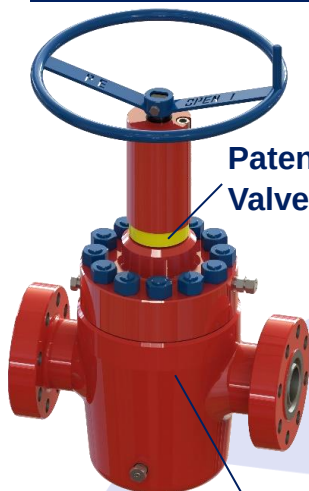




Patent Design –
Valve position

PFLS New Low-Torque
Non-Rising Stem Gate Valve

Equipped with police-grade reflective tape; a blue reflective strip is visible when the valve is in the fully open position.



Fully Closed Position



Fully Open Position (Daytime)



Fully Open Position with
Reflective Effect (Nighttime)

Features of the PFLS New Low-Torque Non-Rising Stem Gate Valve

- Excellent sealing performance – Adopts the world's most advanced FLS non-rising stem design, with backseat sealing configuration. Sealing materials are PEEK and PTFE specialty engineering plastics.
- Ultra-low pressurized opening torque (patented design, precision engineered) – Enables rapid valve opening during emergency response operations. Without any torque-reducing mechanism, the maximum opening torque of Precedent gate valves of the same size and pressure rating is only 1/3 to 1/2 that of Cameron® valves.
- Open/close position indication (patented design) – The non-rising stem valve is equipped with open/close indication (a world-first innovation) for safety management, effectively eliminating the risk of misoperation.
- Sand prevention and flushing function – Effectively prevents sand particles (large particles, below 70 mesh) from entering the valve cavity; accumulated deposits can be discharged through the flushing ports.
- Online maintenance capability – Internal components can be repaired or replaced simply by removing the bonnet, without requiring any special tools.

1B Post-test examination	Detailed report: XT201102-10	Experimental system of PR2
NOTE: 1. Test performed with factory equipment OR in an external laboratory? 2. Factory equipment current calibration label available?		External laboratory Yes

E. OBSERVATION

Defective Description

1: 0

	Critical	Major	Minor
Total Found:	0	0	0
Accept:	0	0	0
Result:	PASS		

F. CONCLUSION 结论

- The tests were satisfied with the API 6A 20th Annex F.
- All calibration certificates of test equipment were checked for current calibration date, and their condition was acceptable.
- The document review was acceptable.
- Detailed report:
 - Manufacture Material Certificates. Heat No.: 1309-01652, 891349H, 12103053881, 14HT03041.
 - Verification test report: 201506-01~201506-03, 201507-1~201507-16.
 - NDT report: UT: UT20141212-02PST, UT20141203-01PST, UT20141225-01PST, PX14-10027, UT20150113-02PST, PX14-10025/26/28; MT: MT20150116-02PST-MT20150116-04PST; PT: PT20150204-02PST, PT20141208-02PST, PT20150120-02PST, 2014-12-002.

Page 2 of 8
DNVGL-GC-17020-2-VI rev.1



PFLS Manual Gate Valve PR2 Test Report – DNV Third-Party Witnessed

Zero non-conformities,
PR2 passed in one run.



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