



SEPARATOR UNIT

Client: _____ Date: _____

Project: _____ Contact: _____

Location: _____ PSL Reference: _____

1. SITE CONDITIONS

1. _____

Ambient Temperature: F _____

Design Wind Speed – mph _____

Elevation - feet ASL _____

Earthquake Zone _____

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 Liquid Composition

2.2 _____

<u>Component</u>	<u>Mole %</u> _____	_____
N2	_____	_____
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 _____

Is Oil Waxy: Yes/No _____

Pour Point F _____

Oil Viscosity: CP _____

2.3 Flowrates

2.3 _____

Gas: _____

- Minimum x MMSCFD _____

- Maximum x MMSCFD _____



- Normal x MMSCFD _____

Maximum Free Condensate _____

or Oil: BBL/D _____

Maximum Free _____

Water: BBL/D _____

Slug Volume: BBL _____



2.4 Inlet Conditions

2.4 _____

Operating Pressure:

- Minimum PSIG _____

- Maximum PSIG _____

- Normal PSIG _____

Operating Temperature:

- Minimum F _____

- Maximum F _____

- Normal F _____

3. MECHANICAL DATA

3. _____

3.1 Design Conditions

3.1 _____

Design Pressure: kPag _____

Design Temperature F _____

Vessel Corrosion

Allowance: inches _____

Piping Corrosion



Allowance: inches _____

Separation Required: _____

2 Phase _____

3 Phase _____

Vessel Liquid Retention _____

Time: Minutes _____

3.2 Instrumentation

3.2 _____

Pneumatic Controls: _____

Yes/No _____

Instr. Gas _____

Instr. Air _____

Supply Pressure: KPa _____

Electric Controls: _____

Yes/No _____

Voltage _____

Utilities Available: _____

Electric Power _____

Voltage _____



Phase _____

Cycle _____

Maximum Load KW _____

3.3 Gas Metering 3.3 _____

Orifice Fitting Type: _____

Simplex _____

Quick Change _____

Orifice Flanges _____

Recorder: 2 Pen _____

3 Pen _____

3.4 Liquid Metering 3.4 _____

Positive Displacement _____

Turbine Meter _____

c/w Totalizer _____

3.5 Buildings 3.5 _____

Required: Yes/No _____

Controls Only _____

Total Skid _____

3.6 Size Limits: (Shipping) 3.6 _____



Max. Height: ft. _____

Max. Width: ft. _____

Max. Length: ft. _____

Max. Weight: lbs. _____