



# BARRICK

## Implementing Flexicadaastre for North America – Where Are We Today?

Presented By

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SUBTITLED

If I Knew THEN,

What I Know NOW...

## OVERVIEW

- Introduction
- A Brief History of the Project
- The Challenges/The Implementation
- Plans for 2010
- Questions

## INTRODUCTION

- Who am I and how did I get here?



## A Brief History of the Project

- 2005 completed requirements document.

**I have a dream!**

- Late 2005 Placer Dome merger.
- Fall 2006 Flexicadastre Pilot Project.

**Show me - I'm from Missouri.**

- March 2007 – Began Development.
- October 2007 - Go Live.
- April 2008 – Roll Out-Electronic Approvals & Report Distribution.
- Late 2008 – (Finally!) Decided on model for split property interests.
- April 2009 – Limited Testing Automation of U.S. Claim Filing.
- 2009 – First draft of user documentation.

## The Challenges

- Naming the Project.
  - **Barrick Land Information System – BLIS**

**Ignorance is BLIS**

**Ignorance is BLIS(S)**



## The Challenges

- Complex Property Position.
- Legacy Data.
- Overcoming user resistance to change!

## The Challenges

- Complex Property Position
  - Multiple jurisdictions.
  - U.S. mining claim payments due annually.
  - Surface and Minerals owned or controlled by different parties.
  - Multiple agreements affecting same property.



## The Implementation

- Multiple jurisdictions
  - United States.
  - Canada - British Columbia, Ontario, Quebec.
  - Mexico & Dominican Republic
    - So far we're not as involved with these jurisdictions as we first thought.
- The Implementation
  - Separate jurisdictions in Flexi.
  - Each jurisdiction has its own license types and workflows.

## The Implementation

- Canadian Mining Claims
  - Rolling expiry dates.
  - Each jurisdiction has different filing requirements.
  - Managed using parameter values, workflows, business rules.
  - Claim Renewals require electronic approval from Project Manager and Landman.
  - Expiry reports, budget forecast.
  - Need to pay attention to how Flexi calculates license term and license year.

## The Implementation


- U.S. Mining Claims
  - 34,000-all require annual filing and payment by August 31.
  - Different Federal and State requirements.
  - Affidavit groups used to group claims to be filed together.
  - Affidavit group holds BLM and County pmt actions.
  - County affidavit generated using template reports.
  - Keep drop approval action on each claim.
  - Electronic manager/landman approvals.
  - Uses parameter values, workflows, business rules.
  - Limited testing with managers in 2009.
  - Plan to roll out to all managers in 2010.
  - Problems processing large volume of actions.

## The Implementation

- Surface and Minerals owned or controlled by different parties.
  - Surface and mineral license types.
  - Mapped as separate layers.
  - Reporting is a challenge.
  - Legacy data clean up is ongoing.
- Multiple agreements affecting same licenses.
  - Leasing out owned property.
    - Affected licenses are associated to the lease.
    - The lease gets an agreement description and an agreement shape.



## The Implementation

- Legacy Data
  - 30 years worth of data.
  - Patched together over the years.
  - Too much detail/no documentation.
- The Data Import
  - Mining claim data import was pretty straight forward.
  - Payment and obligation data was more difficult.
  - Where possible, used  scripts to automate data cleanup.
  - Remaining data cleanup is an ongoing project.



# The Implementation

- Legacy Data

- 30 years worth of data.
- Patched together over the years

- Too many

- The Data

- Mining

- Payment and obligation data was more difficult.

- Where possible, used scripts to automate data cleanup.



- Remaining data cleanup is an ongoing project.



ard.

## The Implementation

- Spatial Data
  - Must be gathered and organized.
  - Many different formats.
  - Problems matching tabular and spatial data.
- The Implementation
  - Business data was first priority.
  - Spatial data added according to a priority list.
  - Implementing the map has been an ongoing challenge for a variety of reasons.

## The Implementation

- Overcoming user resistance to change.
  - Getting key data out of proprietary systems.
    - Not as big a problem as we anticipated.
- Implementing mapping procedures.
  - Remains challenging for a variety of reasons.
- Using electronic report and approval processes.
  - Managers already used to electronic approvals thanks to Accounting.
  - Very well received by most of the managers.
  - Electronic report distribution saves time and paper.
  - Electronic approvals provide an audit trail.




