

**ENVIRONMENTAL IMPACT SCREENING COMMITTEE**INDIAN AND NORTHERN
AFFAIRS - CANADA
N.W.T. REGION

OCT 27 2000

WATER RESOURCES
DIVISION
YELLOWKNIFE, NT**FACSIMILE TRANSMISSION COVER SHEET**

DATE OF TRANSMISSION:

October 26, 2000

MESSAGE TO:

Mr. John Kerkhoven, Petro-Canada Oil and GasMr. Terry Baker, National Energy BoardMr. Sevn Bohnet, N.W.T. Water BoardMr. Rudy Cockney, Indian and Northern Affairs Canada

TOTAL NUMBER OF PAGES

6

OPERATOR:

Brigitte Wolki

MESSAGE FROM:

**LINDA GRAF
RESOURCE PERSON
ENVIRONMENTAL IMPACT SCREENING COMMITTEE**

E-MAIL ADDRESS:

eisceirb@jointsec.nt.ca

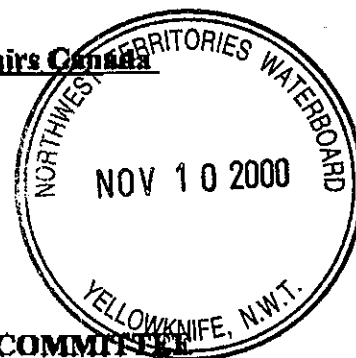
ORIGINALS:

Mailed to John Kerkhoven, copies to Carol Arey, Richard Binder,
Frank Pokiak and Duane Smith.

MESSAGE:

Petro Canada, Mackenzie Delta Winter 2000/2001 Drilling ProgramPlease contact the Joint Secretariat if the transmission is not complete.

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File -	<u>1762</u>



**ENVIRONMENTAL IMPACT SCREENING COMMITTEE**

26 October 2000

Submission Number: 08/00-02

Mr. John Kerkhoven
Surface Land Supervisor
Petro-Canada Oil and Gas
150 - 6th Avenue S.W.
Calgary AB T2P 3E3

Dear Mr. Kerkhoven:

RE: Petro-Canada Mackenzie Delta Winter 2000/2001 Drilling Program

During a meeting held 16 - 18 October 2000, the Environmental Impact Screening Committee (EISC) screened the above-noted project description. Based on the information provided, the EISC decided that the development will have no significant negative impact on the environment or Inuvialuit wildlife harvesting in the Inuvialuit Settlement Region [IFA Section 11.(13)(a)]. A copy of the decision has been attached.

Subject to a final decision by the licensing or permitting authority, the issuance of appropriate permits and approvals may proceed.

In rendering its decision, the EISC made the following observations:

- The project description contains a number of errors and inconsistencies, some of which were discussed following Petro-Canada's presentation to the EISC. Others are noted in a letter submitted by the Inuvialuit Game Council, dated 17 October 2000, which the EISC notes has been copied to Petro-Canada.

While the EISC decided that the development will have no significant negative impact, dissemination of the erroneous background information contained within the project description by virtue of its wide circulation and placement in the public record is of concern. The EISC cautions Petro-Canada to take greater care in the preparation of future submissions.

- Section 6 of the EISC's *Operating Guidelines and Procedures* requires a discussion of the potential cumulative effects of developments. The EISC recognizes that a full-scale, quantitative analysis of cumulative effects is reserved for projects at the environmental

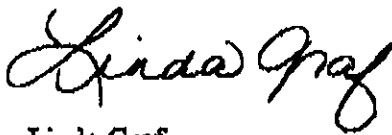
review stage. However, it does expect a qualitative discussion of the cumulative effects of known projects in the development area. The cursory treatment of cumulative effects presented on page 18 of the project description was of little assistance to the EISC when it considered the cumulative effects of Petro-Canada's project in relation to other known projects.

