REV. NO.	ITEM	QTY	DESCRIPTION	MATERIAL	NOTE	UNIT WEIGHT	TOTAL WEIGHT	WHSE	SUPPLIER	DEL'Y DATE	P.O. NUMBER	P.O. DATE	UNIT PRICE	TOTAL PRICE	REMARKS
	E-403		RAW CONDENSATE PRE-HEATER: 7-192 NEN TEMA 'C';			1,750	1,750								D-2011-8169-01-001
			T.S.: 400 PSIG D.P. @ -20/300°F + 1/16" C.A.												
\vdash			S.S.: 400 PSIG D.P. @ -20/300°F + 1/16" C.A.												
\vdash			DESIGN DUTY: 101,926 BTU/HR												
—															
\vdash															
\vdash												1			
	V-113	1	HORIZONTAL CONDENSATE CONDITIONER: 48" O.D. x 16'-0" s/s;			9,250	9,250								D-2011-8169-02-001
	V 110		400 PSIG D.P. @ -20/300°F; 1/16" C.A. c/w COALESCING PAD			5,200	0,200								D 2011 0100 02 001
			(SHIPPED LOOSE, INSTALLED & DRESSED BY OTHERS)												
			,												
\vdash												ļ			
\vdash	E-401		FEED/BOTTOMS EXCHANGER: 7-336 NEN TEMA 'C';			2,670	2,670					ļ			D-2011-8169-03-001
\vdash			T.S.: 400 PSIG D.P. @ -20/500°F + 1/16" C.A.									1			
1			S.S.: 400 PSIG D.P. @ -20/500°F + 1/16" C.A. DESIGN DUTY: 303,268 BTU/HR									1			
			DESIGN DOTT. 303,200 BT 0/TIK												
												1			
												1			
	T-400	1	VERTICAL STABILIZER COLUMN: 16" O.D. x 34'-0" s/s; 400 PSIG D.P. @			TOP	2,490								D-2011-8169-04-001
			-20/500°F; 1/16" C.A.; c/w (1) 21'-3" PACKED SECTION; 2-PHASE			BOTTOM	1,600								
\vdash															
\vdash															
\vdash															
												1			
\vdash	H-405	1	STABILIZER REBOILER: 42" O.D. x 22'-0" LG REBOILER; 30" O.D. x 8'-0" LG			6,520	6,520					 			D-2011-8169-05-001
	11 100		EXPANSION POT; 12 3/4" O.D. 5-PIECE MITERED FIRE TUBE;			0,020	0,020								2 2011 0100 00 001
			12 3/4" O.D. x 15'-0" HIGH STACK; 1" FUEL GAS PRE-HEAT COIL;												
			ATMOSPHERIC DESIGN												
\sqcup															
\vdash												ļ			
					1							<u> </u>			
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												1	-		
												1	 		
			ESTIMATED SHIPPING WEIGHT:	66,090 Lbs.			24,280								
F	REVISIONS	3	NOTES: *** SEE NOTE COLUMN FOR APPLICATION NUMBERS ***		BY:	RV	VM			GAS	<i>શ.</i> ∩!!		The information con	tained herein is the	confidential property of ALCO Gas & Oil
REV.	DATE	REV. BY	1. MATERIAL TO MEET THE NOTES AND REQUIREMENTS AS OUTLINED ON THE LAYOUT DRAW	WING.	DATE:	Feb. 2	5, 2011	IAI	CO		& OIL TION EQUIPMENT	NT I TD	Production Equipmer understanding that r	nt Ltd., and is not for pu no part therof shall be	blication. The information is issued on the copied or communicated to a third party
0	Mar. 15, 2011	RWM			CHK'D				لــا ينفذ		ION EQUIPMENT LIMITE	NI LID.			O Gas & Oil Production Equipment Ltd.
					CHK'D						BILL OF M	ATERIA	LS		
					APP'D:			1	CC	ONDENSA	TE STABILIZ	ZER UNI	T (TAG #: ⁻	T-400)	
					CUSTO	MER:	HUSKY OIL	OPERATIO	NS LIMITED c/o EXCEI	SIOR ENGI	NEERING LTD.	LOCAT	ION:	MINEHEAD	COMPRESSOR STATION
-			Printed: 17/03/2011, 2:44 PM NOTE: ONE (1) UNI	IT REQUIRED	L.S.D.:	03-06-049-18	8 W5M		DWG/SHOP ORD	ER:	B-20)11-8169	-50B-001/0	017	REV. 0

REV. NO.	ITEM	QTY	DESCRIPTION	MATERIAL	NOTE	UNIT WEIGHT	TOTAL WEIGHT	WHSE	SUPPLIER	DEL'Y DATE	P.O. NUMBER	P.O. DATE	UNIT PRICE	TOTAL PRICE	REMARKS
	5 100					4.040	1 0 10					ļ			
	E-402		REMOVABLE STABILIZER REBOILER COIL: 6 PASSES OF NPS 3, SCH. STD (SPLIT 2/2/2); NPS 6-CL300 INLET/OUTLET HEADERS; 400 PSIG D.P. @			1,640	1,640					<u> </u>			C-2011-8169-06-001
			-20/500°F; 1/16" C.A.; BUILT TO ASME B31.3 2008 EDITION												
			DESIGN DUTY: 547,522 BTU/HR									 			
			5201011 50 1 1 1 0 11 30EE 51 0/1 11 C									1			
	5 40-		TIPOO EL MAS APPENTED OMO PURMED A COMO PETAMOR DI ITA				0.50								145/5 0400 50 00
	B-405		ZIRCO FLAME ARRESTED GAS BURNER: 1,000,000 BTU/HR DUTY;			250	250					<u> </u>	-		MR'D 8169-50-02
			ALUMINUM HOUSING; 2-PIECE O-TYPE BODY; RIGHT-HAND HINGE;	<u> </u>								1			
			SWEET NATURAL FUEL GAS APPLICATION, 1-NPT GAS CONN. @ 9:00									-			
			POSITION; 1/4-NPT PILOT CONN. @ 9:00 POSITION; 3/4" CONDUIT CONN. @ 6:00 POSITION FOR IGNITION SYSTEM; 12 3/4" O.D. FIREBOX CONN.		+						 	+	-		
			© 6:00 POSITION FOR IGNITION SYSTEM; 12 3/4" O.D. FIREBOX CONN. c/w (20) 1" DIA. HOLES EQUALLY SPACED ON A 16 1/8" B.C.D.	+	+					1	-	+	-		<u> </u>
			DESIGN BASED ON 12 3/4" O.D. x 19'-0" (40'-0" OAL) FIRE TUBE &	1						1		+			
			12 3/4" O.D. x 15'-0" HIGH EXHAUST STACK					1				+			
			12 OFF C.B. X TO C THOSE EXCITACION												
												†			
	CP-405		ZIRCO ACL-5500 BURNER CONTROL PANEL: CSA-APPROVED FOR B149.3 &			20	20								MR'D 8169-50-02
	BE-400		FOR CL.1, DIV.2 AREA; FLAME ROD IGNITOR ASSEMBLY; NEMA 4X												
	XE-400		ENCLOSURE; SPEED CONTROL VALVE FOR TV-400 & INSTALLATION KIT w/												
	SCV-400		PILOT ASSEMBLY; 24VDC POWER SUPPLY												
												<u> </u>			
												<u> </u>			
											-	+			
					+					 		 	 		
											1	<u> </u>			
												<u> </u>			
			TOTAL BASE WESTER (1.)				4.640					<u> </u>			
			TOTAL PAGE WEIGHT (Lbs.):		D) (D	1,910								
	REVISIONS		NOTES: *** SEE NOTE COLUMN FOR APPLICATION NUMBERS ***	MANA	BY:		VM	AT		GAS	& OIL		The information con Production Equipmen	tained herein is the o	onfidential property of ALCO Gas & Oil blication. The information is issued on the
REV.		REV. BY	1. MATERIAL TO MEET THE NOTES AND REQUIREMENTS AS OUTLINED ON THE LAYOUT DRA	AWING.	DATE:	Feb. 2	5, 2011	AL	CO =	PRODUCT	TION EQUIPME	NT LTD.	understanding that r	no part therof shall be	e copied or communicated to a third party O Gas & Oil Production Equipment Ltd.
U	Mar. 15, 2011	KWM			CHK'D					*GP of the ALCO GAS &	DIL PRODUCTION EQUIPMENT LIMIT	ED PARTNERSHIP.		J	
					CHK'D			1			BILL OF M			- 465)	
					APP'D:						TE STABILIZ		•		
					CUSTO				NS LIMITED c/o EXCEI						COMPRESSOR STATION
			Printed: 17/03/2011, 2:44 PM NOTE: ONE (1) UI	NIT REQUIRED	. L.S.D.:	03-06-049-1	8 W5M		DWG/SHOP ORD	ER:	B-20)11-8169	-50B-002/	017	REV. 0

