School of Gauges

Spy Pro ESP Monitoring Introduction

AUG 9th, 2022

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DATA ACQUISITION INSTRUMENTS

FOR EVERY WELL APPLICATION

ELECTRIC SUBMERSIBLE PUMP | GAS LIFT | PROGRESSIVE CAVITY PUMP | SUCKER ROD PUMP | RESERVOIR

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SCAN & VERIFY
ISO 9001:2015 Certified
CERTIFIED BY TRC
The Registrar Company

Organization

Geoscience

Multi-Client

Multi-Physics

Products

GeoTraining

Products

Seismic

Land

Downhole

Seabed

Downhole

O&G Wells

Artificial Lift

Reservoir

Well Test

Fracking

Capabilities and Facility Overview

Sercel Inc, TX, USA.

130,000 Gauges > 35,000 ESP gauges > 2,200 Spy Pro ESP gauges

- Largest independent Gauge Manufacturer
- Full Scale Gauge Development and Production Capabilities
  - R&D / Qualification
  - Motor Lab
  - Incoming Insp/Receiving
  - Machine Shop
  - Transducers
  - Electronic Assembly
  - Welding
  - Calibration
  - Final Assembly and Check
  - Tear Down

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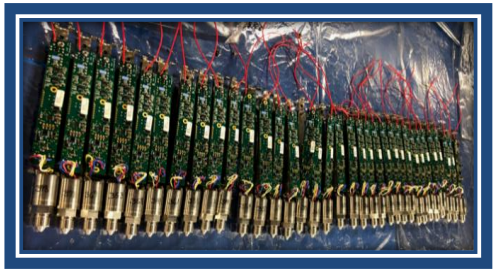
Capacidades e instalaciones

Spy Pro sub assembly

Final Assembly production

Welding CNC

PDHG sub assembly



Electronic assembly floor

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DATA ACQUISITION SOLUTIONS

Data Acquisition Solutions

Artificial Lift

Reservoir & Well Testing

Real Time Monitoring

ESP	Gas Lift, PCP, SRP	Gas Lift, Jet Pump, Plunger Lift
Spy Pro Series	**Piezo Series**	**GL Side Pocket** / **Piezo Series**
Surface Acquisition Units	**Surface Acquisition Units**	**MetroWin Software**

Memory

Tubing Conveyed

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Why Gauges? End User Perspective

Increase revenue and decrease cost.

- Optimize production.
  - Precise well control based on real-time data.
  - Reduce pump-off shutdowns.
  - Avoid downtime and workovers.
- Maximize runtime.
- Schedule re completions and budget inventory needs.
- Protect artificial lift investments.
- Optimize power consumption.
- Characterize the reservoir.
- Eliminate uncertainty and assumptions.
- Increase safety.

Why Gauges? OEM Perspective

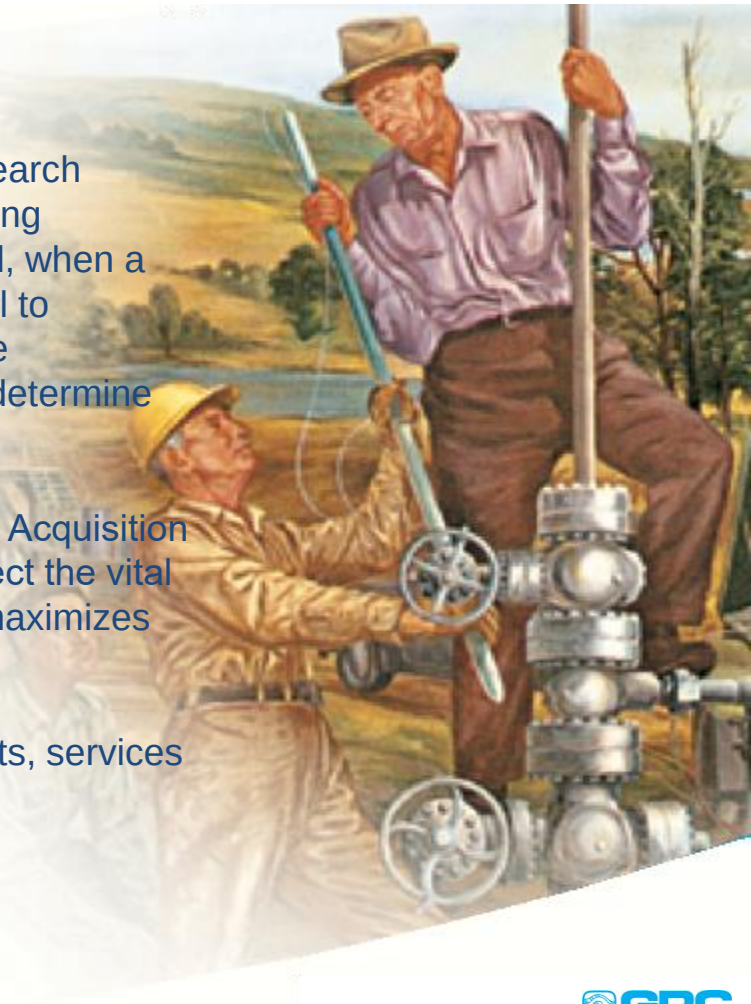
- Expands the product offering.
  - Add another revenue stream.
  - Satisfy tender requirements.
  - Offer products and features competitors can’t.
- Create new service offerings with captured data.
  - Production optimization consulting.
  - Lifting cost economic evaluation.
  - “Life of well” artificial lift planning.
- Obtain additional data for warranty validation.

Why GRC?

In 1925, Amerada® Petroleum Corporation created Geophysical Research Corporation (today Sercel-GRC) to investigate the possibility of applying geophysical methods to oil exploration. This effort was soon rewarded, when a team of scientists led by Charles Millikan developed a mechanical tool to measure downhole pressure and temperature. This tool, known as the Amerada® Gauge, enabled reservoir engineers and geophysicists to determine wellbore and reservoir capacity and performance.

Over 130,000 gauges later Sercel-GRC Corp continues to build “Data Acquisition Instruments for Every Well Applications” in order to continuously collect the vital information that provides health to your downhole assets in order to maximizes it's run life and produce your reservoir in the most efficient way.

We achieve this by continuously improving and innovating our products, services & support with one goal in mind ... Satisfy our customers!



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Let’s Take a Break

Back to “Data acquisition solutions”