- The EISC requires proponents to report on substantive consultation with the communities and other groups of interest. The information reported in Table 12, page 47, is not in keeping with the intent of that requirement and is, in some respects, misleading.
- The EISC concurs with general comments regarding the development that are noted in a letter, dated 17 October 2000, sent to both the EISC and the proponent by the Inuvialuit Game Council.

The EISC is forwarding comments submitted by the Environmental Protection Branch, dated 29 September 2000, to Petro-Canada for its consideration.

Please contact me if you have any questions.

Sincerely,



Linda Graf
Secretary

cc: Ms. Carol Arey, Aklavik Hunters and Trappers Committee
Mr. Terry Baker, National Energy Board
Mr. Richard Binder, Inuvik Hunters and Trappers Committee
Mr. Sevn Bohmet, N.W.T. Water Board, Yellowknife
Mr. Rudy Cockney, Indian Affairs and Northern Development, Inuvik
Mr. Frank Pokiak, Tuktoyaktuk Hunters and Trappers Committee
Mr. Duane Smith, Chair, Inuvialuit Game Council

Encl. (2) EISC Decision
Letter from Environmental Protection Branch, dated 29 September 2000



ENVIRONMENTAL IMPACT SCREENING COMMITTEE

SUBMISSION NUMBER: 08/00-02

NAME OF PROPONENT: Petro-Canada Oil and Gas, Mr. John Kerkhoven

PROJECT DESCRIPTION: *Mackenzie Delta Winter 2000/2001 Drilling Program*

DECISION OF THE SCREENING PANEL (circled):

1. The development will have no such significant negative impact and may proceed without further environmental impact assessment and review under the Inuvialuit Final Agreement. [IFA s. 11. (13) (a)]
2. The development could have significant negative environmental impact and is subject to assessment and review under the Inuvialuit Final Agreement. [IFA s. 11. (13) (b)]
3. The development proposal has deficiencies of a nature that warrant a termination of its consideration and the submission of another project description. [IFA s. 11. (13) (c)]

Signed on the 17 day of October, 2000.



William Klassen, Chair


Canada Member


Billy Day, Inuvialuit Member


Marsha Branigan, GNWT Member


Alex Kaglik, Inuvialuit Member


Chuck Hubert, YTG Member


Fred Wolki, Inuvialuit Member

Environmental Protection Branch
Suite 301 5204 50th Ave.
Yellowknife, Nt.
X1A 1E2

Sept 29. 2000

Linda Graf
Environmental Impact Screening Committee
P.O. Box 2120
Inuvik, NT
X0E 0T0

RE: Petro-Canada Mackenzie Delta Winter 2000/2001 Drilling Program

Environment Canada, has reviewed the project description that Petro-Canada submitted to the Environmental Impact Screening Committee. In general Environment Canada has identified no major concerns regarding this project. Recognizing that the actual drill location has not been selected, but will be one of the five identified the mitigation proposed for the project will be applicable for any of the sites identified.

There are a few specific comments that EC would like to outline for your consideration:

The drilling fluids proposed for this drilling project will have a high concentration of KCL, however the concentration in the sump at closure is predicted to be 2000ppm. Samples collected at closure should verify this, but should also verify levels of other possible contaminants as well (eg. hydrocarbons, metals etc.) In additions to this information and understanding of the freeze back within the sump, below the active zone, should be verified. EC recommends that the post closure monitoring plan should evaluate the freeze back of the drilling waste sump as well as the quality of any standing waters that may result during this freeze back.

The domestic water use at the drill camp is estimated to be 189liters/capita with a sewage treatment facility with a 10% contingency that will meet this output. EC questions whether this value reflect typical volumes associated with a drill camp.

The UV radiation treatment to the sewage effluent discharge should be able to provide much better results then Petro Canada's requested a fecal coliform limit of 1000 CFU/dL. Consideration of a lower fecal coliform value should be given, ie. 250 CFU/dL.

