

**WCSS  
OIL SPILL CO-OPERATIVE  
TRAINING EXERCISE REPORT**

Oil Spill Co-Operative: **G**

Oil Spill Co-Op Chairman: Trent Myck

Exercise Date: February 17, 2010

Type of Exercise: Winter

Location of Exercise: Zeda Lake, Alberta

LSD/Sec/Twp/Rge/Mer: 12-29-48-12 W5M

Area Control Point: none

Host Company:

On Scene Commander: Trent Myck

**EXERCISE OBJECTIVES**

The objectives of the exercise were to: (check applicable ones)

		Objectives Met	
		Yes	No
1	Supply theoretical training (classroom)		<b>x</b>
2	Evaluate deployment methods (hands-on training)	<b>x</b>	
3	Evaluate safety procedures	<b>x</b>	
4	Evaluate boat handling and operations	<b>x</b>	
5	Evaluate response capabilities	<b>x</b>	
6	Evaluate communications	<b>x</b>	
7	Evaluate Control Point		<b>x</b>
8	Evaluate Co-op equipment - Dryland exercise	<b>x</b>	
9	Evaluate WCSS equipment	<b>x</b>	
10	Evaluate new equipment	<b>x</b>	
11	Other		

***Petroleum Industry's Commitment to Spill Preparedness and Environmental Protection***

1538 25 Avenue NE  
Calgary, AB T2E 8Y3  
Phone (403) 250-9606 Fax (403) 291-9408

Mailing Address  
Box 503, 3545 – 32 Avenue NE  
Calgary, AB T1Y 6M6

**EXERCISE REPORT - CHRONOLOGICAL**

<b>Time</b>	<b>Event and Description</b>	<b>Problems</b>
8:30-9:00	Exercise Registration	Generator made dry land training hard to hear
9:00-10:00	Dryland Training	
10:00-11:30	Winter Exercise	
11:30-12:00	Lunch	
12:00-12:30		
12:30-1:00	Debriefing and Clean up	



***Petroleum Industry's Commitment to Spill Preparedness and Environmental Protection***

1538 25 Avenue NE  
Calgary, AB T2E 8Y3  
Phone (403) 250-9606 Fax (403) 291-9408

Mailing Address  
Box 503, 3545 – 32 Avenue NE  
Calgary, AB T1Y 6M6

**CONTAINMENT AND RECOVERY**

N/A

**CLASSROOM SESSION**

N/A



---

***Petroleum Industry's Commitment to Spill Preparedness and Environmental Protection***

1538 25 Avenue NE  
Calgary, AB T2E 8Y3  
Phone (403) 250-9606 Fax (403) 291-9408

Mailing Address  
Box 503, 3545 – 32 Avenue NE  
Calgary, AB T1Y 6M6

[www.wcss.ab.ca](http://www.wcss.ab.ca)

**SAFETY**

WCSS Oil Spill Cooperative Exercise Hazard Assessment

1. Equipment

Task/Activity

- |   |  |   |
|---|--|---|
| <input checked="" type="checkbox"/> Parking | <input checked="" type="checkbox"/> Equipment Spotting           | <input checked="" type="checkbox"/> Loading/Unloading |
| <input checked="" type="checkbox"/> Staging | <input checked="" type="checkbox"/> Dryland Equipment Deployment | <input type="checkbox"/> Helicopter Use               |
| <input type="checkbox"/> Other _____        |  |   |

Hazard (high)

- |  |  |  |
|--|--|--|
| <input checked="" type="checkbox"/> Personnel Injuries | <input checked="" type="checkbox"/> Health Issue | <input checked="" type="checkbox"/> Equipment Damage |
| <input type="checkbox"/> Other _____                   |  |  |

