



Always Drilling

Always Learning



HSEmoment





HSE Indicators

HSE leaders reporting +5 cards per person per week

0 operational events (NPT) during 2023

0 work related incidents/accidents during 2023

Active participation in Safety Tours during operations

100% compliance in external audit for labor conditions

Leaders in water re-use and recycling



feel



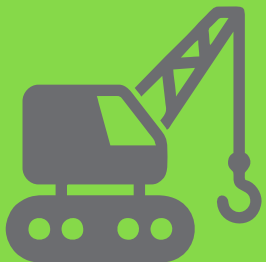
fluids



environmental



engineering



logistics

Our Expertise What We **Know**

Established in 2013

**+70 years of
Combined Experience**

**Projects in Colombia,
Ecuador & Guatemala**

WBM/OBM

+7.2 million ft drilled



Fluids & Waste

Cementing

Engineering

Project Management

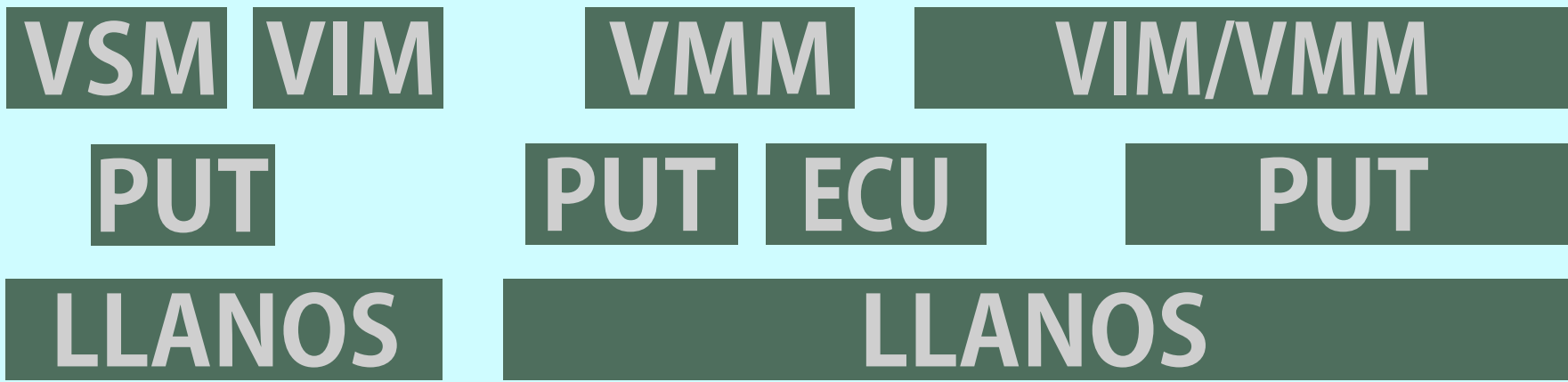


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BASIN



2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023

YEAR

Engineering and Support

Supervision and Follow Up

Design
Assessment
Optimization

Office/Field Support
Lab Support
Logistics



Tenders
Contract model
Technical proposals

KPIs
Training
New Technologies

Tenders and Contracts

Continuous Improvement

Office Support

Planning

Real-time Feedback

Regional/National Benchmarks

Detailed Cost Evaluation

Operational Input

Unique Database

Improvement Options

Quality on data/reports

Product Evaluation

R/U and layout improvement

Operational Input

Specialized On Site Supervision

Field Supervision



FEEL Engineer

Who?

On-site communication

Supervision proficiency

Lab and equipment savvy

High technical capabilities

Fluids and waste management experience

Drilling engineering expertise



What for?