Camp wastes will be incinerated daily using a suitable container. The project should be using an approved incinerator for disposal of non hazardous camp waste. Special disposal procedures will be required for hazardous waste materials and these procedures should be outlined in the general contingency plan.

The 100 meter strip (buffer zone) of undisturbed ground between the well site boundary and the ordinary high water mark of any permanent water body or watercourse courses with the identified mitigation proposed for the project should ensure environmental protection of the aquatic resources.

The final status of the sight will depend on the results of the drilling program. Therefore the A&R should reflect this future status. A&R guidelines are identified, however due notice of what will be done for this drill project should be provided when the final status is known.

Future cumulative effects must be given fair consideration as there is a strong likelihood that more activity will be occurring in this area. (eg. seismic, other well sites, camps). To be able to understand cumulative effects, for this area, appropriate monitoring should be implemented so that the data will be available for future projects.

If you have any questions or concerns please contact me at (867) 669-4733 or e-mail stephen.harbicht@ec.gc.ca.

Sincerely

Stephen Harbicht
Head, Assessment and Monitoring
EPB, Yellowknife

cc.. Rudy Cookney District Manager DIAND Inuvik Fax # (867) 777-2090
Sevn Bohnet Water Resources DIAND, Yellowknife Fax# (867) 669-2716

National Energy
BoardOffice national
de l'énergie

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OUTGOING FACSIMILE - MESSAGE À EXPÉDIER

Message to/Destinataire :

Indian and Northern Affairs Canada, Land Use, Inuvik
Indian and Northern Affairs Canada, Water Resources, Yellowknife
Northwest Territories Water Board, Yellowknife
Environment Canada, Yellowknife fax:
Fisheries and Oceans Canada, Yellowknife
Environmental Impact Screening Committee, Inuvik
Petro-Canada Resources, Calgary
Inuvialuit Environmental Inc., Calgary

(Fax: 867-777-2090)

(Fax: 867-669-2716)

(Fax: 867-669-2719)

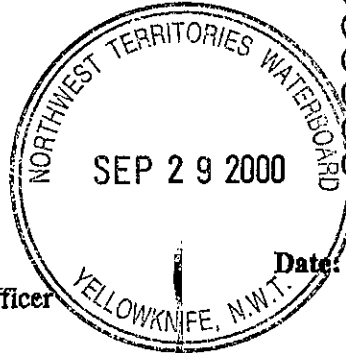
(Fax: 867-873-8185)

(Fax: 867-669-4941)

(Fax: 867-777-2610)

(Fax: 403-296-3030)

(Fax: 403-291-1150)



Message From: John Korec
Environmental Assessment Officer

Date: 29 September 2000

Number of pages (including cover page): 6

Remarks: Petro-Canada Resources Mackenzie Delta Kugpik and Kurk 2001 Seismic Program

Please refer to the attached letter and attachments.

Attachments: Federal Coordination Regulation Section 5 Letter
Project Area Map
Faxback Form

John Korec
(403) 299-2769

If you do not receive this message clearly please call 292-6614

444 Seventh Avenue SW
Calgary, Alberta T2P 0X8

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Telephone/Téléphone : (403) 292-4800
Facsimile/Télexcopieur : (403) 292-5876
<http://www.neb.gc.ca>

National Energy
BoardOffice national
de l'énergie

NEB: 9180-P728-145
WL: N7-1-1762
LUP:
EISC: 09/00-01

29 September 2000



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W. RES.	_____
File -	_____

Distribution List:

Indian and Northern Affairs Canada, Land Use, Inuvik fax: (867) 777-2090
Indian and Northern Affairs Canada, Water Resources, Yellowknife fax: (867) 669-2716
Northwest Territories Water Board, Yellowknife fax: (867) 669-2719
Environment Canada, Canadian Wildlife Service, Yellowknife fax: (867) 873-8185
Department of Fisheries and Oceans, Yellowknife fax: (867) 669-4941

Petro-Canada Mackenzie Delta Kugpik and Kurk Winter 2000/2001 Seismic Program

Petro-Canada has applied to the National Energy Board (the NEB) pursuant to paragraph 5(1)(b) of the *Canada Oil and Gas Operation Act* to conduct a seismic project in the Mackenzie River Delta region of the Northwest Territories. The project would contain two 3D seismic programs between 68°50' to 69°10' North and 135°00' to 135°35' West (see attached figure).

