



In Situ Oil Sands Scheme  
Approval 9404 Brintnell Sector  
Enhanced Recovery of Crude Bitumen by Water Injection  
June 8, 2005 Semi Annual Presentation

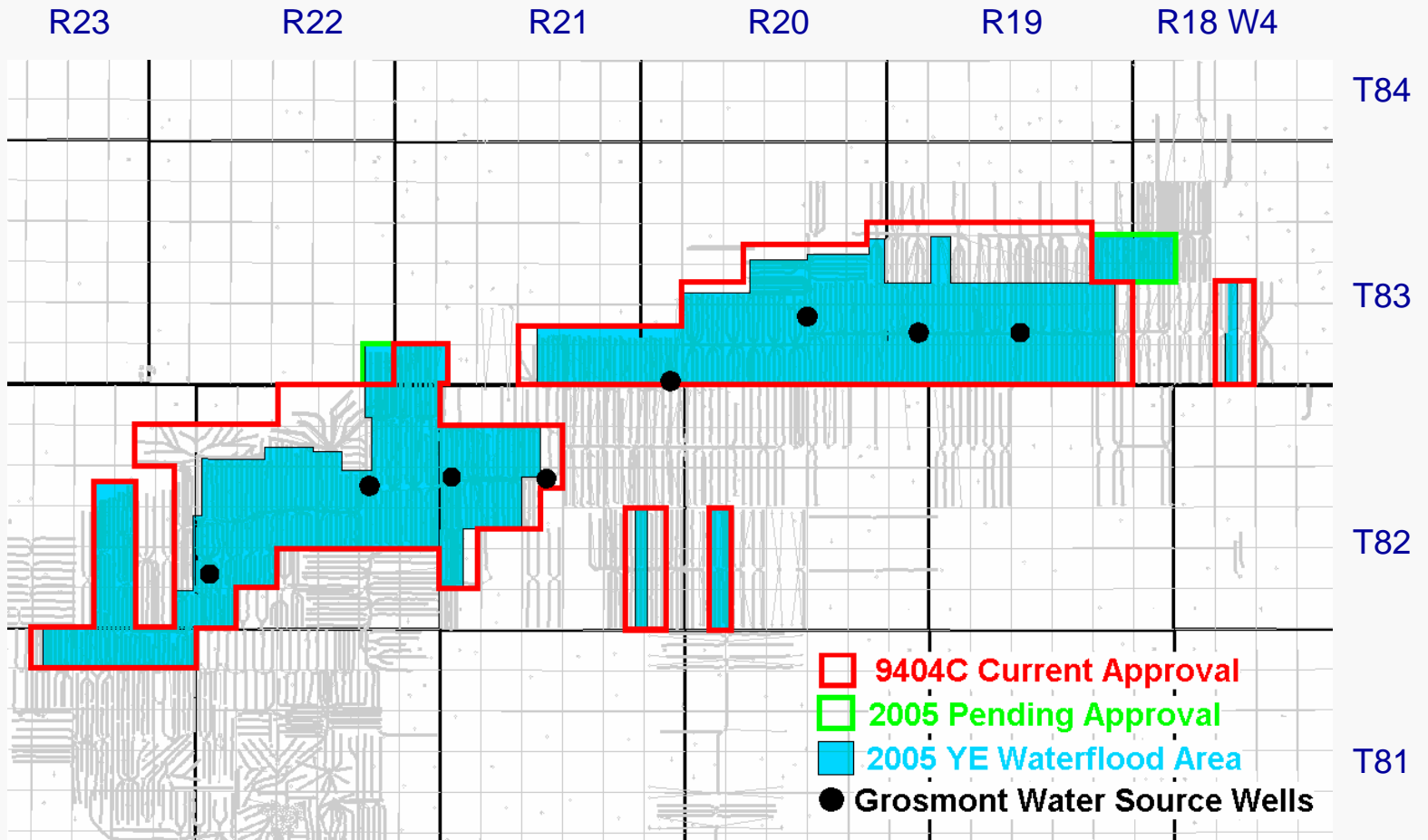
Presented by: Farid Remtulla  
Group Lead, Development  
Athabasca Business Unit

