



2024 GAS LIFT WORKSHOP

Unlimited Number of Shearable Gas-Lift Valves

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Agenda

- The Challenge – Limitations with conventional gas lift valves
- The Solution – Annulus Shearable Gas-Lift Valves
- The Value – Annulus Shearable Gas-Lift Valves

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The Challenge – Limitations with conventional gas lift valves

Unlimited number of shearable valves

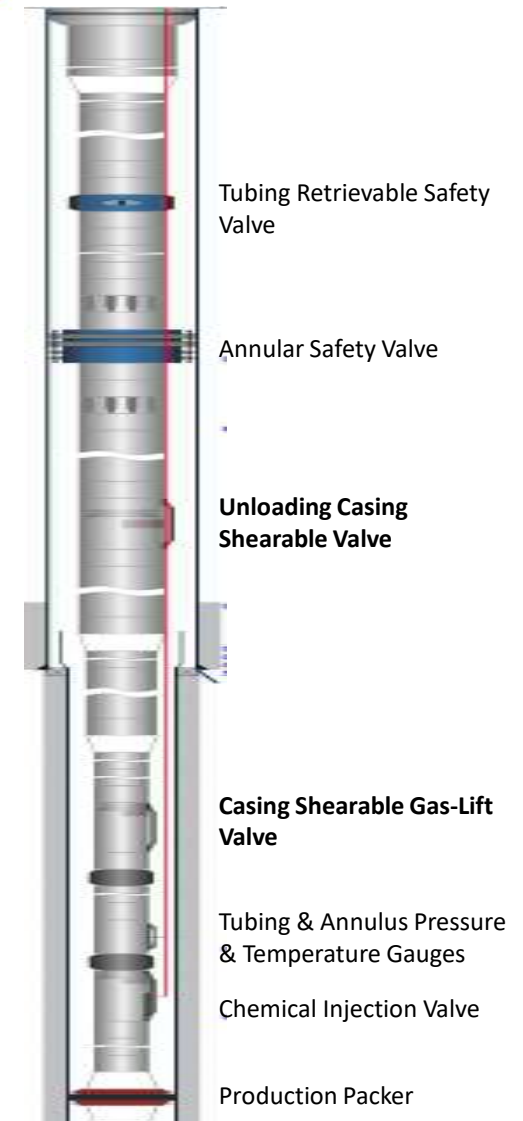
No limitations on applied pressure

Simplifies the operational

Reduced rig time

No intervention work

Reduced HSE risk



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The Solution – Casing Shearable Gas Lift Valves

Converts from dummy to live valve

Standard Gas Lift Valves or Unloading Valves

Flexible activation pressure

NO limitation on tubing and annulus test pressures

Unlimited number of valves



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The Solution – Casing Shearable Gas Lift Valves

Stage 1 – Completion installed with valve Open and UltraShear device in Closed/ RIH position

Check Open

*UltraShear
Closed*



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The Solution – Casing Shearable Gas Lift Valves

Stage 2 – Pressure is applied to test tubing

Tubing pressure → difference in area keeps valve closed

Check Open

*UltraShear
Closed*



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The Solution – Casing Shearable Gas Lift Valves

Stage 3 – Pressure is applied to the annulus to test Production Packer from above

Annulus pressure → creates downwards force activating the valve

Upon bleeding off annulus pressure, valve moves into the 'live' position

Check Open

*UltraShear
Closed*



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The Value – Casing Shearable Gas Lift Valves



2-3 DAYS SAVINGS PER WELL



REDUCED HSE EXPOSURE



OPPORTUNITY COST



ELIMINATED SLICKLINE INTERVENTIONS



REDUCED NPT



REDUCED CARBON EMISSIONS

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The Value – Casing and tubing Shearable Gas Lift Valves

- Gas lift well with multiple valves
- Test packer and ASV from above and shear open (Annulus)



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Question Time



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