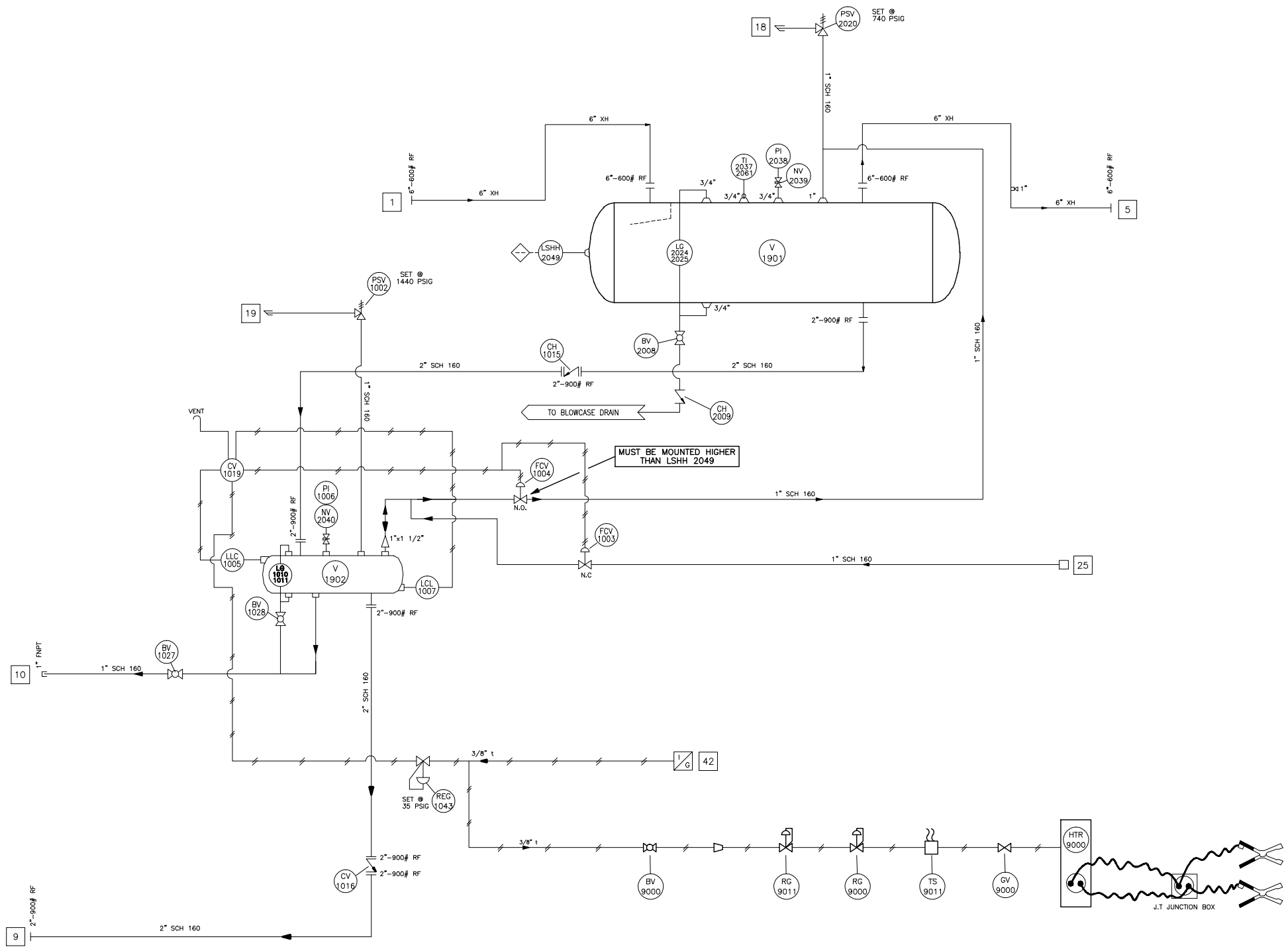
PLOT DATE: 13 AUG 04

G:\ENGINEERING\PROJECTS\WORKORDERS\2004\048192\P&ID\0481929-10.DWG



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HEIGHT = 0.0792
SPACING = 0.1417

BILL OF MATERIAL

NOTE: ITEM No. = FIRST TWO DIGITS (Operation No.), LAST TWO DIGITS (Item No.)

