

**Yukon 2000 Eagle Plain and Peel Plateau
Call for Nominations**

August 22, 2000 - October 12, 2000

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Yukon 2000 Eagle Plain and Peel Plateau Call for Nominations (Request for Postings)

**OPENING AT 9 A.M. (PDT) ON AUGUST 22, 2000
AND CLOSING AT 4 P.M. (PDT) ON OCTOBER 12, 2000**

1. Call for Nominations

The Minister of Economic Development hereby calls for the submission of nominations for oil and gas rights located in the Eagle Plain and the Peel Plateau areas of Yukon. A map of these areas is attached for reference (Attachment 3).

Posting requests received between 9 a.m., Pacific Daylight Savings Time (PDT), on August 22, 2000 and 4 p.m. (PDT), on October 12, 2000 will be considered by the Minister for inclusion in a Call for Bids tentatively scheduled to be issued on December 12, 2000. Preliminary information pertaining to the proposed Call for Bids is attached.

2. Content of Posting Requests

All posting requests must be made on the Posting Request Form and described in accordance with the Guidelines for Posting Requests in Yukon (Attachment 2). Each parcel posted shall comprise laterally or diagonally contiguous blocks.

The minimum size of the parcel(s) is one (1) section; the maximum size is one hundred and sixty (160) sections (the equivalent of 2 grid areas).

3. Submission of Posting Requests

All requests should be submitted by fax between 9 a.m. (PDT) on August 22, 2000 and 4 p.m. (PDT) on October 12, 2000. Each request should be addressed as follows:

"Yukon 2000 Eagle Plain and Peel Plateau Request for Posting"
Attention: Division Head
Oil and Gas Resources Branch
FAX: (867) 393-6262

To ensure confidentiality, requesters are advised to give prior notice of their intent to submit a fax by calling (867) 667-3427 immediately prior to transmission. Telephone confirmation will be provided, if requested, upon receipt of the fax. Only the fax copy is necessary; original copies are not required.

All requests received will become property of the Government of Yukon and will not be returned. All information concerning the company requesting the posting will remain confidential. However, under the review process to be followed before the Call for Bids, the public will be informed of the locations being requested and invited to make representations with respect to any environmental, socio-economic or surface access concerns.

4. Priority of Posting

Priority of posting will be determined by order of receipt. Time of receipt will be that recorded by the fax machine of the Oil and Gas Resources Branch in Whitehorse. In case of overlapping requests, the first to be received will have priority. The second requester will be informed of the area remaining in the request, which does not overlap a prior nomination. The second and subsequent requesters will be required to state whether they would like to maintain their posting on the remaining lands or withdraw the request.

5. Specific Considerations

5.1 First Nation Lands

Only areas subject to the administration and control of the Government of Yukon will be considered. First Nation category A settlement lands within the call areas are excluded from the sale.

5.2 Licensing

Before conducting any activity (seismic, drilling of a well, etc.), operators must obtain the required licence pursuant to the Yukon *Oil and Gas Act* and its regulations. At the time of issue of this Call, the relevant regulations (*Licence Administration Regulations*, *Geoscience Exploration Regulations*, and *Drilling and Production Regulations*) were all in draft form.

Companies making requests are advised that an environmental review process will be included in consideration of any licence application.

Concluding a benefits agreement may be required to obtain a licence. For details on the benefits requirements see the draft Call for Bids.

5.3 Review Process

Companies making requests are advised that after the Call for Nominations and before the Call for Bids, the requested areas will be subject to a review process (see sections 6-8 of *Oil and Gas Disposition Regulations*) which involves the public, First Nations and Yukon Government departments. This may result in changes being made to the draft Call for Bids, and additional operating terms and conditions being required at the activity stage.

Seasonal or operational limitations may be established. For example, the work season may be restricted to those months when the proposed type of activity will not have a significant impact on sensitive fish and mammal habitats, birds or other species and there may be conditions relating to drilling fluids and waste discharges. In addition, site-specific environmental protection plans will be required prior to the commencement of activity.

5.4 Heritage Resources

Companies making requests are advised that activity may be prohibited on identified cultural, historic, archeological, and burial sites.

5.5 Special Conditions

Should companies require any special conditions, pursuant to section 5(2) of the *Oil and Gas Disposition Regulations*, these must be identified in the posting request.

6. Process after Call for Nominations

Requests submitted pursuant to the Call for Nominations will be subject to the following process to determine environmental, socio-economic, and surface access concerns:

- Information pertaining to the area requested for postings will be published and the public will be invited to make representations to the Division Head.
- The request will be referred to Yukon Government departments that would be directly affected by or have administrative responsibilities related to activities or operations to be conducted, and First Nations in whose traditional territories the location of the proposed disposition would be situated.
- The Division Head will, after considering information obtained from the public, First Nations and Yukon Government departments, prepare and submit a report and recommendations to the Minister on whether to proceed to a Call for Bids and under what terms and conditions.
- The Minister will make a decision regarding the request after considering the Division Head's report and recommendations.

