

# Weatherford and the Petroleum Industry History of Weatherford International

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July 2016

COMPLETIONS

# Weatherford History - Objectives



After completing this module you will be able to:

- Understand the origins of Weatherford International

# Weatherford Spring & Coil Co



# Historical Perspective – Corporate Overview



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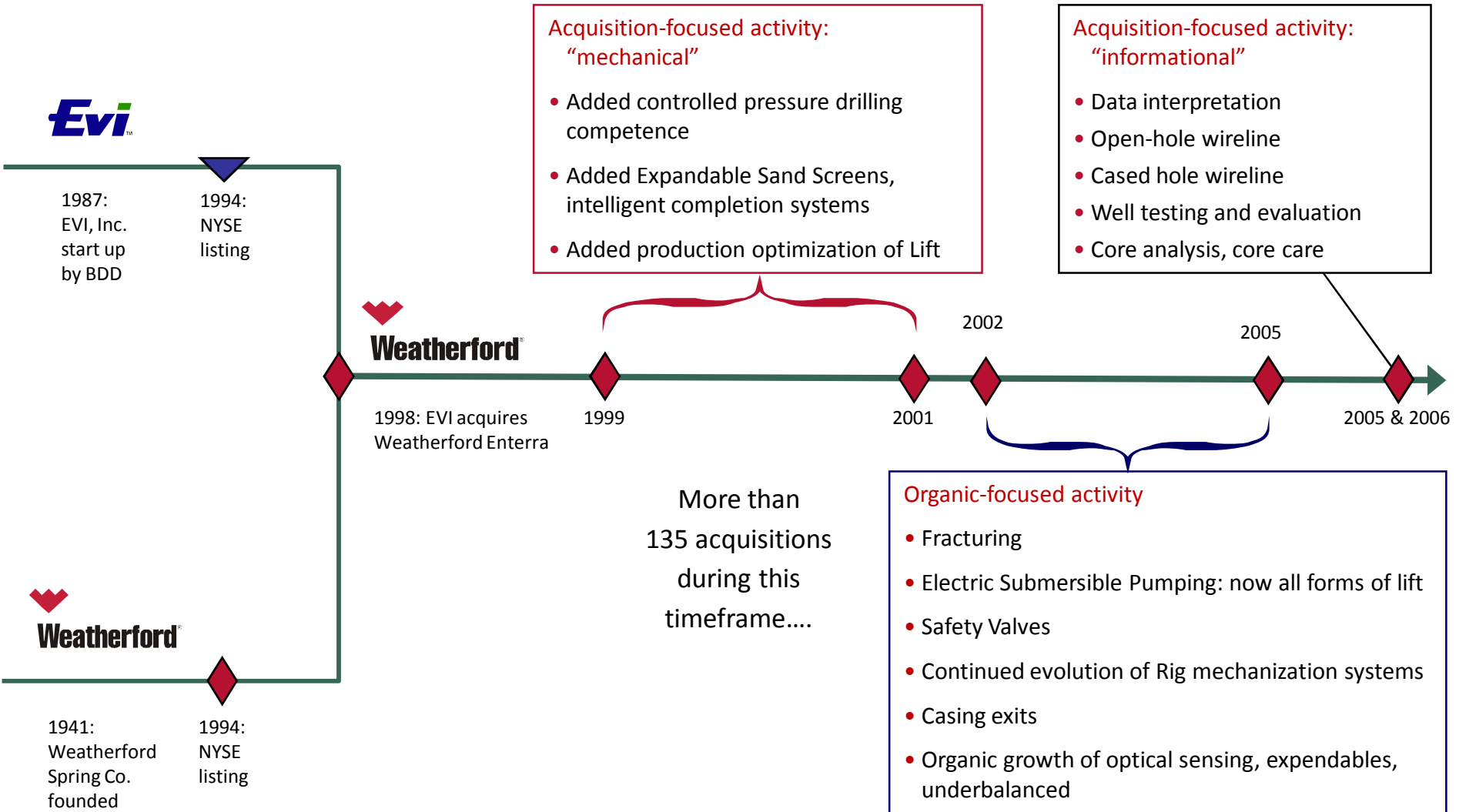


ord International Ltd.

