

APPLICATION

Primary Separation
Crude Dehydration-Desalting

Company

Contact name _____ Title _____

Address _____

State _____ Zip code _____ Country _____

Office phone _____ Mobile _____

Fax _____ E-mail _____

Project Name & Reference No: _____

PROCESS DESIGN CONDITIONS

Item	Description	Check Unit Used		Values			
				normal	maximum	minimum	design
01	Inlet Production Net Dry Oil Flow Rate	<input type="checkbox"/> m ³ /d	<input type="checkbox"/> BPD				
02	Inlet Cut BS&W	% Volume					
03	Inlet Production Net Water Flow Rate	<input type="checkbox"/> m ³ /d	<input type="checkbox"/> BPD				
04	Emulsion in Crude	% Volume					
05	Free Gas Flow Rate Assoc. w/ Inlet Production	<input type="checkbox"/> m ³ /d	<input type="checkbox"/> MMscfd				
06	Average Gas/Oil Ratio (GOR)	<input type="checkbox"/> m ³ /d	<input type="checkbox"/> cf/bbl				
07	Oil Deg. API Gravity	None					
08	Oil Density @ T/P =	<input type="checkbox"/> kg/m ³	<input type="checkbox"/> lb/ft ³				
09	Water Specific Gravity @ 60°F or 15.5°C	None					
10	Water Density @ T/P =	<input type="checkbox"/> kg/m ³	<input type="checkbox"/> lb/ft ³				
11	Gas Molecular Weight	None					
12	Gas Specific Gravity	None					
13	Gas Density @ T/P =	<input type="checkbox"/> kg/m ³	<input type="checkbox"/> lb/ft ³				
14	Inlet Temperature	<input type="checkbox"/> C	<input type="checkbox"/> F				
15	Inlet Pressure	<input type="checkbox"/> Bar	<input type="checkbox"/> psig				
16	Desired or Estimated Operating Temperature	<input type="checkbox"/> C	<input type="checkbox"/> F				
17	Desired or Estimated Operating Pressure	<input type="checkbox"/> Bar	<input type="checkbox"/> psig				
18	Viscosity @ Temperature =	<input type="checkbox"/> °C	<input type="checkbox"/> °F	<input type="checkbox"/> cP	<input type="checkbox"/> cSt		
19	Viscosity @ Temperature =	<input type="checkbox"/> °C	<input type="checkbox"/> °F	<input type="checkbox"/> cP	<input type="checkbox"/> cSt		
20	Viscosity @ Temperature =	<input type="checkbox"/> °C	<input type="checkbox"/> °F	<input type="checkbox"/> cP	<input type="checkbox"/> cSt		
21	Viscosity @ Temperature =	<input type="checkbox"/> °C	<input type="checkbox"/> °F	<input type="checkbox"/> cP	<input type="checkbox"/> cSt		
22	Viscosity @ Temperature =	<input type="checkbox"/> °C	<input type="checkbox"/> °F	<input type="checkbox"/> cP	<input type="checkbox"/> cSt		
23	Parriffin Content	% Volume					

Primary Separation
Crude Dehydration-Desalting

PROCESS DESIGN CONDITIONS

Item	Description	Check Unit Used		Values			
				normal	maximum	minimum	design
24	Parriffin Cloud Point	<input type="checkbox"/> C	<input type="checkbox"/> F				
25	Parriffin Pour Point	<input type="checkbox"/> C	<input type="checkbox"/> F				
26	Asphaltene Content	% Volume					
27a	Inlet Salt Content	<input type="checkbox"/> mg/l	<input type="checkbox"/> ppm				
27b	Inlet Salt Content Requires Water Content Associated Water Cut	<input type="checkbox"/> PTB	<input type="checkbox"/>				
28	Salinity of Dilution Water	<input type="checkbox"/> mg/l	<input type="checkbox"/> ppm				
29	Oil Outlet Cut BS&W	% Volume					
30a	Oil Outlet Salt Content	<input type="checkbox"/> mg/l	<input type="checkbox"/> ppm				
30b	Water Oil Outlet Salt Content	<input type="checkbox"/> PTB					
31	Water Outlet, Oil in Water Content	<input type="checkbox"/> mg/l	<input type="checkbox"/> ppmv				
32	Liquid in Gas Outlet, Liquid Content	gal/MMSCFD					

MECHANICAL DESIGN CONDITIONS

Item	Description	Check Unit Used		Values			
				normal	maximum	minimum	design
M1	Design Pressure Internal	<input type="checkbox"/> Bar	<input type="checkbox"/> psig				
M2	Design Pressure External	<input type="checkbox"/> Bar	<input type="checkbox"/> psig				
M3	Design Temperature	<input type="checkbox"/> C	<input type="checkbox"/> F				
M4	Corrosion Allowance	<input type="checkbox"/> mm	<input type="checkbox"/> inch				
M5	Radiography	<input type="checkbox"/> Spot	<input type="checkbox"/> Full				
M6	PWHT	<input type="checkbox"/> Yes	<input type="checkbox"/> No				
M7	Material of Construction	<input type="checkbox"/> Cs	<input type="checkbox"/> Alloy				
M8	Power Available	<input type="checkbox"/> 60Hz	<input type="checkbox"/> 50Hz				
M9	Instrument Air	<input type="checkbox"/> Bar	<input type="checkbox"/> psig				
M10	NACE Applicability	<input type="checkbox"/> Yes	<input type="checkbox"/> No				

SPECIAL REQUIREMENTS AND COMMENTS:

FOR MORE INFORMATION

Contact your nearest ProSep Inc., office.
www.prosepinc.com