# Agenda



- Current Status and 2005 Activity
- Field Performance
- Key Learnings
- EUB issues
- Future plans
- Compliance

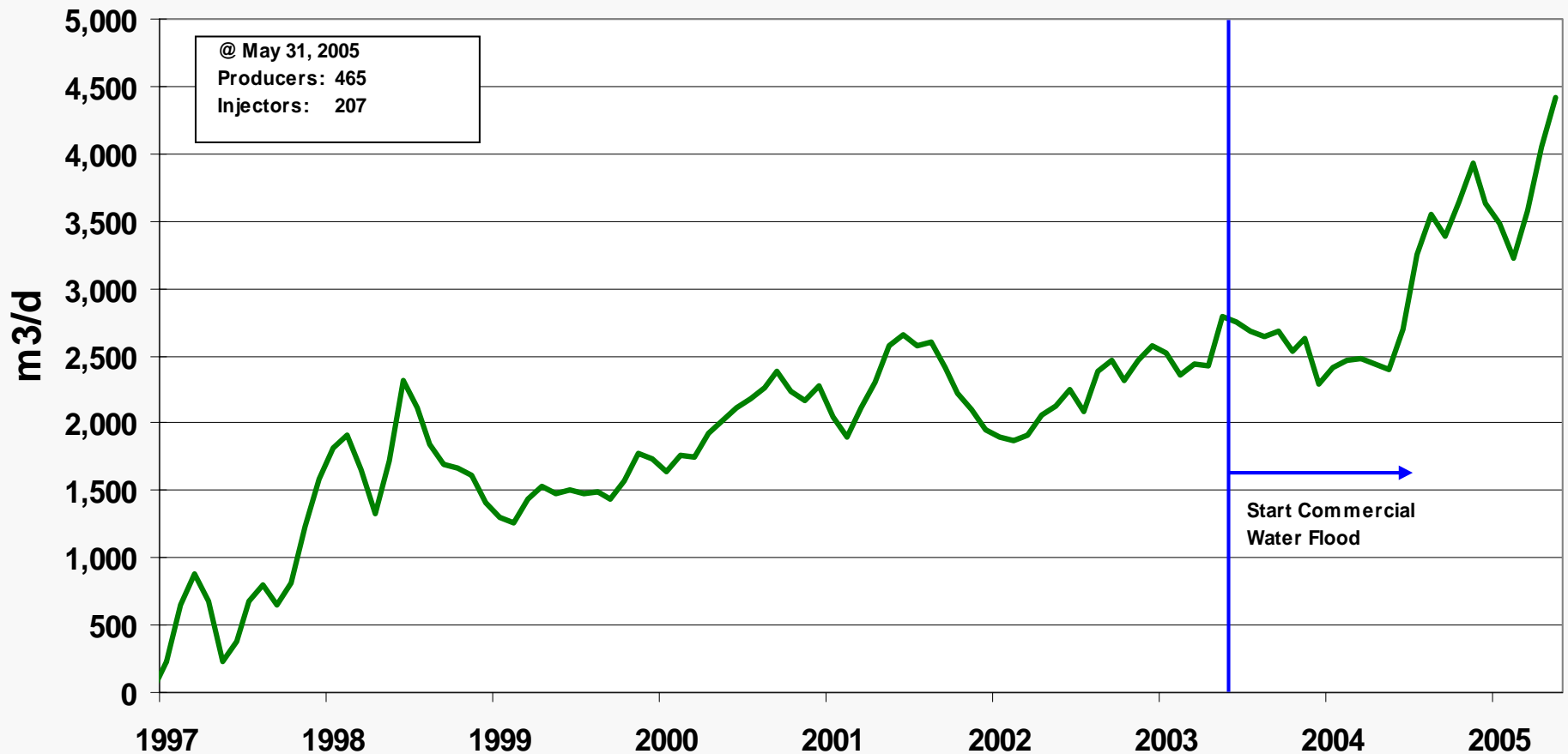
# Current Waterflood Status



# Waterflood Field Results



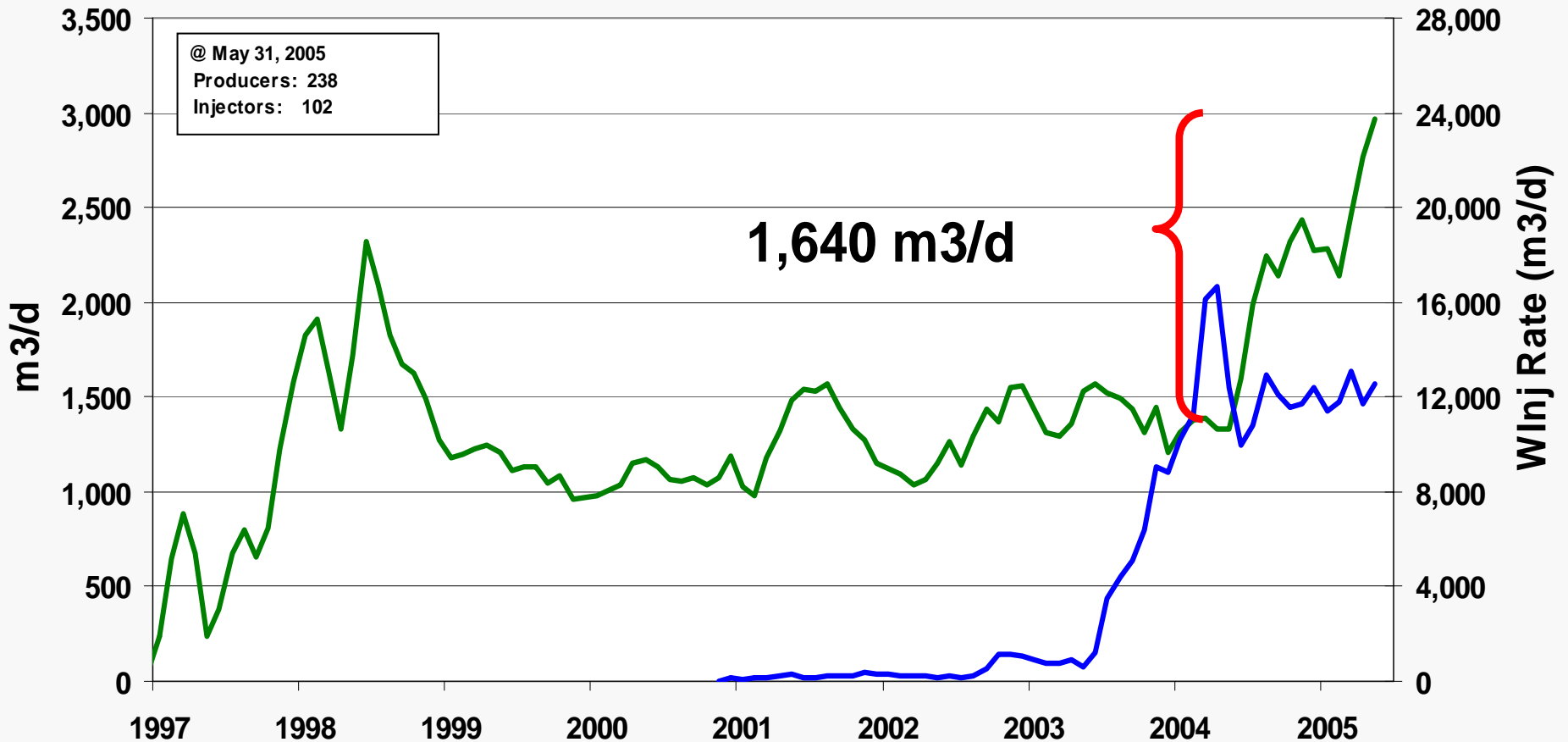
