



Mike Read, Chair

- Terms of Reference
 - who we are
 - what we do
 - how we do it
- Summary of DACCC IRPs



WHO : Industry

Service

Canadian Association of Oilwell Drilling Contractors
International Coil Tubing Association
Petroleum Services Association of Canada

Operator

Canadian Association of Petroleum Producers
Small Explorers and Producers Association of Canada



WHO : Government

Alberta Energy and Utilities Board

Alberta Human Resources and Employment

British Columbia Oil & Gas Commission

British Columbia Workers Compensation Board

Manitoba Energy and Mines

National Energy Board

N W Territories & Nunavut Workers Compensation Board

Saskatchewan Energy & Mines

Saskatchewan Labour



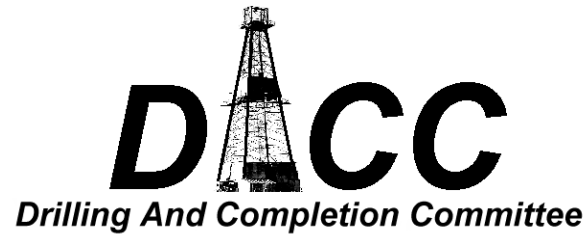
WHAT :

- development of safe, efficient and environmentally suitable operating practices
 - new IRPs where non-existent procedures result in issues because of inconsistent operating practices.
 - Review and revision of outdated IRPs particularly where new technology requires new operating procedures.
 - support to foster development of non-IRP industry operating practices that have current application to a limited number of stakeholders.



IRP : Industry Recommended Practice

- set of best practices and guidelines
- compiled by knowledgeable and experienced industry and government personnel
- intended to provide the operator or user with advice regarding the topic considered.
- NOT a regulation :
 - any inconsistency or conflict vs applicable legislative requirement > the legislative requirement prevails.



How :

- **Representatives :** Each association/organization provides a principle and an alternate member.
- **Meetings :** Monthly
- **Subcommittees :**
 - develop IRPs
 - A DACC member is sponsor manager
- **Funding :**
 - primarily through the volunteer model.
 - CAPP & BII (Broad Industry Initiative) for funding



IRP Development Process

1. Issue Identification

- any member organization

2. Subcommittee

- volunteers, from any part of industry

3. IRP vs other guidelines

- do we need an IRP ?

4. IRP Development & Status Reporting

- monthly DACC meeting, issues addressed



5. IRP Review

- subcommittee submits final draft to DACCC for review.
- draft IRP published on the PSC website psa.ca for broad industry review.
- DACCC member organizations and the PSC make efforts to ensure their **membership is aware of the draft and provide the appropriate review.**
- minimum of 3 months



6. IRP Sanction

- subcommittee submit the final IRP to DACC.
- members take final IRP to their parent organization for sanction
- **Sanctioned** = the member organization has reviewed the IRP as a compilation of best practices and supports its use where appropriate.
- back to DACC : sanction vote : seek consensus
- if DACC member organization chooses not to sanction, it's name will not appear on the IRP covering page



7. IRP Publication :

- PITS
- psc.ca > ARP/IRP's On-Line

Review Cycle : +/- 5 years



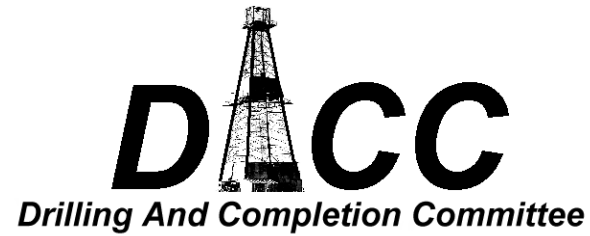
IRP Volume 1, Drilling Critical Sour Wells

- Sanctioned: January 2002
- Sponsor: CAPP
- Contact: Mike Read, Shell Canada Limited
- Next Review: 2007



IRP Volume 2, Completing & Servicing Critical Sour Wells

- Upgrading ARP 2 to IRP status
- original ARP 2 is on the PSC Website
- Sponsor: CAPP
- Contact: Art Congdon, Petro Canada
- Revision Target Date: end 2002



IRP Volume 3, Heavy Oil & Oil Sands Operations

- Sanctioned: January 2002
- Sponsor: CAPP
- Contact: Hal Knox, AEUB
- Next Review: 2007



IRP Volume 4, Well Testing and Fluid Handling

- Sanctioned in 2000
- Next review: 2005

IRP Volume 5, Minimum Wellhead Requirements

- Reviewed in 2002: No modifications made
- Next Review: 2007



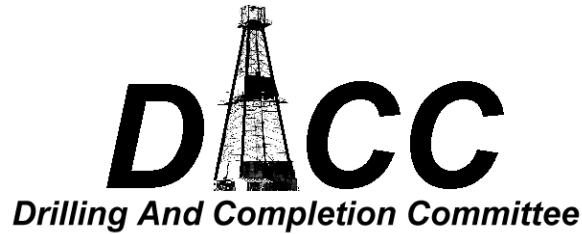
IRP Volume 6, Critical Sour Underbalanced Drilling

- Initiated in 1996, draft on psc.ca > ARP/IRP's On-Line
- under an internal review by AEUB
- Contact: Mike Read, Shell Canada Ltd.