Fluids-WM link

Specialized support & early call-outs

Enhance learning curve

On the spot improvements

Monitor program executions

Water & Recycling champion

QA/QC for maintenance in drilling tools "Fit for Use"



One of a kind

24/7 Access

Retrievable data



+800 wells

+10 years of data

Detailed data



100% Online

KPI assessment

National/Regional

www.feelconsulting.com

RELIABILITY ENGINEERING

Engineering documentation
services

BHA Design reviews

Torque & Drag Simulations

Hydraulics Analysis

FAILURE ANALYSIS

Failure mode & RCA

Material Analysis

Lab testing (D & ND)

Assembly mistakes

Finite Element Analysis (FEA)



INTEGRITY

Quality Solutions

QMS

Quality Management Systems

Design and Implementation
Industry Standards
Processes with vendors

Drilling Tools

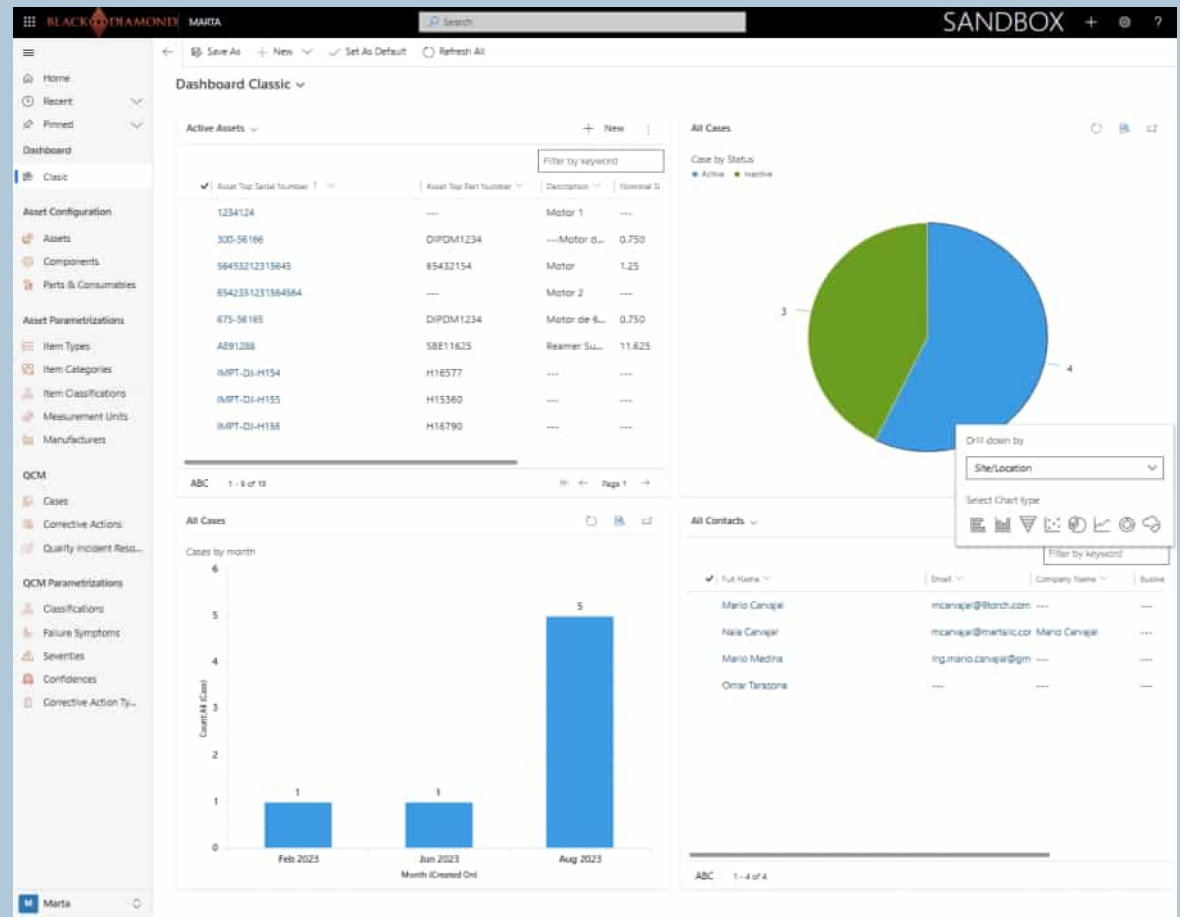
PDM, RSS, MWD/LWD
Tubulars and Impact Tools
Drill Bits

