Integrated Project Management for the Oil & Gas Industry

Bogotá – Colombia
September, 2020
About US,

“AN INTEGRATED PROJECT MANAGEMENT SERVICE COMPANY FOR OIL & GAS INDUSTRY WITH THE VISION TO BECOME A REFERENCE AS A TECHNOLOGICAL PARTNER, GENERATING SOLUTION FOR OUR CUSTOMERS IN LATIN AMERICA”

• 17 Years in the Market
• Specialist with more than 30 Years Experience
• A broad and strong experience in the Colombia Oil & Gas Basin
Location & Experience

Headquarter
Av Cra 19 No. 97-31
Ofc 602 – 603, Bogotá
Colombia

Our Project Experience
Our Partners

- **Atix Energy**
  A Project Management Company

- **Well Construction & Project Management**

- **Drilling Fluids & Waste Management**
  - Qmax Solutions Inc.
  - Tucker Energy Services

- **Cementing**
  - Intelligent Reservoir
  - Kodriak

- **Wireline & Completion Services**
  - PetroWorks

- **Spectrometry and XRF Services**
  - Seismic Acquisition & Processing
  - Intellisense

- **Oil & Gas Lab Services**
  - PetroSeis

- **Drilling Rig Company**
  - Parker Drilling

- **Drilling Rig & Downhole Tools**
  - Drilling Rig & Downhole Tools

- **Directional Services**
  - Ionos Directional Services
  - Geostratum

- **Geosteering Services**
  - Geostratum

- **Mud Logging Services**
  - DTK – Group Drilltek
  - Oilfield Services

- **Fluid Management**
  - Joapetrol Company

- **Casing Running**
  - Progressive Supplies SAS

- **Rig Inspection**
  - Novomet
  - Inspectcol S.A.S.

- **Quick Connectors**
  - Pemser

- **Leading edge technology supplier**
  - PetroXP Alliance
  - Code T3
Our Integrated Services

1. Seismic Acquisition and Processing
2. Seismic Reservoir Characterization
3. Advanced Seismic Interpretation
5. Formation Evaluation & Reservoir Eng
6. Field Development Optimization
7. Well Planning & Well Construction
8. Cost Control & Tender Assist
9. Production Optimization
10. Drilling & Workover Rig Management

G&G Analysis & Evaluation

Well Construction

PM

Technical documents preparation for the ANH
Well Construction & Project Management Services

<table>
<thead>
<tr>
<th>Well Planning &amp; Well Construction</th>
<th>Cost Control &amp; Procurement Process</th>
<th>Field Development &amp; Optimization</th>
<th>Production Optimization</th>
<th>Drilling &amp; Workover Rig Management</th>
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</thead>
<tbody>
<tr>
<td>Offset Wells Analysis</td>
<td>Defining Operational Time Curve</td>
<td>Location/Cluster Plans</td>
<td>Stimulation optimization</td>
<td>Rig Selection</td>
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<tr>
<td>Design Well Trajectory</td>
<td>include Risk</td>
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<td>Production database</td>
<td>Rig Management &amp; Procurement Process</td>
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<td>Wellbore Integrity Analysis</td>
<td>Making the Best Operational &amp;</td>
<td>Drilling and Completion</td>
<td>IOR/EOR Studies</td>
<td>Well Location Design &amp; Civil Works</td>
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<td>Economical Proposal base on</td>
<td>Optimization</td>
<td>Economic Simulations</td>
<td>Project Manager / Project Leader</td>
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<td>Reality, even before the Service</td>
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<td>Nodal Analysis (Pipesim)</td>
<td>Well Site Supervisor</td>
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<td>Companies make their own</td>
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<td>Modeling the Fluid System</td>
<td>Wellsite Geologist</td>
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<td>Preparation &amp; Management of the</td>
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<td>Surface Facility Design &amp;</td>
<td>HSEQ</td>
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<td>Complete Requisition Ordering</td>
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<td>Optimization for O&amp;G</td>
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<td>Process for Your Tender</td>
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<td>Drilling Fluids Design</td>
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<td>Drill Bit and hole Enlargement</td>
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<td>Design</td>
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<td>BHA Design</td>
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<td>Drillstring Design</td>
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<td>Hydraulic Design</td>
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<td>Rig Selection</td>
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Well Construction & Project Management Process

1. Event Identification & Offset Wells Review
   - Software: Predict

2. Clean Time + Risk + LC +Rig NPT Stimate
   - Software: Crystal Ball

3. Define Casing Points
   - Software: Casing Set

4. Casing Design
   - Software: Stress Check Sysdrill

5. BHA & Hydraulic Design
   - Software: Wellplan, DOX, DSP-One

6. Geopressure Analysis
   - Software: Predict

7. Geomechanical Model
   - Software: GMI-Well Check Predict & Techlog

8. Rig Selection

9. Procurement Process

10. Operational Monitoring
### Most Recent Experience – Casanare Este Development Plan

<table>
<thead>
<tr>
<th>Workover-1</th>
<th>Workover-2</th>
<th>Well Develop-1</th>
<th>Well A3-1</th>
<th>Well A3-2</th>
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<tbody>
<tr>
<td>Drilled</td>
<td>Drilled</td>
<td>New well to be drilled</td>
<td>New well to be drilled</td>
<td>New well to be drilled</td>
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<tr>
<td>Completed with ESP in C7A</td>
<td>Completed with ESP in C7</td>
<td>Go until shooting for prod into C7 &amp; Gacheta FM</td>
<td>Go until shooting forprod. in C7</td>
<td>Go until shooting for prod in C7, Gacheta &amp; Ubaque FM</td>
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<tr>
<td>Pull out completion</td>
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# Most Recent Experience – Casanare Este Development Plan

<table>
<thead>
<tr>
<th>What?</th>
<th>Who? &amp; When?</th>
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<tr>
<td><strong>Project Planning</strong></td>
<td><strong>March</strong></td>
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<td><strong>Providers Selection</strong></td>
<td><strong>April</strong></td>
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<td><strong>Permits, PMA and Social</strong></td>
<td><strong>May</strong></td>
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<td><strong>Management</strong></td>
<td><strong>June</strong></td>
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<td><strong>Civil work construction &amp;</strong></td>
<td><strong>July</strong></td>
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<td><strong>supervision</strong></td>
<td><strong>August</strong></td>
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<td><strong>September</strong></td>
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<td><strong>PM Team (Full time):</strong> G&amp;G Team, Project Leader, Drilling &amp; WO Team Lead, Drilling &amp; WO Engineers. <strong>Partial Time:</strong> Thirds Parties - Tech Reps, HSEQ, Procurement &amp; Social Rep. **</td>
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</tbody>
</table>
Geoscience support for blocks CN9, Maria Conchita and Tiburón

Seismic interpretation and static model building for Mana and Rio Magdalena Blocks

Seismic inversion and reservoir characterization for CPE6, LLA-83, Sabanero and Guatiquia blocks.
Contacts:

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Phone: +571 – 7153301

e-mail: info@igs-sc.com
Thank you.