Mitigation/Safety Controls

- |  |   |  |
|--|---|--|
| <input type="checkbox"/> Health Screening                                  | <input checked="" type="checkbox"/> Health Restrictions   | <input checked="" type="checkbox"/> Equipment Orientation  |
| <input checked="" type="checkbox"/> Safety Meeting                         | <input checked="" type="checkbox"/> PPE                   | <input checked="" type="checkbox"/> Crew Member Assignment |
| <input checked="" type="checkbox"/> Track Attendees                        | <input type="checkbox"/> Warning Signs                    | <input checked="" type="checkbox"/> Barriers               |
| <input checked="" type="checkbox"/> Identify Restricted Areas              | <input checked="" type="checkbox"/> Identify Work Zones   | <input checked="" type="checkbox"/> Buddy System           |
| <input checked="" type="checkbox"/> Emergency Signal                       | <input checked="" type="checkbox"/> Muster Station        | <input checked="" type="checkbox"/> First Aid              |
| <input checked="" type="checkbox"/> EMS                                    | <input checked="" type="checkbox"/> Communications Plan   | <input checked="" type="checkbox"/> Weather Tracking       |
| <input checked="" type="checkbox"/> Weather Restrictions                   | <input checked="" type="checkbox"/> Warming Tent/Facility | <input checked="" type="checkbox"/> Sanitation             |
| <input checked="" type="checkbox"/> Water/Food                             | <input type="checkbox"/> Wildlife Identification          | <input type="checkbox"/> Wildlife Strategy                 |
| <input checked="" type="checkbox"/> Identify Equipment Deployment Strategy |   |  |
| <input type="checkbox"/> Other _____                                       |   |  |

-pinch points and tripping hazards-ice/slippery conditions

2. Working Along Shoreline N/A

Task/Activity

- |  |   |  |
|--|---|--|
| <input type="checkbox"/> Transporting Equipment Hazard (medium/high) | <input type="checkbox"/> Loading Boats    | <input type="checkbox"/> Deploying Equipment |
| <input type="checkbox"/> Personnel Injuries                          | <input type="checkbox"/> Equipment Damage | <input type="checkbox"/> Utilities Hit       |
| <input type="checkbox"/> Other _____                                 |   |  |

Mitigation/Safety Controls

- |   |  |   |
|---|--|---|
| <input type="checkbox"/> Health Screening                       | <input type="checkbox"/> Health Restrictions             | <input type="checkbox"/> Equipment Orientation  |
| <input type="checkbox"/> Safety Meeting                         | <input type="checkbox"/> PPE                             | <input type="checkbox"/> Crew Member Assignment |
| <input type="checkbox"/> Track Attendees                        | <input type="checkbox"/> Warning Signs                   | <input type="checkbox"/> Barriers               |
| <input type="checkbox"/> Identify Restricted Areas              | <input type="checkbox"/> Identify Work Zones             | <input type="checkbox"/> Buddy System           |
| <input type="checkbox"/> Emergency Signal                       | <input type="checkbox"/> Muster Station                  | <input type="checkbox"/> First Aid              |
| <input type="checkbox"/> EMS                                    | <input type="checkbox"/> Communications Plan             | <input type="checkbox"/> Weather Tracking       |
| <input type="checkbox"/> Weather Restrictions                   | <input type="checkbox"/> Warming Tent/Facility           | <input type="checkbox"/> Sanitation             |
| <input type="checkbox"/> Water/Food                             | <input type="checkbox"/> Wildlife Identification         | <input type="checkbox"/> Wildlife Strategy      |
| <input type="checkbox"/> Safety Boat                            | <input type="checkbox"/> Shoreline Safety Station        | <input type="checkbox"/> Crew Briefing          |
| <input type="checkbox"/> Identify Equipment Deployment Strategy | <input type="checkbox"/> Identify Underground Facilities |   |
| <input type="checkbox"/> Waist Belt on Chest Waders             | <input type="checkbox"/> Other _____                     |   |

**Petroleum Industry's Commitment to Spill Preparedness and Environmental Protection**

1538 25 Avenue NE  
Calgary, AB T2E 8Y3  
Phone (403) 250-9606 Fax (403) 291-9408

