FRACMOD

Corporate Presentation
**FRACMOD** is available to be your in-house “Technical Team-on-Tap”

**Software**: investment of bringing various software in-house can be steep and even cost prohibitive

**Professional Expertise**: in both software proficiency and technical competence is also costly

This is compounded by the fact that both software and services are often required on an intermittent, project specific basis only, resulting in inefficient usage.

**This is where FRACMOD comes in...**

- Fully integrated team by bundling software and professional services, in discrete units depending on the client’s requirements, **FRACMOD** can ensure that operators have access to the best combination of both to provide cost effective, convenient solutions.
FRACMOD Consulting Firm

- Boutique consulting firm in Calgary, AB
- “One-Stop-Shop” for fully integrated reservoir studies
- Team of experts with over 25 years of domestic and international experience in the oil and gas sector

Technical Services Workflow and Offerings

- Sedimentology Services
- Geomechanical Modeling
- Geological Modeling
- Data Analytics & Advisory
- Petrophysical Services
- Development Planning
- Production Forecasting
- Enhanced Oil Recovery
- Reservoir Simulation
- Fracture Modeling

FRACMOD team is focused on hydraulic fracture modeling, reservoir characterization and reservoir simulation
Mission Statement

Assist our clients in making informed decisions at a low price point by providing an experienced technical team fully equipped with the latest software.

Offering field-scale, and fully integrated horizontal well fracture modeling and reservoir simulation.
Swiss Army Knife Effect

One-Stop-Shop for all sub-surface needs - experience team equipped with the right tools to provide fast and reliable insights
Service Offerings

Three Business Models

1. RESSTUDY
   Optimization or design for multiple wells in a reservoir

2. FRACWELL
   Optimization or design for a single well

3. FRACTAP
   “Team-on-Tap Model” to allocate time and resources to multiple projects

All of our business models incorporate elements of our FRACMOD Workflow and have access to our proprietary FRACMOD Oil Cube.

Business models that will improve production efficiency, minimize cost, and deliver optimal solutions
**RESSTUDY** offers conventional consulting practices to complete specific projects catered to your development plan.

<table>
<thead>
<tr>
<th>Service</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pad Design</td>
<td>Well spacing, well length, stage spacing, and infill drilling</td>
</tr>
<tr>
<td>Fractured Reservoir</td>
<td>3D geo-model PVT, black oil model, compositional</td>
</tr>
<tr>
<td>Enhanced Oil Recovery</td>
<td>Waterflood, gas injection, SAGD, chemical flood</td>
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The RESSTUDY service offering ensures data-driven decisions are made.
FRACWELL can be used to optimize your existing wells or design and evaluate your upcoming drilling program.

- **Single Well Design**
  - Petrophysics
  - DFIT, GOHFER
  - Frac Design
  - Production Forecast

- **Frac Evaluation**
  - 3D Modeling
  - Micro-Seismic
  - Geo-Steering
  - Stage Placement

- **Reservoir Simulation**
  - Pad Design
  - Well spacing
  - EUR, RF %
  - EOR

The FRACWELL service offering ensures value-driven decisions are made.
FRACTAP is our unique “Team-on-Tap” model to allocate our time and resources to multiple workstreams.

The FRACTAP service offering gives you the flexibility to choose where and when we spend time based on your capital available.
Value Proposition

Deliver Value Through Two Primary Outcomes

**Cost Reduction**
- Reduce in-house expenses
- Design for savings

**Increase Revenue**
- Leverage technology
- Design for increased EUR/IPs

![Cost Reduction Diagram](image)

![Increase Revenue Diagram](image)

Add to the bottom line of your business
International Experience

Algeria  Australia  Bahrain  Canada  Colombia
France  India  Iraq  Kazakhstan  Nigeria
Russia  Trinidad  Turkey  USA  Yemen

Learnings from world class reservoirs worldwide can be applied on your projects
In-House Technology

Software

- EMERSON (PARADIGM): Geolog
- SCHLUMBERGER: Eclipse, Petrel
- HALLIBURTON: Gohfer
- CMG: IMEX, GEMS, STARS
- ROCK FLOW DYNAMICS: t-Navigator
- MICROSOFT POWER BI: Data Analytics
- KAPPA: Saphir

Hardware and Computing Power

- Workstations with 24, 48, 68 Core Processing
- GPU Computing
- Cloud Computing with Amazon
- For larger projects, multiple realizations, and quick turn-around: we can scale-up using cloud computing

Acquired and equipped with industry leading software - investment of over $1MM in the most current and up-to-date versions
Our team of experts have served clients in over 30 countries and would be happy to answer any questions.