## Pelican Lake Production History



# Waterflood South Field Results



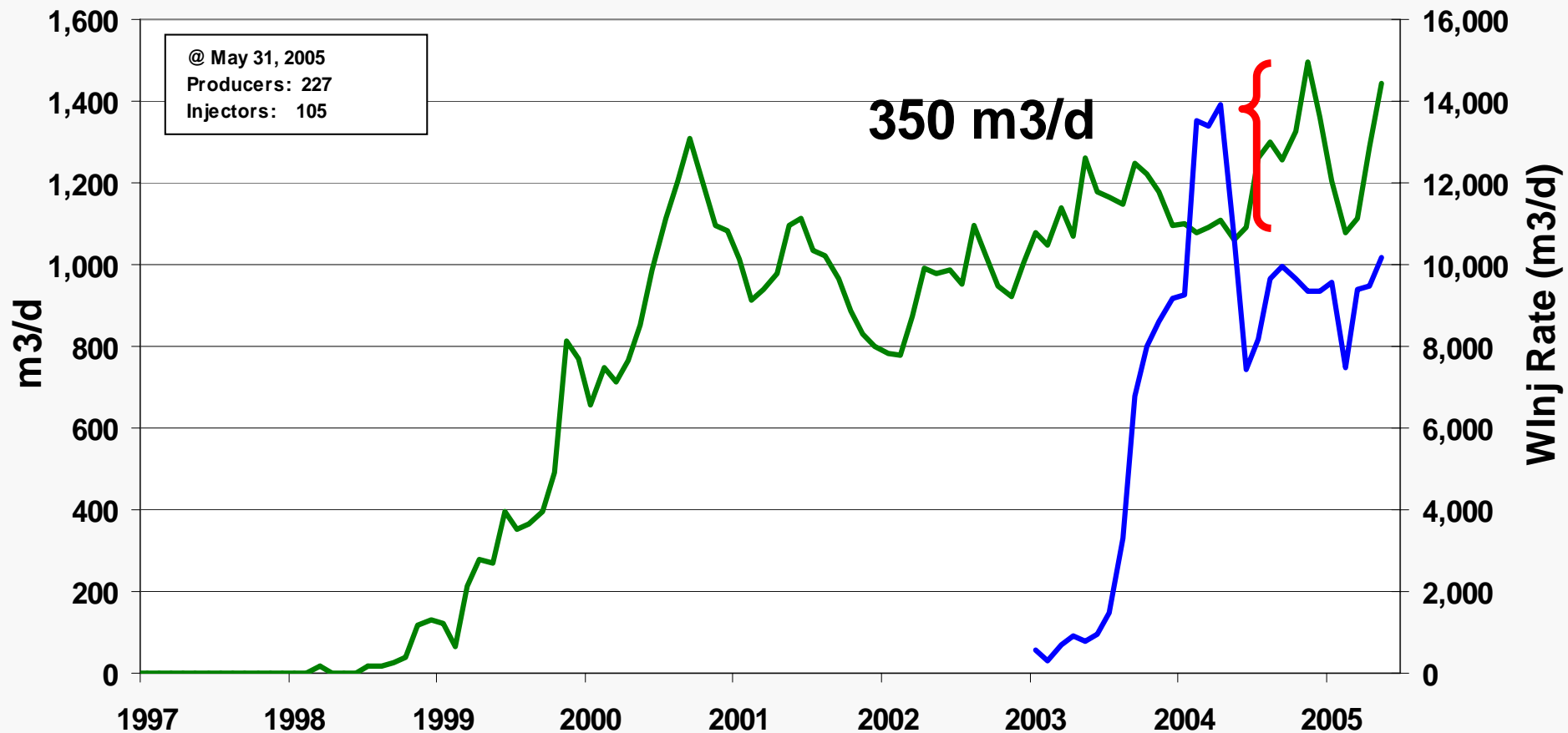
## Pelican Lake South Production History



# Waterflood North Field Results



## Pelican Lake North Production History



# Waterflood Surveillance



Balance between water injected and fluids withdrawn

- Target cumulative VRR to approach unity
- Pattern allocation factors assigned for each pattern
- VRR Report to 2005-04 submitted
- Identification of high water cut wells