7. Resulting Call for Bids

The company that requested the posting of a parcel(s) is expected to submit a bid(s) in the Call for Bids. The Minister reserves the right to refuse future posting requests by that company if a bid is not submitted.

The Minister is not obliged to proceed with a Call for Bids for any lands posted.

*Pat Duncan, Minister
Economic Development
Government of Yukon*

Call for Nominations Attachment 1: Further Information

Additional information may be obtained from sources identified below.

Maps, Legislation and Regulations, General Oil and Gas Information

Additional copies of the Call for Nominations package, detailed call area maps, copies of the *Oil and Gas Disposition Regulations*, and other regulations made pursuant to the *Yukon Oil and Gas Act*, and general information on Yukon oil and gas, may be obtained from the following sources:

1. The Yukon Economic Development website at www.economicdevelopment.gov.yk.ca.
2. Oil and Gas Resources Branch
Yukon Department of Economic Development
Suite 209, 212 Main Street
Whitehorse, Yukon
Y1A 2B1
Tel: (867) 667-3427 Fax: (867) 393-6262

Rights Issuance Process and Resource Management Regime

For more information on this call, the rights issuance process or the resource management regime, please contact:

John Masterson
Manager
Oil and Gas Resources Branch
Yukon Department of Economic Development
Suite 209, 212 Main Street
Whitehorse, Yukon
Y1A 2B1
Tel: (867) 667-5026 Fax: (867) 393-6262
E-mail: John.Masterson@gov.yk.ca

Geological, Well, and Environmental Information

To obtain geological, well, environmental, and surface (burial, archeological, historic sites), information with respect to the call area and/or lands surrounding it, please contact:

Riona Freeman
Senior Petroleum Geologist
Oil and Gas Resources Branch
Yukon Department of Economic Development
Suite 209, 212 Main Street
Whitehorse, Yukon
Y1A 2B1
Tel: (867) 667-8525 Fax: (867) 393-6262
E-mail: Riona.Freeman@gov.yk.ca

Surface Access and Land Use Permitting

For more information on surface access and land use permitting, please contact:

Marg White
Head, Land Use
Government of Canada
Department of Indian Affairs and Northern Development
345 - 300 Main Street
Whitehorse, Yukon
Y1A 2B5
Tel: (867) 667-3173 Fax: (867) 667-3214
E-mail: whitem@inac.gc.ca

Call for Nominations Attachment 2: Guidelines for Posting Requests in Yukon and Posting Request Form

These guidelines, which are to be used in filing the attached Posting Request Form, summarize the land description system for parcels in the Yukon Eagle Plain and Peel Plateau areas. For more detailed information see Sections 2, 3 and 4 of the Yukon *Oil and Gas Disposition Regulations*.

For the purposes of posting parcels, land areas are divided into **grids** and grids into **sections**.

Grids are bounded to the east and west by successive meridians of longitude. The boundaries are spaced every 15' of longitude (e.g., 134° 00' W and 134° 15' W).

To the north and south, the boundaries of grids are defined by parallels of latitude joining the points of intersection of their east and west boundaries with successive parallels of latitude spaced every 10' (e.g., 65° 00' N and 65° 10' N). Every grid area is referred to by the latitude and longitude co-ordinates of its northeast corner (e.g., 65° 10' N, 134° 00'W).

A grid is divided into 80 sections. A section is bounded to the east and west by meridians. The boundaries of the sections are spaced at intervals of 1/8 of the distance between the east and west boundaries of the grid.

To the north and south, the boundaries of sections are defined by parallels of latitude spaced at intervals of 1/10 of the distance between the north and south boundaries of the grid.

The sections are numbered and each is referred to by its number (Figure 1).

Figure 1. Grid with 80 Sections

80	70	60	50	40	30	20	10
				39			
				38			
				37			
				36			
75	65	55	45	35	25	15	5
				34			
				33			
				32			
71	61	51	41	31	21	11	1



Economic Development
 Oil & Gas Resources Branch (F-4)
 Box 2703, Whitehorse, YT Y1A 2C6

Tel: 867-667-3427
 Fax: 867-393-6262
 www.economicdevelopment.gov.yk.ca
 john.masterson@gov.yk.ca

POSTING REQUEST

To be completed by the Yukon Oil and Gas Resources Branch:

Date Received: yy mm dd

Call for Nominations

Call Location:

Call Date: yy mm dd

Closing Date: yy mm dd

Client Information

Company:

Contact Name: Title:

Address:

Province/Territory Postal Code

Telephone:

Fax:

E-mail:

Tract

NTS Quad(s):

Grid Area(s):

Section(s):

Number of Sections:

Total Number of Sections:

Notes

Name:

Title:

