

NORSOK STANDARD

SYSTEM REQUIREMENTS
WELL SERVICE (PLATFORM WELLS)
SYSTEM NO. 15-20/20/30

P-SR-001
Rev. 1, December 1994

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1. FOREWORD

This standard has been developed by the NORSOK Standardisation Work Group.

2. SCOPE

3. NORMATIVE REFERENCES

NORSOK Standard

P-CR-001 Process Design.

4. DEFINITIONS AND ABBREVIATIONS

4.1 Definitions

4.2 Abbreviations

5. FUNCTIONAL REQUIREMENTS

5.1 General

Well-interconnecting manifold for well clean-up and testing after completions and work-overs, kill operations, equalization, blowdown, drain, backflow, stimulation, squeeze, methanol and chemical injection.

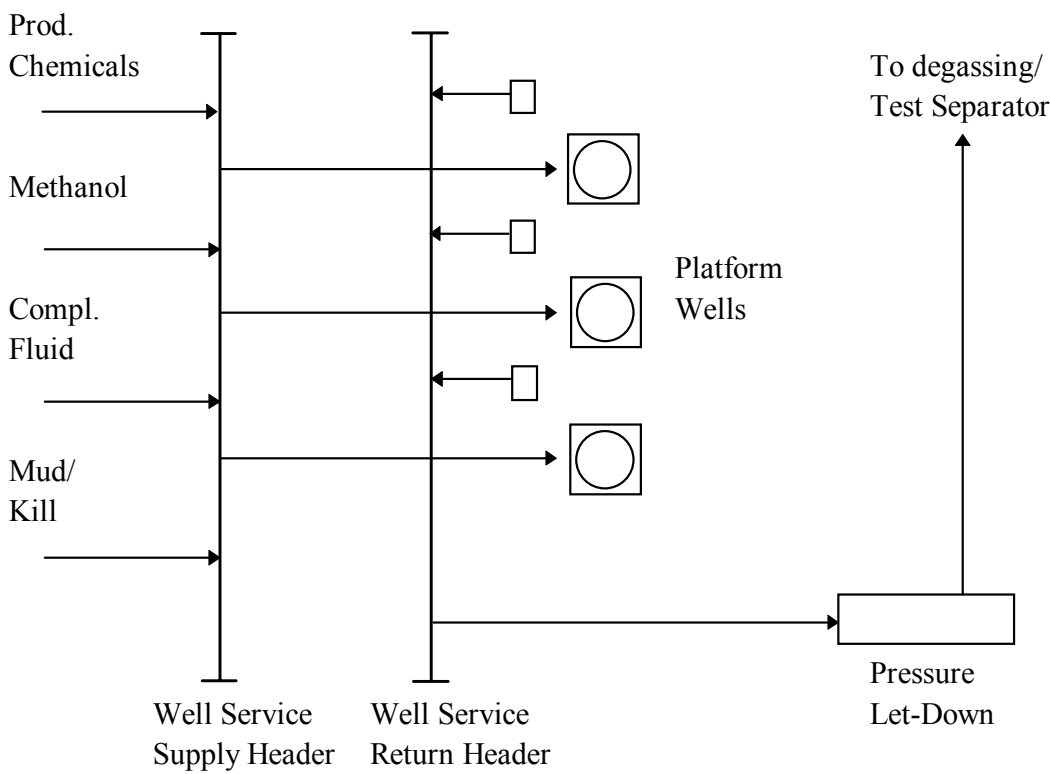
5.2 Products/Services

The system will be used to transport the following fluids in connection with well operations:

- Natural Gas

- Crude Oil
- Produced Water
- Water Based Mud
- Brine
- Xylene
- Diesel
- Tracer Chemicals
- Methanol
- Production Chemicals.

5.3 Equipment/Schematic



5.4 Performance

5.4.1 Number of Wells

Production:

Injection:

System Capacity (m³/hr)

(Backflow from Wells)

Maximum Well Shut-In Pressure (barg)

5.4.2 *Temperatures (°C)*

Min. temp.

Max. temp.

5.5 *Regularity***5.5.1 *Regularity***

99 %

5.5.2 *Sparing*

None.

5.6 *Process/Ambient Conditions*

Not Applicable.

5.7 *Operational Requirements***5.7.1 *Control and Monitoring***

All operations, control and monitoring shall be done locally. All valves shall be manual. No automatic functions.

5.7.2 *System volume*

Piping diameter shall be minimized because of frequent medium changeout.

5.7.3 *Operational actions*

Temporary hook-up of chicksan pipe, flexible hoses or instrument tubing.

5.8 Maintenance Requirements

5.8.1 *Valves*

Only flanged valves shall be installed to facilitate frequent need for maintenance (erosion and high DP).

5.8.2 *Material*

Wall thickness in bends must take into consideration heavy erosion from clean-up and backflow operations. Carbon steel preferred.

5.9 Isolation and Sectioning

None.

5.10 Layout Requirements

None.

5.11 Interface Requirements

None.

5.12 Commissioning Requirements

None.