# Waterflood Challenges

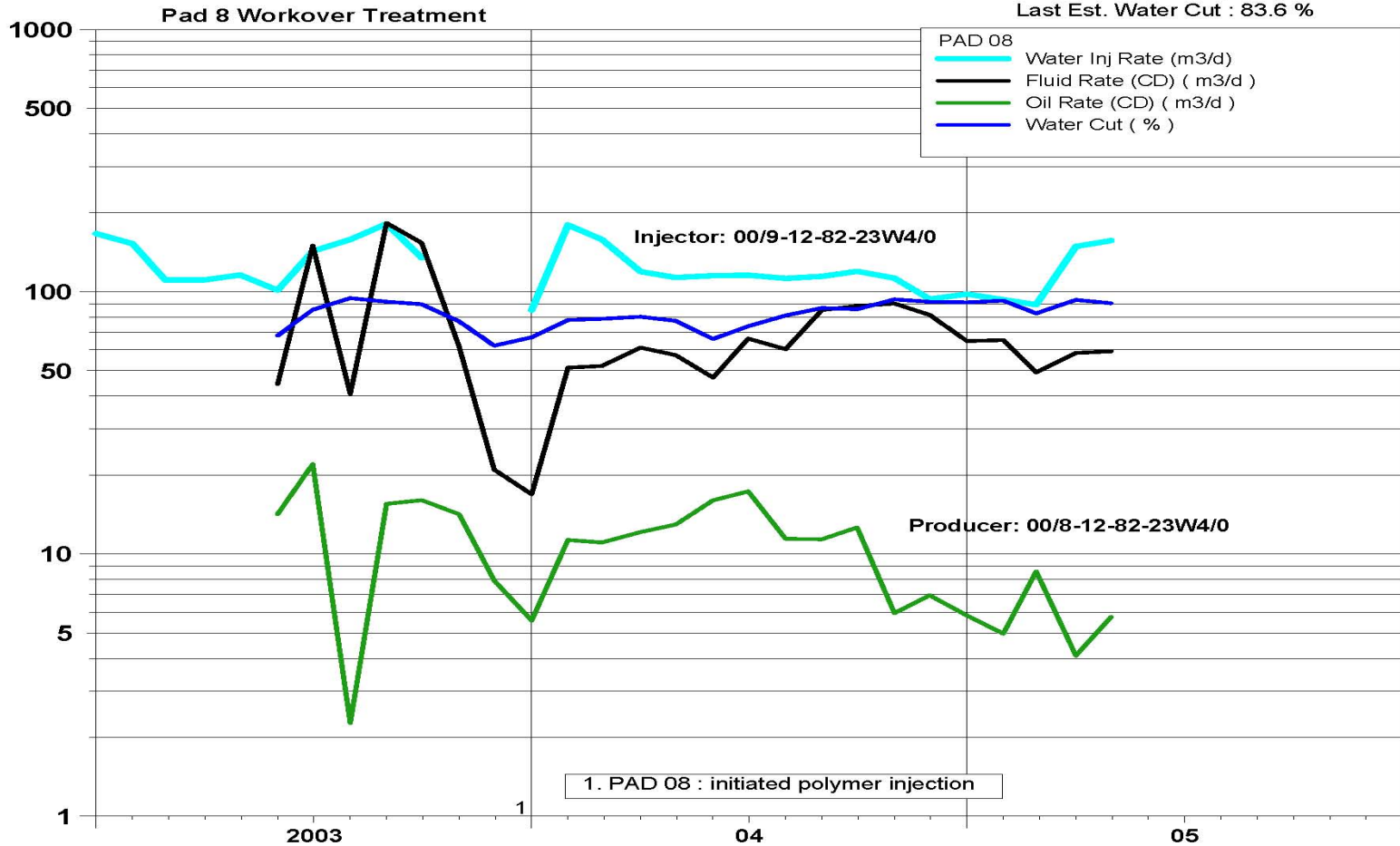


- Revival of High Water Cut wells
  - Preferred Workover Treatment
    - Injection of polymer solution
  - Active Workovers
    - Pad 8            100/9-12-82-23W4 ( Dec '03 )
    - Pad NE5        00/03-06-83-19W4 ( Dec '04 )
    - Pad NE5        00/04-06-83-19W4 ( Dec' 04 )
    - Pad NE5        00/06-18-83-19W4 ( May '05 )