Preliminary Scope of the Project

The project consists of two 3D seismic programs of approximately 2930 km of lines within an area of approximately 440 km². Petro-Canada's program proposes 126 vibroseis source lines and 95 receiver lines. The lines will vary in length from 2.5 to 22 km and will be spaced at 300 m intervals. Vibroseis equipment would be mounted on tracked Nodwells. Dynamite is proposed in areas where waterbodies are too large to obtain data using the vibroseis stacking method. Schlumberger Oil Services (Schlumberger) has been contracted to manage the seismic operations on behalf of Petro-Canada.

The project is proposed on Petro-Canada's Exploration Licence EL 395. The Kurk 3D program, on the north side of EL 395 overlaps partially onto ELs 394 and 404. The Kugpik 3D program, on the south side of EL 395 overlaps partially onto EL 403 and abuts the west boundary of Inuvik Block 1. The project is located on Crown lands within the Inuvialuit Settlement Region (ISR). Seismic operations are scheduled to commence in January 2001 and are anticipated to be complete by late April 2001.

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Calgary, Alberta T2P 0X8

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-2-

This project would be located primarily in the Tuktoyaktuk Coastal Plain Ecoregion (Southern Arctic Ecozone) with the southeastern most portion of the Kugpik program in the Mackenzie Delta Ecoregion (Taiga Plains Ecozone). The area consists of upland and lowland delta environments within the Mackenzie River Delta. The topography is flat to gently rolling, with moderate to steep slopes adjacent to water bodies. Vegetation in the area is limited mainly to grasses, shrubs and willows up to 1.2 m in height. It is anticipated that minimal to no clearing will be required along the seismic lines.

CEAA Environmental Assessment

The NEB, as responsible authority under section 5 of the *Canadian Environmental Assessment Act* (CEAA) for the project has initiated an environmental assessment in accordance with the *Regulations Respecting the Coordination by Federal Authorities of Environmental Assessment Procedures and Requirements* (Federal Coordination Regulations) to meet its obligations under the CEAA.

Federal Coordination Regulation (CEAA) Section 5 Notification

Pursuant to section 5 of the *Federal Coordination Regulations*, the NEB requests that you review the application and/or the attached information and inform the NEB by 16 October 2000 of your determination pursuant to subsection 6(1) of the Federal Coordination Regulations. In its Project Description, Petro-Canada submits that the following authorizations may be required:

- Land Use Permit, Indian and Northern Affairs Canada, Inuvik;
- Approval on Project Description (Inuvialuit environmental screening), Environmental Impact Screening Committee, Inuvik;
- Geophysical Operations Authorization, NEB, Calgary;
- Water Licence, Northwest Territories Water Board, Yellowknife; and
- Bird Sanctuary Permit, Environment Canada, Canadian Wildlife Service.

If you determine that you are likely to require an environmental assessment of the project, please advise the NEB of any approvals or authorizations to be exercised by your department or agency. If you determine that you are in possession of any specialist or expert information or knowledge pursuant to paragraph 6(1)(c) of the *Federal Coordination Regulations*, please advise the NEB of the nature of that information or knowledge and the person to contact for assistance, by 16 October 2000. A faxback form has been attached for your convenience.

If no response is received from you by the aforementioned date, the NEB will assume that your department or agency has no responsibility to undertake an environmental assessment and is not in possession of specialist or expert information or knowledge.