## What Do the Users Think?

- Land Administration staff likes:
  - Electronic approvals and report distribution.
  - Managing U.S. claim filing electronically.
- End Users like:
  - Ability to query system and get information without waiting for Land Administration staff to help.
  - U.S. claim filing information all in one place.
- Nobody likes:
  - Map reference
    - Reports/queries involving map reference can be a challenge.
    - Validation of data entry has been a problem.
    - User interface is not intuitive.
  - System performance issues.

## LESSONS LEARNED

It's never good to go first.....

- Need product orientation up front.
- All workflows should be completed prior to beginning data import.
- Data mapping was difficult to complete for undeveloped functionality.
- Pick lists are a nightmare!
- Follow through by phone when communicating final cutover plans.
- Do not underestimate time needed to import legacy data.
- Weekly project status meetings are key.
- Communication is crucial.
- Tough to develop UAT for new functionality.
- The devil is in the details. 
- Need issue management software to track bugs, fixes, etc.
- Somebody's going to send in the auditors.
- Questions?

## Plans for 2010

- Test remaining claim filing functionality.
- Roll out electronic claim filing approvals to all managers.
- Update user documentation.
- Conduct additional training for query users.
- Consider adding property tax management to the system.
- Questions?



## Plans for 2010

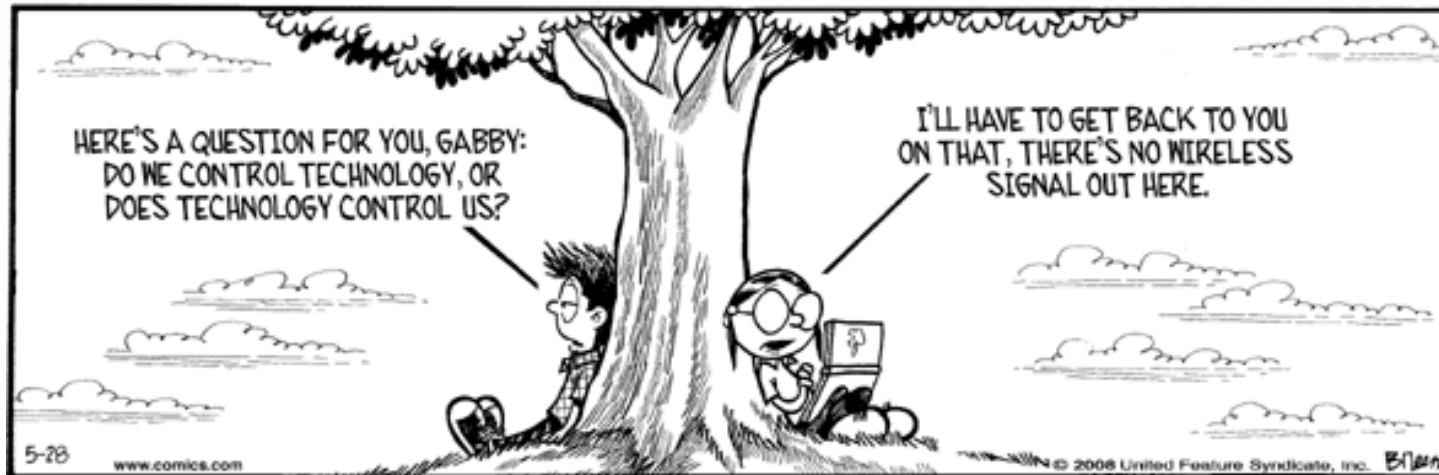
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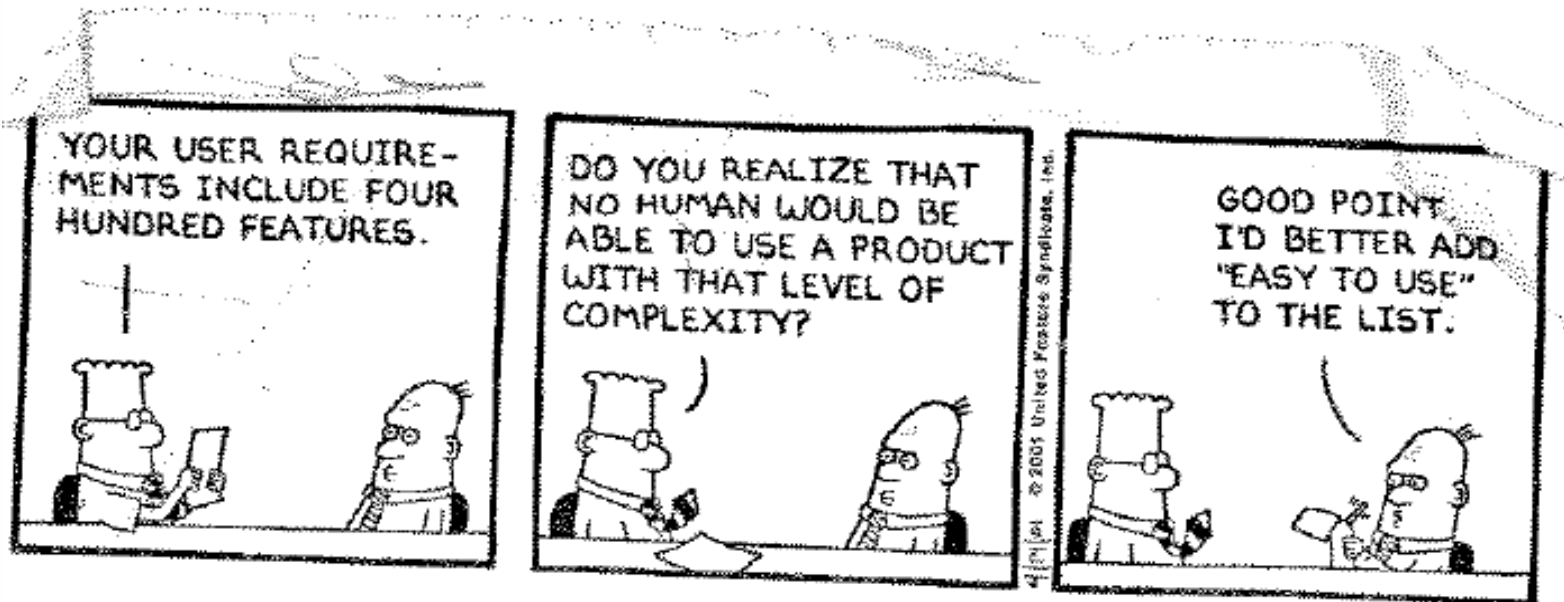