REV. NO.	ITEM	QTY	DESCRIPTION	MATERIAL	NOTE	UNIT WEIGHT	TOTAL WEIGHT	WHSE	SUPPLIER	DEL'Y DATE	P.O. NUMBER	P.O. DATE	UNIT PRICE	TOTAL PRICE	REMARKS
	E-404	1	ACE MODEL E54-7 PRODUCT COOLER: MANUAL EXHAUST LOUVER;			4,027	4,027								MR'D 8169-50-01
			HAILGUARD; BUG SCREEN; ONE (1) 5 H.P. TEFC 480V/3 PH/60 Hz VFD				·								
			COMPATABLE MOTOR, 1800 RPM; ONE (1) MURPHY VS2-EX VIBRATION												
			SWITCH; CRN REGISTRATION IN ALBERTA; NPS 2-CL300 ANSI RF CONNECTIO	NS								<u> </u>			
			DESIGN: 400 PSIG D.P. @ -20/500°F + 1/16" C.A.;									-			
			DESIGN DUTY: 1,218,800 BTU/HR												
	UH-440	1	RUFFNECK FX5-480360-250 ELECTRIC BUILDING HEATER: 25kW			252	252								
			(102,350 BTU/HR), 1/2 HP 480V/3PH/60Hz X.P. ELECTRIC MOTOR, c/w												
			RUFFNECK XT-311 THERMOSTAT, CSA-XP (C1D1) RATING									ļ			
												<u> </u>			
					+							1			
					+							+	 		
					+ -							1			
	SKID		15'-0" x 36'-0" x W12 @ 26# STRUCTURAL STEEL SKID:			18,910	18,910								D-2011-8169-08-001
			SIX (6) POINT LIFT; 1/4" THK. CHECKER PLATE & 1 1/4" THK. SERRATED												
			GRATING FLOORING; (1) 12"x36" FLOOR DRAIN; 2" HIGH PERIMETER DRIP LIP												
												1			
					+							 			
	BLDG		15'-0" WIDE x 20'-0" LG x 11'-0" HIGH MIN. EAVE SHED TYPE PRE-PAINTED			6,500	6,500								B-2011-8169-50-001
	EF-441		BUILDING: (2) 3'-0"x7'-0" DOORS c/w 24" WINDOW; (2) 36" SLIDING												
-			WINDOWS; (3) 12"x12" LOUVERS; 22 Ga. PRE-PAINTED EXTERIOR; 24 Ga. FLUTED ALUMINUM WHITE INTERIOR; R12 (WALLS) & R20 (ROOF)									1	-		
			INSULATION c/w 6 MIL VAPOUR BARRIER; ICE RAKE; EAVESTROUGH &												
			DOWNSPOUT ON LOW SIDE; DOOR CANOPIES;												
			ONE (1) EXHAUST FAN: 12 ACPH 1/4 H.P. 1/60/120 VAC X.P. MOTOR									<u> </u>			
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			TOTAL PAGE WEIGHT (Lbs.):		1		29,689					†			
F	REVISIONS	S	NOTES: *** SEE NOTE COLUMN FOR APPLICATION NUMBERS ***		BY:	RV	VM			CAS	<i>Ջ</i> . ∩II		The information con	tained herein is the o	onfidential property of ALCO Gas & Oil
REV.		REV. BY	1. MATERIAL TO MEET THE NOTES AND REQUIREMENTS AS OUTLINED ON THE LAYOUT DRA	WING.	DATE:	Feb. 2		IAI	_co ≡		& OIL	NIT I TO	Production Equipmer	nt Ltd., and is not for pu	blication. The information is issued on the copied or communicated to a third party
0	Mar. 15, 2011				CHK'D						TION EQUIPME	NILID.			O Gas & Oil Production Equipment Ltd.
					CHK'D						BILL OF M	ATERIA	LS		
					APP'D:			1	C	ONDENSA	TE STABILIZ	ZER UNI	T (TAG #: ⁻	T-400)	
					CUSTO	MER:	HUSKY OIL	OPERATIO	ONS LIMITED c/o EXCEI	SIOR ENG	NEERING LTD.	LOCAT	ION:	MINEHEAD (COMPRESSOR STATION
			Printed: 17/03/2011, 2:44 PM NOTE: ONE (1) UN	IIT REQUIRED	L.S.D.:	03-06-049-1	8 W5M		DWG/SHOP ORD	ER:	B-20	011-8169	-50B-003/	017	REV. 0

REV. NO.	ITEM	QTY	DESCRIPTION	MATERIAL	NOTE	UNIT WEIGHT	TOTAL WEIGHT	WHSE	SUPPLIER	DEL'Y DATE	P.O. NUMBER	P.O. DATE	UNIT PRICE	TOTAL PRICE	REMARKS
													1		
	147		NPS 4-CL300 ANSI RF FISHER DL3-249W VERTICAL LEVEL CONTROL CAGE:			95	95								C-2011-8169-07-001
			4 1/2" O.D.; 400 PSIG D.P. @ -20/500°F + 1/16" C.A. (FOR LIT-400)												
		(c/w NPS 1 1/2-NPT VESSEL & NPS 3/4-NPT LEVEL GAUGE CONNECTIONS												
	152	1	NPS 4-CL300 ANSI RF FISHER L2 VERTICAL LEVEL CONTROL CAGE:			140	140								C-2011-8169-09-001
			4 1/2" O.D.; 400 PSIG D.P. @ -20/500°F + 1/16" C.A. (FOR LC-113)												
		(c/w NPS 2-CL300 VESSEL & NPS 3/4-NPT LEVEL GAUGE CONNECTIONS												
		,	**(SHIPPED LOOSE w/ V-113, INSTALLED BY OTHERS)**												
-															
-													-		
													1		
	BDV-400	1	NPS 1-NPT FISHER D4 PRESSURE CONTROL VALVE AND ACTUATOR,			64	64	1							MR'D 8169-50-05
	DD V-400		1/4" DIA. PORT, M-FORM TRIM, FAIL OPEN, BENCHSET AT 6-30			04	04								WIK D 6169-50-05
			PSIG FOR 400 PSIG SHUTOFF, STANDARD MATERIALS												
	DD 400		WHEN YOU ARE AN ADDRESS OF THE POPULATION OF THE POPULATION												
	DP-400	1	KIMRAY DP-30 LOW PRESSURE DRIP POT: 300 PSIG MWP, STD MATL'S			5	5						1		
	ESDV-400		NPS 1-NPT FOSSIL SERIES 88 GAS SAFETY SHUT-OFF VALVE ASSEMBLY			10	10								MR'D 8169-50-05
	ZSC-400		c/w PNEUMATIC, SR ACTUATOR; 24VDC XP 3-WAY SOLENOID; 24VDC XP												
	ESDY-400		POC SWITCH; 3-PIECE SS BALL VALVE; CSA 6.5 C/I APP'L									-			
-															
	ESDV-401		NPS 1/4-NPT ASCO HV287776-002-24 GAS SAFETY SHUT-OFF VALVE: 24V DC,			5	5								
		(CLASS I, DIV. I, XP, UNIVERSAL 2-WAY OPERATION, 35 PSIG MWP, SS BODY												
—															
								1							
			TOTAL PAGE WEIGHT (Lbs.):				319								
	REVISIONS		NOTES: *** SEE NOTE COLUMN FOR APPLICATION NUMBERS ***		BY:		VM			GAS	& OIL		The information con	tained herein is the c	onfidential property of ALCO Gas & Oil olication. The information is issued on the
REV.		REV. BY	1. MATERIAL TO MEET THE NOTES AND REQUIREMENTS AS OUTLINED ON THE LAYOUT DRA	WING.	DATE:	Feb. 2	5, 2011	AL	CO =		ION EQUIPMEN	NT LTD.	understanding that r	o part therof shall be	copied or communicated to a third party Gas & Oil Production Equipment Ltd.
0	Mar. 15, 2011	RWM			CHK'D						IL PRODUCTION EQUIPMENT LIMITE	D PARTNERSHIP.			. 222 & O roduction Equipment Etd.
					CHK'D			1	2		BILL OF M			T 400\	
					APP'D:		11100070	ODEDATIO			TE STABILIZ		,		COMPDESSOR OTATION
			Principle (A) UN	IIT DEALURES	CUSTO				ONS LIMITED c/o EXCEL						COMPRESSOR STATION
			Printed: 17/03/2011, 2:44 PM NOTE: ONE (1) UN	III KEQUIKED.	L.S.D.:	03-00-049-1	IVICVV o		DWG/SHOP ORDI	-K:	B-20	717-8769	-50B-004/) I <i>(</i>	REV. 0

