Integrated Project Management for the Oil & Gas Industry

Bogotá – Colombia
August, 2018
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”

• 16 Years in the Market
• Specialist with more than 30 Years Experience
• A Broad and strong experience in the Colombia Oil & Gas Basin
• Currently, conducting the G&G and Operational Integrated Management for the Casanare Este Block in Colombia.
Most Recent Experience

Casanare Este Development Plan (Gold Oil PLC Colombia):

G&G Analysis & Evaluation, Well Construction design, Procurement process, Project Management, Drilling, Completion of one well & WO of two Wells.
Our Partners,

Well Construction & Project Management

Atix Energy
A Project Management Company

Drilling Fluids & Waste Management

Cementing

Spectrometry and XRF Services

Wireline & Completion Services

Oil & Gas Lab Services

Drilling Rig Company

Seismic Acquisition & Processing

Drilling Rig & Down Hole Tools

Directional Services

Geosteering Services

Mud Logging Services

Fluid Management

Casing Running

ALS

Rig Inspection

Quick Connectors
### G&G Analysis & Evaluation Services

<table>
<thead>
<tr>
<th>Exploration</th>
<th>Seismic Reservoir Characterization</th>
<th>Advance Seismic Interpretation</th>
<th>Geological Modelling &amp; Operational Support</th>
<th>Formation Evaluation &amp; Reservoir Engineering</th>
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<tbody>
<tr>
<td>Geology &amp; Geophysics Interpretation</td>
<td>AVO/FVO &amp; AVA/FVA Seismic Inversion Spectral Decomposition Seismic Atribute Analysis for Fractured Reservoir Characterization &amp; Oil/Gas Shale Integration of Geophysical &amp; Geological Data</td>
<td>Structural Interpretation, Inversion, Lithology &amp; Fracture Prediction</td>
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<td>Regional Evaluation</td>
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<td>Structural Analysis</td>
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<td>Stratigraphy Analysis</td>
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<td>Petroleum System Model</td>
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Well Construction & Project Management Services

- **Offset Wells Analysis**
  - Design Well Trajectory
  - Wellbore Integrity Analysis
- **Drilling Fluids Design**
- **Drill Bit and hole Enlargement Design**
- **BHA Design**
- **Drillstring Design**
- **Hydraulic Design**
- **Rig Selection**

- **Defining Operational Time Curve include Risk**
  - Making the Best Operational & Economical Proposal base on Reality, even before the Service Companies make their own
- **Preparation & Management of the Complete Requisition Ordering Process for Your Tender**

- **Location/Cluster Plans**
  - Drilling and Completion Optimization
  - Geomechanics Studies
  - Formation Damage Diagnostic & Remedial

- **Stimulation Optimization**
  - Production database
  - IOR/EOR Studies
  - Economic Simulations
  - Nodal Analysis (Pipesim)
  - Modeling the Fluid System
  - Surface Facility Design & Optimization for O&G

- **Rig Selection**
- **Rig Management & Procurement Process**
- **Well Location Design & Civil Works**
- **Project Manager / Project Leader**
- **Well Site Supervisor**
- **Wellsite Geologist**
- **HSEQ**
<table>
<thead>
<tr>
<th>Workover</th>
<th>Well Develop</th>
<th>Workover</th>
<th>Well A3-1</th>
<th>Well A3-2</th>
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<tbody>
<tr>
<td>Workover-1</td>
<td>Drill new well to be drill</td>
<td>Workover-2</td>
<td>Drill new well to be drill</td>
<td>Drill new well to be drill</td>
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<tr>
<td>Drilled</td>
<td>Completed with ESP in C7</td>
<td>Completed with ESP in C7</td>
<td>Completed with ESP in C7</td>
<td>Completed with ESP in C7</td>
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<td>Completed with ESP in C7A</td>
<td>Go until shooting for prod into C7 &amp; Gacheta FM</td>
<td>Go until shooting for prod into C7 &amp; Gacheta FM</td>
<td>Go until shooting for prod into C7 &amp; Gacheta FM</td>
<td>Go until shooting for prod into C7 &amp; Gacheta &amp; Ubaque FM</td>
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<td>Pull out completion</td>
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## Most Recent Experience – Casanare Este Development Plan

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<tr>
<th>What?</th>
<th>Who? &amp; When?</th>
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<tr>
<td><strong>Project Planning</strong></td>
<td><strong>March</strong> <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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<td><strong>Providers Selection Process (Civil work, Rig &amp; Third Parties)</strong></td>
<td><em>PM Team Procurement &amp; Legal Rep.</em> <em>HSEQ Rep &amp; Social Rep.</em></td>
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<td><strong>Permits, PMA and Social Management</strong></td>
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<tr>
<td><strong>Civil work construction &amp; supervision</strong></td>
<td><em>PM Team (Full time):</em> G&amp;G Team, Project Leader, Drilling &amp; WO Team Lead, Drilling &amp; WO Engineers. <em>Partial Time:</em> Thirds Parties - Tech Reps, HSEQ, Procurement &amp; Social Rep.</td>
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<tr>
<td><strong>Drilling Well develop-1, Well A3-1 &amp; Well A3-2</strong></td>
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<tr>
<td><strong>Workover Operation</strong></td>
<td><em>PM Team G&amp;G Team 3rd Parties</em></td>
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<td><strong>Workover-1 &amp; Workover-2 Wells.</strong></td>
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<td><strong>Closeout project</strong></td>
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- **Full time:** PM Team – G&G Team
- **Partial Time:** Procurement, HSEQ Rep & Social Reps.
More experience

Geoscience support for three blocks in Colombia and two in Argentina

Seismic interpretation and static model building for Guarrojo (Ocelote) and Maná Blocks

Geoscience support for CR2, CR3 and CR4 Blocks
Contacts,

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**e-mail:** info@igs-sc.com