Signature: _____

Date: yy mm dd

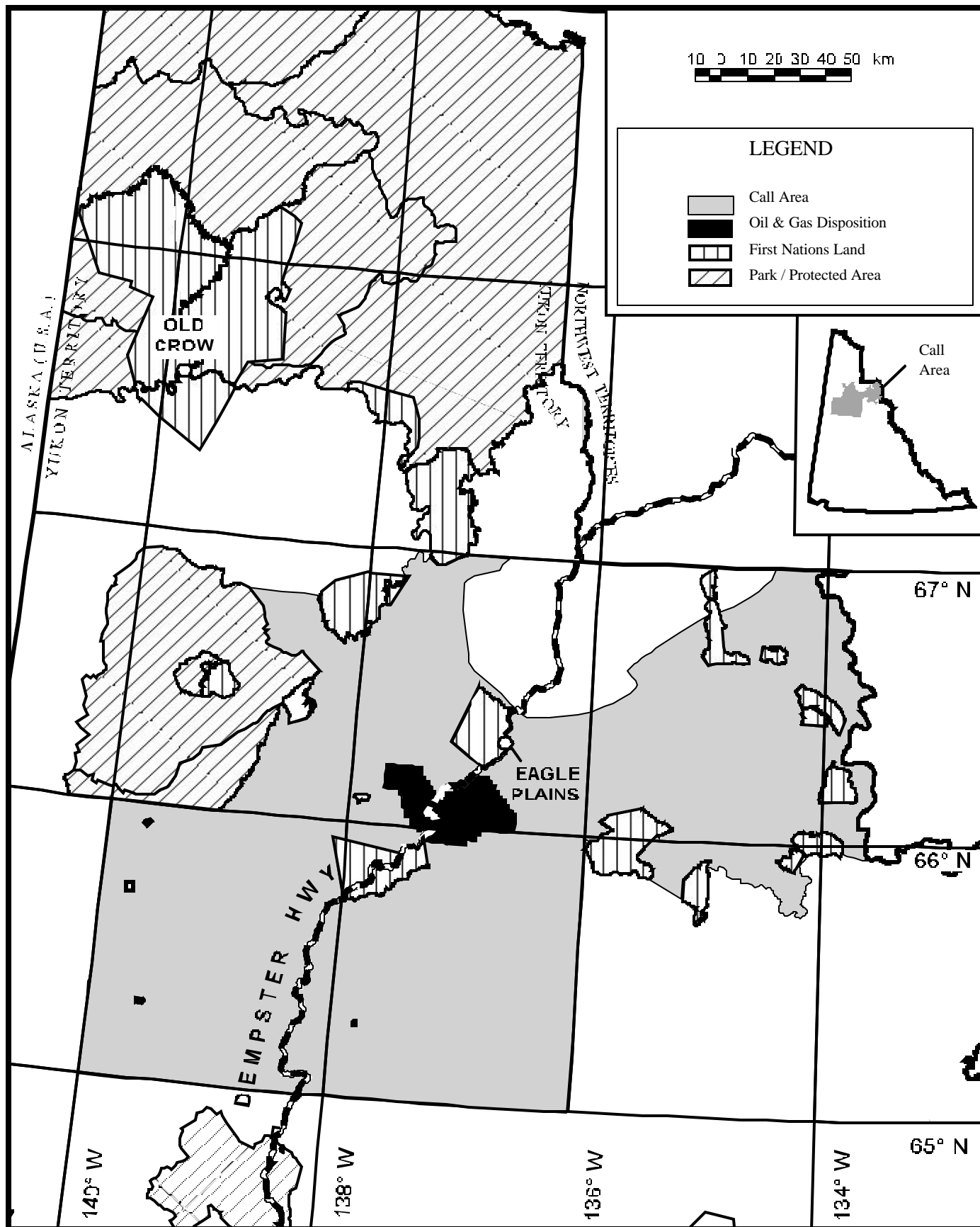
Call #:

Nomination #:

Client I.D. #:

Tract #:

Call for Nominations Attachment 3: Map of Eagle Plain and Peel Plateau Call Area



THIS MAP IS FOR ILLUSTRATIVE PURPOSES ONLY.
 1:500,000 MAP AVAILABLE ON REQUEST.

Draft Yukon 2000 Call for Bids

The following preliminary information in the form of a “Draft Call for Bids” is provided so that industry and the public are aware of the main elements of the proposed Call for Bids. The actual terms and conditions of the proposed Call for Bids may differ as a result of the review process held after the Call for Nominations.

1. Call for Bids

The Yukon Minister of Economic Development (Minister) hereby makes a call for the submission of bids for the sale of oil and gas rights in respect of lands described in Schedule 1.

This Call for Bids is made pursuant to and subject to the Yukon *Oil and Gas Act* and the *Oil and Gas Disposition Regulations*.

The dispositions will grant rights only to oil and gas under the administration and control of the Government of Yukon, and will respect the rights of First Nations under land claims agreements.

Any submission of a bid in response to this Call for Bids shall be made with the understanding that the person(s) submitting the bid accepts and agrees to the terms and conditions in this Call for Bids. Any bid submitted that does not conform to the terms and conditions provided in this Call for Bids will not be considered by the Minister.

