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“Your Oil & Gas Facility Provider”

1.0 VESSELS

<u>TAG #</u>	<u>QTY</u>	<u>DESCRIPTION</u>
V-100	1	24"Dia X 5' S/S vertical vessel 2 - Phase nozzles Manufactured in 2004 by Natco MAWP: 1440psig @ 100°F design temperature MDMT: -20°F @ 1440psig Original Corrosion Allowance: 1/8" Radiography: RT-1 PWHT: Yes Soft / Alberta Sour A# 511658

VESSEL CONNECTIONS:

N1	Inlet	1 - 3" NPS	600 ANSI Flange
N2	Gas Outlet	1 - 3" NPS	600 ANSI Flange
N3	PSV	1 - 1" NPS	TOL
N4	PI	1 - 1/2" NPS	TOL
N5	TI	1 - 3/4" NPS	TOL
N6a/b	Water LG	2 - 3/4" NPS	TOL
N7	Water LC	1 - 2" NPS	TOL
N8	Water Outlet	1 - 2" NPS	TOL
N9	HLSD	1 - 2" NPS	TOL
N10	Spare	1 - 2" NPS	TOL
N12	Drain	1 - 2" NPS	TOL

2.0 INSTRUMENTATION

FE-100	1	DANIEL 2" SENIOR METER RUN Reconditioned SA-106B Pipe AGA-2000 CL600 RF Connections NACE Trim
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BPCV-100	1	BACK PRESSURE CONTROL VALVE NORRISEAL 2200 OR EQUAL 2" CL600RF Process Connection 3/8" Trim WCB Body, Sour Service Fail Closed
PC-100	1	DYNAFLO OR EQUAL PNEUMATIC PRESSURE CONTROLLER Reconditioned 0 -1500psig Bourdon Tube 0-30psig output Direct Acting
LCV-100	1	INVALCO LIQUID DUMP VALVE Reconditioned 2" NPT Process Connection WCB Body, Fail Closed 3/4" Trim
LC-101	1	NORRISEAL 1001A LEVEL CONTROLLER Reconditioned 2" NPT Process Connection PVC Float Snap Acting
LG-100	1	DANIEL LEVEL GLASS Reconditioned Model: 51TM MAWP: 1750psig @ 100°F $\frac{1}{2}$ " NPT c/w gauge cock valves $\frac{1}{2}$ " x $\frac{3}{4}$ " NPT



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PSV-100	1	MERCER OR EQUAL PRESSURE RELIEF VALVE Reconditioned 1" x 1" NPT Process Connections Set at 1440psig "D" Orifice
PI-101	1	PRESSURE GAUGE Liquid filled 4" dia. face x 1/2" NPT bottom mount end connection SS case and internals 0 to 1500 psig, dual scale
TI-100	1	TEMPERATURE GAUGE -40 TO 160 F 3" dia. X 6" stem, c/w $\frac{1}{2}$ " x $\frac{3}{4}$ " x 6" thermowell

3.0 FUEL GAS SYSTEM (1" NPT OFF SKID SWEET SUPPLY REQUIRED)

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|---|--|
| 1 | NATCO CANADA 8" Dia X 30" S/S Fuel Gas Scrubber
MAWP 150psig @ 200°F
MDMT: -20°F @ 150psig
Corrosion Allowance: 1/16" |
| 1 | FISHER 627 REGULATOR
1" NPT
35-80 psi Output
3/8" orifice
Sweet Service |
| 1 | TAYLOR PRESSURE RELIEF VALVE
Set @ 150 psig
1" NPT inlet x 1" NPT outlet
STD service trim, WCB body
"D" Orifice
Mounted on fuel gas scrubber |



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- 1 PRESSURE GAUGE**
Liquid filled
2 1/2" dia. face x 1/4" NPT Bottom Mount connection
0 to 200 psig range, Dual Scale
- 2 FISHER 67CFR INSTRUMENT AIR REGULATOR**
1/4" FNPT connections
STD service trim
250 psig MAWP, 5 to 35 psig spring range
Tapped Bonnets

4.0 MANUAL VALVE SPECIFICATIONS

<u>QTY</u>	<u>DESCRIPTION</u>
1	3" CL600RF Ball Valve, WCB Body - Inlet Piping
5	2" 2000# NPT Nutron Ball Valves
2	1-1/2" 2000# NPT Nutron Ball Valves
1	1" 2000# NPT Nutron Ball Valves
2	3/4" 2000# NPT Nutron Ball Valves
13	1/2" 2000# NPT Nutron Ball Valves
1	1/2" NPT Swing Check Valve WCB Body
1	2" NPT Swing Check Valve WCB Body
1	3" CL600RF Swing Check Valve WCB Body - Discharge Line
6	1/2" NPT 3000# MxF SS Needle Valve
1	1/4" NPT, 3000# MxF mini Needle Valves
1	2" NPT CL800 Globe Valve SA-105n Body, SS Stem and Disc

5.0 SKID & BUILDING SPECIFICATION

SK-100	1	SKID BASE, 8' W X 19'-0"L (Has an extension for chemical tank, no chemical tank is quoted) Main skid members C8 Channel 3/16" checkerplate 2" Floor Drain
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B-100	1	SELF FRAMING BUILDING 8' wide x 12'-0" long Shed Style Roof Galvalume Exterior, Grey Interior (1) 3'-0" x 7'-6" Door c/w, IWG, check chain, panic hardware, and weather-stripping, Two (2) 12" x 12" Adjustable Louver One (1) 3' x 3' sliding window
H-100	1	THERMCAT CATADYNE HEATER 12" x 24" Natural Gas Heater 12 VDC Start w/ hood, grill, regulators, shutdown, 30' cables

6.0 MATERIAL SPECIFICATIONS

Vessel Material

Vessel Head & Shell	SA-516-70N
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Welded Piping

Pipe	SA-106-Gr.B SMLS
Flanges	SA-105-N
Weld Fittings	SA-234-WPB
Studs & Nuts	SA-193-B7M / 2HM

Threaded Piping

Pipe	SA-106-B, Sch. 80 SMLS
Threaded Fittings	SA-105-N, 3000#

Instrument Tubing

Tubing	Stainless Steel
Fittings	Stainless Steel
Ferrules	Stainless Steel