ITEM	PART NO.	TOTAL QUANTITY	DESCRIPTION	REV
1002	808-4445	1.00 EA	VALVE,RELIEF,TAYLOR,82-835131	
			1"MNPT X 1"FNPT,1350-2000 PSI,	
			1/2"ORIFICE,-20/400 F,CS BODY.	
			SET @ 1440 PSIG	
1003	814-1268	1.00 EA	VALVE,DUMP,FISHER,D2,1"NPT,	
			NACE,ADJUSTABLE TRIM,0.25-0.5,	
			FAIL CLOSE	
1004	815-0298	1.00 EA	VALVE,DUMP,FISHER,D2,1"NPT,	
			NACE ADJUSTABLE TRIM,0.25-0.5,	
			FAIL OPEN	
1005	814-7694	1.00 EA	SWITCH,LEVEL,SOR,PNEUMATIC,	
			MODEL,1530C-G2A-C-J0-PS-NC	
1006	811-3595	1.00 EA	GAUGE,PRESS,4,0-1500PSI,WIKA,	
			BTM MOUNT,DUAL SCALE,L.F.	
			MODEL# 233.54	
1007	814-7694	1.00 EA	SWITCH,LEVEL,SOR,PNEUMATIC,	
			MODEL,1530C-G2A-C-J0-PS-NC	
1010	810-0163	1.00 EA	VALVE,GAUGE,SET,PENBERT,330J*	
			NACE,PENBERTHY P/N 64810-550	
			0.5"NPTF(RIGID) - GAUGE CONN,	
			0.75"NPTM - VESSEL CONN,	
			0.5"NPTF - VENT-DRAIN CONN,	
1011	807-6013	1.00 EA	GAUGE,LEVEL,PENBERTHY,1RM9,	
			NACE	
1015	813-4947	1.00 EA	VALVE,CHECK,SWG,2-900,RF,NACE,	
			MODEL #910-025360-822	
1016	814-6965	1.00 EA	VALVE,CHECK,PIST,2-900,RF,NACE	
			MODEL #MARK-4	
1019	813-3435	1.00 EA	VALVE,3-WAY,AMOT,4057D032J1,	
			TYPE CF,1/4"NPT	
1027	813-7218	1.00 EA	VALVE,BALL,SCR,1-2000,MERID,	
			R PORT,LOCKING HANDLE,NACE,	
			MODEL M22CR	
1028	813-7194	1.00 EA	VALVE,BALL,SCR,0.5-2000,MERID,	
			R PORT, LOCKING HANDLE,NACE,	
			MODEL M22CR	
1043	803-0105	1.00 EA	REGULATOR,FISHER,67CFR-362,*	
			1/4"NPT,5-35 PSI RANGE	
1901	813-7710	1.00 EA	SEPARATOR,240DX72,	
			740 PSIG @ 350 F/-20 F	
			CA: 0.125"	
			N1: 6"-600#RF	
			N2: 6"-600#RF	
			CRN: P-2780.213	
			WITH OR WITHOUT PWHT,	
			SEE P/N 813-2913	
1902	813-2946-1	1.00 EA	BLOWCASE,180DX60S/S,1440#,	
			DESIGN PRESS:1440 PSIG	
			DESIGN TEMP: 350 F	
			MDMT: -20 F @ 1440 PSIG	
			C.A.: 0.125"	
			N1: 2"-900#RFWN	
			N2: 2"-900#RFWN	
			CRN: P-3896.213	
2008	813-7194	1.00 EA	VALVE,BALL,SCR,0.5-2000,MERID,	
			R PORT, LOCKING HANDLE,NACE,	
			MODEL M22CR	
2009	813-7119	1.00 EA	VALVE,CHECK,POPPET,SS-8C-1	
2020	812-9802	1.00 EA	VALVE,RELIEF,TAYLOR,82-A7356131	
			1"MNPT X 1"FNPT,700-1200 PSI	
			1/2"ORIFICE,-20/400,CS BODY	
			SET @ 740 PSIG	
2024	810-0163	1.00 EA	VALVE,GAUGE,SET,PENBERT,330J*	
			NACE,PENBERTHY P/N 64810-550	
			0.5"NPTF(RIGID) - GAUGE CONN,	
			0.75"NPTM - VESSEL CONN,	
			0.5"NPTF - VENT-DRAIN CONN,	
2025	813-4857	1.00 EA	GAUGE,LEVEL,PENBERTHY,2RM6,	
			NACE	
2037	804-0246	1.00 EA	GAUGE,TEMP,0-250F,TREN,33040*	
			DUAL SCALE,304SS,3"DIAL,4"STEM	
			BACK CONNECTED,NO RESET	
2038	808-5341	1.00 EA	GAUGE,PRESS,4,0-1000PSI,WIKA,	
			BTM MOUNT,DUAL SCALE,L.F.	
			MODEL# 233.54	
2039	813-5928	1.00 EA	VALVE,NEEDLE,CM2-1-M64T-DN-T*	
			CENTURY,0.75"MXO.5"F,316SST-	
			NACE,TEFLON,PACKED	
2040	813-5574	1.00 EA	VALVE,NEEDLE,CM2-1-M44T-DN-T*	
			CENTURY,0.50"MXF,6000PSI,NACE	
2049	807-6898	1.00 EA	SWITCH,LEVEL,MURPHY,L120OSS-SF	
			NACE-SS BODY & FLOAT, 2"NPT	
2061	605-6144	1.00 EA	THERMOWELL,0.75X0.50X4,*	
			0.260" BORE,304SS	
			2.5" INSERTION LENGTH.	
9000	803-9908	1.00 EA	HEATER,CISCAN,BX,24X24,	
			24000 BTU/Hr,6.6KW,12V,	
			C/W MAXI-TROL, BALL VALVE AND	
			SAFETY SHUT-OFF VALVE.	
9011	810-9075	1.00 EA	HEATER,SYSTEM,CONTROLS,12V,	
			(1) EA. 806-3168 SAFETY GRILL	
			(1) EA. 806-3143 STARTUP LEADS	
			(1) EA. 803-9924 THERMOSTAT	
			(1) EA. 803-9932 REGULATOR	