2. Submission of Bids

Sealed bids must be delivered, either by registered mail or in person, to the following address prior to **4:00 P.M., Pacific Standard Time (PST), on February 28, 2001**:

Oil and Gas Resources Branch
Yukon Department of Economic Development
Suite 209, 212 Main Street
Whitehorse, Yukon
Y1A 2B1

Each bid submitted in response to this Call must be addressed to the Minister of Economic Development and be in double sealed envelopes bearing no corporate identification. The outer envelope should be clearly marked as follows: “Yukon 2000 Eagle Plain and Peel Plateau Call for Bids”. The inner envelope(s) should be clearly marked as follows: “Yukon 2000 Eagle Plain and Peel Plateau Call for Bids: bid for parcel [number]”.

Companies submitting more than one bid may place all bids in a single outer envelope.

The Bid Submission Form (Attachment 1) must be completed and accompany each bid.

To be accepted, a bid must be accompanied by a separate financial instrument in respect of the Work Deposit (clause 8) and the issuance fee (clause 5).

3. Bid Selection Criterion - *Oil and Gas Disposition Regulations, section 9*

Selection of the successful bid will be made on the basis of a single criterion, namely, the total amount of money that the bidder proposes to spend doing exploratory work on each parcel within the initial term of the permit (Work Proposal Bid).

4. Minimum Bid

Work proposal bids of less than \$1 million for each parcel will not be considered.

5. Issuance Fee – *Oil and Gas Disposition Regulations, Schedule 1*

An issuance fee of \$500 must be submitted with the bid by separate cheque made payable to the Government of Yukon.

6. Term – *Oil and Gas Act, section 31*

Subject to the *Oil and Gas Act*, the initial term of a permit will be six (6) years with a right of renewal and, if the permit is renewed, the renewal term will be four (4) years. Section 35 of the Act provides for extensions of the initial term and the renewal term by reason of drilling.

7. Work Requirement – *Oil and Gas Act, section 34*

The drilling of one (1) exploratory or delineation well prior to the end of the initial term is a requirement for obtaining a renewal for a second term.

Such a well should reach a depth sufficient to evaluate a prospective horizon as described in the geological prognosis in the application for a Well Licence.

Where a well has been commenced and drilling is being pursued diligently, the initial term shall continue until the well has been completed. The second term shall be reduced accordingly.

Failure to drill a well in the location of the permit by the end of the initial term will result in the termination of the permit.

8. Work Deposit – *Oil and Gas Disposition Regulations, sections 9, 12*

Each bid must be accompanied by a work deposit for the specified parcel in the amount of twenty-five per cent (25%) of the bid submitted. Each work deposit must relate to a single parcel.

Form of Payment

The work deposit must be submitted in the form of a bank draft, money order or certified cheque made payable to the Government of Yukon, or any other negotiable financial instrument approved in advance by the Division Head. Failure to receive pre-approval may result in disqualification of the bid. The Division Head may be reached at (867) 667-3427. Non-certified company cheques are not considered negotiable financial instruments for this purpose.

Bank drafts, money orders and certified cheques of successful bidders will be deposited while those of unsuccessful bidders will be returned. Work deposits of successful bidders may be replaced, at their convenience, by letters of credit, promissory notes accompanied by bank letters of guarantee, or other negotiable financial instruments satisfactory to the Minister.

As expenditures are incurred during the initial term of the permit, Work Deposits are refundable at the rates established in the attached Schedule of Allowable Expenditures (Attachment 2). Since

Work Deposits represents 25% of the total amount bid for a parcel, refunds are likewise prorated on the basis of 25% of allowable expenditures incurred.

Any Work Deposit balance remaining at the end of the initial term will be forfeited. Expenditures incurred in the second term of a permit will not be credited against the Work Deposit.

9. Rentals - *Oil and Gas Disposition Regulations, section 29*

There are no rentals payable during the initial term of a permit.

In the second term, rentals will be payable at \$5.00/hectare

Rentals will be payable annually, in advance, and are to be submitted by electronic funds transfer, cheque payable to the Government of Yukon, or any other negotiable financial instrument in a form satisfactory to the Minister.

When a permit continues in force beyond the second term due to the drilling of a well deemed to be pursued diligently in accordance with Section 35 of the Yukon *Oil and Gas Act*, rentals will be payable at the rates applicable during the second term. Such rentals will be payable monthly, in advance, at the rate of one twelfth (1/12) of the annual rates.

Failure to pay rentals will result in the early termination of the permit.

10. Allowable Expenditures – *Oil and Gas Disposition Regulations, sections 9, 12*

Attachment 2 contains the schedule of allowable expenditures to be used in determining refunds of Work Deposits.

11. Acceptance/Rejection of Bids – *Oil and Gas Act, section 18*

For the purpose of issuing a permit, the Minister will choose the highest bid in terms of the single bidding criterion (Work Proposal Bid). The Minister is not bound to select any bid submitted.

