DNV·GL

Certificate No:
TAD0000076

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Valves

with type designation(s)

Part No.	Description
131380	**3" 8K Reset Relief Valve, 3" 1502 F Inlet x M Outlet, Standard Service**
131382	**3" 8K Reset Relief Valve, 3" 1502 M Inlet x F Outlet, Standard Service**
131386	**3" 8K Reset Relief Valve, 3.06" 10K Flange Inlet x Flange Outlet Standard Service**
131387	**3" 8K Reset Relief Valve, 3" 1502 F Inlet x M Outlet, Sour Service**
131388	**3" 8K Reset Relief Valve, 3" 1502 M Inlet x F Outlet, Sour Service**
131389	**3" 8K Reset Relief Valve, 3.06" 10K Flange Inlet x Flange Outlet, Sour Service**

Issued to

OTECO

HOUSTON TX, United States

is found to comply with

DNV-OS-E101 Drilling Plant October 2013
and DNV GL AS' understanding of the implementation and interpretation of:
PSA's "Regulations relating to design and outfitting of the facilities etc. in the petroleum activities" (THE FACILITIES REGULATIONS), Last amended 16 December 2014, Ch.VIII

Application :

See Page 2

This Certificate is valid until **2020-11-30**.

Issued at **Houston** on **2015-12-01**

for **DNV GL**

DNV GL local station: **Approval CMC – Houston**

Approval Engineer: **Rohan Jangam / Kevin Bui**

Christian Nilsen
Team Lead

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

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References

- API Spec. 6A, Specification for Wellhead and Christmas Tree Equipment, 20th Ed.
- NACE MR0175, Materials for Use in H_2S-containing Environments in Oil & Gas Production, 2nd Ed.
- Project No. PP145108, PO No. P00187, Attn. Bradley Hogland

Application / Limitation

Design Parameter	Value
Nominal Sizes	3 in & 3 1/16 in
Maximum Working Pressure	8,000 psi
Maximum Test Pressure	12,000 psi
Temperature Class	P+U (-20 to 250 °F)
Service (131380, 131382, 131386)	Standard
(131387, 131388, 131389)	Sour
Performance Requirement	1

Type Approval Documentation

Test Reports

- Refer Hydrostatic and Calibration Test Reports for 3” 8K Reset Relief Valve P/N 131382, S/N 5705, Test Date 21 and 22 June 2011, Procedures QWI-100.023 Rev. A and OS-010 Rev. B.

Marking of Product

- For traceability, the product shall be marked at least with Oteco, part number and serial number.

Periodical Assessment

- For retention of the TAC, the periodical assessments shall be carried out every two years.

Comments

- Procedures related to NDE, welding, testing, marking etc., shall be reviewed by DNV GL Surveyor.
- This TAC replaces TAC No. D-4229.