Digital Solutions

Software development
Mobile apps
Cloud based

Data Analytics & Reports

MARTA QCM - Quality Centered Management





FAILURE ANALYSIS

Observable marks and patterns

Plans and blueprints

Documents and maintenance tracking

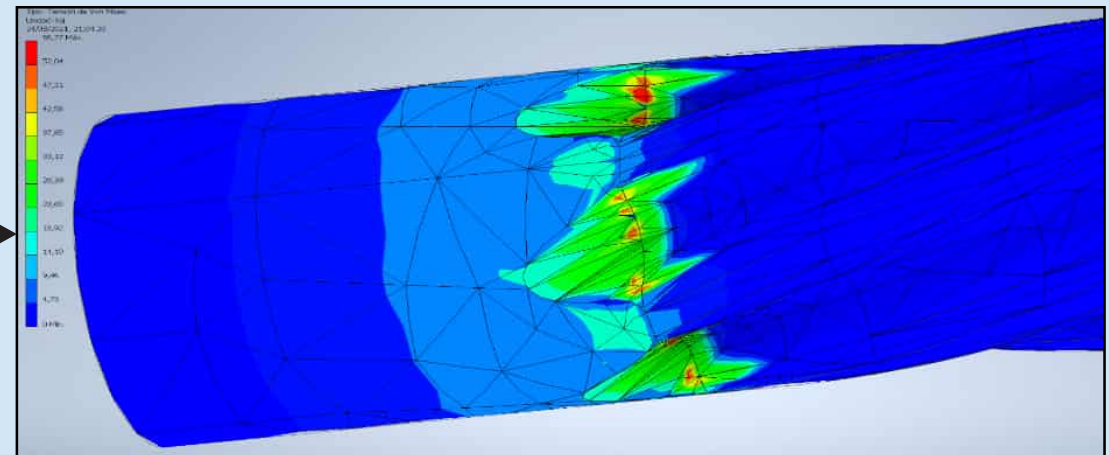
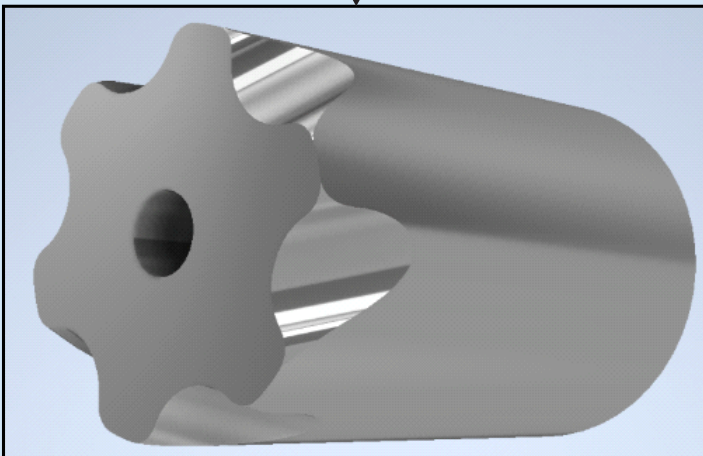
Chemical composition analysis

Mechanical properties

Finite Element Analysis

Failure mode

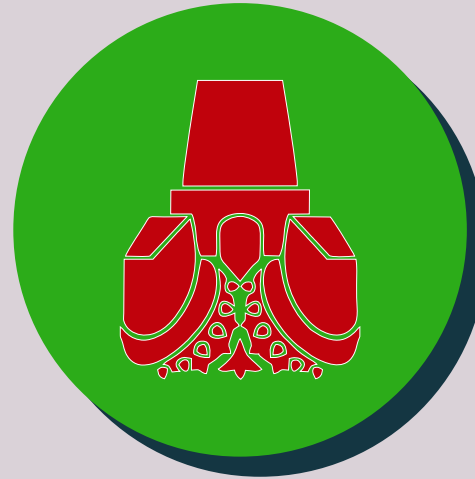
Root cause



Operational milestones:



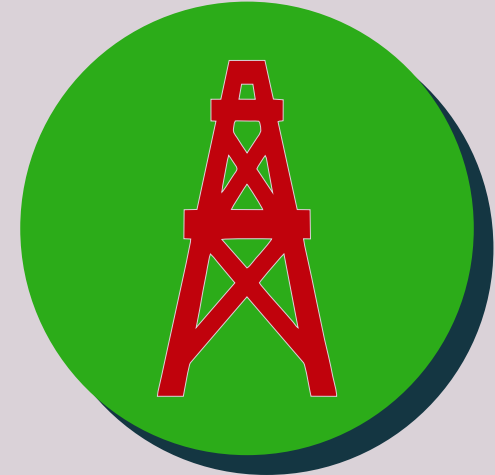
Deepest
13 3/8" casing @
13.800 ft



9.821 ft
Horizontal
Displacement



6.682 ft
Cement
Column
<10 mV

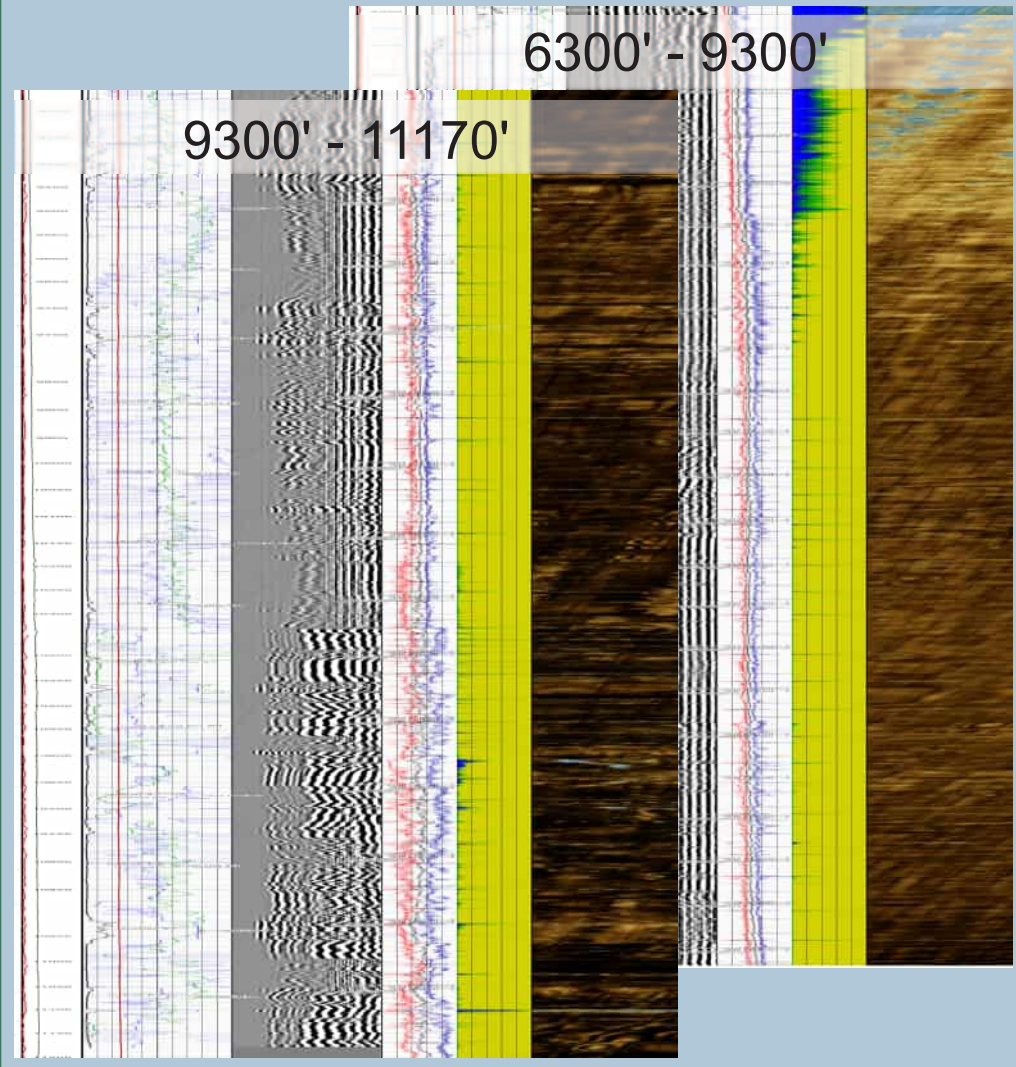
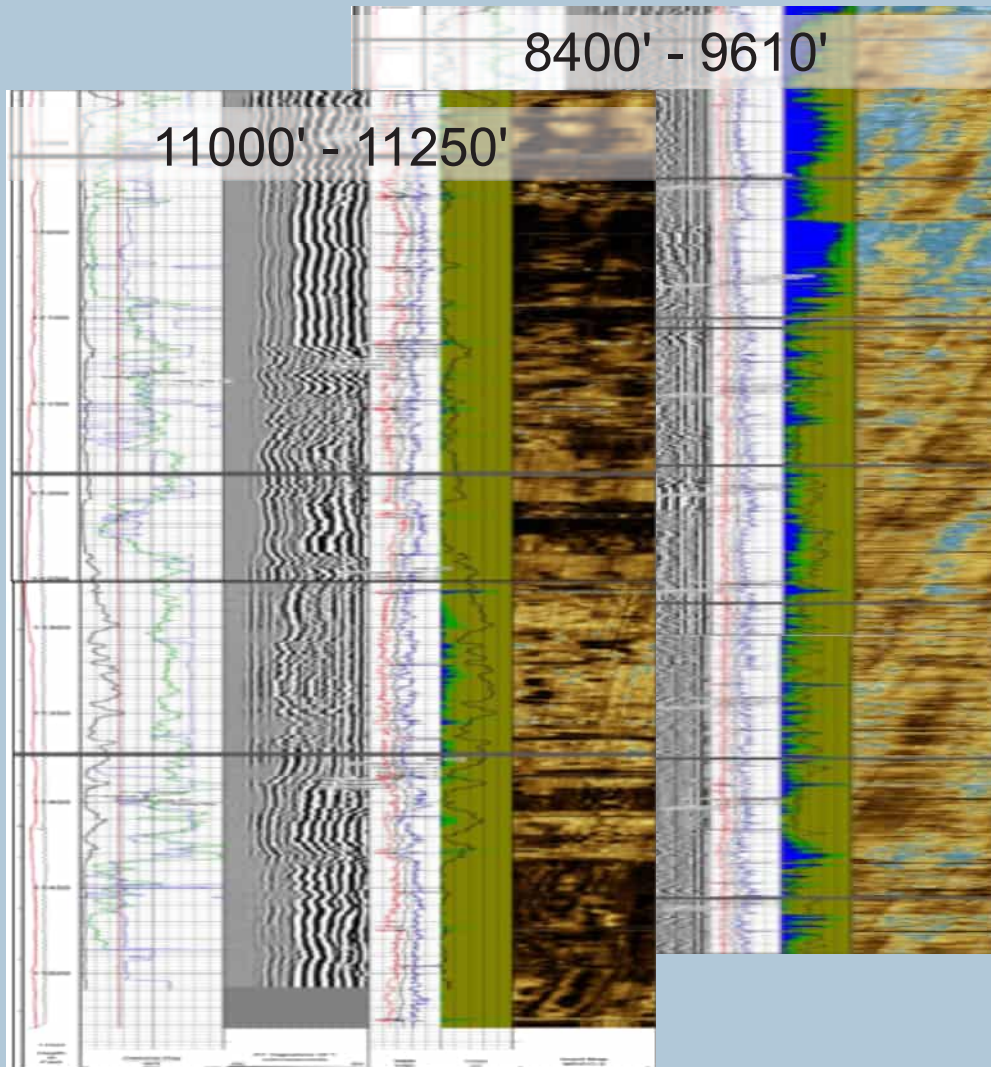


+4.8/ Wells
million ft **510**
Drilled

Cementing

Before

After



Improved seal in payzone - Higher TOC - Reduced volumes

SUPPORT NETWORK



Enhanced
Oil Recovery

Lab
Support

Innovation
Engineer

Data
Management

Waste
Management
Specialist

Cementing
Specialist

Drilling
Specialist

FEEL
Engineers

FEEL Specialist



Responsibility **Commitment** **Accountability**
Integrity **Adaptability** **Ethics**
Respect **Exceed Expectations** **Honesty**