REV. NO.	ITEM	QTY	DESCRIPTION	MATERIAL	NOTE	UNIT WEIGHT	TOTAL WEIGHT	WHSE	SUPPLIER	DEL'Y DATE	P.O. NUMBER	P.O. DATE	UNIT PRICE	TOTAL PRICE	REMARKS
	EY-400	1 1	NPS 1/4-NPT ASCO EF8314G301 SOLENOID VALVE: 24V DC, CLASS I, DIV. I, XP,			5	5								
			JNIVERSAL 3-WAY OPERATION, 150 PSIG MWP, 1.4 WATTS LOW												
		F	POWER, STD MATL'S												
												-			
	FE-400		NPS 1-MNPT BLANCETT MODEL B110-875 LIQUID TURBINE FLOW METER:			5	5								
		3	3-30 USGPM FLOW RANGE c/w MAGNETIC PICK-UP												
	FIT 400	4	DI ANOSTE BOSALVI CO SI OMIMONITORI VE SNOLOGIJES METER MOJINES			_									
	FIT-400		BLANCETT B28ALX-CS FLOW MONITOR; XP ENCLOSURE; METER MOUNTED; LOOP POWERED w/ 4-20 mA OUTPUT; LCD DISPLAY			5	5								
		<u> </u>	LOOF FOWERED W/ 4-20 IIIA OUTFOT, LCD DISPLAT												
												<u> </u>			
	FOIT 404		IDO 4 4/9 NDT DOMET DAGG FUEL OAG METER METRIC COUNTED												
	FQIT-401		NPS 1 1/2-NPT ROMET RM30 FUEL GAS METER; METRIC COUNTER;			2	2								
			175 PSIG MWP; VOLTAGE PULSE OUTPUT; STD MATL'S									-			
	220	1 1	MTL 5012 ELECTRICAL BARRIER (REQ'D FOR FQIT-401 VOLTAGE PULSE			2	2								
	-		OUTPUT); C1D1 RATING												
	1.17.400		UPO A OLOGO FIGUED DI O GAS I FIVEL ED ANOMITTED												
	LIT-400		NPS 4-CL300 FISHER DL3-249 LEVEL TRANSMITTER:			35	35								
			NAFER STYLE FLANGE, LEFT HAND MOUNT, 4-20 mA + HART OUTPUT, 24 VDC, CSA-XP (C1D1) RATING c/w 3" x 14" LONG 304SS DISPLACER,												
			STD MATL'S												
			TO MICHES												
												<u> </u>			
	LC-113		NPS 2-NPT FISHER L2 SNAP ACTING LIQUID LEVEL CONTROLLER,			17	17								
			0-30 PSIG DIRECT OUTPUT, c/w 1 7/8" x 12" LG VERTICAL												
			PVC DISPLACER, -20/175°F, STANDARD MATERIALS *(SHIPPED LOOSE w/ V-113, INSTALLED BY OTHERS)**									 	 		
		+	TOTAL TED ECOOL W/ V-113, INSTALLED BT OTHERS)									 	 		
			TOTAL PAGE WEIGHT (Lbs.):				71								
F	REVISIONS		NOTES: *** SEE NOTE COLUMN FOR APPLICATION NUMBERS ***		BY:		VM			GAS	& OIL		The information conf	ained herein is the co	nfidential property of ALCO Gas & Oil
REV.		REV. BY	1. MATERIAL TO MEET THE NOTES AND REQUIREMENTS AS OUTLINED ON THE LAYOUT DRAW	WING.	DATE:	Feb. 2	5, 2011	$\ \mathbf{A}\ $	CO =		TION EQUIPMEN	NTITO	understanding that n	o part therof shall be	lication. The information is issued on the copied or communicated to a third party
0	Mar. 15, 2011	RWM			CHK'D					*GP of the ALCO GAS & C	IL PRODUCTION EQUIPMENT LIMITE	D PARTNERSHIP.		in writing from ALCO	Gas & Oil Production Equipment Ltd.
					CHK'D						BILL OF M				
					APP'D:						TE STABILIZ		`		
					CUSTO				ONS LIMITED c/o EXCEL						OMPRESSOR STATION
			Printed: 17/03/2011, 2:44 PM NOTE: ONE (1) UN	IT REQUIRED.	L.S.D.:	03-06-049-18	8 W5M		DWG/SHOP ORDE	-R:	B-20	11-8169	-50B-005/0)17	REV. 0

REV. NO.	ITEM	QTY	DESCRIPTION	MATERIAL	NOTE	UNIT WEIGHT	TOTAL WEIGHT	WHSE	SUPPLIER	DEL'Y DATE	P.O. NUMBER	P.O. DATE	UNIT PRICE	TOTAL PRICE	REMARKS
	LG-400		PENBERTHY 1RL4 REFLEX LEVEL GAUGE: 2175 PSIG @ 100°F; 6 3/4" VISIBLE LENGTH; STD MATL'S			8.5	9								
			6 3/4" VISIBLE LENGTH; STD MATES												
	LG-113		PENBERTHY 1TL4 TRANSPARENT LEVEL GAUGE; 1440 PSIG @ 100°F; 6 3/4" VISIBLE LENGTH; STD MATL'S			8.5	9					<u> </u>			
			(SHIPPED LOOSE w/ V-113, INSTALLED BY OTHERS)												
	LG-401	1	5/8" TUBULAR RED-LINE GAUGE GLASS ASSEMBLY: STD MATL'S			2	2					1			
	LO-401	'	3/0 TODOLAN NED-LINE GAGGE GLAGG AGGEMBET. STD MATEG												
												<u> </u>			
	256	2	SET OF (2) NPS 3/4-NPT PENBERTHY 330J GAUGE COCKS: 4000 PSIG @ 100°F;			3	6								
			STD MATL'S												
			(ONE SET SHIPPED LOOSE w/ V-113, INSTALLED BY OTHERS)									+			
	261		SET OF (2) NPS 1/2-NPT PENBERTHY N7A GAUGE COCKS: 200 PSIG @ 100°F;			3	3								
			STD MATL'S												
												+			
	LSLL-400		NPS 2-NPT SOR 1510B-G2A-C-W9-ES-CS-CV ELECTRIC LEVEL SWITCH:			2	2								
	LSHH-400		1500 PSIG MWP, -40/400°F, S.S. BODY, 24VDC, X.P., CLASS I DIV I,												
			CSA APPROVED, STD MATL'S												
	LV-400	1	NPS 2-CL300 FISHER D4 CONTROL VALVE AND ACTUATOR:			120	120			-		<u> </u>	<u> </u>		MR'D 8169-50-04
	LV-400		3/4" DIA PORT, M-FORM TRIM, FAIL CLOSED, BENCH SET @ 6-30 PSIG,			120	120								WK D 8109-30-04
			400 PSIG SHUTOFF, STD MATL'S												
										-		1	-		
										<u> </u>			 		
			TOTAL PAGE WEIGHT (Lbs.):				150								
	REVISIONS		NOTES: *** SEE NOTE COLUMN FOR APPLICATION NUMBERS ***		BY:		VM			GAS	& OIL		The information con	tained herein is the c	onfidential property of ALCO Gas & Oil
REV.		REV. BY	1. MATERIAL TO MEET THE NOTES AND REQUIREMENTS AS OUTLINED ON THE LAYOUT DRA	WING.	DATE:	Feb. 2	5, 2011	AL	CO	PRODUCT	& OIL	NT LTD.	understanding that r	no part therof shall be	blication. The information is issued on the copied or communicated to a third party D Gas & Oil Production Equipment Ltd.
U	Mar. 15, 2011	KVVIVI			CHK'D CHK'D			-		*GP of the ALCO GAS &	BILL OF M	ED PARTNERSHIP.	LS		
					APP'D:			†	CC	ONDENSA	ATE STABILIZ			Т-400)	
					CUSTO				NS LIMITED c/o EXCEL	SIOR ENGI	NEERING LTD.	LOCAT	ION:	MINEHEAD (COMPRESSOR STATION
			Printed: 17/03/2011, 2:44 PM NOTE: ONE (1) UN	IT REQUIRED	. L.S.D.:	03-06-049-18	8 W5M		DWG/SHOP ORDI	ER:	B-20	011-8169	-50B-006/	017	REV. 0