Bids will be accepted only in relation to an entire parcel.

Bidding results will be made available as soon as possible following the closing of the call.

12. Related Requirements

The exercise of oil and gas exploration rights is subject to specific terms and conditions including:

12.1 Conditions Relating to the Environment

Operators wishing to carry out activities will be required to comply with all Yukon requirements, and federal environmental requirements stemming from the *Canadian Environmental Assessment Act*, and other applicable legislation.

Companies making bids are advised that some area(s) may be subject to additional regulatory terms and conditions when applications are submitted for licenses under the *Oil and Gas Act*. These terms and conditions may include measures intended to maintain the habitat of the Porcupine Caribou herd; protect the integrity of the Peel River watershed; and maintain tourism values and the aesthetic appeal of the landscape. The work season may be restricted to those months when the proposed type of activity will not have significant environmental impact on

sensitive fish and mammal habitats, birds or other species and there may be conditions relating to drilling fluids and waste discharges.

The proponent may be required to prepare site specific environmental protection plans prior to the commencement of activity. These plans would describe the necessary procedures the operator would take to minimize any environmental impacts to sensitive fish and mammal habitats, birds or other species in the region.

12.2 Yukon Benefits Requirements

Companies applying for a license may be required to conclude benefits agreements and shall adhere to the Yukon benefits requirements outlined in Attachment 3.

12.3 Compensation

Operators will be expected to provide fair and equitable compensation, consistent with applicable territorial policies, to individuals involved in hunting, trapping and fishing in the event of adverse impacts demonstrated to result from project-related activities.

13. Permit

Any permit which may result from this Call for Bids will be issued pursuant to the *Yukon Oil and Gas Act* and the *Oil and Gas Disposition Regulations*.

**Call for Bids Schedule 1:
Parcels Available for 2000 Eagle Plain
and Peel Plateau Call for Bids**

(To be determined after Call for Nominations and review process)

Call for Bids Attachment 1: Bid Submission Form

Closing date of the Call for Bids: _____

Bid posted on the following parcel: _____

Amount of Work Proposal submitted: _____
(minimum amount of \$1,000,000)

Work Deposit submitted: _____
(25% of the Work Proposal Bid)

The Work Deposit is submitted in the form of

certified cheque	___
bank draft	___
money order	___
other pre-approved form	___

If this Bid is successful, please issue the permit to:

_____	_____ . _____ °°
_____	_____ . _____ °°
_____	_____ . _____ °°
_____	_____ . _____ °°

Name of representative and address for service:

phone: _____

fax: _____

If this bid is not accepted, the work deposit should be returned to:

by registered mail ___ by courier collect ___ other ___(please specify)

**Oil and Gas Resources Branch
Yukon Department of Economic Development
209 –212 Main Street
Whitehorse, Yukon
Y1A 2B1**

Call for Bids Attachment 2: Schedule of Allowable Expenditures

(note: claims may be subject to post audit)

Data Acquisition

Reflection seismic operations, including all costs relating to field acquisition, processing and interpretation:

2D surveys	\$15,000 per km
3D surveys	\$35,000 per sq. km
Participation surveys and group shoots as they relate specifically to evaluation of the Location.	At cost to the Permittee, not to exceed the above rates, and subject to pre-approval.
Other geophysical and geological programs or portion thereof, as they relate specifically to evaluation of the Location, such as gravity, aeromagnetic, helicopter portable seismic surveys and geological field studies.	On a case by case basis requiring pre-approval.

Data Purchase

Purchase of gravity, digiseis, and magnetic surveys.	On a case by case basis requiring pre-approval.
Purchase of seismic data for re-interpretation.	\$750 per km
Purchase of seismic data for re-processing and re-interpretation.	\$1,500 per km

Studies

Geological, geochemical, paleontological and field environmental studies.	On a case by case basis requiring pre-approval.
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Drilling

Drilling operations while actively conducted. (This allowable expenditure includes all costs related to mobilization, demobilization, regional office and supervision, support vehicles, helicopters, etc.).	\$100,000 per day
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Overhead

Ten percent (10%) of the expenditures described above and allowed by the Minister pursuant to section 2 of this Schedule, to cover head office, management, pre-program and post-program costs.

Call for Bids Attachment 3: Yukon Benefits Requirements

Companies engaged in exploration activity in Yukon are expected to follow the requirements outlined below.