Mailing Address  
Box 503, 3545 – 32 Avenue NE  
Calgary, AB T1Y 6M6

3. Boat Operation N/A

Task/Activity		
<input type="checkbox"/> Equipment Loading	<input type="checkbox"/> Launching	<input type="checkbox"/> Operating
<input type="checkbox"/> Private Vessels	<input type="checkbox"/> Other _____	
Hazard (high)		
<input type="checkbox"/> Personnel Injuries	<input type="checkbox"/> Public Injuries	<input type="checkbox"/> Equipment Damage
Mitigation/Safety Controls		
<input type="checkbox"/> Health Screening	<input type="checkbox"/> Health Restrictions	<input type="checkbox"/> Equipment Orientation
<input type="checkbox"/> Safety Meeting	<input type="checkbox"/> PPE	<input type="checkbox"/> Crew Member Assignment
<input type="checkbox"/> Track Attendees	<input type="checkbox"/> Warning Signs	<input type="checkbox"/> Barriers
<input type="checkbox"/> Identify Restricted Areas	<input type="checkbox"/> Identify Work Zones	<input type="checkbox"/> Buddy System
<input type="checkbox"/> Emergency Signal	<input type="checkbox"/> Muster Station	<input type="checkbox"/> First Aid
<input type="checkbox"/> EMS	<input type="checkbox"/> Communications Plan	<input type="checkbox"/> Weather Tracking
<input type="checkbox"/> Weather Restrictions	<input type="checkbox"/> Warming Tent/Facility	<input type="checkbox"/> Sanitation
<input type="checkbox"/> Water/Food	<input type="checkbox"/> Wildlife Identification	<input type="checkbox"/> Wildlife Strategy
<input type="checkbox"/> Operator Certification	<input type="checkbox"/> PFD	<input type="checkbox"/> Crew Briefings
<input type="checkbox"/> Equipment Service Checks	<input type="checkbox"/> Identify Roles	<input type="checkbox"/> Identify Traffic Patterns
<input type="checkbox"/> Set Distances for Operations	<input type="checkbox"/> Safety Boat	<input type="checkbox"/> Up & Downstream Bouys
<input type="checkbox"/> Up & Downstream Signage	<input type="checkbox"/> Identify Equipment Deployment Strategy	
<input type="checkbox"/> Other _____		

**Petroleum Industry's Commitment to Spill Preparedness and Environmental Protection**

1538 25 Avenue NE  
Calgary, AB T2E 8Y3  
Phone (403) 250-9606 Fax (403) 291-9408

Mailing Address  
Box 503, 3545 – 32 Avenue NE  
Calgary, AB T1Y 6M6

**DEBRIEFING**

**Auxiliary Services:**

Were auxiliary services such as parking, registration, meals, toilets, etc. sufficient?      Yes      **x**      No

Comments:    Gen set could be set farther away from dry land exercise so people can hear better

---

**Pre-Planning Organization:**

Was pre-planning organization adequate?      Yes      **x**      No

Comments:

---

**Crew Organization:**

Were manpower requirements sufficient for this exercise?      Yes      **x**      No

Comments:    Utilized initial response team members

---

Were communications within the working groups efficient and effective?      Yes      **x**      No

Comments:

---

**Equipment:**

Was the equipment effective for this type of deployment exercise?      Yes      **x**      No

Comments:

---

Was the equipment deployment technique effective for this site?      Yes      **x**      No

Comments:

---

**Training Coordinator Evaluation:**

Did the Training Coordinator do an adequate job?      Yes      **x**      No

Comments:

---

***Petroleum Industry's Commitment to Spill Preparedness and Environmental Protection***

**Spill Medium:**

What Spill Medium was used for the exercise? Yes **N/A x** No

What percentage of spill medium was recovered at the site? \_\_\_\_\_

**Control Point Evaluation:**

Is this an effective control point? Yes **N/A x** No

Recommendations: \_\_\_\_\_

**RECOMMENDATIONS - CO-OP EQUIPMENT:**

Equipment Used:

All PFDs were not labelled

Comments:

Equipment Deficiencies

Follow-Up (Identify Responsibilities)

Equipment Deficiencies	Follow-Up (Identify Responsibilities)