REV. NO.	ITEM	QTY	DESCRIPTION	MATERIAL	NOTE	UNIT WEIGHT	TOTAL WEIGHT	WHSE	SUPPLIER	DEL'Y DATE	P.O. NUMBER	P.O. DATE	UNIT PRICE	TOTAL PRICE	REMARKS
	PCV-67A	9	NPS 1/4-NPT FISHER 67 CFR REGULATOR: 0-35 PSIG SPRING RANGE;			2	14								
			STD MATL'S												
	PCV-67B		NPS 1/4-NPT FISHER 67 CFR REGULATOR: 0-125 PSIG SPRING RANGE;			2	2								
			STD MATL'S												
\longrightarrow														 '	
														<u> </u>	
\longrightarrow														-	
\longrightarrow					1							 		 	
\longrightarrow															
-+	PCV-400	1	NPS 1-NPT FISHER 627 REGULATOR: DUCTILE IRON BODY; 5-20 PSIG			5	5					 			
\rightarrow			OUTLET PRESSURE RANGE, SET @ 15 PSIG; 1/4" DIA PORT,												
			500 PSIG MWP, STD MATL'S												
			· · · · · · · · · · · · · · · · · · ·												
	PCV-401	1	NPS 1/4-NPT FISHER 912N REGULATOR; 2.7-5.0 PSIG SPRING; STD MATL'S			3	3								
\longrightarrow															
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$\overline{}$															
o	PDI-113	1	MIDWEST MODEL 120AA DIFFERENTIAL PRESSURE INDICATOR:			1.5	2								
			6000 PSIG MWP, 0-10 PSID, DUAL SCALE, STD MATL'S												
			(SHIPPED LOOSE w/ V-113, INSTALLED BY OTHERS)												
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$\overline{}$			TOTAL PAGE WEIGHT (Lbs.):				25					<u> </u>			
R	EVISIONS	3	NOTES: *** SEE NOTE COLUMN FOR APPLICATION NUMBERS ***		BY:	RV	VM			CAS	<i>ջ</i> ∩!!		The information cont	tained herein is the a	Infidential property of ALCO Gas & Oil
REV.		REV. BY	1. MATERIAL TO MEET THE NOTES AND REQUIREMENTS AS OUTLINED ON THE LAYOUT DRAW	VING.	DATE:	Feb. 2		ΔΙ	CO =	GAO	& OIL	IT TC	Production Equipmen	nt Ltd., and is not for pub	copied or communicated to a third party
	Mar. 15, 2011			-	CHK'D		•				TON EQUIPMENT LIMITE	NILID.	without authorization	in writing from ALCO	Gas & Oil Production Equipment Ltd.
$\overline{}$	•				CHK'D						BILL OF M		_S		
-+					APP'D:			1	CC	NDENSA	TE STABILIZ			Γ-400)	
$\overline{}$					CUSTO	DMER:	HUSKY OII	OPERATIO	NS LIMITED c/o EXCEL				•	•	COMPRESSOR STATION
•															

REV. NO.	ITEM	QTY	DESCRIPTION	MATERIAL	NOTE	UNIT WEIGHT	TOTAL WEIGHT	WHSE	SUPPLIER	DEL'Y DATE	P.O. NUMBER	P.O. DATE	UNIT PRICE	TOTAL PRICE	REMARKS
	DI 404	40	WILLY COO ST DESCRIPE OFFICE AT DIAL AND A 1/2 MET LOWER MOUNT			4.5	40								
	PI-401		WIKA 233.54 PRESSURE GAUGE: 4" DIAL, NPS 1/2-NPT LOWER MOUNT,			1.5	18					<u> </u>			
	PI-402		LIQUID FILLED, 0-300 PSIG PRESSURE RANGE, STD MATL'S									<u> </u>			
	PI-403		**(PI-440 & PI-441 SHIPPED LOOSE, INSTALLED BY OTHERS)**												
	PI-404 PI-405		**(PI-113 SHIPPED LOOSE w/ V-113, INSTALLED BY OTHERS)**												
	PI-405 PI-406				+							<u> </u>			
	PI-406 PI-407										-	<u> </u>			
	PI-407 PI-408														
	PI-408														
	PI-440														
	PI-441											 	<u> </u>		
	PI-113														
	11110														
												1			
	PI-410	2	WIKA 111.10 PRESSURE INDICATOR, 2 1/2" DIAL, NPS 1/4-NPT LOWER MOUNT.	1		1.5	3								
	PI-411		DRY, 0-30 PSIG PRESSURE RANGE, DUAL SCALE, STD MATL'S												
	PIT-400		ROSEMOUNT PRESSURE TRANSMITTER:			5	20								MR'D 8169-50-03
	PIT-401		MODEL 3051S2TG3A2E11A1AD1E6M5, 0-800 PSIG RANGE,									ļ			
	PIT-402		CALIBRATE 0-400 PSIG, 4-20 mA + HART OUTPUT, LCD DISPLAY,												
	PIT-403		CSA-XP (C1D1) RATING, STD MATL'S								 				ļ
										1	 	-	-		
					1					-	 	1	-		1
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			TOTAL PAGE WEIGHT (Lbs.):		+		41								
	REVISIONS		NOTES: *** SEE NOTE COLUMN FOR APPLICATION NUMBERS ***		BY:	D\/	VM			<u> </u>	0.0"	1	<u> </u>		1
REV.		REV. BY	1. MATERIAL TO MEET THE NOTES AND REQUIREMENTS AS OUTLINED ON THE LAYOUT DRA	WING	DATE:	Feb. 2		ΑT	CO =	GAS	& OIL		Production Equipmer	nt Ltd., and is not for pul	onfidential property of ALCO Gas & Oil olication. The information is issued on the
			I. MIATENIAL TO MIEET THE MOTES AND REQUIREMENTS AS OUTLINED ON THE LAYOUT DRA	AVVIING.		reb. Z	J, ZUII			PRODUC	FION EQUIPME	NILID.	understanding that r	no part therof shall be	copied or communicated to a third party O Gas & Oil Production Equipment Ltd.
U	Mar. 15, 2011	KWM			CHK'D					*GP of the ALCO GAS &	DIL PRODUCTION EQUIPMENT LIMIT			-	
					CHK'D			1			BILL OF M			- 400'	
					APP'D:						TE STABILIZ		•		
					CUSTO				NS LIMITED c/o EXCEL						COMPRESSOR STATION
			Printed: 17/03/2011, 2:44 PM NOTE: ONE (1) UN	<u>IIT REQU</u> IRED	. L.S.D.:	<u>03-06-0</u> 49-1	8 W5M		DWG/SHOP ORD	ER:	B-20	<u>)11-8</u> 169	-50B-008/	017	REV. 0