Benefits, Employment and Training

Section 68 of the Yukon *Oil and Gas Act* states that no oil and gas activity shall be carried out under the authority of a licence unless there is in effect a benefits agreement. The following summarizes the main requirements of section 68 of the Act:

- Normally, the agreement is to be tripartite, between the licensee, the Minister on behalf of the Government, and the Yukon First Nation on whose settlement land or traditional territory the activity will be carried out. However, the following should be noted:
 - If the activity is to be carried out exclusively on Category A Settlement Lands, a benefits agreement executed by the licensee and the First Nation will be deemed to be a benefits agreement under the Act.
 - If the activity is to be carried out exclusively on Category B Settlement Land, a benefits agreement executed by the licensee and the Minister will be deemed to be a benefits agreement under the Act if there has been full and fair consideration of the views presented by First Nations. If there is no agreement between the First Nation and the Minister, an arbitrator will hear and settle the matter.
 - On other traditional lands, a benefits agreement executed by the licensee and the Minister will be deemed to be a benefits agreement under the Act.
- The agreement is to contain undertakings by the licensee to provide to First Nations, local community residents, and other Yukoners opportunities for employment and training, and opportunities to supply goods and services to the licensee and contractors.
- The benefits are to be commensurate with the nature, scale, duration and cost of the work. Where work related to the oil and gas activity is not anticipated to entail costs in excess of \$1,000,000 (one million dollars) in any 12-month period a benefits agreement is not required.
- The agreement may cover activities to be carried out under two or more licences.
- The requirement for an agreement may be waived under some circumstances.

Consultation

A company will be expected to provide appropriate information concerning its exploration programs to concerned individuals, groups and communities in Yukon. Exchanging relevant information in a timely fashion will enable the company to assess the potential local economic and employment opportunities.

Reporting

As determined by the Division Head, a company will be required to report on its progress in achieving the benefits requirements.

GEOLOGICAL INFORMATION

Yukon Eagle Plain Call for Bids #2

Call for Bids Background:

In 1999, for the first time in 20 years, oil and gas rights were issued in the Yukon Territory. Two permits were issued to Anderson Resources Ltd. for parcels in the Eagle Plain region.

The Government of Yukon intends to issue annual Call for Nominations. In the summer of 2000, therefore, the government issued a Call for Nominations for the Eagle Plain and Peel Plateau region. The Call resulted in one parcel being nominated in an area adjacent to the permits issued in 1999. During November 2000, the nominated area was subject to a public review process to determine any environmental, socio-economic, or surface access concerns.

The current Call for Bids, which takes the concerns expressed into account, closes on March 14, 2001. The Call for Bids package is available from the Oil and Gas Resources web site at www.yukonoilandgas.com. It is also available in hard copy by phoning, faxing, writing or visiting the Branch as follows:

Oil and Gas Resources Branch
Yukon Department of Economic Development
Suite 209, 212 Main Street
Whitehorse, Yukon, Y1A 2B1
Tel: (867) 667-3427
Fax: (867) 393-6262

The following documentation is designed to assist exploration companies by providing basic exploration information and directions on how to obtain further geological data.

Geographic Description

Figure 1 shows the location of the nominated parcel relative to existing dispositions, oil and gas wells and settled land claims. The parcel occupies an area near 66° North latitude and 137° West longitude just south of the Arctic Circle, and is located about 300 kilometres north of Dawson City. The area consists of 99 sections (26,000 hectares). Physical access is by the Dempster Highway. Historically, there has been no drilling on the nominated parcel although there are adjacent wells (Figure 2). Seismic exploration occurred in this area from 1961 to 1984. The labeled seismic lines are shown in Figure 2.

Regional Geology

The Eagle Plain Basin is an intermontane basin with preserved sediments ranging from Cambrian to Cretaceous in age (Figure 3). The basin is bounded on the west, south and east by tectonically uplifted outcrops of subsurface zones. The parcels occupy an area of subdued rolling topography in the southern portion of Eagle Plain. Laramide-aged structural influences have resulted in the formation of a number of long linear anticlines which have been the historic focus of oil and gas exploration.

A resource assessment of the entire Eagle Plain Basin was completed in 1994 by the National Energy Board, identifying the potential for 83.7 Bcf of gas and 11.1 million barrels of oil (NEB, 1994).

Historic Activity

Since the discovery of oil and gas in the Chance M-08 well in 1960, 22 wells have been drilled in the region surrounding the nominated parcel. Most wells have been drilled on surface anticlines, further delineated by seismic exploration. Figure 3 shows a chronological list of wells and stratigraphic units encountered. Potential producing zones and cored intervals are also illustrated.

There are three federally issued Significant Discovery Licences (SDL's) in the Eagle Plain area (Figure 1). Interests in these SDL's are held by Northern Cross (Yukon) Ltd. and Chevron Canada Ltd. From east to west, they are:

Disposition	Proving Well	Oil/Gas Recoveries
SDL 020: Birch	B-34	Gas: Chance Member, Tuttle Formation
SDL 021: Blackie	M-59	Gas: Jungle Creek Formation, Canoe River Member
SDL 022: Chance	M-08	Oil: Fishing Branch, Canoe River Member, Tuttle Formation
	G-08	Oil: Fishing Branch
	J-19	Gas: Canoe River Member

The M-59 (Blackie) suspended gas well is the nearest discovery to the nominated parcel (Figure 2). Significant gas accumulations were identified in the Jungle Creek Formation (Permian) and the Canoe River Member of the Hart River Formation (Mississippian). Table 1 depicts oil and gas shows and estimated resources from the Eagle Plain Resource Assessment (NEB, 1994). The zone associated with each discovery is also listed.