ing Company founded  
ers and Centralizers for Casing  
erford Oil Tool Company  
Inc, (EVI) founded  
d tubular connections  
Weatherford International



# The Weatherford Evolution



# Weatherford Milestones



- Was the **first** company to develop and install whipstock technology
- Is the **only** company who has run over 400 expandable sand screens
- Was the **first** company to develop mechanized rig technology
- Is the **only** company in the world who can offer all types of artificial lift
- Was the **first** company to apply managed pressure drilling in the GOM
- Is the **only** company that has monitored more than 70,000 wells real-time with optimization technology
- Was the **first** company to develop a permanent in-well seismic optical sensing system
- Is the **only** company that handles more than half of the world's tubular running programs in deepwater applications

# Infrastructure



# Weatherford



- Weatherford is an oil and gas service company with a presence in every major oil and gas region of the world. Our business is helping our clients to safely and sustainably find, drill, complete, and produce oil and gas fields.

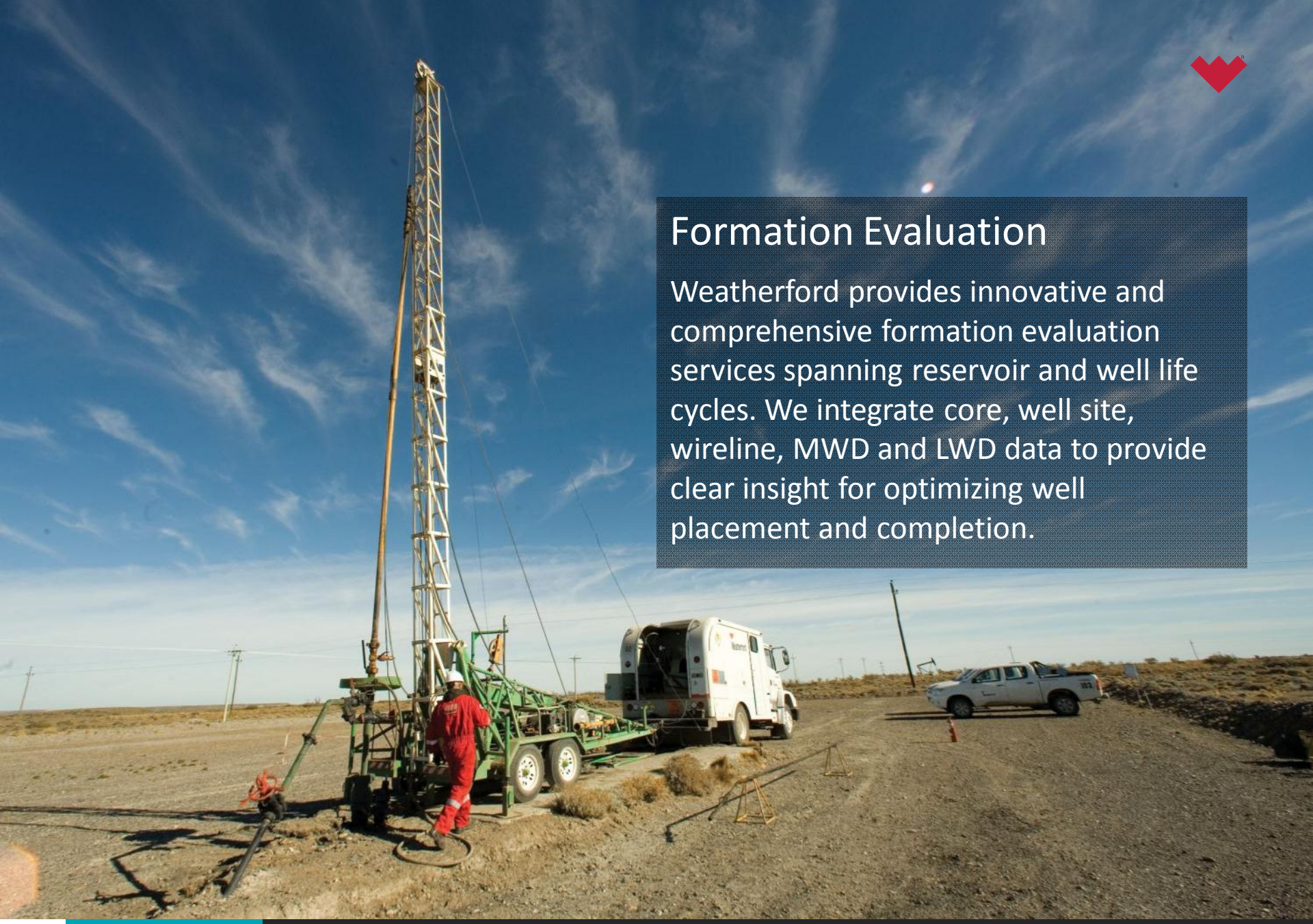






## Formation Evaluation

Weatherford provides innovative and comprehensive formation evaluation services spanning reservoir and well life cycles. We integrate core, well site, wireline, MWD and LWD data to provide clear insight for optimizing well placement and completion.



# Business Segment Descriptions



## ■ Formation Evaluation /Drilling

- Drilling Services
- Laboratory Services
- Petroleum Consulting
- Secure Drilling Systems
  - Under Balanced Drilling
  - Managed Pressure Drilling
- Surface Logging Systems
- Testing and Production Services
- Wireline Services.



## Well Construction

We have developed a portfolio of products, techniques and services that help clients ensure well integrity for the lifetime of the well. We design and construct cost-effective, high-integrity wellbores, using a combination of traditional and non-traditional technologies and methods to effectively mitigate significant economic and operational well construction challenges in increasingly complex environments.

# Business Segment Descriptions



## ■ Well Construction

- Cementing Products
- Liner Systems
- Drilling Tools and Rental Equipment
- Re-Entry Services
- TRS (Tubular Running Services)
- Fishing Services
- Wellbore Cleanout Services.



## Completion

We specialize in reservoir completion as the key to maximizing recovery and optimizing production for clients. We push the technology envelope in developing tools and techniques to unlock reserves in unconventional and aging reservoirs.