IRP Volume 7, Standards For WellSite Supervisor of Drilling, Completions and Workovers

- Sanctioned: March 2002 with the exception of SEPAC
- Sponsor: CAPP
- Contact: Don Myers, Burlington Resources
- Next Review: 2004



IRP Volume 7

**Standards for Wellsite
Supervision of Drilling,
Completion & Workovers**

presented by Don Myers

Banff Safety Seminar

May 2, 2002



IRP development by DACC

- Commitment by CAPP, June 2000**
- DACC sub-committee, October 2000**
- Draft IRP #7 out, July 2001**
- New training started September 4, 2001**
- IRP sanctioned March 2002**
- Second course started April 25, 2002**

Goals Established

- **Clear roles and responsibilities**
 - **for Prime Contractor**
 - **for Wellsite Supervisor**
- **Clear assignment of a Wellsite Supervisor at each wellsite**
- **Adequate training**
- **Ensure work experience evaluation**

Contents of IRP#7

- **Roles, Responsibilities and Duties**
- **Requirements for Assigning Duties**
- **Training Requirements**
- **Work Experience Assessment**
- **Performance Evaluation and Audits**

Assignment of Supervisor

- **IRP- The prime contractor must provide a competent wellsite supervisor who has been assigned specific duties and responsibilities as a representative of the prime contractor.**

Agreement of Duties

- **IRP- Every wellsite supervisor must have a written description and agreement of the duties and responsibilities assigned to him by the prime contractor.....**



Identification at the Wellsite

- **IRP- The name of the wellsite supervisor representing the prime contractor must be documented and posted at the wellsite.**

Training

- **IRP- All wellsite supervisors must have valid certificates for the training courses shown in the Section 7.6.3.**

Training Courses

- **Safety Management for Wellsite Sup***
- **Regulatory Awareness***

***new**

- **Well Control**
- **Detection and control of Flammable Substances**
- **WHMIS TDG**
- **H2S Alive First Aid**

Work Experience Assessment

- **IRP- The prime contractor must conduct an assessment of the supervisor's work experience and training to ensure he has the skills and knowledge required to meet the requirements for the work and duties being assigned.....**

Safety Management for Wellsite Supervision

- **Roles and responsibilities of prime contractor & wellsite supervisor**
- **safety “systems and processes”**
- **‘how to’ meet responsibilities**
- **need for team work and the leadership role of the Wellsite Supervisor**



Regulatory Awareness for Wellsite Supervision

- **to make supervisor's aware of all the various regulations, IRP's and guidelines**
- **where to look, what to ask**
- **Emphasize the need to know the rules in each province or territory**



Implementation Targets

- **Safety Management Training**
 - **drilling by February 2002**
 - **servicing by September 2002**
 - **1250 through by April 30**
- **Regulatory Awareness**
 - **June 1 2003 target for all sups**



IRP Volume 8, Pumping of Flammable Fluids

- government regulators conducting a final review
- Sponsor: PSAC
- Contact: Patrick Delaney, PSAC
- final sanction targeted for the 2nd Quarter



IRP Volume 14, Non-Water Based Drilling & Completions Workover Fluids

- being developed
- Section 14.1: Drilling section & Section 14.3:
Transportation : psc.ca for review
- Co-Sponsor: CAPP and CAODC
- Contact: Bruce Barrie, Petro-Canada & Earle
Routly, Ensign Drilling
- Target: 2002



IRP Volume 15, Snubbing Operations

- being developed
- Sponsor: PSAC
- Contact: Larry MacPherson, Live Well Service
- final sanction targeted for the 2nd Quarter



AEUB Guide 10 Casing Design

- reviewing guide, adding sour casing, adding engineered design
- Sponsor: AEUB
- Contact: Gord Wagner, Summit Tubulars
- recommendation to AEUB by end 2002



Casing Vent Flow : AEUB ID 99-3 : Surface Casing Vent Flow/Gas Migration Testing and Repair

- reviewing ID re repair requirements/definition of “serious” vent flow
- Sponsor: CAPP
- Contact: Mark Horner, Burlington Resources
- recommendation to AEUB by end 2002