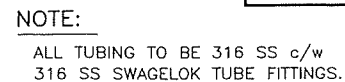


36" OD x 30'-0" S/S x 1480 PSIG
-20/100 DEG. F x 1/8" C.A.
c/w 12 3/4" O.D. x 18" LG. BOOT
100% X-RAY, P.W.H.T.

THREE (3) 24,000 BTU/HR CCI THERMAL TECHNOLOGIES
MK-II HEATER, c/w REGULATOR, THERMOSTAT, S.S.O.V.,
(H19) TAMPER PROOF, PROTECTION GRILL, VENT HOOD,
120 VAC START-UP, (NATURAL GAS)



TIME CARD

C-2479-PP



RUSHTON
GAS & OIL EQUIPMENT LTD

CUSTOMER:		DUVERNAY OIL CORP.			LOCATION:		b-37-B/93-P-10	
c/o TUNDRA ENGINEERING ASSOCIATES LTD.								
<u>MECHANICAL FLOW DIAGRAM</u> 36" OD HORIZONTAL SEPARATOR SKID PACKAGE (SOUR)								
DATE:	DRN BY:	SCALE:	CHKD BY:	APPRD BY:	DWG NO:	C-2479-B		REV: 
08/23/05	J.J.	NTS						

TAG #'s	QTY	DESCRIPTION
BDV 1000	1	1" NPT Fisher D2 Flopro control valve, 3/8" adjustable trim, F.O., 0-35 psi signal, Nace
BR 1000	1	2" 600# RF x 1" NPT Bleed Ring (SA-105N)
EY/PY1000	3	ASCO EF8314G301 3-way solenoid valve, 1/4" NPT, universal operation, 24 VDC, low power, 1.4 watts
EY 1001		
FE 1000	1	6" 600# RF Junior orifice fitting, Nace, c/w 6" Sch 80 AGA 3C meter run, beveled outer ends c/w (1) 1/2" 3000#, (1) 3/4" 3000#, and (1) 3000# TOL downstream connections
FE/FQI 1001/1002	2	1" X 1" NPT NuFlo turbine meter P/N 100003526 c/w type 3303AAN magnetic pick-up P/N 100002077 & NuFlo MC-11 flow analyzer P/N 100005130, local readout
LC 1000	1	Noriseal 1001A snap acting liquid level controller, L.H. mount, 2" NPT connection, vertical PVC displacer, Nace process, sweet instrument supply
LC 1002	1	Noriseal 1001A snap acting liquid level controller, L.H. mount, 2" NPT connection, vertical PVC displacer, Nace process, sweet instrument supply
LCV 1001	1	1" NPT Fisher D2 Flopro control valve, 3/8" adjustable trim, fail open, 0-35 psi signal, Nace
LCV 1000/1002/1003	3	1" NPT Fisher D2 Flopro control valve, 3/8" adjustable trim, fail closed, 0-35 psi signal, Nace
LG 1000	1	Penberthy T2M5-Nace transparent level gauge, 17 1/4" visible length, c/w 3/4" NPT 330J-NQ Nace gauge valves
LG 1001	1	Penberthy T2M9-Nace transparent level gauge, 26 3/4" visible length, c/w 3/4" NPT 330J-NQ Nace gauge valves
LG 1002	1	Penberthy T2M7-Nace transparent level gauge, 22" visible length, c/w 3/4" NPT 330J-NQ Nace gauge valves
LSL 1000	1	LINC 471-41-02 electric level switch, 2" NPT process connection, c/w manual override
LSH 1000/1003	2	LINC 282-21-20 pneumatic level switch, 2" NPT process connection, c/w manual override
LSHH 1000	1	Linc model L471-41 electric switch, 2" NPT process connection c/w manual override, SPST, CSA, explosion proof
LY 1000	1	Fairchild 90052 low pressure select relay
MN 1000	1	5-valve manifold, Century CM5-2-F44T-AB-A, C.S., Nace
PC 1000	1	Fisher 4150 KR pressure controller, reverse acting, 0-1500 psi range, 316 SS bourdon tube, 6-30 psi output
PCV 1000	1	4" 600# RF Fisher 667-ET body control valve, Nace, c/w eq# trim, size 45 actuator, 6-30 psi bench set, fail closed (Reconditioned)
PCV 1101-1107	7	1/4" NPT Fisher 67 CFR regulator, 0-35 psi range, tapped vent, Sweet
PI 1000	1	0-1500 psi, 4" face, dual scale, S.S., L.F., 1/2" L.M., Nuova Fima 18/3A-421, Nace
PSHL 1000	1	Fisher 4680 Hi-Lo pressure Pilot, 75-1425 psi range, 316 SS bourdon tube, set @ 1350 psig rising, 300 psi falling
PSV 1000	1	1" 600# RF x 2" 150# RF Consolidated 1912-00DC-2-CC'-MS-31-RF-GS-HP-SG1 relief valve set @ 1480 psig, sour service
SB 1000/1001	2	6" 600# RF Spectacle blind, SA-516-70N
TI 1000	1	0 to 250° F, dual scale, 1/2" NPT C.B.M., bimetallic, 3" dial, 6" stem, Gaugetech GT3
TW 1000	1	1/2" x 3/4" x 6" lg 316 SS thermowell
BA 625	7	2" 600# RF reg. port ball valve, Meridian FB2-F20R06NH, Nace
BA 125	1	2" 150# RF full port ball valve, Meridian FB2-F20R01N, Nace
BA 45	13	1" NPT ball valve, Meridian T2-F10T08-N, 2000# WOG, Nace
BA 35	6	3/4" NPT ball valve, Meridian T2-F07T08-N, 2000# WOG, Nace
BA 25	10	1/2" NPT ball valve, Meridian T2-F05T08N, 2000# WOG, Nace
CH 625	1	2" 600# RF Swing check valve, Wheatley 910-025144-822, Nace
CH 45	3	1" NPT piston check valve, Navco CP-R10S08A12, Class 800# WOG, Nace
CH 25	1	1/2" NPT swing check valve, NAVCO CS-R05S08A12, Class 800, NACE
GL 625	1	2" 600# RF globe valve, Navco GL-R20R6A12, Nace
GL 45	5	1" NPT globe valve, Navco GL-R10S08A12, Class 800#, Nace
NE 25	5	1/2" NPT needle valve, Century CM2-2-F44T-B-A, C.S., Nace
NE 15	7	1/4" NPT needle valve, Century CM2-2-F22T-B-A, C.S., Nace
ST 625	1	2" 600# RF Y-strainer, Alberta Strainer, YF-600, Nace
ST 45	3	1" NPT Y-strainer, Alberta Strainer, YF-800, Nace
H 101 A/B/C	3	24,000 BTU/HR CCI Thermal Technologies MK-II heater c/w regulator, thermostat, S.S.O.V., (H19) tamper proof, protection drill, vent hood, 120 VAC start-up (natural gas)