# Business Segment Descriptions

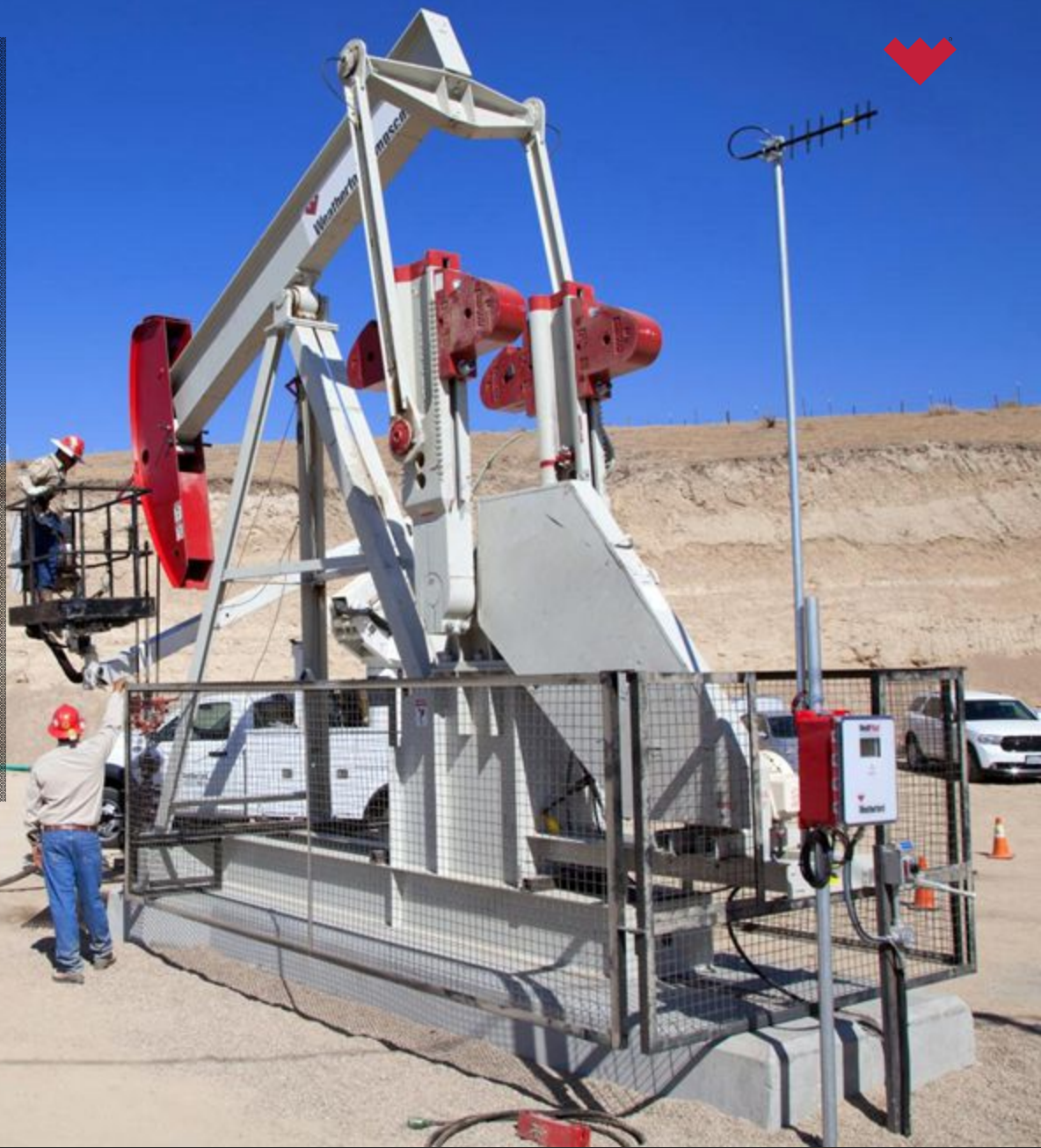


## ■ Completions / Stimulation

- Lower Completions
- Upper Completions
- Sand Control
- Pressure Pumping Services (Frac)
- Thru-Tubing Services

# Production

Our extensive suite of well optimization services work together seamlessly to boost field productivity and profitability. We cover all the bases—from the only complete artificial lift portfolio to novel in-well and surface pressure, temperature and flow measurements, and the industry's leading production network optimization software and workflow.



# Business Segment Descriptions



## ■ Production

- **ALS (Artificial List Systems)**
- **Automation and Control**
- **Flow Measurement**
- **Production and Reservoir Monitoring.**



# Segments: Technology & Market Position

	Technology Intensity	Market Leadership
<b>Drilling Services</b>		
• Underbalanced	High	#1
• Directional	High	#4
<b>Well Construction</b>		
• Tubular Running	Med	#1
• Cementation	Low	#1
• Liner Hangers	Med	#2
• Expandables	High	#2
<b>Wireline</b>		
• Open Hole	High	#4
• Cased Hole	Med	#4
<b>Re-entry &amp; Fishing</b>	Med	#1
<b>Drilling Tools</b>		
• Proprietary	Med	#1
• Non-Proprietary	Low	#1
<b>Integrated Drilling</b>	Low	#4

# Segments: Technology & Market Position

	Technology Intensity	Market Leadership
<b>Completion</b>		
• Completion Tools	Med	#3
• Sand Control	High	#4
• <b>Sensing</b>	<b>High</b>	<b>#1</b>
<b>Artificial Lift</b>		
• Reciprocating Rod Pumps	Low	#1
• Progressing Cavity Pumps	Med	#1
• Hydraulic Pumps	Low	#1
• Gas Lift	Low	#1
• Electrical Submersible Pumps	Med	#6
• <b>Optimization</b>	<b>High</b>	<b>#1</b>
<b>Stimulation &amp; Chemicals</b>	Low	#5

# Who We Are



More than

**32,000** people

**710** facilities

**100** countries

**85** manufacturing plants

**16** training and R&D facilities

**10** service lines

But *only*

**ONE**

Weatherford.



# Weatherford History - Summary



In this module we discussed:

- Weatherford International's history



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# Questions