

**INJECTION OF SCAVENGER IN GAS FLOW LINE. TREATMENT WELL FLUIDS GAS-OIL-WATER BEFORE THREE-PHASE SEPARATORS IN HIGH PRESSURE FLOW LINE AND DOWNHOLE APPLICATION**

Company name and address	Name and position	Telephone, e-mail

**1. Case description and purposes**

1.1. End user (client), name of enterprise, firm etc.	
1.2. Location of the place of application (treatment)	
1.3. Customer authorized representative, telephone and e-mail	
1.4. Required delivery terms	

**2. General information**

2.1. Gas source (well emulsion, commercial gas from a gas dehydration unit, fuel gas etc.).	
2.2. Gas treatment purpose	
2.3. Current solution for gas treatment (type of equipment and chemicals used)	
2.4. General information of chemical scavenger dosing equipment available in situ (dosing unit on skid, injection nozzle, atomizer, static mixer etc.)	

**3. Flow parameters**

Parameter*, unit of measurement	Value
3.1. Flow resource, m <sup>3</sup> /hr (at T=20°C, P=760 mm hg) or other units with the indication of conditions (T, P)	(at T= _____, P= _____)
3.2. Pressure, (MPa, kg/cm <sup>2</sup> , bar, psi etc - specify)	
3.3. Flow temperature, °C	
3.4. Dew point temperature – water, °C	
3.5. Dew point temperature – hydrocarbons, °C	
3.6. Presence of condensed moisture (water and hydrocarbons), g/m <sup>3</sup> (at working pressure)	

3.7. Hydrogen sulfide (H <sub>2</sub> S) / Initial	
3.8. Mercaptans (RSH) / Initial	
3.9. Water content mass %	
3.10. Salt content	
3.11. pH value	
3.12. Gas content: volume % or gas-/liquid ratio	
3.13. Gas flow rate (gas production performance)	
<b>4. Treatment conditions</b>	
4.1. General description of the application (downhole applications in borehole, at the head of wellbore - well fluids treatment before dewatering unit, dry gas after water separation, petroleum associated gas after degassing unit, storage tank, marine terminal, upstream applications in petroleum refinery plant, fuel gas etc.)	
4.2. Contact time (retention time – the approximate time which is estimated to take the gas to get from the chemical injection place to the H <sub>2</sub> S monitoring place)	
<b>5. Treatment requirements</b>	
5.1. Hydrogen sulfide (H <sub>2</sub> S)	
5.2. Mercaptans (RSH)	
<b>6. Additional information / requirements</b>	
6.1.	
6.2.	
6.3.	
6.4.	