# Pad 8 Workover



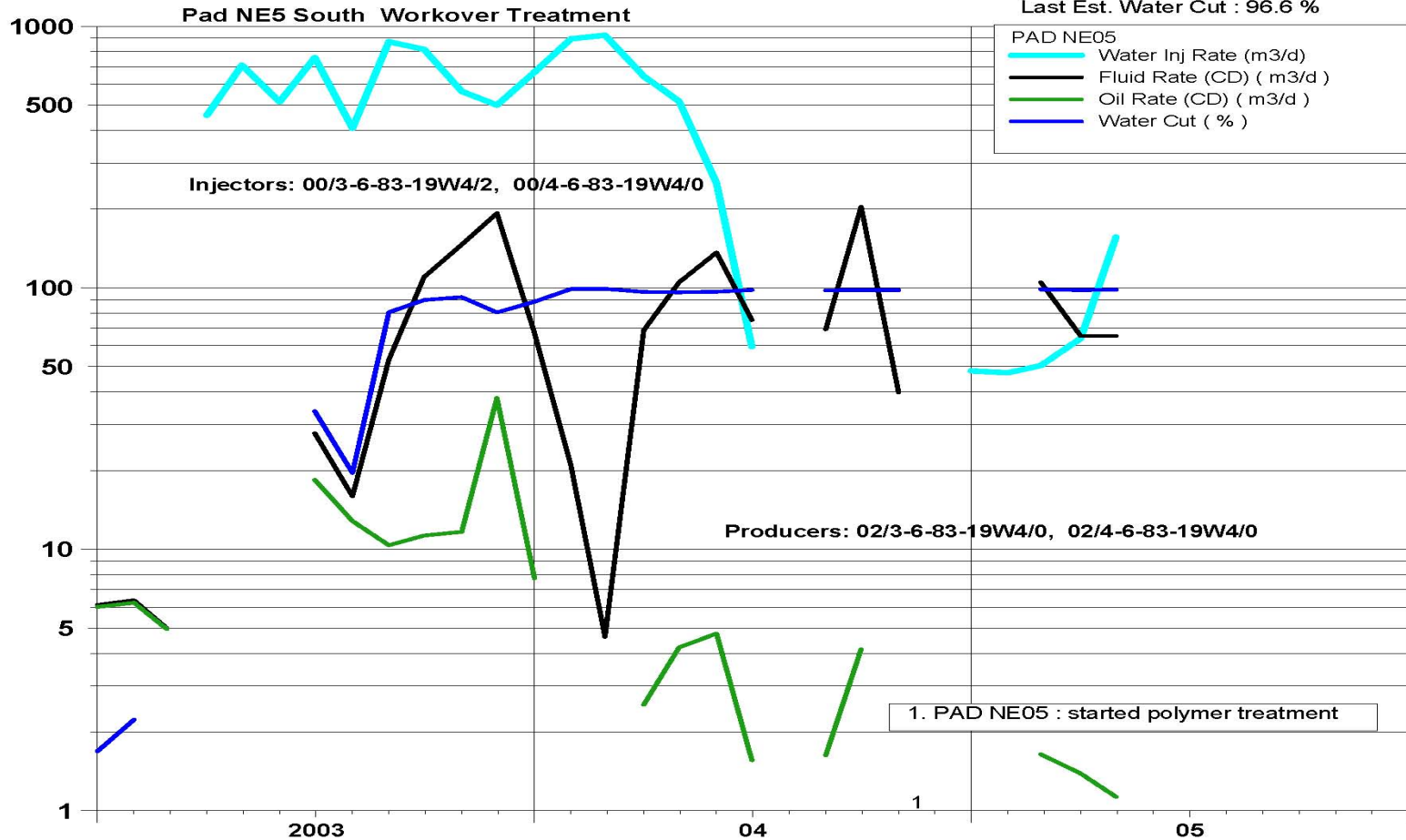
Last Est. Fluid Rate (PVR) : 58.9 m<sup>3</sup>/d  
Last Est. Oil Rate (PVR) : 9.7 m<sup>3</sup>/d  
Last Est. Water Cut : 83.6 %



