



GLYCOL DEHYDRATION UNIT

Client: _____ Date: _____

Project: _____ Contact: _____

Location: _____ PSL Reference: _____

1. SITE CONDITIONS

1. _____

Ambient Temperature: °F _____

Design Wind Speed - mph _____

Elevation - feet ASL _____

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 Liquid Composition

2.2 _____

| <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 | _____ | _____ |
| Molecular Weight: | _____ | _____ |

2.3 Flowrates

2.3 _____

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 _____

Slug Volume: ft³ _____

2.4 Inlet Conditions

2.4 _____

Operating Pressure: _____



- Minimum PSIG _____
- Maximum PSIG _____
- Normal PSIG _____

Operating Temperature:

- Minimum °F _____
- Maximum °F _____
- Normal °F _____

3. PRODUCT DATA

3. _____

3.1 Sales Gas

3.1 _____

Water Content: #/MMSCF _____

4. MECHANICAL DATA

4. _____

4.1 Design Conditions

4.1 _____

Design Pressure:

PSIG _____

°F _____

Vessel Corrosion

Allowance: inches _____

Piping Corrosion

Allowance: inches _____

4.2 Instrumentation

4.2 _____

Pneumatic Controls: _____

Yes/No _____

Inst Air or Nat. Gas _____

Electric Controls: _____

Yes/No _____
 Voltage _____

Utilities Available: _____

Electric Power _____
 Voltage _____
 Phase _____
 Cycle _____

Instrument Air: _____

PSIG _____

4.3 Circulating Pump 4.3 _____

Glycol Powered _____
 Gas Powered _____
 Electric Powered _____

4.4 Metering 4.4 _____

4.4.1 Inlet Gas 4.4.1 _____

Yes/No _____

4.4.2 Sales Gas 4.4.2 _____

Yes/No _____

Orifice Fitting Type: _____
 Orifice Flanges _____
 Simplex _____
 Quick Changer _____

4.4.3 Liquids 4.4.3 _____

Yes/No _____

Local/Remote _____



Positive _____
Displacement Meter _____
Turbine Meter _____
c/w Totalizer _____

Specify if liquids are re-injected _____
into gas outlet after metering. _____