Case Studies

From 2022-2025

Knowledge Sharing Sessions 2022-2023

whitson

Fluid Mapping in Duvernay
Jaron van Dijken
CPG

How to Interpret MFMB
Leslie Thompson
whitson

Numerical RTA on 100 wells
Brian Collins
89 Energy

Transitional Flow in Duvernay
Jaron van Dijken
CPG

Nodal in whitson+
Jon Pratt
Devon Energy

Numerical RTA & Well Spacing
Braden Bowie
Apache

Check this before Numerical RTA
Mathias Carlsen
whitson

Multiphase FMB in the Bakken
Jason Billings
Whiting

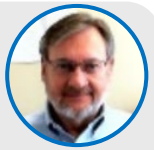
BHP automation in whitson+
Wade Baustian
Camino

RTA in the Bakken
Gaurav Sharma
CPG

MFMB to Evaluate Refracs
Steven Young
Devon

Probabilistics in whitson+
Tyler Micheli Tap
Rock

Estimates of pi from flowback data
Steve Jones
Consultant



BHP automation in whitson+
Mark Watson
Diamondback

Multiphase FMB for well-groups
Leslie Thompson
Coterra

Numerical RTA in Anadarko
Ruth Hulme
Ovintiv

ESP, or not ESP – That's the Question
Brock Robertson
Marathon

Utilizing RTA in Asset Acquisitions
Brian Periman
WNR

Gas lift in whitson+
Graham Helfrick
whitson

Quick Nodal in whitson+
Graham Helfrick
whitson

Well Interference: DQI
Mouin Almasoodi
Devon

Filtering & Grouping in whitson+
Mohamad Dahouk
whitson

Choke Management IP Analysis
Jorge Garcia
EQT

whitson+ API 1.01: Auto Connect your Data
Jason Hu - whitson

Recovery Factor: CGR/WGR vs pwf
Narayan Nair, Coterra

Knowledge Sharing Sessions 2024

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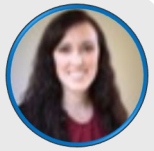
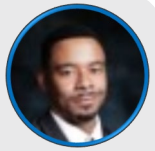
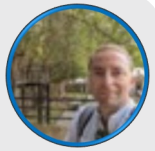
1 Type Well Dataset, 4 Interpreters
Kimberly Ayers, Ayers C.



1 Type Well Dataset, 4 Interpreters
Beau Utley, Baytex E.



1 Type Well Dataset, 4 Interpreters
Adrian Morales, Dominion E.



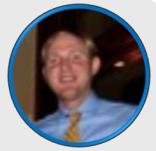
1 Type Well Dataset, 4 Interpreters
Paul Neumeister, Enerplus

10 case studies, in 10 minutes using whitson+
Mohamad Dahouk, whitson

Recovery Factor Analysis
Neil Longenbaugh, Coterra

Initial Reservoir Pressure with IPR Analysis
Peter Mahoney, SWN

RTA: 1 well, 3 Interpreters
Matt Padgham, Citizen

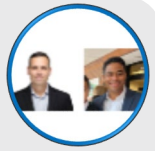


RTA: 1 well, 3 Interpreters
Mark Dunseith, Continental

Benchmarking BHP Calculations
Mathias Carlsen, whitson

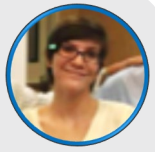
Time-Lapse Geochemistry & Well Diagnostics
Peter, Matthew, Donovan, Mike & Brian, Devon

Importing Forecasts into whitson+
Adam & Alfredo, Ovintiv

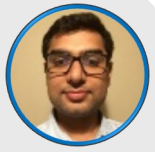


Nodal: 1 well, 3 interpreters
Jon Pratt, Devon

Nodal: 1 well, 3 interpreters
Nicole Bourdon, Coterra



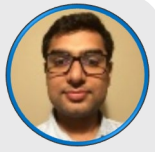
Nodal: 1 well, 3 interpreters
Gaurav Sharma, CPG



Applying Numerical RTA to Public Data
Braden Bowie, Apache

Design and optimize gas lift in whitson+
Graham Helfrick, whitson

RTA: 1 well, 3 Interpreters
Gaurav Sharma, CPG



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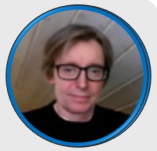
Multi-Well Gas Lift Optimization
Kory Lucas, Devon
Graham Helfrick, whitson

whitson+ VLP Export
Stein Erik Berthelsen, Pandion Energy



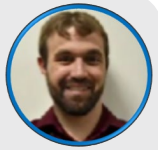
Downhole Choke
Milan Stanko, whitson

Analytical RTA in Dry Gas Window
Neils Snow, Continental Resources

Auto-Forecast
Mohamad Dahouk, whitson

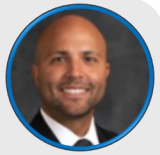
PNR DCA
Mathias Carlsen, whitson

Translating Whitson EOS into Mappable Properties
Wilson Hahnenberg, Ovintiv



Volumetric Perf Erosion Analysis for Eval. Stimulation Performance
Matt Jones, Oxy

