



## 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 <sub>2</sub>	_____	_____
CO <sub>2</sub>	_____	_____
H <sub>2</sub> S	_____	_____
C <sub>1</sub>	_____	_____
C <sub>2</sub>	_____	_____
C <sub>3</sub>	_____	_____
iC <sub>4</sub>	_____	_____
nC <sub>4</sub>	_____	_____
iC <sub>5</sub>	_____	_____
nC <sub>5</sub>	_____	_____
C <sub>6</sub>	_____	_____
C <sub>7+</sub>	_____	_____
Total	_____	_____
Gas Molecular Weight:	_____	_____

## 2.2 Liquid Composition

2.2 \_\_\_\_\_

<u>Component</u>	<u>Mole %</u> _____	_____
N <sub>2</sub>	_____	_____
CO <sub>2</sub>	_____	_____
H <sub>2</sub> S	_____	_____
C <sub>1</sub>	_____	_____
C <sub>2</sub>	_____	_____
C <sub>3</sub>	_____	_____
iC <sub>4</sub>	_____	_____
nC <sub>4</sub>	_____	_____
iC <sub>5</sub>	_____	_____
nC <sub>5</sub>	_____	_____
C <sub>6</sub>	_____	_____
C <sub>7+</sub>	_____	_____
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: ft <sup>3</sup>	_____	_____

## 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. \_\_\_\_\_