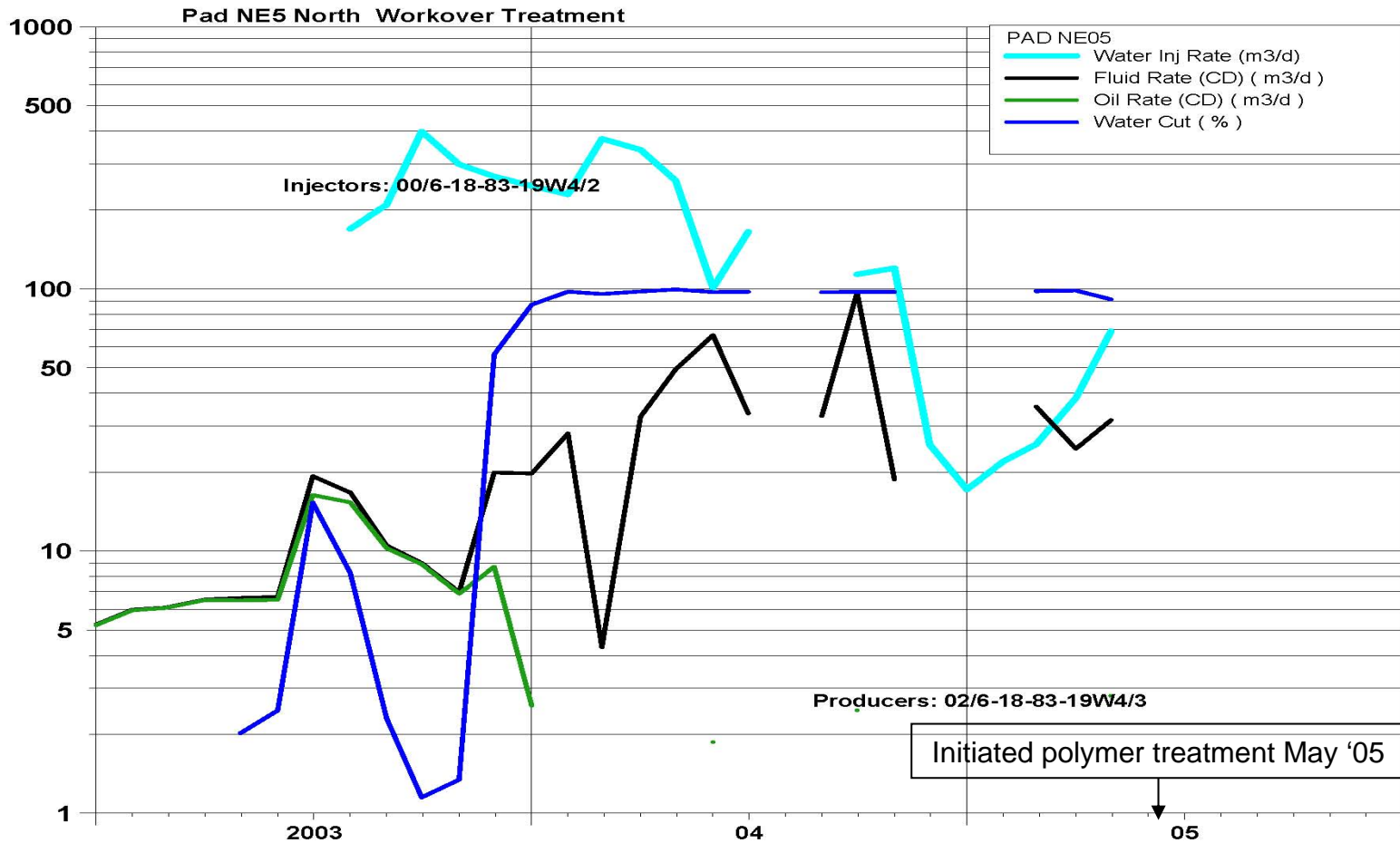
# Pad NE5 South Workover



Last Est. Fluid Rate (PVR) : 183.0 m<sup>3</sup>/d  
 Last Est. Oil Rate (PVR) : 6.3 m<sup>3</sup>/d  
 Last Est. Water Cut : 96.6 %



