

# **CREWES NEWS**

The Consortium for Research in Elastic Wave Exploration Seismology

---

## **Call for 3-C Seismic Survey Location - Reservoir Imaging and Near-surface Analysis**

CREWES is planning a field experiment for the fall of 1997. Current plans include two simultaneous 3-C surveys over the same target utilizing two different sets of recording and source parameters:

- 1) Conventional explosive sources with regular spacing of 3-C geophones (10-20m).
- 2) High resolution shallow survey parameters - small, closely spaced explosive sources and 3-C receivers at 1-2m spacing.

Additional 3-C receivers will be placed downhole at varying depths along the extent of the shallow survey line.

### Scientific goals:

- Generate P-P and P-S images of the reservoir.
- Investigate the shallow loss of P and S waves.
- Source testing: small, shallow and deeper, larger explosives as well as downhole sources.

### Acquisition layout:

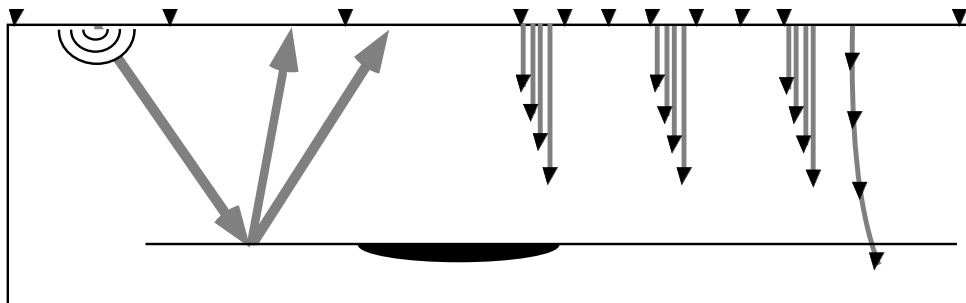
- A surface 3-C line and a line of closely spaced 3-C phones plus several shallow (100m) and deeper boreholes instrumented with 3-C phones will be simultaneously recorded from surface sources.

### Possible targets:

- Glauconite sand channels, Devonian carbonates, heavy oil sands.

All CREWES sponsors will have access to data and receive full reports. We will also be looking for other outside industrial support.

**We are currently seeking recommendations for the location of this survey** - for further information please phone the CREWES Project at (403)-220-8279 or email: [crewes@geo.ucalgary.ca](mailto:crewes@geo.ucalgary.ca)



---

## NSERC Award

CREWES has won a Natural Sciences and Engineering Research Council of Canada (NSERC) Honorable Mention award in the 1997 University-Industry Awards program. We receive a substantial portion of our funding from NSERC, and are very pleased with their recognition of our work. NSERC is holding a University-Industry Symposium and Awards Ceremony from October 23-24, 1997 in Richmond, British Columbia.

We would like to thank Thomas Brzustowski, President of NSERC, and James Nininger, President and CEO, the Conference Board of Canada, for their support and recognition.

---

## New Staff Member - Brian Hoffe

CREWES continues to grow! We would like to welcome Brian Hoffe aboard as our latest staff member.

Brian has a joint honours degree in Geology and Geophysics from Memorial University of Newfoundland in 1985, and a M.Sc. in Geophysics (1996). For the last 10 years, Brian worked at Memorial University on a wide range of reflection seismology, from high resolution 2-D to deep-crustal. His research areas included imaging, high resolution seismic in mining environments, and acquisition and processing of marine data from western Newfoundland. Recently, Brian was assistant project manager of the CIDA/Botswana project which involved the Center for Earth Resources Research at Memorial University and the Department of the Geological Survey of Botswana. We look forward to doing some good work together with Brian.



### Making contact....

**The CREWES Project**

Dept. of Geology & Geophysics  
University of Calgary  
2500 University Dr. N.W.  
Calgary, Alberta  
T2N 1N4 CANADA

**Phone:** (403) 220-8279

**Fax:** (403) 284-0074

**Email:** [crewes@geo.ucalgary.ca](mailto:crewes@geo.ucalgary.ca)

**World Wide Web:**

[www.crewes.ucalgary.ca](http://www.crewes.ucalgary.ca)

**Directors:**

Dr. Robert Stewart: 220-3265

Dr. Don Lawton: 220-5718

Dr. Gary Margrave: 220-4606

**Administrative Manager:**

Louise Forgues: 220-8279

**Editor:** Darren Foltinek

**Research Staff:**

Dr. John Bancroft: 220-5026

Malcolm Bertram: 220-3267

Henry Bland: 220-8461

Darren Foltinek: 220-6137

Eric Gallant: 220-3259

Colin Potter: 220-8012

Vladan Simin: 220-4292

**Graduate Students:**

Jill Belisle: 220-3271

Wai-Kin Chan: 220-8093

Dan Cieslewicz: 220-3269

Ken Fang: 220-8093

Robert Ferguson: 220-3271

Jitendra Gulati: 220-5134

Xinxiang Li: 220-6749

Michael Mazur: 220-6801

Carlos Rodriguez: 220-6801

Alana Schoepp: 220-3083

Chanpen Silawongsawat: 220-3083

Zandong Sun: 220-6444

Todor Todorov: 220-6801

Dan Vetrici: 220-3269

Shaowu Wang: 220-5027

Hans Westbroek: 220-6596

Grace Yang: 220-8969

Yong Xu: 220-5134