSUED FOR HAZOP		AUG 06/13	AT	SG	B.MINSHULL		S.GURI											
A	ISSUED FOR APPROVAL		JUN 06/13	CS	SG	CUST PO		4100001327											
REV	DESCRIPTION		DATE	BY	APR	APEGGA PERMIT No:		P8651	OPER. CODE	WORK ORDER		12632-01	DWG NO	12632-099		SHT	1	REV	2