



Purestream Services, llc

Presentation to Commissioner Craddick
Texas Railroad Commission – May 22, 2014

AVARA

Accelerated Vapor Recompression

IGF

IGF+

Water Clarification – Oil and Suspended Solids
Removal



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State of Texas Pilot Demonstrations



Eagle Ford and Granite Wash

AARA

Accelerated Vapor Recompression


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State of Texas Pilot Demonstration



Penn Virginia, Eagle Ford – January, 2014

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State of Texas Pilot Demonstrations



Apache, Permian Basin– May 2014
2,500 bpd Induced Gas Flotation



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State of Texas Commercial Units



EOG Resources – April 2014

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Purestream Services - Products



Description

- Waste water reclamation via vapor recompression
- Flow-back/produced water can be used for fracking or discharge
- Low pressure/low temp.

Functional considerations

- Compact size; quick and easy deployment at or near well-head
- Ability to concentrate waste water brine to TDS of 225,000 ppm
- 1,000 - 100,000 bbl/day

Other considerations

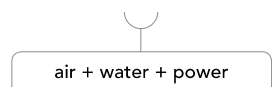
- 20%+ hard cost savings vs. traditional solutions
- Successful active deployments



- Waste water reclamation via induced gas flotation
- Reduce total suspended solids (TSS)
- Allows for harvesting of hydrocarbons

- Processes up to 75 gpm of water
- TSS floatable hydrocarbon levels <5 ppm
- Removal of 97% of TSS, including oil & condensate
- 2,500-115,000 bbl/day

- 20%+ hard cost savings vs. traditional solutions
- Lower cost approach for applications where TDS is not a concern





Purestream Services

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