



# Separator Design Information



Date: \_\_\_\_\_

## Operating Conditions

### Liquid Volumes:

Oil/Condensate (B/D) \_\_\_\_\_ Gravity (API) \_\_\_\_\_ Viscosity (cp) \_\_\_\_\_

Water (B/D) \_\_\_\_\_ Sp. Gr. (Water =1.0) \_\_\_\_\_

### Oil/Condensate Characteristics:

Foaming:  Nil  Moderate  Severe

Paraffin Problem:  No  Yes If Yes, give cloud point (°F) \_\_\_\_\_

Slug Flow:  No  Yes

If Yes, give details such as maximum liquid rate, slug volume etc., suggest surge factor:

\_\_\_\_\_

Gas: (MMSCFD) \_\_\_\_\_ Sp. Gr. (Air = 1.0): \_\_\_\_\_

Operating Temp (°F) Max: \_\_\_\_\_ Min: \_\_\_\_\_

Operating Pressure (psig) Max: \_\_\_\_\_ Min: \_\_\_\_\_

H<sub>2</sub>O Content (Mole %): \_\_\_\_\_ CO<sub>2</sub> Content (Mole %): \_\_\_\_\_

Geographical Location: \_\_\_\_\_

## Design Requirements:

Type:  Vertical  Horizontal  Spherical

Manufacturer's Recommendation: \_\_\_\_\_

Two-Phase  Three-Phase

Design Pressure (psig): \_\_\_\_\_ at temperature (°F): \_\_\_\_\_

Type Mist Extractor (Specify): \_\_\_\_\_

Liquid Retention Time: \_\_\_\_\_

Corrosion Allowance (inches): \_\_\_\_\_

Corrosion Allowance for Non-Pressure Internal Parts (inches): \_\_\_\_\_

NACE MR-01-75 Required:  No  Yes

Special Stress Relieving:  No  Yes

Specify if Yes: \_\_\_\_\_

API RP 14C Safety Systems Required:  No  Yes

## Coatings

External:  Mfgr. Std.  Other

Specify if Other: \_\_\_\_\_

Internal (Specify): \_\_\_\_\_

Cathodic Protection (Specify): \_\_\_\_\_

## Special Instructions:

Radiographic Inspection:  ASME Code  Other

Specify if Other: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Hydrostatic Test Pressure:  ASME Code  Other

Specify if Other: \_\_\_\_\_

Hardness Testing Requirements (Specify): \_\_\_\_\_

Lifting Lugs (Specify): \_\_\_\_\_

Skid Mounting (Specify): \_\_\_\_\_

Welding Requirement:  ASME Code  Other

Specify if Other: \_\_\_\_\_

Sand Removal System (Specify): \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Other: \_\_\_\_\_

\_\_\_\_\_