**RECOMMENDATIONS - WCSS EQUIPMENT:**

Equipment Used: The ditch witch worked very effectively for 14-20" of ice

Comments: Would be nice for the whole initial response team to listen to training coordinator's dry land training rather than deploy equipment during presentation

Equipment Deficiencies

Follow-Up (Identify Responsibilities)

Equipment Deficiencies	Follow-Up (Identify Responsibilities)
All PFDs were not labelled	

***Petroleum Industry's Commitment to Spill Preparedness and Environmental Protection***

**Debriefing Suggestions:**

---

---

---

<b>ATTENDANCE:</b>	111	Participants representing:
	74	Member Companies
	14	Assoc. Member Companies
	<u>54.41</u> %	of Membership

---

***Petroleum Industry's Commitment to Spill Preparedness and Environmental Protection***

1538 25 Avenue NE  
Calgary, AB T2E 8Y3  
Phone (403) 250-9606 Fax (403) 291-9408

Mailing Address  
Box 503, 3545 – 32 Avenue NE  
Calgary, AB T1Y 6M6

**MEMBER COMPANIES IN ATTENDANCE (AB – LICENSEE, SK – OPERATOR, BC – OPERATOR):**

97637 Resources Ltd.	BP Canada Energy Company
Adanac Oil & Gas Limited	Canadian Natural Resources Limited
Advantage Oil & Gas Ltd.	CNPC International (Canada) Ltd.
Amarone Oil & Gas Ltd.	Compton Petroleum Corporation
Anderson Energy*	Conoco Phillips Canada (BRC) Ltd.
Anterra Energy Inc.	Crew Energy Inc.
Apache Canada Ltd.	Crocotta Energy Inc.*
Arc Resources Ltd.	Daylight Energy Ltd.
Arsenal Energy Inc.	Derrick Petroleum Ltd.
Avenir Operating Corp.	Detector Exploration*
Baccalieu Energy Inc.	Devon Canada Corporation
Base Resources Inc.	Eclipse Resources Ltd.
Baytex Energy Ltd.	Emerald Bay Energy Inc.*
Beatton Energy Inc.	ENG-LAND Energy Ltd.
Bellatrix Exploration Ltd.	EnerMark Inc.
Blaze Energy Ltd.	Enerplus Oil & Gas Ltd.
BNRG*	Enerplus Resources Corporation
Bonavista Petroleum Ltd.	EOG Resources Canada Inc.
Bonterra Energy Corp.	Evolve Exploration Ltd.*
	PanWestern Energy Inc.

***Petroleum Industry's Commitment to Spill Preparedness and Environmental Protection***

1538 25 Avenue NE  
 Calgary, AB T2E 8Y3  
 Phone (403) 250-9606 Fax (403) 291-9408

Mailing Address  
 Box 503, 3545 – 32 Avenue NE  
 Calgary, AB T1Y 6M6

Fairborne Energy Ltd.	Path Resources Ltd.
Gamet Resources*	Pearson Resources Ltd.
Harvest Operations Corp.	Pempine Pipeline Corporation
Husky Oil Operations Ltd.	Penn West Energy Trust
Imperial Oil Resources Ltd.	PetroGlobe Inc.
Jayhawk Resources Ltd.	Profound Energy Inc.
Keyera Energy Ltd.	Ravenwood Energy Corp.
Kinmerc Oil & Gas Inc.	Redwater Energy*
KMD Resources Ltd.	Regent Resources Ltd.
Land Petroleum International Inc.	Result Energy*
Leddy Exploration Limited	Ripper Oil and Gas Inc.
Lewcam*	Rondo Petroleum Inc.
Mancal Energy Inc.	Shanpet Resources Ltd.
Maverick Oil & Gas Ltd.	Sifton Energy Inc.
MEC Operating Company ULC	Signalta Resources Ltd.
MOGL Corp.*	Skylight Energy Resources Ltd.
NAL Resources Limited	Spry Energy Ltd.
Newalta Corporation	Spur Energy Corp.
NuVista Energy Ltd.	Standard Energy Inc.*
Open Range Energy Corp.	Stetson Oil & Gas Ltd.*
Owl River Resources Ltd.	Sword Energy Inc.