Optimizing Well Production Forecasting: A whitson+ Automation Workflow
Juan Fernandez, Oxy



Forecast Manager: My New Friend
Mathias Carlsen, whitson

Jet Pump BHP Calculation
Milan Stanko, whitson

Comparison Plot: What's New and Why I'm Excited
James MacDonald, whitson

DJ Basin Terminal Decline Using whitson+
Raul F Rodriguez, Oxy

Gas Lift Optimization, Wins and Losses
Garrett Stacey, Petrohunt

Migrating Type Wells in whitson: Key Learnings
Venkata "Teja" Chavali, whitson

Mitigating the Effect of Water in Multiphase Flowing Material Balance
Leslie Thompson, whitson

Shut-in BHP Calcs & Downhole Chokes in Practice
Graham Helfrick, whitson

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Fluid Modeling for Underground Hydrogen Storage
Markus Hays Nielsen, whitson

DCA & Type Well Workflow
Jason Billings, Civitas

Operationalizing Reservoir Insights using whitson+
Jeffrey van Wageningen, Formentera

Centralized Gas Lift Compression Optimization Workflow
Jon Pratt, Devon

What's New? Multi-well Nodal Analysis
Graham Helfrick, whitson

Measurements, Models, and Innovation – Increasing Oil Recovery in the Bakken
Craig Cipolla, HESS

Converting RTA Half-Lengths to Actual Non-Uniform SRV Half-Lengths
Vivek Muralidharan, Oxy

Use of Build-Ups in RTA
Danish Tarar, Continental Resources

Permian Case Study: DCA & Multiphase FMB Workflow
Neil Longenbaugh, Coterra

Case Study: RTA in the Midland Basin
Adam Block, Ovintiv

Scalable Estimation of initial Pressure from Early Flow Data
Sam Shoun, Callon Petroleum

CumPI and Numerical RTA: A simple Method for Well Performance Analysis
Carlos Miranda, HESS

Multiphase FMB for Well-Groups
Leslie Thompson, whitson

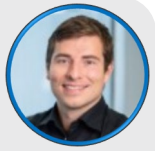
How NOT to CPG
Donovan Armistead, Devon

Multi-well Numerical Models in whitson+
Stian Mydland, whitson

Numerical RTA on 100+ wells in the Anadarko Basin
Brian Collins, 89 Energy

Evaluating 20+ Refracs in the Eagle Ford with Multiphase FMB
Steven Young, Devon

Seeking Delta: Fractional, Numerical RTA on 269 wells in the Midland Basin
Braden Bowie, Apache



Oil Well Interpretation 1
Alejandro Lerza, Chevron

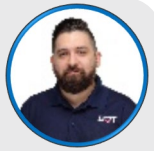
Oil Well Interpretation 2
Rohit Sinha, Marathon

Oil Well Interpretation 3
Amy Studdert, Murphy

Gas Well Interpretation 1
Ryan Jicha, Pioneer

Gas Well Interpretation 2
Brian Periman, Crescent Energy

Gas Well Interpretation 3
Jorge Garcia, EQT



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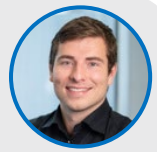
Navigating Type Wells with Style and Precision
Kimberly Ayers
Ayers

Pressure Normalized Type Wells
James Tucker
Javelin

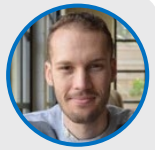
Sorry, you're not my Type... Well
David Fulford
EIV

whitson+: Learnings from a year of Nodal
Graham Helfrick
whitson

Improve my Production, But Economically Please
Braden Bowie
Apache



Nodal at Scale: Monitoring Liq. Loading
Greg Gannaway
Coterra



Monitoring Flowback: Pressure Norm. Insights
Samir Bootwala
Baytex

Automatic History Matching on 2000+ Wells in the Bakken
Sebastien Matringe
HESS

Operationalizing Well Performance
Jorge Garcia
EQT

whitsonPVT: A 1 Stop Shop for Everything PVT
Markus Hays Nielsen
whitson

Gas EOR: The Gas Huff-n-Puff PVT Experiment
Ed Wanat
ExxonMobil

whitson+: 10 Tips in 10 Minutes
Mohamad M. Dahouk
whitson

Relative Perm.-Free Forecasting in Permian
Deepak Chakravarthy
Ecopetrol Permian

RTA Observations from the Mid Con
Matt Padgham
Citizen

RTA Guided Develop. in the Permian
John Dwyer
Devon

One Dataset, Three Interpreters: Type Well

Jenna Anaya
Continental

Alex Galley
Murphy

Jason Billings
Civitas

A Brief History of RTA
David Anderson
Saga

Panel Discussion: Enhanc. our Understanding of the Subsurface
Alejandro L., Orkhan S., Craig C., Vivek M.

