

V-100 SEPARATOR V-300 FUEL GAS SCRUBBER

SIZE: 72" ID x 10'-0" S/S

MAWP: 700PSIG @ 100°F

MDMT: -50°F

MFG: E AND D PIPE AND PROCESS EQP

S/N: CFAS026909.35

CRN: 0G0201.2

A #: 0474462

SIZE: 6" x 36" S/S

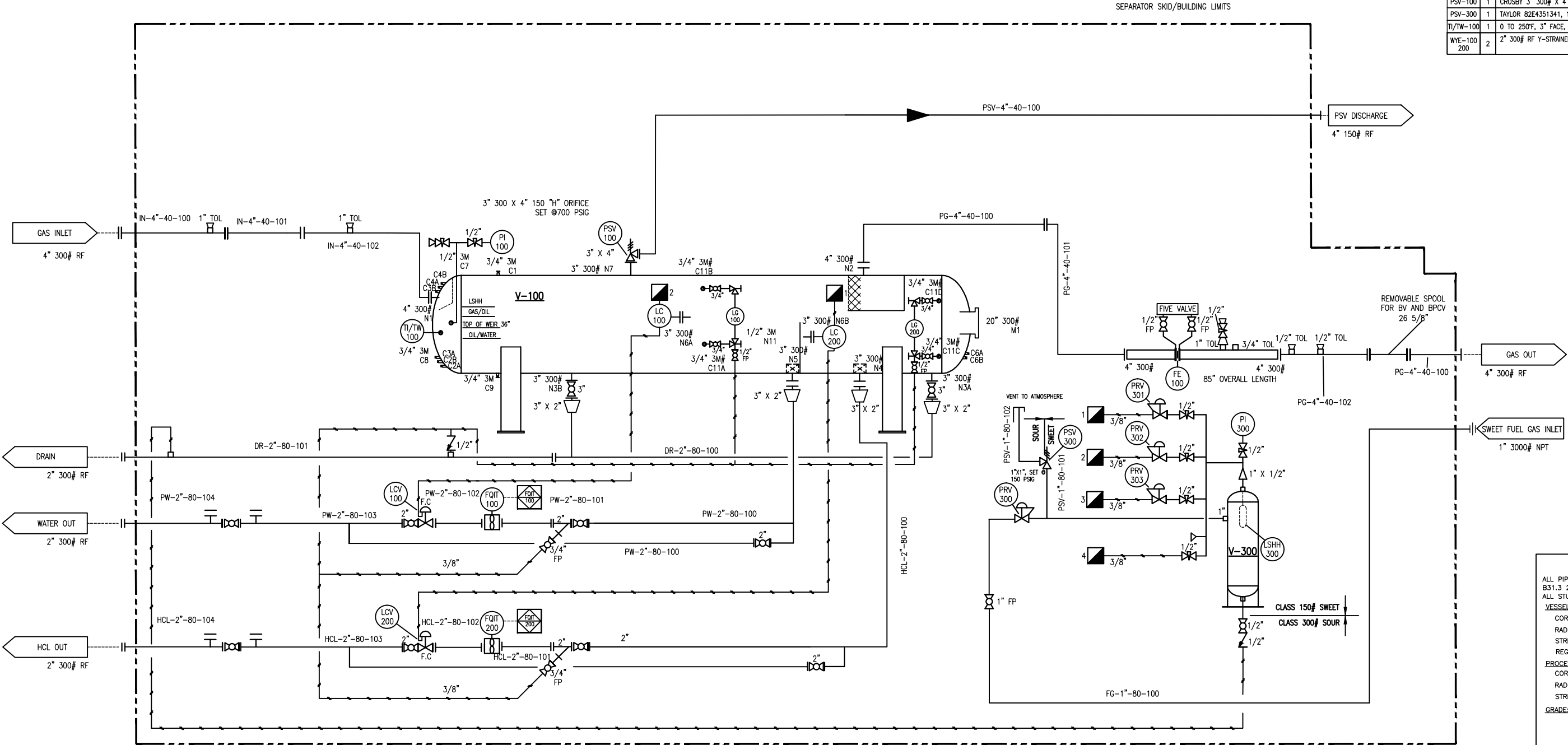
MAWP: 150 PSIG @ 650°F

MFG: LO-TECH MANUFACTURING

S/N: TBD

CRN: TBD

VALVES				BILL OF MATERIALS		
				ITEM	QTY	DESCRIPTION
FBV2FP	2	3" 300# RF WKM REG. PORT BALL VALVE, NACE		FE-100	1	4" 300# RF SOUR, SR, NACE TRIM, DANIEL 14.3/ 2000 M RUN w/ 1" & 3/4" TOL'S ON DSTREAM RUN, CPA TBR FLOW COND. 316 ORIFICE, REMAN
FBV2RP	8	2" 300# RF WKM REG. PORT BALL VALVE, NACE		FOIT-100	2	FLOW METER, TURBINES INC. WAFER STYLE, 2"-580 300# CONNECTION, 2" METER,C/W BAT/RT TOTALIZER PVC. W/ 4-20mA PULSE OUTPUT
TBV1FP	1	1" NPT WKM 3M FP BALL VALVE, NACE		LG-100	1	LEVEL GAUGE, PENBERTHY TRANSPARENT 1TMS, 6.875" VISIBLE LENGTH C/W MODEL 330J GAUGE VALVE, 3/4" NPT, SOUR SERVICE
TBV075FP	6	3/4" NPT WKM 3M FP BALL VALVE, NACE		LG-200	1	LEVEL GAUGE, PENBERTHY REFLEX 1RM5, 6.875" VISIBLE LENGTH C/W MODEL 330J GAUGE VALVE, 3/4" NPT, SOUR SERVICE
TBV050FP	8	1/2" NPT WKM 3M FP BALL VALVE, NACE		LCV-100	2	FISHER , 2" 300#, D3 1" TRIM, LOC STEEL, 17-4PH PLUG, EASY-DRIVE ACTUATOR, FAIL CLOSED, 24 VDC 0 TO 35 PSI RANGE
TBV050SS	9	1/2" NPT TYCO 6M NEEDLE VALVE, SS, NACE		LC-100	2	FISHER L2, 2" NPT, SNAPACTING, BACK MOUNT w/ #1 7/8" X 12 5/8" LG VERTICAL DISPLACER, LOW BLEED
TBV050SS	3	1/2" NPT SWAGelok 6M CHECK VALVE		PI-100	1	WINTER, 0-1000 PSI, 4-1/2" FACE, 1/2" NPT, BOT. MOUNT, LIQ. FILLED
				PI-300	1	WINTER, 0-200 PSI, 4-1/2" FACE, 1/2" NPT, BOT. MOUNT, LIQ. FILLED
				PRV-300	1	FISHER 627, 1" NPT, 70-150 PSI RANGE,1500 PSI BODY, 1/4" TRIM
				PRV-301	3	FISHER 67CFR, 1/4" NPT, 0-30 PSI SPRING RANGE, C/W WINTERS 0 - 50 PSI PRESSURE GAUGE 2.5" FACE, 1/4" CBM CONN.