# Pad NE5 North Workover



# Key Learnings



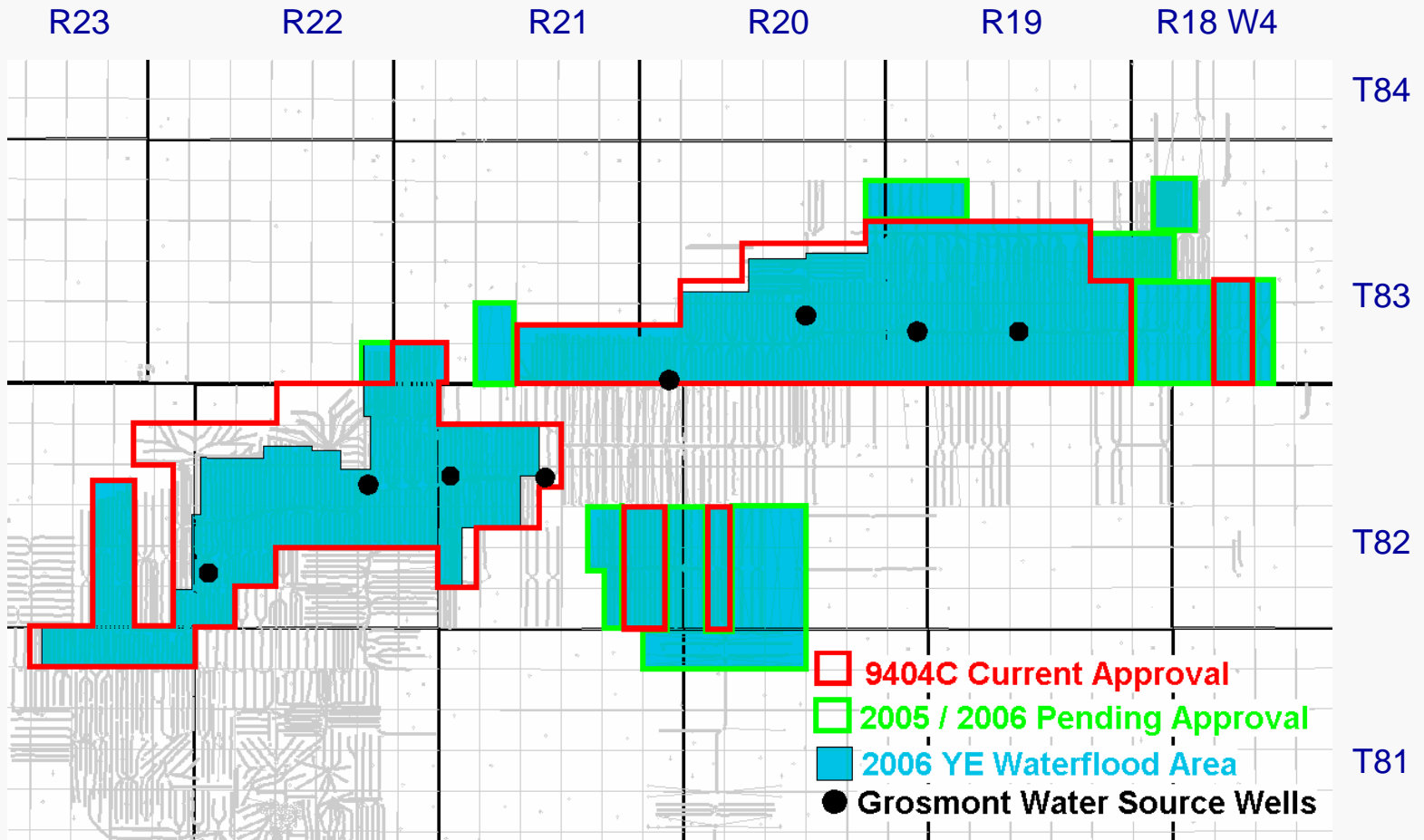
- Waterflood can be effective in heavy oil
- Workover treatment of high watercut wells with polymer solution is technically viable

# Approval Process



- Streamline Waterflood Applications
  - Do not provide new technical information in subsequent applications to transfer lands from primary production
  - Can the paperwork be less burdensome to operators?
    - Define waterflood approved areas
    - Eliminate injection well list
    - Eliminate identification of offsets to injectors
    - Specify well spacing for control of waterflood patterns
    - Report cumulative VRR for reporting period
- Reduce frequency of surveillance presentations from semi annual to annual

# Future Plans 2006 Waterflood Expansion



# Compliance



- EnCana is not aware of any conditions in its Approvals or Regulations in which it is not compliant.
- Commitments described in the original application have been met, or are in the process of being met.