

IDAWRA: THE FIRST PRODUCING PETROLEUM FIELD IN IDAHO'S HISTORY—WHAT WE KNOW, WHAT WE WANT TO KNOW, AND WHAT WE MAY NEVER KNOW

Nov. 16, 11:30 - 1:00

**Washington Group Plaza Executive Dining Room, 720 Park Blvd., Boise
Dr. Renee L. Breedlovestrout, Idaho Geological Survey**

Idaho Section of the American Water Resources Association

IDAWRA: The First Producing Petroleum Field In Idaho's History—What We Know, What We Want To Know, And What We May Never Know

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Sandstone and mudstone deposits in the Weiser-Payette Basin of southwest Idaho provide several stacked reservoir intervals for Idaho's first producing hydrocarbon field. This presentation will focus on what we understand so far about the natural gas and liquid condensate play and outlines the work that needs to be done in the future. This NW-SE-trending intercontinental extensional basin of the western Snake River Plain contains seventeen active hydrocarbon wells, eight of which are in production. From oldest to youngest the Payette, Chalk Hills, and Glens Ferry formations were deposited during basin extension and normal faulting. These formations provide potentially sufficient amounts of organic material to source the basin with hydrocarbons and a decent reservoir to store the accumulations. More exploration is needed to assess adequate hydrocarbon traps, and the maturation and migration history in the basin. Other older organic-rich sedimentary rocks also occur in southern Idaho and may also contribute to the hydrocarbons of the Payette Basin.

Renee Breedlovestrout got her PhD in geology from the University of Idaho with a focus on paleobotany and stratigraphy. She worked for ExxonMobil Exploration Company for three years on fields from offshore Angola-Congo and Deep Water Gulf of Mexico and ExxonMobil's Production subsidiary, XTO Energy in east Texas. She became the Senior Petroleum Geologist at the Idaho Geological Survey in 2015. Her work focuses on assessing the petroleum plays in Idaho and educational outreach to the public.

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	Name	Organization	Email	Signature
1	Allan Wylie	IDWR	allan.wylie@idwr.idaho.gov	Allan Wylie
2	Patrick Naylor	Naylor Engineering	patrick@naylorengsci.com	Patrick Naylor
3	Jim Bretoun	USGS	jbretoun@usgs.gov	Jim Bretoun
4	Randi Walters	Boise State	randi.walters@boiseestate.edu	Randi Walters
5	Virginia Gillmor	ICTS	vgillmor@idaho.gov	Virginia Gillmor
6	Devin Stoker	CH2M	devin.stoker@ch2m.com	Devin Stoker
7	Kati Carberry	IDEG	Kati.Carberry@dep.idaho.gov	Kati Carberry
8	Lauren Perreault	USGS	lperreault@usgs.gov	Lauren Perreault
9	Steve Hannula	MWH	on file	Steve R. Hannula
10	Justin Hayes	ICL	jhayes@idahoconservation.org	Justin Hayes
11	Austin Hopkins	ICL	ahopkins@idahoconservation.org	Austin Hopkins
12	Phil Bandy	Forestry Assoc.	PBANDY@forsgren.com	Phil Bandy

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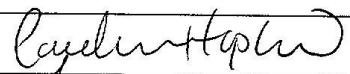
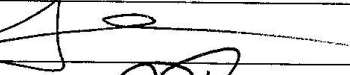


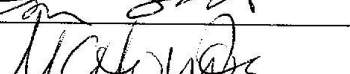
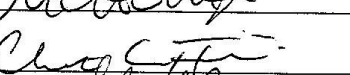
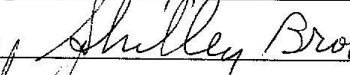
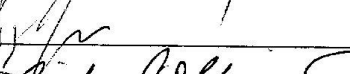
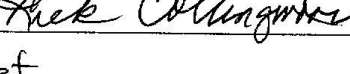



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	Name	Organization	Email	Signature
26	Candice Hopkins	USGS	chopkins@usgs.gov	
27	Tina Elays	DBCF	tina.elays@deg.idaho.gov	
28	John Ballard	HPO	JOHNZBALLARD@gmail.com	
29	Danle Merriman	IDEG	danle.merriman@deg.idaho.gov	
30	Lon Stewart	SELF	in file	
31	Mike Hanza	Stream Line Design	file	
32	Marue Griffin	USACE		
33	Shelley Brock	CAIA	ushorsepoor@yahoo.com	
34	Ryan Carnie	GeoEngineers	rcarnie@geoengineers	
35	Rick Collingwood	EDWR	kimjol@cableone.net	
36	Peter Oberkudacka	Refined USGS	obercomm@cableone.net	
37	Pat Wickman	Foreign ASSOCIATES	PWickman@foreign.com	
38	MARC W. MCCORD	CAIA	DIRECTOR@FRACDALLAS.ORG	