Reservoirs, Traps and Source

Figure 4 is a schematic representation of reservoirs and traps in the bowl-shaped southern basin (from Hamblin, 1990 and Indian and Northern Affairs, 1995). Some trap types may involve Laramide structural culminations. The Devonian and younger Paleozoic succession dips southward so that progressively older rocks subcrop beneath sub-Cretaceous and sub-Permian unconformities. These trend northward, giving rise to the potential for various unconformity traps. Lateral facies changes within these zones provide other possibilities for stratigraphic traps.

Near the Call for Bids parcel, drilling depths to proven oil and gas zones in the upper Devonian and Carboniferous average approximately 1600 metres. Deeper in the section, potential reservoirs in the lower Paleozoic (Ogilvie Formation, for example) have not been tested extensively.

Potential source rocks are identified in the Canol, Imperial, Ford Lake, Blackie, Jungle Creek and Albian shale formations. Varying thermal maturities are reported (Link and Bustin, 1989).

Data Sources

- **Base Maps:** available from Natural Resources Canada's Centre for Topographic Information <http://www.cits.rncan.gc.ca>
- **Geological Information:** the Geological Survey of Canada has produced a CD-ROM in conjunction with the Yukon Government with 1:250,000 scale data. \$60. Contact the Whitehorse Mining Recorder: Phone (867) 667-3190.
- **Yukon Petroleum Resource Assessments:** available from the Oil and Gas Resources Branch, Government of Yukon <http://www.yukonoilandgas.com>
- **Well Information:** available in Yukon from the Government of Yukon (Oil and Gas Resources Branch) and in Calgary from the National Energy Board. Wells are named following the federal grid system.

Operator	Block Name	Unit letter	Section Number	Latitude	Longitude
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For Example: Socony Mobil Westmin Blackie M-59-66-00-137-00

- Socony Mobil Westmin are the operators
- Blackie is the block name
- M is the unit Letter
- 59 is the section number
- 66°N and 137°W is the north-east corner the grid area

See Figure 5 for a graphic definition of grid areas, sections and units.

- **Well Logs:** Whitehorse: Oil and Gas Resources Branch, Government of Yukon (867) 667-3427; Calgary: Geological Survey of Canada (Calgary) Core Facility, National Energy Board, M.J. Systems and International Datashare Corporation.
- **Cores:** stored at the Geological Survey of Canada (Calgary) Core Facility. Phone: (403) 292-7000.
- **Seismic Information:** available from the National Energy Board in fiche form. See Figure 2 for a map of seismic lines for projects conducted between 1961 and 1984. Commercial vendors also maintain data sets:
 - **SEG-Y (seismic) Data** – available from Lynx Canada Information Systems. Phone: (403) 269-7255 or email: lynxcanada@home.com

Key Publications

Graham, A.P., 1990, Carboniferous and Permian Stratigraphy, Southern Eagle Plain, Yukon Territory, Canada in *Symposium on Geology of the Canadian Arctic*. Aitken, J.D. and Glass, D.J. (Eds.), Geological Association of Canada and Canadian Society of Petroleum Geologists, pp.159-180

Hamblin, A.P., 1990, Upper Paleozoic Petroleum Geology and Potential, Southern Eagle Plain, Yukon Territory, Geological Survey of Canada Open File Report 2286.

Lane, L.V., 1998, Latest Cretaceous – Tertiary Tectonic Evolution of Northern Yukon and Adjacent Arctic Alaska, AAPG Bulletin, v.82/7, pp.1353-1371.

Link, C.M. and Bustin, R.M., 1989, Petroleum Source Potential and Depositional Setting of Phanerozoic Strata in Northern in Northern Yukon and Northwestern District of Mackenzie, Bulletin of Canadian Petroleum Geology, v.37, pp.293-315.

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also

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- Richards, B.C., Bamber, E.W. and Utting, J., 1996. Upper Devonian to Permian, pp.201-251.
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Figures

- Figure 1 Location Map
- Figure 2 Eagle Plain Seismic Lines (1961-1984)
- Figure 3 Well List and Stratigraphy
- Figure 4 Diagrammatic Cross-Section – Southern Eagle Plain Basin
- Figure 5 Yukon Well Location Scheme

