



- PNEUMATIC TERMINATIONS**
- (63) LOW ENGINE OIL PRESSURE
 - PANEL
 - IGNITION
 - FUEL GAS VALVE
 - ENGINE OIL LEVEL SWITCH
- THERMOCOUPLE TERMINATIONS**
- [1-3] HIGH ENGINE JW TEMPERATURE

GENERAL NOTES

1. INSTRUMENTATION
 - PROCESS TUBING : 1/4" O.D. x .035" WALL, 304SS
 - PROCESS FITTINGS : CADMIUM PLATED W/ 304SS FERRULES
 - OIL TUBING : 1/4" O.D. x .035" WALL, 304SS
 - OIL FITTINGS : CADMIUM PLATED W/ 304SS FERRULES
 - INSTRUMENT TUBING : 1/4" O.D. x .035" WALL, 304SS
 - INSTRUMENT FITTINGS : CADMIUM PLATED W/ 304SS FERRULES
2. UTILITY PIPING
 - ALL PIPING 2" AND LESS SHALL BE MIN. SCH 80
 - SCREWED FITTINGS TO BE 2000# FORGED STEEL
 - NITRO INLET TEST TO 165 PSIG
 - PRIMARY REGULATOR TO BE SET AT 165 PSIG FOR NITRO
 - SECONDARY TO BE SET AT 45 PSIG FOR NITRO

SWEET GAS SERVICE

- | | |
|------------------------|-----------------------------------|
| () BILL OF MAT'L TAG | () SWING CHECK VALVE |
| () PNEUMATIC TAG | () PISTON CHECK VALVE |
| () ELECTRICAL TAG | () IN-LINE CHECK VALVE |
| () PRESSURE GAUGE | () CONTROL VALVE |
| () DIFF. PRESS. GAUGE | () REGULATOR VALVE |
| () THERMOMETER | () REGULATOR/RELIEF VALVE |
| () GAUGE IN PANEL | () THERMOSTAT VALVE |
| () SENSOR IN PANEL | () LUBRICATOR |
| () PULSATION DAMPNER | () *- STRAINER |
| () BALL VALVE | () SMALL PROCESS PIPING |
| () GLOBE VALVE | () TUBING INST. AIR, GAS, or OIL |
| () NEEDLE VALVE | () OVERSPEED SENSOR |
| () RELIEF VALVE | () VIBRATION SENSOR |
| | () CAPILLARY TUBING |

REV	DATE	BY	DESCRIPTION	DATE	SCALE
2	9-08-06	MS	AS BUILT		
1	9-08-06	MS	CUSTOMER ADDED		
0	1-24-06	BEF	FOR CONSTRUCTION	5-14-04	N.T.S.

UTILITY FLOW DIAGRAM
FOR
TAMROTOR E120DGT ARROW VRG-330



CUSTOMER: PENN WEST ENERGY

SHP ORDER: 50-2115
REWORK: 2 9-08-06
DWG: 2115-1B