Inuvialuit Screening Process

Petro-Canada has forwarded copies of the report entitled "*Project Description for the Proposed Petro-Canada Mackenzie Delta Kugpik and Kurk Seismic Program, September 2000*" to the following agencies:

444 Seventh Avenue SW
Calgary, Alberta T2P 0X8

444 Septième Avenue S.-O.
Calgary (Alberta) T2P 0X8

Canada

Telephone/Téléphone : (403) 292-4800
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<http://www.neb.gc.ca>

-3-

- Environmental Impact Screening Committee, Inuvik;
- Indian and Northern Affairs Canada, Inuvik; and
- Northwest Territories Water Board, Yellowknife.

This report describes the development details, environmental information, traditional land use and community consultations pertinent to this project. If you require a copy of this report please contact Petro-Canada (John Kerkhoven, (403) 296-6345).

The Environmental Impact Screening Committee (EISC) has initiated the environmental screening process pursuant to the Inuvialuit Final Agreement. As part of this process, the EISC will review the project description and solicit comments from the local Hunters and Trappers Committees and other interested groups. The proposal has been added to the agenda for the next EISC meeting scheduled for 16-18 October 2000. The EISC will determine if proposed activities could have a significant negative environmental impact on the Inuvialuit Settlement Region.

The NEB will consider the determination of the EISC in the CEAA screening process and will include any pertinent conclusions and/or recommendations resulting from the EISC screening process in the CEAA screening report.

The NEB asks that you provide the EISC and Petro-Canada with a copy of any response in respect of the above requests. If you have any questions or concerns, please call Tod Collard at (403) 299-2769. Responses may be sent by facsimile to (403) 292-5876. Thank you for your cooperation.

Yours truly,



for / T.M. Baker
Chief Conservation Officer

jek/tc/Attachments:
Project Area Map (1 page)
Faxback Form (1 page)

cc Environmental Impact Screening Committee, Inuvik fax: (867) 777-2610
Petro-Canada, Calgary fax: (403) 296-3032

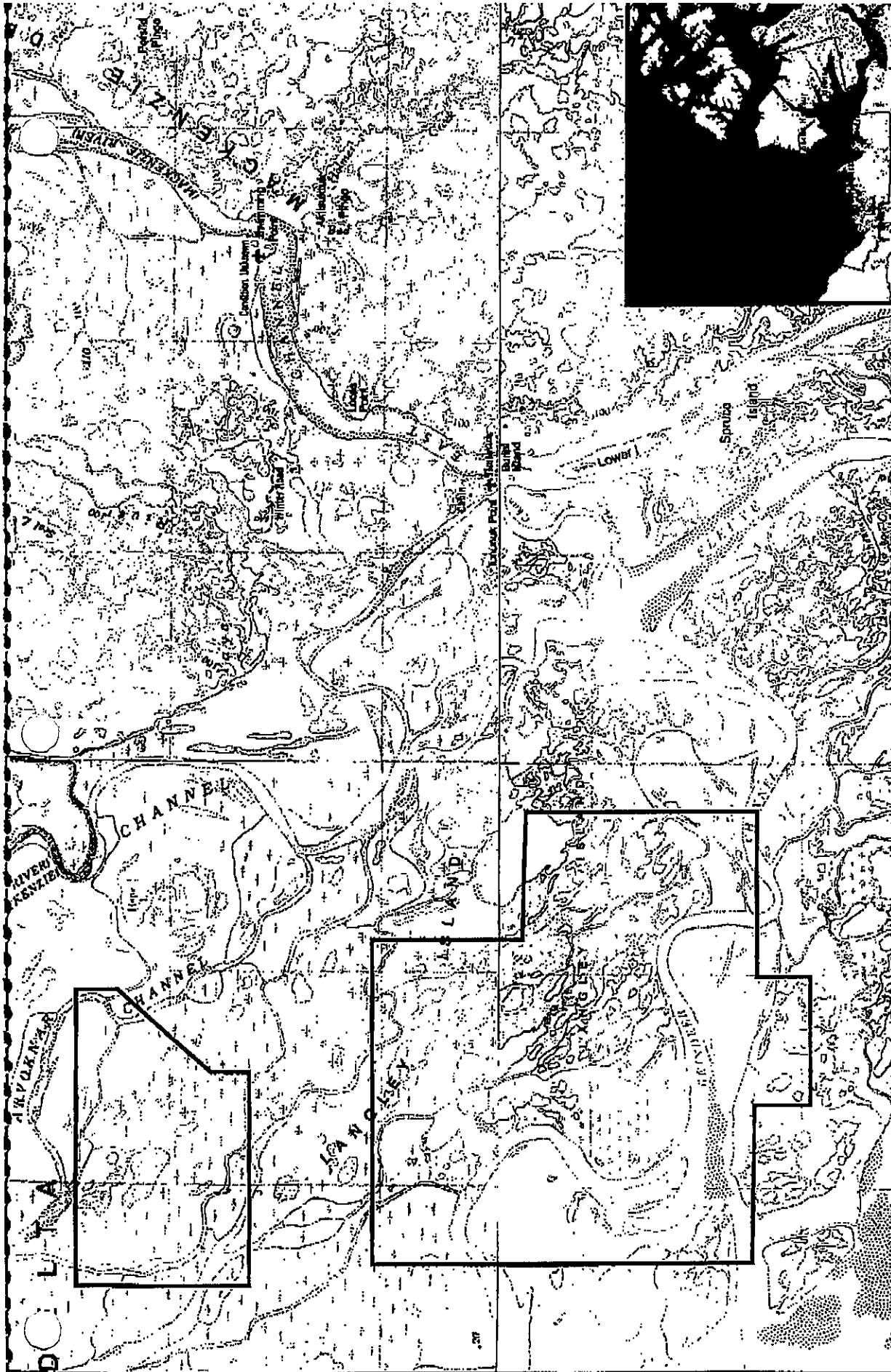
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Regional Location of Proposed Petro-Canada
Winter 2000/2001 Seismic Program