REV. NO.	ITEM	QTY	DESCRIPTION	MATERIAL	NOTE	UNIT WEIGHT	TOTAL WEIGHT	WHSE	SUPPLIER	DEL'Y DATE	P.O. NUMBER	P.O. DATE	UNIT PRICE	TOTAL PRICE	REMARKS
	PSLL-400		NPS 1/4-NPT CCS DUAL SNAP 6900GE12 PRESSURE SWITCH: SET @ 5 PSIG FALLING, 3-20 PSIG DECREASE RANGE, 500 PSIG MWP, CLASS I DIV I, X.P., 24VDC, STD MATL'S			2	2								
	PSHH-400		NPS 1/4-NPT CCS DUAL SNAP 6900GE14 PRESSURE SWITCH: SET @ 31 PSIG RISING, 6-75 PSIG RISING RANGE, 500 PSIG MWP,			2	2								
			CLASS I DIV I, X.P., 24VDC, STD MATL'S												
	PSV-400		NPS 1 1/2-CL300 RF x 2-CL150 RF CROSBY 1 1/2F2-JOS-E-35-J RELIEF			50	50								
			VALVE: 0.307 sq.in. "F" ORIFICE, SET @ 230 PSIG, -20/650°F DESIGN TEMP, GAS SERVICE, STD MATL'S												
	D0)/ 404	4	NEO 4 MAIET - NEO 4 ENET ORGODY COMMORAN RELIEF VALVE												
	PSV-401 PSV-402		NPS 1-MNPT x NPS 1-FNPT CROSBY 961102MA RELIEF VALVE: 0.110 sq.in. ORIFICE, SET @ 400 PSIG, GAS SERVICE, STD MATL'S			16	64								
	PSV-403 PSV-404														
						100									
	PV-400 PV-401		NPS 2-CL300 FISHER D4 CONTROL VALVE AND ACTUATOR: 1 1/4" DIA PORT, M-FORM TRIM, FAIL CLOSED, BENCH SET @ 6-30 PSIG, 400 PSIG SHUTOFF, STD MATL'S			120	240								MR'D 8169-50-04
	PV-402		NPS 1-NPT FISHER D4 CONTROL VALVE AND ACTUATOR,			64	64								MR'D 8169-50-05
			3/4" DIA. PORT, M-FORM TRIM, FAIL OPEN, BENCHSET AT 6-30 PSIG, 400 PSIG SHUTOFF, STD MATL'S												
			TOTAL PAGE WEIGHT (Lbs.):		->-		422								
REV.	DATE Mar. 15, 2011	REV. BY	NOTES: *** SEE NOTE COLUMN FOR APPLICATION NUMBERS *** 1. MATERIAL TO MEET THE NOTES AND REQUIREMENTS AS OUTLINED ON THE LAYOUT DRAW	/ING.	BY: DATE: CHK'D	Feb. 2	VM 5, 2011	ΑI	co ≡	PRODUCT	& OIL TON EQUIPME	NILID.	Production Equipment understanding that in	t Ltd., and is not for put to part therof shall be	onfidential property of ALCO Gas & Oil ilication. The information is issued on the copied or communicated to a third party I Gas & Oil Production Equipment Ltd.
	IVIGI. 10, 2011	IXVVIVI			CHK'D CHK'D APP'D:						BILL OF M TE STABILIZATE	IATERIAI		Γ-400)	
					CUSTO	DMER:	HUSKY OIL	OPERATIO	NS LIMITED c/o EXCEL				`		COMPRESSOR STATION
			Printed: 17/03/2011, 2:44 PM NOTE: ONE (1) UNI	T REQUIRED	. L.S.D.:	03-06-049-18	8 W5M		DWG/SHOP ORDI	ER:	B-20	011-8169	-50B-009/0)17	REV. 0

REV. NO.	ITEM	QTY	DESCRIPTION	MATERIAL	NOTE	UNIT WEIGHT	TOTAL WEIGHT	WHSE	SUPPLIER	DEL'Y DATE	P.O. NUMBER	P.O. DATE	UNIT PRICE	TOTAL PRICE	REMARKS
	PVRV-400		SENTINEL 8-8A THIEF HATCH: 16 oz. PRESSURE, 0.40 oz. VACUUM RELIEF,			25	25								
			c/w GASKETS AND BOLTING, STD MATL'S												
	PY-400	7	FISHER i2P-100 ELECTRO-PNEUMATIC TRANSDUCER: 4-20 mA INPUT SIGNAL,			5.5	39								
	PY-401		6-30 PSIG OUTPUT SIGNAL, 24VDC, CLASS 1, DIV.1, XP, STD MATL'S												
	PY-402														
	TY-408														
	TY-409A														
	TY-409B	1													
	LY-400											-			
	TC-400	1	KIMRAY T-12DAS TEMPERATURE CONTROLLER: SNAP ACTION,			8	8								
	10-400	'	-30°F TO 400°F TEMPERATURE RANGE c/w KIMRAY 1"-SS-12 C.S			- ° -						1			
			SEPARABLE SOCKET, SWEET I/A SUPPLY												
	TE-408		RTD ASSEMBLY: 3-WIRE, 100 OHM Pt SENSOR, SPRING LOADED,			4	4								MR'D 8169-50-03
			0.250" DIAMETER, 1/2" MNPT WELL CONN., 3" LG UNION-NIPPLE EXTENSION,												
			9" LG. SENSOR INSERTION LENGTH, ALUMINUM CONNECTION HEAD,												
		1	C1D1-XP RATING												
					1	-						-			
	TE-409	2	RTD ASSEMBLY: 3-WIRE, 100 OHM Pt SENSOR, SPRING LOADED,			4	8								MR'D 8169-50-03
	TE-414		0.250" DIAMETER, 1/2" MNPT WELL CONN., 3" LG UNION-NIPPLE EXTENSION,			 									WILL D 109-00-03
			4" LG. SENSOR INSERTION LENGTH, ALUMINUM CONNECTION HEAD,												
		Ì	C1D1-XP RATING												
	_										_				
			TOTAL PAGE WEIGHT (Lbs.):				84								
	REVISIONS		NOTES: *** SEE NOTE COLUMN FOR APPLICATION NUMBERS ***		BY:		VM			GAS	& OIL		The information conf	ained herein is the co	onfidential property of ALCO Gas & Oil lication. The information is issued on the
REV.		REV. BY	1. MATERIAL TO MEET THE NOTES AND REQUIREMENTS AS OUTLINED ON THE LAYOUT DRA	WING.	DATE:	Feb. 2	5, 2011	$ \mathbf{A} $	CO =		TION EQUIPMEN	NT LTD	understanding that n	o part therof shall be	lication. The information is issued on the copied or communicated to a third party Gas & Oil Production Equipment Ltd.
0	Mar. 15, 2011	RWM			CHK'D						DIL PRODUCTION EQUIPMENT LIMITE	D PARTNERSHIP.		III WITHING FROM ALCC	હતક & Oil Production Equipment Ltd.
					CHK'D						BILL OF M				
					APP'D:						TE STABILIZ		,	,	
					CUSTO				NS LIMITED c/o EXCE						COMPRESSOR STATION
			Printed: 17/03/2011, 2:44 PM NOTE: ONE (1) UN	IIT REQUIRED	. L.S.D.:	03-06-049-1	8 W5M		DWG/SHOP ORD	ER:	B-20	11-8169	-50B-010/0)17	REV. 0

REV. NO.	ITEM	QTY	DESCRIPTION	MATERIAL	NOTE	UNIT WEIGHT	TOTAL WEIGHT	WHSE	SUPPLIER	DEL'Y DATE	P.O. NUMBER	P.O. DATE	UNIT PRICE	TOTAL PRICE	REMARKS
	TI-400		GAUGETECH BIMETAL "GT-3 SERIES" THERMOMETER: 3" DIAL,			1.5	3								
	TI-411		CENTER BACK MOUNT, TYPE 304SS, DUAL SCALE, 50-500°F RANGE,												
			NPS 1/2-NPT CONNECTION w/ 12" LG. STEM												
-	TI-113	1	GAUGETECH BIMETAL "GT-3 SERIES" THERMOMETER: 3" DIAL,		+	1.5	2								
	11-113		CENTER BACK MOUNT, TYPE 304SS, DUAL SCALE, 0-250°F RANGE,			1.0									
			NPS 1/2-NPT CONNECTION w/ 12" LG. STEM												
			(SHIPPED LOOSE w/ V-113, INSTALLED BY OTHERS)												
	TI-407		GAUGETECH BIMETAL "GT-3 SERIES" THERMOMETER: 3" DIAL,			1.5	3								
	TI-413		CENTER BACK MOUNT, TYPE 304SS, DUAL SCALE, -40-160°F RANGE,												
			NPS 1/2-NPT CONNECTION w/ 6" LG. STEM												
1	TI-401	7	GAUGETECH BIMETAL "GT-3 SERIES" THERMOMETER: 3" DIAL,			1.5	11			 					
	TI-402		CENTER BACK MOUNT, TYPE 304SS, DUAL SCALE, 0-250°F RANGE,												
	TI-403		NPS 1/2-NPT CONNECTION w/ 4" LG. STEM												
	TI-404		**(TI-440 & TI-441 SHIPPED LOOSE, INSTALLED BY OTHERS)**												
	TI-410														
	TI-440														
	TI-441														
	TI-405	2	GAUGETECH BIMETAL "GT-3 SERIES" THERMOMETER: 3" DIAL,			1.5	3								
	TI-406		CENTER BACK MOUNT, TYPE 304SS, DUAL SCALE, -40-160°F RANGE,			1.0									
			NPS 1/2-NPT CONNECTION w/ 4" LG. STEM												
	TIT-408	2	ROSEMOUNT TEMPERATURE TRANSMITTER: MODEL			4	12						-		MR'D 8169-50-03
	TIT-408		3144PD1A1K6M5, CALIBRATE 0-500°F, INPUT FROM 100 ohm Pt RTD,			4	12								MIK D 6169-50-03
	TIT-414		LCD DISPLAY, 4-20 mA + HART OUTPUT, CSA-XP (C1D1) RATING, STD MATL'S												
	1		=, . =							1			1		
										<u> </u>					
	TSHH-412		NPS 1/2-NPT CCS DUAL SNAP 6900TUE20 ELECTRIC TEMPERATURE SWITCH:			2	2			ļ					
<u> </u>			PROBE TYPE w/ 5'-0" CAPILLARY TUBE, 385-565°F (INCREASING) RANGE,							-			-		
-			SPDT, 24V DC, SET @ 400°F, MAX. PROBE TEMP 650°F, XP, CLASS I DIV I										-		
										 			 		