***Petroleum Industry's Commitment to Spill Preparedness and Environmental Protection***

1538 25 Avenue NE  
Calgary, AB T2E 8Y3  
Phone (403) 250-9606 Fax (403) 291-9408

Mailing Address  
Box 503, 3545 – 32 Avenue NE  
Calgary, AB T1Y 6M6

Twin Butte Energy Ltd.	
Vermilion Resources Ltd.	
TAQA North Ltd.	
West Energy Ltd.	
West Isle Energy*	
Zapata Energy Corporation	
Zargon Oil & Gas Ltd.	



---

***Petroleum Industry's Commitment to Spill Preparedness and Environmental Protection***

1538 25 Avenue NE  
Calgary, AB T2E 8Y3  
Phone (403) 250-9606 Fax (403) 291-9408

Mailing Address  
Box 503, 3545 – 32 Avenue NE  
Calgary, AB T1Y 6M6

**MEMBER COMPANIES IN ATTENDANCE (AB – LICENSEE, SK – OPERATOR, BC – OPERATOR):**

1476697 Alberta Ltd.	Insignia Energy Ltd.
385417 Alberta Ltd.	ISH Energy Ltd.
Apex Energy (Canada) Inc.	Joli Fou Petroleums Ltd.
Benjaka Exploration Inc.	Longford Energy Inc.
Berens Energy Ltd.	Marksman Resources Ltd.
Bredal Energy Corp.	Mosaic Energy Ltd.
Bumper Development Corporation Ltd.	Mount Dakota Energy Corp.
Caltex Energy Inc.	Murelle Enterprises Inc.
Canadian Forest Oil Ltd.	New Century Petroleum Corporation
Cangild Resources Ltd.	New North Resources Ltd.
CCS Corporation	Nexen Inc.
Celtic Exploration Ltd.	Nordegg Resources Inc.
Crazy Hill Resources Ltd.	OMERS Energy Inc.
Cruiser Oil & Gas Ltd.	Onyx 2006 Inc.
Dantel Resources Ltd.	PanTerra Resources Corp.
Delphi Energy Corp.	PanWestern Energy Inc.
Direct Energy Marketing Limited	Petenco Resources Ltd.
Drilcorp Energy Ltd.	Petro Buyers Inc.
EMM Energy Inc.	Peyto Exploration & Development Corp.
Exoro Energy Inc.	Postnikoff Oilfield Services Inc.
Huegler Holdings Ltd.	Progress Energy Ltd.
Provident Acquisitions Inc.	Quatro Resources Inc.

***Petroleum Industry's Commitment to Spill Preparedness and Environmental Protection***

1538 25 Avenue NE  
Calgary, AB T2E 8Y3  
Phone (403) 250-9606 Fax (403) 291-9408

Mailing Address  
Box 503, 3545 – 32 Avenue NE  
Calgary, AB T1Y 6M6

Redcliffe Exploration Inc.	
Revolution Resources Ltd.	
Rockbridge Energy Alberta Inc.	
Roland Resources (87) Inc.	
Sabre Energy Ltd.	
Saffron Energy Ltd.	
Scollard Energy Inc.	
Senlac Oil Ltd.	
Spartan Exploration Ltd.	
Stonewater Resources Inc.	
Sure Energy Inc.	
Talisman Energy Inc.	
Temple Energy Inc.	
Triaxon Energy Inc.	
Trilight Energy Inc.	
Trilogy Blue Mountain Ltd.	
Vero Energy Inc.	
Westfire Energy Ltd.	

***Petroleum Industry's Commitment to Spill Preparedness and Environmental Protection***

1538 25 Avenue NE  
 Calgary, AB T2E 8Y3  
 Phone (403) 250-9606 Fax (403) 291-9408

Mailing Address  
 Box 503, 3545 – 32 Avenue NE  
 Calgary, AB T1Y 6M6