

INDIRECT HEATER

Client: _____ Date: _____

Project: _____ Contact: _____

Location: _____ PSL Reference: _____

1. SITE CONDITIONS

1. _____

Ambient Temperature: °F _____

Design Wind Speed - mph _____

Elevation - feet ASL _____

Earthquake Zone (NBC) _____

2. PROCESS DATA

2. _____

2.1 Gas Composition

2.1 _____

<u>Component</u>	<u>Mole %</u>	
N ₂	_____	_____
CO ₂	_____	_____
H ₂ S	_____	_____
C ₁	_____	_____
C ₂	_____	_____
C ₃	_____	_____
iC ₄	_____	_____
nC ₄	_____	_____
iC ₅	_____	_____
nC ₅	_____	_____
C ₆	_____	_____
C ₇₊	_____	_____
TOTAL	_____	_____
Gas Molecular Weight:	_____	_____

2.2 Free Liquids Composition

<u>Component</u>	<u>Mole %</u>
N ₂	_____
CO ₂	_____
H ₂ S	_____
C ₁	_____
C ₂	_____
C ₃	_____
iC ₄	_____
nC ₄	_____
iC ₅	_____
nC ₅	_____
C ₆	_____
C ₇₊	_____
TOTAL	_____
Oil Gravity: °API	_____
Oil Viscosity: CP	_____

2.2 _____

2.3 Flowrates

Gas:

- Minimum x MMSCFD _____

- Maximum x MMSCFD _____

- Normal x MMSCFD _____

Free Liquids:

- Minimum x BBL/D _____

- Maximum x BBL/D _____

- Normal x BBL/D _____

Free Water:

- Minimum x BBL/D _____

- Maximum x BBL/D _____

- Normal x BBL/D _____

2.3 _____

2.4 Operating Conditions

2.4 _____

Wellhead Shut-In

Pressure: PSIG _____

Inlet Pressure: PSIG _____

Inlet Temperature: °F _____

Required Outlet

Temperature: °F _____

Required Outlet

Pressure: PSIG _____

Is Choke Required:

Yes/No _____

Manual _____

Automatic _____

Pressure Drop Allowance

Across Coil Bundle: PSI _____

Heating Medium Fluid: _____

3. MECHANICAL DATA

3. _____

3.1 Design Conditions

3.1 _____

Coil Design Pressure: _____

Preheat Coil: PSIG _____

Reheat Coil: PSIG _____

Coil Design

Temperature: °F _____

Coil Corrosion

Allowance: inches _____

Coil Radiography: % _____

3.2 Fuel Gas

3.2 _____

Source - Flowline _____
- Other _____

3.3 Instrumentation

3.3 _____

Pneumatic Controls: _____
Yes/No _____

Instrument Gas: _____
Instrument Air: _____
Supply Pressure: PSIG _____

Electric Controls: _____
Yes/No _____
Voltage: _____

Utilities: _____
Electric Power _____
Volts _____
Phases _____
Cycles _____
Maximum Load: KW _____

3.4 Metering

3.4 _____

Is metering required? _____
Gas Yes/No _____
Fuel Gas Yes/No _____
Remote Transmission _____

3.5 Enclosures

3.5 _____

Is building required? _____
