



**NEWALTA**

**MODULAR PROCESSING SOLUTION**

**Case Study**

## Anadarko Strip Site, DJ Basin, Colorado



We installed the modular processing solution at Anadarko's strip site in just 20 days.



Jared Brady and Adam Kesterholt of Newalta work on the site's receiving tank.



Newalta is helping reduce costs, lessen environmental impacts and enhance onsite safety performance.

Anadarko, a major U.S. oil producer with extensive operations in the DJ Basin, which covers much of northeastern Colorado and eastern Wyoming, has remained active in the basin amid the prolonged slump in commodity prices. Anadarko recently explored options for waste management services at a strip site location to reduce costs, minimize environmental impact, and enhance onsite safety performance.

### Opportunity

Anadarko engaged Newalta in late 2015 through its EH&S group, which oversees waste and cuttings disposal programs for drill sites, completions, and work-over rig operations.

Anadarko required support to run an onsite waste processing facility at a "strip site" location. A centralized facility that collects and processes water from drilling, completions and production activities. Anadarko now reuses water for fracking operation, has reduced truck traffic as well as reduced the number of long round trips to landfills, which all improved the impact to the local communities. Newalta developed a solution that would efficiently manage the site which enabled Anadarko to focus on their operations.

### We tightly defined the key drivers for Anadarko on this project:

- Reduce the volume of wastewater sent offsite for disposal.
- Reduce the amount of freshwater required for fracking.
- Reduce truck traffic to minimize the impact on public roads, noise and air quality.
- Reduce the chemical cost for processing water for reuse.
- Reduce the cost of treating waste at a centralized strip site.
- Help meet sustainability and regulatory commitments by increasing the amount of water reused and reducing the amount of solids sent to landfill.

- Have the ability to mix weighted kill mud for the work-over rigs onsite.

### Solution

Newalta's innovative engineered solution leveraged our modular construction concept that we specialize in and serves as a key differentiator in the market.

Newalta designed, built, and operates a facility which includes the required equipment, including a two-phase centrifuge. Newalta was able to mobilize, commission, and operate the facility at required capacity within the timeline of 20 days.

Designed to process 20,000 barrels per month we have the ability to process up to 40,000 barrels per month of oilfield waste.



Newalta is a leading provider of innovative engineered environmental solutions that enable customers to reduce disposal, enhance recycling and recover valuable resources from oil and gas exploration and production waste streams. Using advanced technologies and processes, we work with customers to solve environmental, commercial and operational challenges that help reduce operating costs and achieve sustainability objectives.

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### Results

**Volumes processed** - Newalta processed approximately 25,000 barrels in March 2016 and approximately 29,000 barrels in April which exceeded the expectations of the customer.

**Disposal costs** - Anadarko's original disposal costs ranged between \$18 and \$20 per barrel. Newalta engineered a solution to process and reuse the water phase reducing costs by 40% to 60%.

**Chemical usage** - The Newalta solution has reduced the chemical consumption for fluid processing by approximately 50% to 60% compared to the previous service provider.

**Customer feedback** - Anadarko has provided positive feedback through all phases of the project. Senior Anadarko representatives have visited the site and complimented our focus on operational excellence, safety culture, and drive for continuous improvement. We see our solution as a perfect example of Newalta's Sustainability Simplified vision.



Corporate Account Manager Russ Bray and CEO John Barkhouse of Newalta visit with Anadarko's Senior HSE Representative Mike Dinkel.

### Contact

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