Scale: 1:250,000
0 km 2.5 km 5 km

September 2000

701-00

Figure 1



LEGEND

☐ Proposed Kuguk 3D
Seismic Location

☐ Proposed Kurk 3D
Seismic Location

National Energy Board / Office national de l'énergie**Canadian Environmental Assessment Act - Faxback Response for Section 5 Notification**

Re: Petro-Canada Mackenzie Delta Kuglik and
Kurk Winter 2000/2001 Seismic Programs
NEB File: 9180-P728-145

FAX BACK TO: T.M. Baker
Chief Conservation Officer
National Energy Board
FAX No: (403) 292-5876

Pursuant to the *Regulations Respecting the Coordination by Federal Authorities of Environmental Assessment Procedures and Requirements* (Regulations), please indicate to the National Energy Board (the NEB) by 16 October 2000 whether your Department/Agency (please check off the appropriate box):

- a) has, or anticipates identifying, a responsibility under Section 5 of the *Canadian Environmental Assessment Act* (CEAA) to assess the environmental effects of the project(s);

NO ☐ YES ☐ If YES, please indicate the CEAA law list trigger(s):

Trigger: _____

- b) can provide specialist advice to the NEB pursuant to Section 12(3) of the CEAA with respect to an environmental assessment of the proposed projects (i.e. an Expert Federal Authority);

NO ☐ YES ☐

- c) requires additional information to make a determination referred to in a) or b) above.

NO ☐ YES ☐ If YES, please forward the request within 10 days after receiving this notification as per subsection 6(2) of the Regulations.

Please advise what role your Department or Agency plans to play in this review by faxing this response to the Chief Conservation Officer, T.M. Baker at (403) 292-5876. Please provide the following contact information:

Name: _____

Title/Department: _____

Address: _____

Telephone: () _____ Facsimile: () _____

Date _____

Authorized Signature for Responding Department or Agency _____