			TOTAL PAGE WEIGHT (Lbs.):				35			<u> </u>			1		
	REVISIONS	S	NOTES: *** SEE NOTE COLUMN FOR APPLICATION NUMBERS ***		BY:	RV	VM			GAS	& OIL	•	The information con	tained herein is the	onfidential property of ALCO Gas & Oil
REV.	DATE	REV. BY	1. MATERIAL TO MEET THE NOTES AND REQUIREMENTS AS OUTLINED ON THE LAYOUT DRA	WING.	DATE:	Feb. 2	5, 2011	IAI	_col≡I		TION EQUIPME	NT I TO	Production Equipmer understanding that r	nt Ltd., and is not for pu no part therof shall be	olication. The information is issued on the copied or communicated to a third party
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					CHK'D						BILL OF M	ATERIA	LS		
					APP'D:			<u>L</u>	C(NDENS/	ATE STABILIZ	ZER UNI	T (TAG #: ⁻	T-400)	
					CUSTO			OPERATIO	NS LIMITED c/o EXCE	SIOR ENGI	NEERING LTD.	LOCAT	ION:	MINEHEAD (COMPRESSOR STATION
			Printed: 17/03/2011, 2:44 PM NOTE: ONE (1) UN	IT REQUIRED	. L.S.D.:	03-06-049-18	3 W5M		DWG/SHOP ORD	ER:	B-20	011-8169	-50B-011/0	017	REV. 0

REV. NO.	ITEM	QTY	DESCRIPTION	MATERIAL	NOTE	UNIT WEIGHT	TOTAL WEIGHT	WHSE	SUPPLIER	DEL'Y DATE	P.O. NUMBER	P.O. DATE	UNIT PRICE	TOTAL PRICE	REMARKS
	TV-400		NPS 1-NPT FISHER D2 CONTROL VALVE AND ACTUATOR, 1/2" DIA. PORT,			17	17								MR'D 8169-50-05
			VARIABLE TRAVEL, FAIL CLOSED, 0-35 PSIG, STD MATL'S												
	TV-408		NPS 2-CL300 FISHER D4 CONTROL VALVE AND ACTUATOR:			120	120								MR'D 8169-50-04
			1 1/4" DIA PORT, M-FORM TRIM, FAIL OPEN, BENCH SET @ 6-30 PSIG,												
			400 PSIG SHUTOFF, STD MATL'S												
	TV-409A	2	NPS 2-CL300 FISHER D4 CONTROL VALVE AND ACTUATOR:			120	240								MR'D 8169-50-04
	TV-409B		1" DIA PORT, M-FORM TRIM, FAIL CLOSED, BENCH SET @ 6-30 PSIG,												
			400 PSIG SHUTOFF, STD MATL'S												
				+									<u> </u>		
				1						 		1	1		
				+											
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			TOTAL BAGE MEIOUT (L.)				077			<u> </u>					
	REVISIONS	<u> </u>	TOTAL PAGE WEIGHT (Lbs.): NOTES: *** SEE NOTE COLUMN FOR APPLICATION NUMBERS ***		BY:	D\/	377 VM			040	0.04				
REV.		REV. BY	1. MATERIAL TO MEET THE NOTES AND REQUIREMENTS AS OUTLINED ON THE LAYOUT DR	AWING	DATE:	Feb. 2		ΛT		GAS	& OIL		Production Equipmen	nt Ltd., and is not for pul	onfidential property of ALCO Gas & Oil olication. The information is issued on the
	Mar. 15, 2011		1. WELLETINE TO MILET THE MOTEO AND NEWOINCIMENTO AS SOTELINED ON THE ENTOUT DA	WING.	CHK'D	1 00. 2	o, 2011			PRODUCT	TION EQUIPME	NT LTD.	understanding that r without authorization	no part therof shall be in writing from ALCO	copied or communicated to a third party D Gas & Oil Production Equipment Ltd.
	10, 2011				CHK'D			<u> </u>	<u> </u>	OF SHERICU GAS &	BILL OF M		LS		
					APP'D:			1	CC	ONDENSA	ATE STABILIZ			T-400)	
					CUSTO	DMER:	HUSKY OIL	OPERATIO	NS LIMITED c/o EXCEL				•		COMPRESSOR STATION
			Printed: 17/03/2011, 2:44 PM NOTE: ONE (1) U	NIT REQUIRED	L.S.D.:				DWG/SHOP ORDI				-50B-012/	017	REV. 0

REV. NO.	ITEM	QTY	DESCRIPTION	MATERIAL	NOTE	UNIT WEIGHT	TOTAL WEIGHT	WHSE	SUPPLIER	DEL'Y DATE	P.O. NUMBER	P.O. DATE	UNIT PRICE	TOTAL PRICE	REMARKS
	TW-400	2	NPS 1/2-NPT-x NPS 3/4-NPT x 12" LG. THERMOWELL, 0.260" BORE,			2	4								
	TW-411		10 1/2"-'U' LENGTH, AB CRN, 304SS MATL'S												
	T11/ / / 0		NEO (10 NET NEO 01/NET 100 LO TUEDMONEU 0 000 EDDE												
	TW-113		NPS 1/2-NPT-x NPS 3/4-NPT x 12" LG. THERMOWELL, 0.260" BORE,			2	2					<u> </u>			
-			10 1/2"-'U' LENGTH, AB CRN, 304SS MATL'S **(SHIPPED LOOSE w/ V-113, INSTALLED BY OTHERS)**								-	1			
-			(Offile ED EOOSE W/ V-113, INSTALLED BY OTHERS)												
	TW-408	1	NPS 1/2-NPT-x NPS 3/4-NPT x 9" LG. THERMOWELL, 0.260" BORE,			2	2								
			7 1/2"-'U' LENGTH, AB CRN, 304SS MATL'S												
	T\\\\ 440		NDC 4/0 NDT NDC 4 NDT OILLO, THEDMOMELL, O 2051 DODE			0						<u> </u>			
	TW-412		NPS 1/2-NPT x NPS 1-NPT x 9" LG. THERMOWELL, 0.385" BORE, 7 1/2"-'U' LENGTH, AB CRN, 304SS MATL'S			2	2								
			7 1/2 - 0 LENGTH, AB CKN, 30433 MATE 3												
	TW-405		NPS 1/2-NPT-x NPS 3/4-NPT x 6" LG. THERMOWELL, 0.260" BORE,			2	4								
	TW-406		4 1/2"-'U' LENGTH, AB CRN, 304SS MATL'S												
	TW 404	44	NDO 4/0 NDT - NDO 0/4 NDT - 411 O THERMONELL O 0001 DODE			0	00								
	TW-401 TW-402		NPS 1/2-NPT-x NPS 3/4-NPT x 4" LG. THERMOWELL, 0.260" BORE, 2 1/2"-'U' LENGTH, AB CRN, 304SS MATL'S			2	22								
	TW-402		**(TW-440 & TW-441 SHIPPED LOOSE, INSTALLED BY OTHERS)**												
	TW-404		(1W-440 & 1W-441 Offil 1 ED EGGGE, INGTALLED BT OTTIENG)												
	TW-407														
	TW-409														
	TW-410														
	TW-413														
	TW-414														
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<u> </u>	REVISIONS	<u> </u>	TOTAL PAGE WEIGHT (Lbs.) NOTES: *** SEE NOTE COLUMN FOR APPLICATION NUMBERS ***		BY:	D\/	36 VM				0.0"				l
REV.		REV. BY	1. MATERIAL TO MEET THE NOTES AND REQUIREMENTS AS OUTLINED ON THE LAYOUT DR	AWING	DATE:	Feb. 2		ΛT		GAS	& OIL		Production Equipmen	t Ltd., and is not for pub	onfidential property of ALCO Gas & Oil slication. The information is issued on the
	Mar. 15, 2011		1. WATERIAL TO MILL THE MOTEO AND REGUINEMENTO ACCOUNTINED ON THE ENTOUT DR	AVVIIVO.	CHK'D	1 00. 2	o, 2011			PRODUCT	TION EQUIPME	NT LTD.	understanding that n without authorization	o part therof shall be in writing from ALCC	copied or communicated to a third party Gas & Oil Production Equipment Ltd.
	10, 2011	1 7 4 4 141			CHK'D				· · · · · · · · · · · · · · · · · · ·	GF UI (RE ALCU GAS &)	BILL OF M		S		
					APP'D:			1	CC	ONDENS/	ATE STABILIZ			Γ-400)	
					CUSTO	OMER:	HUSKY OIL	OPERATIO	ONS LIMITED c/o EXCEL						COMPRESSOR STATION
			Printed: 17/03/2011, 2:44 PM NOTE: ONE (1) U	NIT REQUIRED					DWG/SHOP ORDI				-50B-013/0		REV. 0
			Finited. 17/09/2011, 2.44 FW NOTE: ONE (I) U	INII NEWUIKED	L.S.D	00-00-043-10	U VVJIVI		DWG/SHOF UKDI	_1\.	D-2(711-0109	-300-013/(, , ,	NEV. U