				PSV-100	1	CROSBY 3" 300# X 4" 150# , K ORIFICE, SET AT 700 PSI NACE
				PSV-300	1	TAYLOR 82E4351341, 1" X 1" NPT, "E" ORIFICE, SET AT 150 PSI NACE
				TI/TW-100	1	0 TO 250°F, 3" FACE, 6" STEM, C/W 1/2" X 3/4" S/S THERMOWELL
				WYE-100	2	2" 300# RF Y-STRAINER, NPT DRAIN, NACE



DESIGN DATA	
ALL PIPING DESIGN IN ACCORDANCE WITH B31.3 2012 NORMAL FLUID SERVICE	
ALL STUDS TO BE B7M, WITH 2HM NUTS	
VESSEL:	
CORROSION ALLOWANCE:	○ 1/16" ● 1/8"
RADIOGRAPHY:	○ RT-1 ○ RT-2
STRESS RELIEVE:	● YES ○ NO
REGISTERED:	● AB ○ BC ○ SASK
PROCESS PIPING:	
CORROSION ALLOWANCE:	○ 1/16" ● 1/8"
RADIOGRAPHY:	○ RT-1 ○ RT-2
STRESS RELIEVE:	● YES ○ NO
GRADE:	
	● STANDARD
	○ LOW TEMP
	○ SPECIAL

LINE DESIGNATION

XX-XX-XX-XXX

LINE NUMBER
LINE SCHEDULE
LINE SIZE
LINE SERVICE

GENERAL NOTES:

- ALL INSTRUMENTS TO BE VENTED TO 1" THREADED VENT HEADER.
- ALL FUEL GAS 1" NPT FITTINGS TO BE S/80 3000#.
- ALL STAINLESS STEEL TUBING AND FITTING TO BE SWAGelok BRAND
3/8" TUBING TO BE 0.035" WALL 316 L
1/2" TUBING TO BE 0.049" WALL 316 L
- BLAST USING SSPC-SP6 COMMERCIAL.
- PAINT PIPING, VESSEL AND SKID QC-315 TAN, TWO COATS CLOVERDALE DTM POLY ENAMEL
- BUILD PROCESS PIPING TO ENLYN PIPE SPEC "BS" -300# SOUR
- BUILD FUEL GAS PIPING TO ENLYN PIPE SPEC "AB" -150# SWEET

REV	DESCRIPTION	DATE	DWN	CHK	APP
3	CHANGED NOZZLE NAMES	14/05/15	EJL		
2	CHANGED SCHEDULE AND RATING/ ADDED CPLGS	18/11/14	EJL	CR	MSR
1	CHANGED FULL PORT BVS AND ADDED BVS	23/10/14	EJL	CR	MSR
0	ISSUED FOR REVIEW	21/10/14	EJL	CR	MSR
REVISIONS					

ENLYN
enlyn.com

5509 BROADWAY AVE.
BLACKFALDS, ALBERTA
CANADA, TOM OJO

72" ID x 10'-0" S/S
3 PHASE SEPARATOR PACKAGE
P&ID (700 psig @ 100°F)

CLIENT

JOB NUMBER: E-10
REV 3
DRAWING NUMBER E-10-PID-1
SHEET 1/1