



SWEET GAS SERVICE

PNEUMATIC TERMINATIONS

- (C10) SUCTION PRESSURE STG. ONE
- (A27) DISCHARGE PRESSURE STG. ONE
- (A26) DISCHARGE PRESSURE STG. TWO
- (A25) DISCHARGE PRESSURE STG. THREE
- (40) ENGINE CRANK SIGNAL
- (60) FUEL GAS VALVE SIGNAL
- (70) INSTRUMENT GAS
- (90) GOVERNOR SPEED CONTROL SIGNAL
- (92) SUCTION CONTROL VALVE SIGNAL
- (106) ENGINE MANIFOLD PRESSURE
- (4) LOW PRESSURE COMPRESSOR OIL
- (5) LOW PRESSURE ENGINE OIL

ELECTRIC TERMINATIONS

- (26) HIGH LIQUID LEVEL SCRUBBER STG. ONE
- (27) HIGH LIQUID LEVEL SCRUBBER STG. TWO
- (28) HIGH LIQUID LEVEL SCRUBBER STG. THREE
- (7) VIBRATION COOLER
- (8) VIBRATION COMPRESSOR
- (2) VIBRATION ENGINE
- (23) LOW LEVEL ENGINE OIL
- (24) LOW LEVEL COMPRESSOR OIL
- (3) LUBRICATOR NO FLOW SWITCH
- (25) LOW LEVEL E.J.W. SURGE TANK
- (30) LOW LEVEL T.A.W. SURGE TANK
- (49) ENGINE OVERSPEED
- (17) HIGH DISCHARGE TEMP. CYLINDER #1
- (18) HIGH DISCHARGE TEMP. CYLINDER #2
- (19) HIGH DISCHARGE TEMP. CYLINDER #3
- (21) HIGH TEMPERATURE ENGINE OIL
- (22) HIGH TEMPERATURE COMPRESSOR OIL
- (6) HIGH TEMPERATURE E.J.W. (RIGHT BANK)
- (10) HIGH TEMPERATURE E.J.W. (LEFT BANK)
- (31) HIGH TEMPERATURE T.A.W.

GENERAL NOTES

1. INSTRUMENTATION
 - TEMP. & PRESS. GAUGES SHALL BE DUAL SCALE
 - INSTRUMENT MEDIUM TO CLEAN DRY FUEL GAS
 - CONTROL PANEL POWERED BY - 24 V DC
 - PROCESS TUBING TO BE 1/4" OD x .035" w.t. CAD PLATED CS
 - FITTINGS TO BE CAD PLATED c/w CS FERRULES, PARKER-HAN.
 - INSTRUMENT TUBING TO BE 1/4" OD x .035" w.t. CAD PLATED CS
 - FITTINGS TO BE CAD PLATED c/w CS FERRULES, PARKER-HAN.
 - LUBE OIL TUBING TO BE OD AS NOTED x .035" w.t. CAD PLATED
 - FITTINGS TO BE CAD PLATED c/w CS FERRULES, PARKER-HAN.
 - TUBING RUNS IN TRAFFIC AREAS SHALL BE PROTECTED WITH REMOVABLE COVER
 - ON SKID TUBING BY BIDELL
 - ON SKID I.S. WIRING (c/w CONDUIT) BY BIDELL
2. PROCESS PIPING
 - CONSTRUCTED IN ACCORDANCE WITH ANSI B31.3
 - HYDROSTATIC TESTED TO 1.5 x DESIGN PRESS. @ AMBIENT
 - CORROSION ALLOWANCE = 0.0625 INCHES
 - RADIOGRAPHIC EXAMINATION = SPOT (10%)
 - STRESS RELIEVED - NONE
 - EXTERNALLY POWER CLEANED
 - ALL FLANGED RELIEF VALVES SHALL BE GUSSETED BACK TO PIPING OR VESSEL
 - PIPING TO BE ANCHORED TO STRUCTURAL MEMBER WITH BIDELL STANDARD STRAP TYPE HEAVY DUTY CLAMPS (NO "U-BOLT" TYPE)
 - PROCESS SCREWED CONNECTIONS SHALL BE 3000# F.S. THREADOLETS

3. PROCESS PRESSURE VESSELS
 - CONSTRUCTED IN ACCORDANCE WITH ASME SECTION VIII, DIV. 1
 - HYDROSTATIC TESTED TO 1.3 x DESIGN PRESS. @ AMBIENT
 - CORROSION ALLOWANCE = 0.0625 INCHES
 - RADIOGRAPHIC EXAMINATION = FULL PER UW 110(c5b), RT-2
 - STRESS RELIEVED - NONE
 - EXTERNALLY POWER CLEANED
 - INTERNALLY POWER CLEANED
 - SCREWED CONNECTIONS ON VESSELS SHALL BE 3000# F.S. THREADOLETS

4. CUSTOMER NOTES
 - COLOR OF PACKAGE: - GRATING BLACK
 - UNIT RUSTOLEUM WARM GRAY
 - EXHAUST AND MUFFLER ALUMINUM HIGH TEMP.
 - BUILDING GALVANIZED
 - LSD: 1-20-13-13 W3M

DRAWN	K. POREMSKY	PROCESS and INSTRUMENTATION FLOW DIAGRAM
DATE	JUNE 26/01	
SCALE	N.T.S.	
CHK'D		
FOR:		CATERPILLAR 3408 TAW / ARIEL JGJ-2 / AIR-X 84 BEH

REV	DATE	DESCRIPTION
B	APR29	AS - BUILT
A	JAN18	GENERAL REVISION

BIDELL EQUIPMENT

GAS COMPRESSION

3236 - 50 AVENUE S.E.
CALGARY, ALTA, T2B-3A3

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CUSTOMER:	VINTAGE PETROLEUM CANADA Inc.	REVISION:	AS-BUILT B
PROJECT:	STOCK COMPRESSOR	DWG. No:	01-108-1A
SHOP ORDER:	01-108		