REV. NO.	ITEM	QTY	DESCRIPTION	MATERIAL	NOTE	UNIT WEIGHT	TOTAL WEIGHT	WHSE	SUPPLIER	DEL'Y DATE	P.O. NUMBER	P.O. DATE	UNIT PRICE	TOTAL PRICE	REMARKS
	BA-2008		NPS 1/4-NPT BALON LM-02362 BALL VALVE: 2000 PSIG @ 100°F,			1.8	4								MR'D 8169-50-06
			REGULAR PORT; STD MATL'S												
	BA-2008	1	NPS 1/2-NPT BALON LM-05361 BALL VALVE: 2000 PSIG @ 100°F,			2.2	2								MR'D 8169-50-06
			REGULAR PORT; STD MATL'S												
	BA-2008		NPS 1-NPT BALON LM-10361 BALL VALVE: 2000 PSIG @ 100°F,			4.4	48								MR'D 8169-50-06
			REGULAR PORT; STD MATL'S												
	BA-2008	1	NPS 2-NPT BALON 2R-F03-SE BALL VALVE: 2000 PSIG @ 100°F,			17.5	18								MR'D 8169-50-06
	DA-2000		REGULAR PORT; STD MATL'S			17.5	10								WIN D 6169-30-00
			,												
	BA-300	26	NPS 2-CL300 RF BALON 2R-F33-RF BALL VALVE; 740 PSIG @ 100°F;			32	832								MR'D 8169-50-06
			REGULAR PORT; STD MATL'S												
			(TWO VALVES SHIPPED LOOSE w/ V-113, INSTALLED BY OTHERS)												
	BA-300	3	NPS 4-CL300 RF BALON 4R-F33-RF BALL VALVE; 740 PSIG @ 100°F;			102	306								MR'D 8169-50-06
	DA-300		REGULAR PORT; STD MATL'S			102	300								WIN D 8109-30-00
-															
-															
	_														
	GA-808		NPS 1/2-NPT GATE VALVE: CLASS 800; 1975 PSIG @ 100°F REGULAR PORT; STD MATL'S			4	16								
			REGULAR FORT, STD WATES												
-	GA-808	2	NPS 3/4-NPT GATE VALVE: CLASS 800; 1975 PSIG @ 100°F		1	4.4	9						-	-	
	GA-606		REGULAR PORT; STD MATL'S			4.4	9					1			
			·												
	GA-808	3	NPS 1-NPT GATE VALVE: CLASS 800; 1975 PSIG @ 100°F		1	8.4	25					1			
	071 000		REGULAR PORT; STD MATL'S			0.1	20								
			TOTAL PAGE WEIGHT (Lbs.):				1,260								
	REVISIONS		NOTES: *** SEE NOTE COLUMN FOR APPLICATION NUMBERS ***		BY:		VM			GAS	& OIL		The information cont	tained herein is the co	onfidential property of ALCO Gas & Oil slication. The information is issued on the
REV.		REV. BY	1. MATERIAL TO MEET THE NOTES AND REQUIREMENTS AS OUTLINED ON THE LAYOUT DRA	WING.	DATE:	Feb. 2	5, 2011	AL	_CO =	PRODUC1	ION EQUIPME	NILID.	understanding that n	o part therof shall be	olication. The information is issued on the copied or communicated to a third party Gas & Oil Production Equipment Ltd.
0	Mar. 15, 2011	KVVIVI			CHK'D CHK'D			-		*GP of the ALCO GAS & C	BILL OF M				·
	 				APP'D:			BILL OF MATERIALS CONDENSATE STABILIZER UNIT (TAG #: T-400)							
					CUSTO			OPERATIO	ONS LIMITED c/o EXCEL				•	,	COMPRESSOR STATION
			Printed: 17/03/2011, 2:44 PM NOTE: ONE (1) UN	IIT REQUIRED	L.S.D.:	03-06-049-1	3 W5M	•	DWG/SHOP ORDI	ER:	B-20	11-8169	-50B-014/0)17	REV. 0

REV. NO.	ITEM	QTY	DESCRIPTION	MATERIAL	NOTE	UNIT WEIGHT	TOTAL WEIGHT	WHSE	SUPPLIER	DEL'Y DATE	P.O. NUMBER	P.O. DATE	UNIT PRICE	TOTAL PRICE	REMARKS
	GA-808	2 1	NPS 1 1/2-NPT GATE VALVE: CLASS 800; 1975 PSIG @ 100°F			15.2	30								
	011000		REGULAR PORT; STD MATL'S												
	2											ļ			
	GA-808		NPS 2-NPT GATE VALVE: CLASS 800; 1975 PSIG @ 100°F REGULAR PORT; STD MATL'S			23.3	47								
		r	REGULAR FORT, STD MATES												
												1			
												1			
												1	<u> </u>		
	01.000		UPO 4 NIPT OF ODE VALVE OF ACCOUNT ACCOUNTS									ļ			
	GL-808	4 1	NPS 1-NPT GLOBE VALVE: CLASS 800; 1975 PSIG @ 100°F REGULAR PORT; STD MATL'S			8.6	34					1	 		
		Г	REGULAR PORT, STD MATES												
	GL-300	4 1	NPS 2-CL300 RF GLOBE VALVE; 740 PSIG @ 100°F;			83	332								
		F	REGULAR PORT; STD MATL'S												
	GL-300	1 1	NPS 4-CL300 RF GLOBE VALVE; 740 PSIG @ 100°F;			220	220								
	GL-300		REGULAR PORT; STD MATL'S			220	220								
		<u>'</u>	KEOSEI IKT GIKT, GTD WINTEG												
												 			
												-			
	CH-300S	2 1	NPS 2-CL300 RF SWING CHECK VALVE; 740 PSIG @ 100°F;			35	70						1		
	50000		REGULAR PORT; STD MATL'S			- 55	, · ·					1	 		
\vdash												-			
\vdash		-	TOTAL PAGE WEIGHT (Lbs.):				733					1	-		
	REVISIONS	5	NOTES: *** SEE NOTE COLUMN FOR APPLICATION NUMBERS ***		BY:	RV				CAC	0 011	ı	The fact of		
REV.		REV. BY			DATE:	Feb. 2		ΔΤ	_col≡I	GAS	& OIL		Production Equipmen	t Ltd., and is not for pub	nfidential property of ALCO Gas & Oil lication. The information is issued on the copied or communicated to a third party
	Mar. 15, 2011			-	CHK'D		<u> </u>			PRODUCT	TON EQUIPMENT LIMITE	NI LID.			Gas & Oil Production Equipment Ltd.
					CHK'D						BILL OF M		LS		
				APP'D:											
					CUSTO			OPERATIO	ONS LIMITED c/o EXCEL	SIOR ENGI	NEERING LTD.	LOCAT	ION:	MINEHEAD C	OMPRESSOR STATION
			Printed: 17/03/2011, 2:44 PM NOTE: ONE (1) UN	IIT REQUIRED.	L.S.D.:	03-06-049-18	8 W5M		DWG/SHOP ORDE	ER:	B-20	11-8169	-50B-015/0)17	REV. 0

