MOWE
Chemical Injection
Scale Inhibitor
High Pressure High Temperature (HPHT) Skid

An ISO 9000, 18000, 14000, BIZ SAFE & SME 1000 company.
CHEMICAL INJECTION SYSTEM (CI)

REFERENCES

PETRONAS KINABALU

High Pressure High Temperature (HPHT) Injection Skid - AQ6800B
CI KINABALU

SCALE INHIBITOR - AQ6800B

A Scale Inhibitor (HPHT) chemical injection treatment is used to control or prevent scale deposition in the production conduit or completion system. Chemicals may be continuously injected through a downhole injection point in the completion, or periodic squeeze treatments may be undertaken to place the inhibitor in the reservoir matrix for subsequent commingling with produced fluids.

MAJOR COMPONENTS

- SCALE INHIBITOR TANK  –  2m³
- INJECTION PUMP  –  2 x 100%
- VALVES AND INSTRUMENTATION
- SUCTION & DISCHARGE DAMPENER
CI KINABALU
SCALE INHIBITOR PUMPS – 15000PSI

- 2 x 100% Wash Water Plunger injection pumps have been installed on skid
- Max pressure tested in FAT is 900 BAR (without pressure relief valve)
- Pressure relief valve starts to ‘POP’ @ 750 bar and therefore no more pressure can be increased.
- Each pump delivers 3LpH flowrate max
- There is no local control / start stop at local panel and therefore all start / stop controls will have to come from PCS (Process Control System)
- There are 2 dampeners at each suction and discharge of pump.
- Dampeners have to be pre-charged with the correct pressure before pump operation.
- As this design do not come with Back Pressure regulator, therefore pressure regulation is manual.
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SCALE INHIBITOR TANK & INSTRUMENTATION – AQ6800B

As with most tanks, the instruments included are as below:

- Level Gauge
- DP Level transmitter
- Filling nozzle and cap
- Overfill open drain
- Manhole

Other instruments in skid:

- Pressure Transmitter for each pump discharge
- Pressure gauges for discharge
- PSV set at 750 bar for each pump

As similar with wash water skid, the discharge is also customize with a tubing to pipe hub. All high pressure valves as per wash water skid from USA.

Suction only come with Y strainer and shut off valves,

Therefore good filtration is not possible.
GA OVERVIEW – AQ6800B SCALE INHIBITOR SKID
CI KINABALU PLATFORM NAG – COMMISSIONING TO BE ADVISED BY CLIENT
ACCOLADES – TRUST IN REFERENCES
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