Oil & Natural Gas Industry Standards for
Hydraulic Fracturing & Unconventional Wells

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Introduction to API

**Members:** Over 500 members including operators & service companies

**History:** founded in 1919 to focus on taxes, statistics & equipment & operational standards

**Over 600 Standards, Certifications & Recommended Practices:**
covering all aspects oil and natural gas industry, including exploration & production, refining, marketing, and pipeline transportation. These are a basis for global operations & the core of API’s technical authority.

**API Standards cited** nationally (100 standards over 270 times), by states (184 standards over 3300 times) and globally

API is accredited by the American National Standards Institute (ANSI)
- Openness, balance, consensus, and due process
- Transparent process (work program published in federal register and anyone can comment [www.api.org/standards](http://www.api.org/standards))
- Evergreen (standards reviewed regularly)
API Work Re: Hydraulic Fracturing

5 main documents, but over 65 onshore operational standards with over 4,000 pages

RP 51R, *Environmental Protection for Oil Onshore Oil and Gas Production Operations & Leases (2009)*
- Broad overview of governmental protections, lease roads, drilling & production (planning through abandonment), produced water & management practices, production, site reclamation & Good Neighbor Practices

- Well construction, integrity & redundant casing, logging, testing, etc.

- Mechanical barriers, cementing techniques, pressure tests, etc.

HF2, *Water Management Associated with Hydraulic Fracturing (2010)*
- Water supply (including sourcing, fluid handling, disclosure, storage), management & disposal (treatment & injection), etc.

- Stakeholder engagement, scale of development (STRONGER, NPC & regional collaboration), chemical management (total impact, greener alternatives, disclosure through www.fracfocus.org), transportation, facilities (maintenance & inspections), minimization of surface disturbance (air quality, noise abatement through distance and scheduling, reducing road impacts through scheduling & coordination), etc.
2012 Work Program – Participate!

- Formalizing HF 1, 2, 3 through the standards process
- Creating HF4, specific to community engagement
- Series of 10+ regional outreach workshops & continued technical work
- Regular interaction with state & federal governments in support of effective, credible state regulation that addresses local concerns & avoids unnecessarily duplicative federal regulations
QUESTIONS?

HF1, HF2, HF3, Standard 65-2, & RP 51R are available for FREE at:

Other Resources:
www.api.org
www.energyfromshale.org