REV. NO.	ITEM	QTY	DESCRIPTION	MATERIAL	NOTE	UNIT WEIGHT	TOTAL WEIGHT	WHSE	SUPPLIER	DEL'Y DATE	P.O. NUMBER	P.O. DATE	UNIT PRICE	TOTAL PRICE	REMARKS
	NE-6008	12	NPS 1/4-NPT PANAM PNV-H-S-4-FF NEEDLE VALVE: SS BODY; STD TRIM			1.3	16								
	NE-6008	11	NPS 1/2-NPT PANAM PNV-H-S-8-FF NEEDLE VALVE: SS BODY; STD TRIM			1.3	14								
			(TWO (2) SHIPPED LOOSE, INSTALLED BY OTHERS)												
	BB-6009	4	NPS 1/2-MNPT x NPS 1/2-FNPT PANAM 2VM-SS-8-RM BLOCK & BLEED			3	12								
			VALVE: SS BODY; STD TRIM												
	BB-6009		NPS 3/4-MNPT x NPS 1/2-FNPT PANAM PGRV-H-S-128-MF MULTI-PORT			3	6								
			GAUGE VALVE: SS BODY; STD TRIM **(TWO VALVES SHIPPED LOOSE w/ V-113, INSTALLED BY OTHERS)**												
			(1WO VALVES SHIFFED LOOSE W/ V-113, INSTALLED BT OTHERS)												
	STR-400		NPS 2-CL300 ANSI RF Y-STRAINER: 740 PSIG @ 100°F; 1/8" PERFORATED SCR	EN;		35	35								
			STD MATL'S												
							_								
	STR-401		NPS 1-NPT Y-STRAINER: 300 PSIG @ 100°F; 1/32" PERFORATED SCREEN; C.I. BODY; STD MATL'S			4.5	5								
			om bost, orb mitte												
			TOTAL PAGE WEIGHT (Lbs.):				87								
REV.	REVISIONS DATE	REV. BY	NOTES: *** SEE NOTE COLUMN FOR APPLICATION NUMBERS *** 1. MATERIAL TO MEET THE NOTES AND REQUIREMENTS AS OUTLINED ON THE LAYOUT DRA	WING	BY: DATE:	RV Feb. 2	VM 5 2011	ΑT	co		& OIL		Production Equipment	Ltd., and is not for pub	nfidential property of ALCO Gas & Oil lication. The information is issued on the
	Mar. 15, 2011		I. WATENAL TO WILLT THE NOTES AND REQUIREMENTS AS OUTLINED ON THE LATOUT DRA	AVVIING.	CHK'D	1 60. 23	U, ZUII	AL		PRODUCT	TON EQUIPMENT LIMITION EQUIPMENT LIMITION	NT LTD. ED PARTNERSHIP.	understanding that n without authorization	p part therof shall be in writing from ALCO	copied or communicated to a third party Gas & Oil Production Equipment Ltd.
					CHK'D						BILL OF M	ATERIA		F 400'	
					APP'D:	MER.	HUSKY OII	 OPERATIO	ONS LIMITED c/o EXCEL		TE STABILIZ				OMPRESSOR STATION
			NOTE: ONE (1) UN	IIT REQUIRED					DWG/SHOP ORDI				-50B-016/0		REV. 0

REV. NO.	ITEM	QTY	DESCRIPTION	MATERIAL	NOTE	UNIT WEIGHT	TOTAL WEIGHT	WHSE	SUPPLIER	DEL'Y DATE	P.O. NUMBER	P.O. DATE	UNIT PRICE	TOTAL PRICE	REMARKS	
+																
			*** ADDITIONAL ITEMS TO COMPLETE ASSEMBLY ***													
			NPS 2 & UNDER SCH. XS SML'S PIPE TO COMPLETE ASSEMBLY	SA-106-B		250	250									
	775	1 LOT	NPS 1 1/2 & UNDER NPT/SW CL3000 FITTINGS TO COMPLETE ASSEMBLY	SA-105N		250	250									
	770	4 I OT	4/4" 9 2/0" O.D. TUDINIC TO COMPLETE ACCEMBLY	24666		400	400									
			1/4" & 3/8" O.D. TUBING TO COMPLETE ASSEMBLY	316SS 316SS		100 100	100									
+	779	1 LOI	PARKER A-LOK (DOUBLE FERRULE) FITTINGS TO COMPLETE ASSEMBLY	31055	_	100	100					<u> </u>				
-												1				
			*** PIPING ISOMETRICS TO COMPLETE ASSEMBLY ***													
	ISO #1		RAW CONDENSATE FROM SKID EDGE TO E-403 (S.S.)			515	515								B-2011-8169-50S-001	
	ISO #2		RAW CONDENSATE FROM E-403 (S.S.) TO SKID EDGE			685	685					ļ			B-2011-8169-50S-002	
	ISO #3		CONDENSATE FROM SKID EDGE TO E-401 (S.S.)			245	245								B-2011-8169-50S-003	
	ISO #4		CONDENSATE FROM E-401 (S.S.) TO T-400			330	330								B-2011-8169-50S-004	
	ISO #5		CONDENSATE FROM E-401 (S.S.) TO T-400 CONT'D			205	205								B-2011-8169-50S-005	
	ISO #6		PRODUCT FROM T-400 TO E-401 (T.S.)			145	145								B-2011-8169-50S-006	
	ISO #7		PRODUCT FROM T-400 TO E-403 (T.S.)			210	210								B-2011-8169-50S-007	
	ISO #8		PRODUCT FROM T-400 TO E-403 (T.S.) CONT'D			150	150								B-2011-8169-50S-008	
	ISO #9 ISO #10		PRODUCT FROM E-401 (T.S.) TO E-403 (T.S.) PRODUCT FROM E-403 (T.S.) TO E-404			155 130	155 130								B-2011-8169-50S-009 B-2011-8169-50S-010	
	ISO #10		PRODUCT FROM E-403 (T.S.) TO E-404 PRODUCT FROM E-403 (T.S.) TO E-404 CONT'D			125	125								B-2011-8169-50S-010	
	ISO #11		PRODUCT FROM E-403 (1.5.) TO E-404 CONT D PRODUCT FROM E-404 TO SKID EDGE		+	180	180								B-2011-8169-50S-012	
	ISO #12		PRODUCT FROM E-404 TO SKID EDGE PRODUCT FROM E-404 TO SKID EDGE CONT'D			255	255								B-2011-8169-50S-013	
	ISO #14		OVERHEADS FROM T-400 TO SKID EDGE			135	135					1			B-2011-8169-50S-014	
	ISO #15		OVERHEADS FROM T-400 TO SKID EDGE CONT'D			260	260								B-2011-8169-50S-015	
	ISO #16		CONDENSATE FROM T-400 TO E-402			240	240								B-2011-8169-50S-016	
	ISO #17		VAPOUR / LIQUID FROM E-402 TO T-400	1	1	230	230						<u> </u>		B-2011-8169-50S-017	
	ISO #18		TV-408 BYPASS			185	185								B-2011-8169-50S-018	
	ISO #19		FLARE HEADER			125	125								B-2011-8169-50S-019	
	ISO #20	1	DRAIN HEADER & TW BOTTLE			25	25								B-2011-8169-50S-020	
	ISO #21	1	RELIEF FROM T-400 TO PSV-400			45	45								B-2011-8169-50S-021	
					1											
			TOTAL PAGE WEIGHT (Lbs.):		D) (F:	5,275									
	EVISIONS		NOTES: *** SEE NOTE COLUMN FOR APPLICATION NUMBERS ***	ALAZINIO	BY:		VM			GAS	& OIL		The information cont	ained herein is the co	onfidential property of ALCO Gas & Oil slication. The information is issued on the	
REV.		REV. BY	1. MATERIAL TO MEET THE NOTES AND REQUIREMENTS AS OUTLINED ON THE LAYOUT DR	AWING.	DATE:	Feb. 2	5, 2011	AL	CO =		ION EQUIPME	NT LTD.	understanding that n	o part therof shall be	copied or communicated to a third party Gas & Oil Production Equipment Ltd.	
U	Mar. 15, 2011	KWM			CHK'D						DIL PRODUCTION EQUIPMENT LIMITI	ED PARTNERSHIP.				
					CHK'D APP'D:			4	00	JUDENIO	BILL OF MATERIALS ONDENSATE STABILIZER UNIT (TAG #: T-400)					
					CUSTO	MED:	HI ISKA Un	ODEDATIO	NS LIMITED c/o EXCEI				,		COMPRESSOR STATION	
			NOTE: ONE (1) U	NIT DECLUDES					DWG/SHOP ORD				10N: - 50B-017/ 0		REV. 0	