Presentation Walk-away Points:
- The Decline Curve Will Always Win
- Core’s Differentiating Technologies
- Core’s Industry Leading Shareholder Returns
Our services and products focus on maximizing incremental daily production rates and ultimate recovery rates to maximize our clients’ return on their investments.

Core Lab targets the more stable, less volatile, production and production enhancement component of the oil companies’ capital and operating budgets.

Clients are the IOC’s, NOC’s and technologically advanced independents.
Leaders in rock property analysis from the traditional perspective to the most advanced in the world.

The Decline Curve

Core Lab provides services through its two operating segments at points all along the decline curve:

- Reservoir Description
- Production Enhancement

Fluids analyses range from traditional methods used to derive the basic characteristics of fluid, to the more advance fluids testing using our Sanchez Cell (shown here), to perform enhanced oil recovery ("EOR") tests at reservoir temperatures and pressure conditions.

Further more…
Today, using technology Core Lab designed and engineered specially for tight rock reservoirs, Core Lab is conducting experiments to create data sets to conduct unconventional EOR.

On average, unconventional reservoirs currently yield a recovery factor of approximately 9%...

Light hydrocarbon gas injections, cycling, and absorption efficiencies have yielded recoveries of up to 15% on average in our laboratory.

Using Core Lab’s proprietary internally designed and engineered for tight rock, High Frequency Nuclear Magnetic Resonance – “NMR” (shown here), we distinguish between moveable and immovable hydrocarbon in the reservoir.
These techniques are scientifically different from those used in conventional EOR.

Under reservoir conditions, using Core Lab’s Pressure Volume Temperature ("PVT") and NMR technology, Core Lab can determine the ideal gas combination for gas injection, cycling and adsorption for unconventional EOR.

By using the natural fracture network and the additional fractures as a result of the client’s hydraulic stimulation program, the injected combination of gases change the crude oil’s chemical composition, resulting in incremental recovery.

Shown here, NMR technology illustrates the before and after results of unconventional EOR testing in the lab.

The “after” results in Region 1 shows some solid hydrocarbon becomes mobile oil and Region 2 shows more movable oil could be produced as a result of the unconventional EOR.
Core Lab's wellbore diagnostics provide the client a bird’s eye view of their field post unconventional EOR. Our diagnostics show the production source and contribution by stage enabling the client to maximize their incremental recovery results and apply learning to future unconventional recovery.

Core Lab completion products technology is designed to minimize formation damage and maximize incremental recovery…

The following is recent completion product technology aimed at enhancing production from unconventional reservoirs.

Introducing the HERO® PerFRAC perforating system, which is designed to provide consistent hole sizes throughout the perforating cluster, thereby maximizing frac efficiency and increasing stimulated reservoir volume ("SRV").
Growth Strategies

In-house design and engineering of new and enhanced reservoir optimizing technology enabling higher incremental and ultimate recovery rates.

We strive to offer our clients these technologies throughout our existing international platform.

These three growth strategies have been essential ingredients to our improving performance.

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Showed here is Core Lab’s product technology performance compared to the market’s commodity product.

Core Lab’s product technology is designed to increase ultimate recovery from the reservoir:

• Provide 100% contribution of perforating clusters
• Require minimal hydraulic horsepower
• Enhance proppant deployment
• Maximize stimulated reservoir rock (“SRV”)

Core Lab – a Company that...
1. Is Uniquely Focused on Reservoir Optimization;
2. Has Patented and Proprietary Technologies;
3. Has Global Presence;
4. Generates High Levels of Free Cash Flow;
5. All Designed to Outperform the S&P 500, the OSX, and the AEX.