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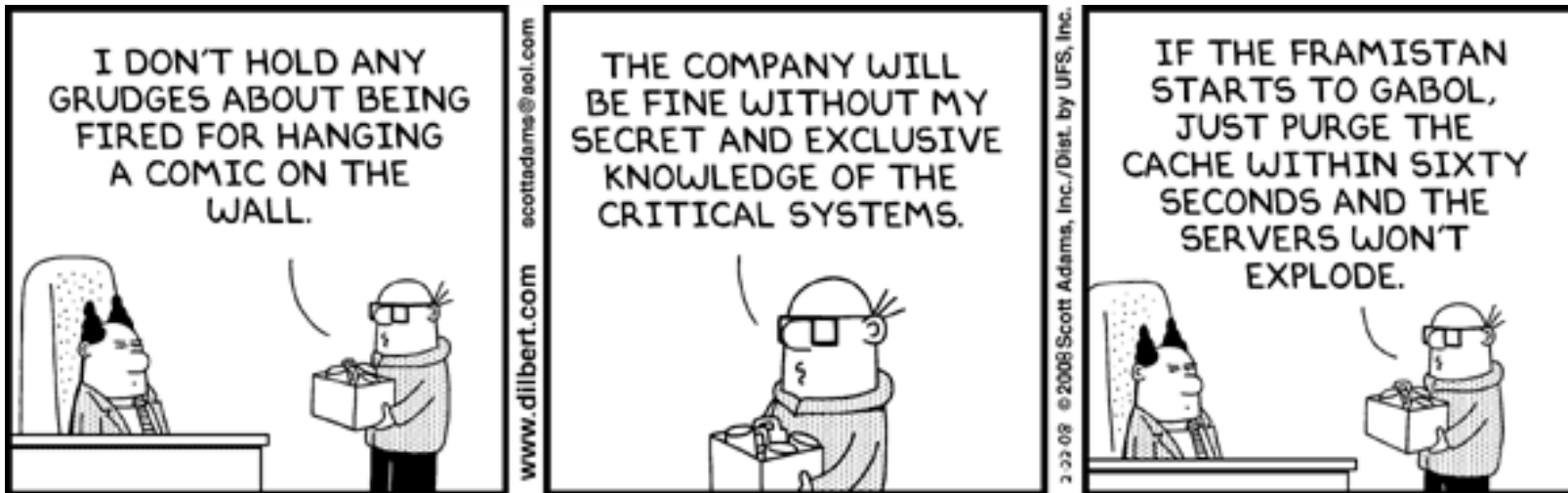
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# FAMOUS LAST WORDS

from our GIS Specialist

I don't know how it works...

I think it's magic!

