

WORKSHOP  
ON  
STRUCTURAL GEOLOGY AND PETROLEUM POTENTIAL  
OF THE  
HANFORD RESERVATION AND CENTRAL COLUMBIA PLATEAU

Wednesday - Thursday  
October 28-29, 1987  
Richland, Washington

Co-sponsored by  
Confederated Tribes of the Umatilla Indian Reservation  
and  
Nez Perce Tribe of Idaho

TENTATIVE AGENDA

# STRUCTURAL GEOLOGY OF THE CENTRAL COLUMBIA PLATEAU

Steve Hart, CERT, Moderator

## WEDNESDAY MORNING, OCTOBER 28

8:30- 9:00	Registration (\$15.00 per participant)	
9:00- 9:15	Welcome by Sponsors	Bill Burke, CTUIR Ron Halfmoon, Nez Perce
9:15- 9:45	Regional Columbia Plateau Structure	Robert Bentley, Central Wash. SC
9:45-10:15	Pasco Basin Structure	Steve Reidel, Westinghouse
10:15-10:30	Break	
10:30-11:00	Pasco Basin Cross-section	Curtis Canard, CERT consultant
11:00-11:30	Toppenish Ridge Faulting	Newell Campbell, Yakima Valley SC
11:30-12:00	Columbia Plateau Microseismicity	Alan Rohay, Westinghouse
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12:00- 1:00	Lunch - buffet provided	
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## WEDNESDAY AFTERNOON, OCTOBER 28

1:00- 1:15	Introduction to panel discussions	Steve Hart, CERT
1:15- 2:15	Panel Discussion: Are current structural models of central Plateau adequate?	Robert Bentley, Moderator Steve Reidel Bill Lingley, WA Div. Geol. Mike West, M. West & Assoc
2:15- 2:30	Break	
2:30- 3:30	Panel Discussion: Are major seismic events possible in the central Plateau in next 100 years?	Dave Dahlem, DOE, Moderator Clarence Allen, Cal Tech Stephen Malone, U of Wash Alan Rohay, Westinghouse
3:30- 4:30	Group Discussion: What specific research in neotectonics of Plateau is needed?	Ron Halfmoon, Moderator Panel of speakers Audience

# PETROLEUM POTENTIAL OF THE CENTRAL COLUMBIA PLATEAU

John Bond, Geoscience Research, Moderator

## THURSDAY MORNING, OCTOBER 29

8:30- 8:45	Introduction	John Bond
8:45- 9:15	Historic Production in Central Plateau	Bob Kemp, AMOCO
9:15- 9:45	Methane Production in Hanford Wells	Mike Thompson, DOE
9:45-10:15	Oil & Gas Exploration in Central Plateau	Richard Bowen, NW Oil Report
10:15-10:30	Break	
10:30-11:00	Hanford Models and Drilling Plans	Robert Deacon, Westinghouse
11:00-11:30	WA Geophysical Study in Central Plateau	Bill Brewer, WA Dept of Ecology
11:30-12:00	Tribal Methane Study	Curtis Canard

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12:00- 1:00            Lunch - buffet provided

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## THURSDAY AFTERNOON, OCTOBER 29

1:00- 1:15	Introduction to panel discussions	John Bond
1:15- 2:15	Panel Discussion: Is the central Plateau the next "Overthrust Belt"?	Newell Campbell, Moderator Robert Deacon Richard Couch, Oregon SU Bill Brewer
2:15- 2:30	Break	
2:30- 3:30	Panel Discussion: Could economic oil & gas resources be located at Hanford?	Bill Lingley, Moderator Robert Deacon Curtis Canard Rufus Catching, USGS
3:30- 4:30	Panel Discussion: What specific research is needed to determine oil and gas potential of central Plateau?	Bill Burke, Moderator Panel of speakers Audience

FOLLOWING TRIP NOT PLANNED AT PRESENT TIME, BUT COULD BE ADDED IF  
DEMAND IS SUFFICIENT:

TUESDAY, OCTOBER 22

FIELD TRIP -- GABLE MOUNTAIN AND RATTLESNAKE RIDGE  
Curtis Canard, Trip Leader

8:00- 8:30 Registration--lobby of Federal Bldg.  
(\$5.00, box lunch included)

8:30- 9:15 Bus travel to Gable Mountain

9:15-11:00 STOP #1--Gable Mountain Steve Reidel  
Tour of Near Surface Test  
Facility and fault scarp

11:00-12:00 STOP #2--Drill rig Dave Dahlem  
Site of first  
exploratory shaft

12:00- 1:00 Lunch, box lunch provided

1:00- 2:30 STOP #3--Umtanum Ridge Bill Brewer  
Discussion of Hanford  
area structures

2:30- 4:00 STOP #4--Rattlesnake Curtis Canard  
Hills, Site of geologic  
structures related to  
old gas field

4:00- 4:30 Return to Federal Bldg.

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