CUSTOMER CONNECTIONS

TAG	DESCRIPTION	SIZE	TAG	DESCRIPTION	SIZE
1	PROCESS GAS INLET	6"-600# RF			
5	PROCESS GAS OUTLET	6"-600# RF			
9	BLOWCASE OUTLET	2"-900# RF			
10	BLOWCASE MANUAL DRAIN	1" FNPT			
18	SLUG CATCHER PSV VENT	1" DIA.			
19	BLOWCASE PSV VENT	1" DIA.			
25	POWER GAS CONNECTION	1" FNPT			
42	INSTRUMENT GAS CONNECTION	3/8" TUBING			

GENERAL NOTES

1. PROCESS INSTRUMENT LINES: 316SS TUBING c/w 1/4" SWAGELOK 316SS FITTINGS & 316SS FERRULES.
*2. UTILITY INSTRUMENT LINES: 316SS TUBING c/w 3/8" SWAGELOK ZINC PLATED FITTINGS WITH ZINC PLATED (FRONT) FERRULES & 316SS (BACK) FERRULES.
3. INSTRUMENT MEDIUM: CLEAN, DRY GAS.
4. ALL PIPING 2" AND UNDER TO BE XH MINIMUM.
5. ALL FITTINGS TO BE 3000# RATING UNLESS OTHERWISE NOTED.
6. CORROSION ALLOWANCE: 1/16".
7. INSTRUMENT TAGS REQUIRED: ☐ YES ■ NO
8. PAINT (1) COAT: UNIVERSAL COMPRESSION STANDARD COLOR: SAPPHIRE BLUE
9. ALL EXTERNAL PSV EXHAUST PIPES TO HAVE 1/4"ø WEEP HOLE IN TRAP AREAS
10. AREA CLASSIFICATION: CLASS 1 DIV 2 BY ENTELA
11. CONDUIT TYPE: GALVANIZED CONDUIT
**12. THE SUCTION PSV IS THE RESPONSIBILTY OF THE CUSTOMER

* REVISED UTILITY TUBING DISCRIPTION (NOV,08,2002)
** ADDED SUCTION PSV NOTE (JUN,05.03).

STAMP AREA

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REV.	BY	CHK'D	REVISION DESCRIPTION	DATE
0	KMB		ISSUED FOR FABRICATION	13 AUG 04

UNIVERSAL® COMPRESSION
4949 - 76th Avenue S.E.
P.O. Box 5308, Station 'A'
Calgary, Alberta, Canada T2H 1X6
403/236-5252 Main
800/661-5252 Toll Free
403/236-4261 Fax

TITLE: SLUG CATCHER / BLOWCASE SKID PACKAGE
PROCESS AND INSTRUMENTATION DIAGRAM

END USER/CONSULTANT: LEASE FLEET
CUST. P.O. No.:
LOCATION: TBA
LSD: TBA
REVISION: 0
DWG. REFERENCE: SLUGBLOW-10 Rev.0

DRAWN:	K. BUCK	W.O. No.	048192
DATE:	26 MAR 03	UNIT No.	048192
CHK'D:	D. NORMAND	No. REQ'D:	ONE (1)
PROJ. CO.	D. NORMAND	SCALE:	N.T.S.

DWG. No. 048192-10
(SHEET 1 OF 1)