

**PROJECT DESCRIPTION**  
**ROZSA ENCHANT BATTERY**  
**100 HP BOOSTER COMPRESSOR UNIT**

Construction for:  
**ROZSA PETROLEUM LTD**  
**ALBERTA**

Construction by:  
**Toromont Process Systems**  
**3615 - 34th Street N.E.**  
**Calgary, Alberta, Canada**  
**T1Y 6Z8**

**GENERAL NOTES:**  
 SITE ELEVATION: 2500 FSL  
 ATMOSPHERIC PRESSURE: 92.46 KPA  
 BAROMETRIC TEMPERATURE: 93.08 KPA  
 AMBIENT TEMPERATURE: -29 DEG.C (LOWEST)  
 32 DEG.C (HIGHEST)  
 INSTALLATION: INDOOR HEATED BUILDING  
 OUTDOOR MIN. -40 DEG.C MAX. 32 DEG.C  
 ELECTRICAL VOLTAGES: 3 / 60 / 480 VAC  
 24 VDC  
 CONTROL SYSTEM INTRINSICALLY SAFE  
 CLASS I DIV. II GROUP C AND D  
 ELECTRICAL CLASSIFICATION:  
 INSTRUMENT AIR SUPPLY: OIL FREE  
 1034 KPA MAXIMUM PRESSURE  
 689 KPA NORMAL PRESSURE  
 -40 DEG.C DEW POINT OR LOWER

**EQUIPMENT LIST**

TAG NO.	DESCRIPTION	P & I D
C-1	GAS COMPRESSOR	10309-100 SHEET 2
CM-1	COMPRESSOR MOTOR	10309-100 SHEET 2
E-1	GAS AFTERCOOLER/OIL COOLER	10309-100 SHEET 2
EM-1	GAS AFTERCOOLER/OIL COOLER MOTOR	10309-100 SHEET 2
H-1	BUILDING HEATER	10309-100 SHEET 2
V-1	SUCTION SCRUBBER	10309-100 SHEET 2
V-2	PRIMARY OIL SEPARATOR	10309-100 SHEET 2
V-3	SECONDARY OIL SEPARATOR	10309-100 SHEET 2

**CONTROL SYSTEM**

-MOT - FIELDWOUND

**ELECTRICAL POWER REQUIREMENTS**

P-1	CHEMICAL INJECTION PUMP	1 / 60 / 120 VAC	1/4 HP
CM-1	COMPRESSOR MOTOR	3 / 60 / 480 VAC	100 HP
H-1	BUILDING HEATER	3 / 60 / 480 VAC	10 KW /
EM-1	GAS AFTERCOOLER/OIL COOLER MOTOR	3 / 60 / 480 VAC	2 HP
	CONTROL PANEL POWER SUPPLY (1 REQUIRED) (CLEAN)	24 VDC	5 AMP

**SYSTEM CHARGES, CONSUMABLES, ETC.**

**FLUID CHARGES**

COMPRESSOR LUBE OIL: APPROX. 75 LITERS OF S5-150 (BASED ON NORMAL OPERATION)  
 INSTRUMENT AIR: 5 CFM (STD) @ 689 KPA  
 (TPS TO SUPPLY FLUIDS AS EXTRA TO CONTRACT)

**CUSTOMER CONTROL SYSTEM INTERFACE (HARDWARE)**

**DRY CONTACTS TO CUSTOMER**

MOTOR START (MOTOR RUN RELAY)

**DRY CONTACTS TO SKID**

PLC RUNNING STATUS / ESD AUXILIARY DRY CONTACTS

REV.	DESCRIPTION	DATE	BY	APPR.
2	AS BUILT	MAR 20/98	AP	DJ
1	ISSUED FOR CONSTRUCTION	JAN 21/98	GS	DJ
A	ISSUED FOR APPROVAL	JAN 09/98	GS	DJ

PERMIT TO PRACTICE STAMP

ENGINEER STAMP

<b>TOROMONT</b>	<b>TOROMONT PROCESS SYSTEMS</b>
DRAWN BY: G. STANGNESS	DATE: JAN 09, 1998
CHKD. BY: D. JAMES	SCALE: N/A
APPR. BY: D. JAMES	W.D. No.: 10309101
CUST. PO No.:	

TITLE: **P & I FLOW DIAGRAM**

FOR: **ROZSA PETROLEUM LTD**  
**ROZSA ENCHANT BATTERY**  
**100 HP BOOSTER UNIT**  
 LSD: 10-20-12-60-W4M

DWG. No.:	10309-101	SHEET No.:	1 OF 3	REV.:	2
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