

SWEETENING PLANTS

Client: _____ Date: _____

Project: _____ Contact: _____

Location: _____ PSL Reference: _____

1. PROCESS DATA

1. _____

1.1 Gas Flowrate

1.1 _____

Source: _____

Maximum - MMSCFD _____

Minimum - MMSCFD _____

1.2 Inlet Free Liquids

1.2 _____

Source: _____

HC - Bbl/MMSCF _____

H₂O - Bbl/MMSCF _____

1.3 Inlet Pressure

1.3 _____

Maximum - psig _____

Minimum - psig _____

1.4 Inlet Temperature

1.4 _____

Maximum - F _____

Minimum - F _____

1.5 Gas Composition

1.5 _____

<u>Component</u>	<u>Mole %</u>
He	_____
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	_____
C ₈₊	_____
Total	_____

He _____

N₂ _____

CO₂ _____

H₂S _____

C₁ _____

C₂ _____

C₃ _____

iC₄ _____

nC₄ _____

iC₅ _____

nC₅ _____

C₆ _____

C₇ _____

C₈₊ _____

Total _____

1.6 Liquid Composition

1.6 _____

<u>Component</u>	<u>Mole %</u> _____	_____
He	_____	_____
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	_____	_____
C ₈₊	_____	_____
Total	_____	_____

1.7 Downstream of Compressor? 1.7 _____

Yes/No _____

1.8 Ambient Temperature 1.8 _____

Maximum - F _____

Minimum - F _____

1.9 Amine Type 1.9 _____

a) MEA _____

b) DEA _____

c) MDEA _____

d) DGA _____

e) Other (Specify) _____

2. PRODUCT DATA 2. _____

2.1 Sales Gas 2.1 _____

H₂S Limit - PPM _____

CO₂ Limit - % Maximum _____

Maximum H₂O Content _____

Pounds/MMSCF _____

2.2 Sales Pressure Required 2.2 _____

PSIG - Maximum _____

PSIG - Minimum _____

2.3 Acid Gas To 2.3 _____

Flare _____

Sulphur Plant _____

SO₂ Emission Limit _____

2.4 Sour Liquid Treating 2.4 _____

Yes/No _____

2.5 Sour Water 2.5 _____

Disposal Yes/No _____

Stripping Yes/No _____

3. MECHANICAL DATA 3. _____

3.1 Plant Design Pressure 3.1 _____

psig _____

3.2 Corrosion Allowance 3.2 _____

inches _____

3.3 Power Available 3.3 _____

Yes/No _____

Voltage Maximum _____

Phases _____

Cycles _____

3.4 Controls 3.4 _____

Pneumatic Yes/No _____

Electric Yes/No _____

3.5 Alarms 3.5 _____

Local Panel Yes/No _____

Remote Panel Yes/No _____

H₂S Detection _____

Gas Detection _____

Fire Detection _____

3.6 Metering 3.6 _____

Sales Gas _____

Inlet Gas _____

Flare _____

Other _____

Local or Remote _____

3.7 Heating System (Process) 3.7 _____

Direct Fired _____

Indirect (Source) _____

On Skid _____

Off Skid _____

3.8 Winterizing 3.8 _____

Building Yes/No _____

Heat Tracing Yes/No _____

3.9 Storage

3.9 _____

H₂O Make-Up Days _____

Solvent (Amine) Days _____

3.10 Fire Suppression

3.10 _____

Fire Water _____

Chemical _____
