



BILL OF MATERIAL

MARK	SIZE	DESCRIPTION	QTY	WEIGHT
1	3	PIPE, SMLS, BW, SCH. 80, A106 GR B	197 MM	2.3
2	2	PIPE, SMLS, BW, SCH. 80, A106 GR B	141 MM	1.1
3	3X2	TEE, RED, BW, SCH. 80, A234 GR WPB	1	2.2
4	3	ELBOW, 90 DEG, LR, BW, SCH. 80, A234 GR WPB	2	4.1
5	2	ELBOW, 90 DEG, LR, BW, SCH. 80, A234 GR WPB	1	0.9
6	3	FLANGE, RFWN, CL600, SCH. 80 BORE, A105N	2	20.9
7	2	FLANGE, RFWN, CL600, SCH. 80 BORE, A105N	1	5.5
8	3	GASKET, CL600 SPIRAL WOUND, 316 SS / FLEXIBLE GRAPHITE	2	2.0
9	2	GASKET, CL600 SPIRAL WOUND, 316 SS / FLEXIBLE GRAPHITE	1	1.0
10	3/4X127	(8) STUD BOLTS W/ NUTS, A193 GR B7M / A194 GR 2HM	2	2.0
11	5/8X108	(8) STUD BOLTS W/ NUTS, A193 GR B7M / A194 GR 2HM	1	1.0
12	3	VALVE, BALL, RP, RF, NACE, CLASS 600 ASME, A105N	1	38.6
TOTAL FABRICATION WEIGHT				81.2

CUT PIPE LENGTH

PIECE NUM	LENGTH (MM)	SIZE (INCH)
<A>	197	3
	141	2

PIPING DESIGNED IN ACCORDANCE WITH ASME B31.3 2010 EDITION,	
PIPE SPEC.: CS	WELD PROC.: CADO-5
DESIGN PRESS.: 9376 KPAG	RADIOGRAPHY: 100%
DESIGN TEMP.: 90 DEG. C	PWHT: N/A
DMT: -29 DEG. C	PICKLE & OIL: N/A
C.A.: 1.6 mm	SANDBLAST: SP-6
TEST PRESS.: 14064 KPAG	PAINT: WARM GREY
TEST MEDIA: WOG	INSULATION: N/A

CADO INDUSTRIES INC.			
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NO.	REVISION	DATE	BY
0	ISSUED FOR CONSTRUCTION	11/10/2013	AP
			WC
			WC
			APR

CUSTOMER:	PENNWEST EXPLORATION
UNIT NO.:	2013-070-601
MODEL:	4-WELL SEPARATOR SKID (BU-2000)
LOCATION:	
LINE TAG:	V-2100 CONDENSATE OUTLET
DRAWING NO.:	070-10A
REV.	0