One Dataset, Three Interpreters: RTA

Liz Brescher
Marathon

Joe Krenger
Ascent

Avery Davis
Silverbow

+

M. J. Fetkovich Technology Award
Christopher Clarkson
University of Calgary

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whitson: It's About People

Mathias Carlsen
whitson

whitsonX: Your Development Optimiz. Engine!

Braden Bowie
whitson

From Pages to Practice: Lessons from Monograph 5

Jennifer Fitzgerald
Oxy

Converting Type Wells in Whitson: Integrat. Monograph 5 Principles
Tim Tomberlin, Alex Galley, Wail Hubaishi, Murphy

The Santos whitsonPVT Journey

Steve Howlett
Santos

Incorporating PVT Uncertainty into Dyn. Simulation

Victor de Souza Rios
Equinor

whitsonPVT : The One-Stop-Shop for Everything Fluids!

Markus Hays Nielsen
whitson

Choke Schedule Optimization in whitson+

Scott Galuska,
TRP Energy

Practical Learnings from Another Year of Prod. Eng.

Graham Helfrick,
whitson

Journey from Vert. to Horiz. Develop. in Uinta

Adrian Morales
Enbridge

RTA Quant. of Operational Sequence in a Large-Scale Development

Baosheng Liang, Diamondback

Automating pRi Determ. from Square Root Time Plots

Jerrod Ryan
Expand

Early EUR Indicator for Unconv. Wells Based on Hourly Flowback Data

Xueying Ying, Oxy

Data Integration for 4,000+ Wells via Snowflake

Sam Shoun
Chord

Gas-Oil-Ratio Increase Despite Operating Above Sat. Pressure

Brett Wootton
Teine

Modeling SRV Degradation Using a Custom Table for Fracture Gamma

Chad Jongeling, Expand

The Interplay of Well Spacing, Completion, Depletion and Economics

Braden Bowie, whitson

Completion Design Strategy with whitson+: A Midland Basin Case Study

Anthony Jimenez, SM Energy

Utilizing RTA and Simulation to Optimize Stage Architecture

Mark Dunseith, Continental

Depletion Impacts in Parent–Child Well Systems using RTA

Jordan Burnham
Petronas

What's Going on Near the Well? DTS Analysis & Modeling

Logan Warren
ConocoPhillips

whitson User Community Awards
Xueying Xie (Oxy)
Jenn Anaya (Continental)
Tyler Conner (Oxy)

M. J. Fetkovich Technology Award
Dave Anderson
SAGA Wisdom

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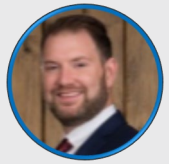
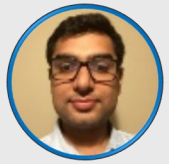
Using whitson+ to Identify Exploration Opportunities
Scott Grant, Suede Energy



EOS PVT Mapping in the Montney
Rashid Sohail, Ovintiv

Integrated RTA Workflow in the Bakken
Gaurav Sharma, CPG



A Montney Pad Case Study: Late Time Interference Challenge
Raj Kumar, Whitecap

Transitional Flow – How far can you go?
Jaron van Dijken, CPG

Multi-layer PVT Initializations
John Yeo, Birchcliff

Next Generation Workflows: What we've done, where we're going
William Hutchison, Ovintiv
Angela Dang Atkinson, Ovintiv

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Automating Separator Oil Shrinkage Calcs.
Mathias Carlsen
whitson

Multi-well Modeling to Evaluate Glauc Down Spacing
Jin Xie
Whitecap

Evaluating Drawdown Sensitivities: A Case Study on the Impact of Fluid Types and Drawdown Strategies
Doug Carter, CNRL

Calibration of Rel Perm Parameters using Automated Numerical History Matching
Jordan Bowie
ARC

Optimizing Gas Lift Distribution with Physics
Graham Helfrick,
whitson

Type Well Profiles and Uncertainty
Bertrand Groulx,
Independent

Use of the Contacted Fluid-in-Place Method to Identify & Quantify Inter-Well Communication
Chris Clarkson,
Univ. of Calgary

Software and Data Integration Overview
Shane Tapper
Paramount

The Impact of Depletion on Child Well RTA Results: Insights from the Montney& Duvernay
Hossein Ahmadi
Veren

Type Well Profiles: Best Practices and Monograph #5 Key Learnings
Kevin Hanson,
Ovintiv

Doing the Time Warp: Not Just a 70s Cult Classic
Darcy Redpath
Petronas

We support energy companies, oil services companies, investors and government organizations with expertise and expansive analysis within PVT, gas condensate reservoirs and gas-based EOR. Our coverage ranges from R&D based industry studies to detailed due diligence, transaction or court case projects.

We help our clients find best possible answers to complex questions and assist them in the successful decision-making on technical challenges. We do this through a continuous, transparent dialog with our clients - before, during and after our engagement.

The company was founded by Dr. Curtis Hays Whitson in 1988 and is a Norwegian corporation located in Trondheim, Norway, with local presence in USA, Middle East, India and Indonesia.

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