1036
COMPRESSOR OIL HEATER SYSTEM
480VAC/3PH/60HZ
PUMP: 3HP/30GPM
HEATER: 9kW
OER30904-8F1

C-1000
ARIEL JGC/6
RATED 8210 BHP @ 1200 RPM
5.50" STROKE - 114,000# TRL

M-1100
COMPRESSOR DRIVE MOTOR
TECO WESTINGHOUSE MOTOR COMPANY
5000 BHP @ 4160VAC/3PH/60HZ
WPII ENCLOSURE / CLASS F INSULATION

AC-1800
PROCESS GAS COOLER
AXH 168-22F

F-1815
COOLER FAN
168" DIAMETER MOORE 10K-HD60EC
28.2 BHP @ 259 RPM

F-1817
COOLER FAN
168" DIAMETER MOORE 10K-HD60EC
28.2 BHP @ 259 RPM

1801
1st STAGE GAS INTERCOOLER SECTION
635 PSIG AT 350/-20F
ASME SECTION VIII STAMPED

1802
2nd STAGE GAS AFTERCOOLER SECTION
1287 PSIG AT 350/-20F
ASME SECTION VIII STAMPED

M-1811/M-1813
COOLER FAN DRIVER
40 BHP AT 1800 RPM
1.15SF - 460VAC/3PH/60HZ

FROM CAIMAN ENERGY, LLC
480 V/ 3 PH/ 60 HZ

TC 1019
HS 1017
H1015
P1013
M1021
1036
480VAC / 3PH / 60HZ
3HP / 30GPM
HEATER: 9kW
OER30904-8F1

1026 2"150#RF
1-1/2"x2"
1026
1002
1004 LPD
1"S/80
2"S/80
2"x1"
TI 1008
TW 1006
F-1010 LOCATED IN MAIN STRUCTURE
3"x2"
3"150#RF
1-1/2" S/80
TCV 1012
TW 1014
TE 3930
TAH-185°F
TAHH-187.5°F
1-1/2"NPT 1016
1038
3"x2"
3" 300# FF
1001
1003
INSULATE AND HEAT TRACE
LS 3934
LC 3934
1" S/80
1/2"x1"
1-1/4"x1-1/2"
1009
FS 3901
1030
MANIFOLD 1023
PT 3928
PAL-30 PSIG
PALL-25 PSIG
PI 1005
1007
1018
1/2"NPT
1044
OIL SAMPLE PORT

1"S/80
3/4"S/80
1/2"S/80
3/4"x1/2"
1/2"x1/8"
PACKING VENT/DRAIN
DP DRAIN
DP VENT
2" FNPT
NOTE 4
1-1/2" FNPT
VT 3932
VAHH-1.5 IPS
1"x3/4"
2"S/80 PACKING DRAIN
1"S/80 DISTANCE PIECE DRAINS
1"S/80 PACKING VENT
2"S/80 DISTANCE PIECE VENTS
1002
PSV 1048 SET AT 150 PSIG
MV 9014
MV 9012
IAS 30 PSIG
9000 LC
9006 9008 LO
1/2"NPT 2"NPT 1"NPT 1"NPT 2"NPT 1"NPT
V7
LG 9010
LC 1046
AO
COM NO

CUSTOMER TO ROUTE OUTSIDE BLDG W/ NO POCKETS
UNLOADER VENTS
1052
1050
M-1100
IJB-1107
HJB-1109
MVJB-1105
FROM CAIMAN ENERGY, LLC
4160 V/ 3 PH/ 60 HZ
5000 BHP @ 900 RPM
(MOTOR STARTER BY PURCHASER)
1150
120 VAC/ 1 PH/ 476 WATTS
SPACE HEATER
STATOR RTDS
BEARING RTDS

AC-1800
F-1815
M-1811
F-1817
M-1813
VT 3940
VT 3942

VT 3938
TE 3903 TE 3905 TE 3907 TE 3909 TE 3911 TE 3913 TE 3915 TE 3917
2"x3/4"
VAHH-1.5 IPS
TAH-135°C TAHH-145°C SPARE
TAH-135°C TAHH-145°C
TAH-135°C TAHH-145°C SPARE
TAH-135°C TAHH-145°C
TAH-135°C TAHH-145°C SPARE
TAH-135°C TAHH-145°C
TAH-85°C TAHH-95°C
TAH-85°C TAHH-95°C

3900
PLC
MOUNT ONSKID

NOTES:

1) ALL THREADED VALVE CONNECTIONS SHALL RECEIVE CARBON STEEL A-105 PLUG PRIOR TO PAINT.
2) ALL TUBING TO BE 304SS OR 316SS AND ALL TUBING FITTINGS TO BE CAD PLATED CS SWAGELOK.
3) AIR CONSUMERS SHALL EXHAUST LOCALLY. AG TO INSTALL VENT BREATHER IN ALL OPEN EXHAUST VENTS.
4) AG SHOP TO DRILL AND TAP HEATER MOUNTING BLOCKS 2" NPT FOR HOTSTART SUPPLY.
5) COMPRESOR MAIN BEARING ALARM / SHUTDOWN VALUES SHOWN ARE MAXIMUM VALUES. SETTINGS SHOULD BE ADJUSTED AT STARTUP PER ARIEL PACKAGER STANDARDS GUIDELINES.
6) HEAT TRACE LUBE OIL LINE BETWEEN COMPRESSOR AND OIL LEVEL CONTROLLER.
7) TEE PACKING VENT/DRAIN LINE TO SEPARATE AT DISTANCE PIECE CONNECTION. ROUTE VENT LINE WITH NO POCKETS SUCH THAT IT IS LEVEL OR FREE DRAINING BACK TO TEE. PACKING DRAIN TUBING AFTER TEE SHALL BE ROUTED WITH NO POCKETS SUCH THAT IT IS FREE DRAINING TO COLLECTION POT.

SKID EDGE CONNECTION
LCP — LOCAL CONTROL PANEL MOUNTED OFFSKID
MCC — MOTOR CONTROL CABINET CUSTOMER PROVIDED

CERTIFIED AS BUILT

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DESCRIPTION: UTILITIES FLOW DIAGRAM

A G EQUIPMENT PROJECT: 11379-11381

REVISIONS

NO	DATE	DESCRIPTION	BY
00	1-6-12	FOR APPROVAL	AG
01	9-15-11	FOR CONSTRUCTION	JAL
02	9-27-11	REVISE TUBING MAT'L TO 304SS OR 316SS	JAL
03	4-17-12	ADD BLOWCASE AND DRAIN	JAL
04	6-5-12	AS BUILT	JAL

	NAME	DATE
DRAWN BY	AG	1-6-12
CHECKED BY	JAL	1-6-12
PROJECT ENG.	JAL	1-6-12
APPROVED BY	JAL	1-6-12
CERTIFIED BY	JAL	1-6-12

AG Equipment Co.
BROKEN ARROW, OKLA. 74012 • PHONE 918-250-7386 • FAX 918-250-7393

SCALE: NONE
CUSTOMER P.O. NO.: 210111-0021
SHEET: 1 OF 1
CUSTOMER: CAIMAN ENERGY, LLC
PROJECT: FORT BEELER PLANT RECOMPRESSION
DRAWING NUMBER: 11379-F2
ISSUE: 04