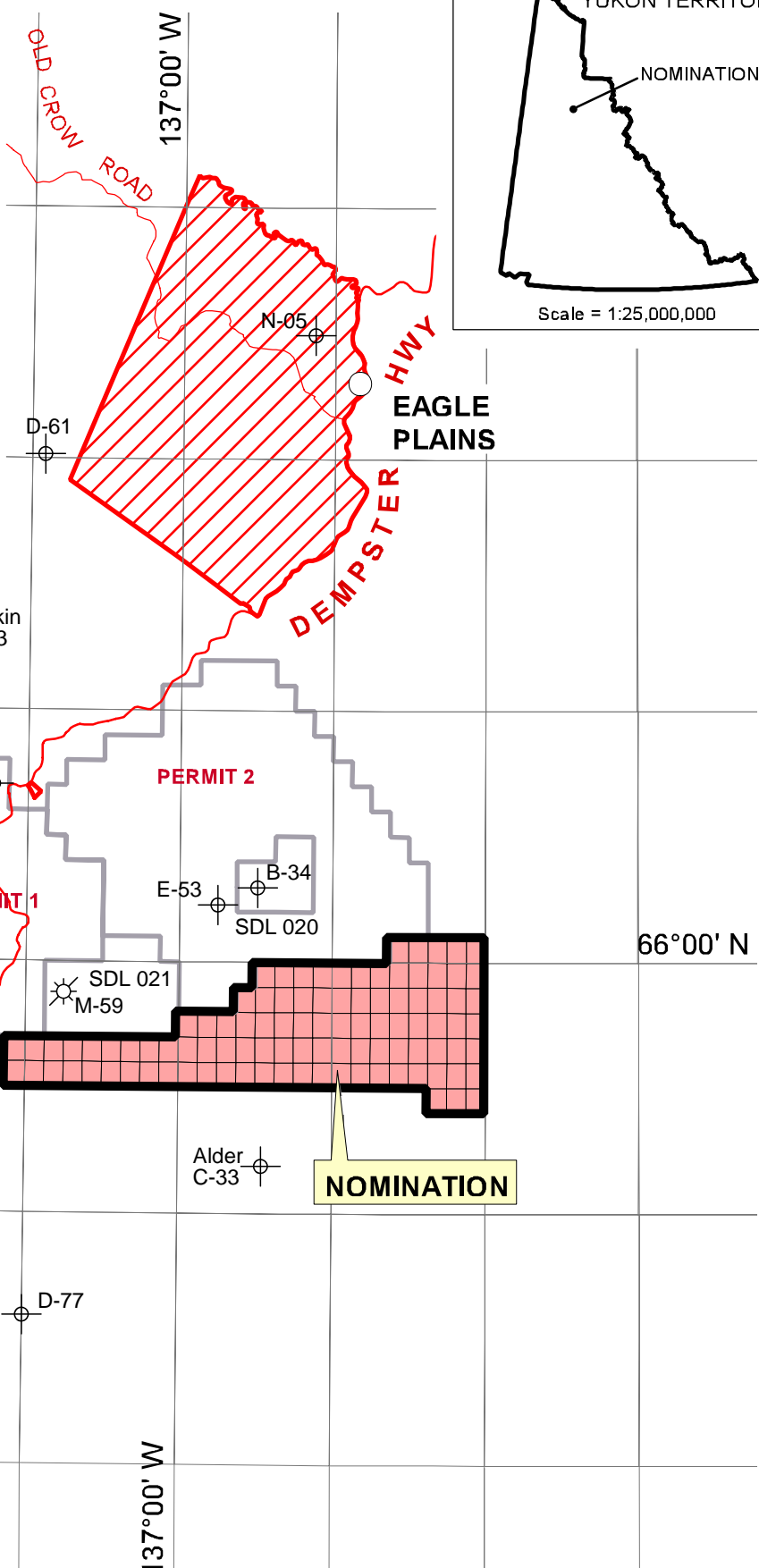
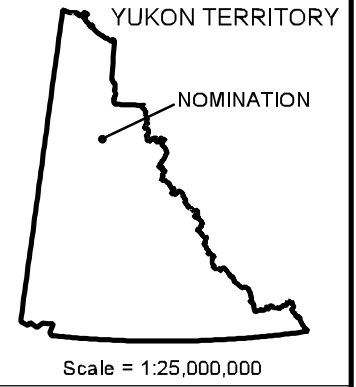
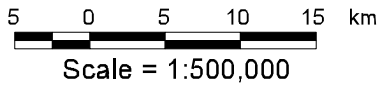
Tables

- Table 1 Well Results and Estimated Resource Table

Figure 1: EAGLE PLAIN LOCATION MAP

LEGEND:

-  Nominated Area
-  Oil & Gas Disposition
-  Vuntut Gwitchin First Nation R-Block
-  Tr'ondek Hwech'in First Nation R-Block
-  Road
-  Abandoned Well
-  Suspended Oil & Gas Well
-  Suspended Gas Well



DISPOSITION OWNERSHIP:
Permits 1 & 2: Anderson Exploration
SDL 020, 021, 022: Northern Cross & Chevron








Fig.1

FOR ILLUSTRATIVE PURPOSES ONLY

Figure 2: EAGLE PLAIN SEISMIC LINES (1961-1984)

LEGEND:

-  Nomination
-  Access Route
-  Seismic Line (1961-1984)
-  Abandoned Well
-  Suspended Gas Well

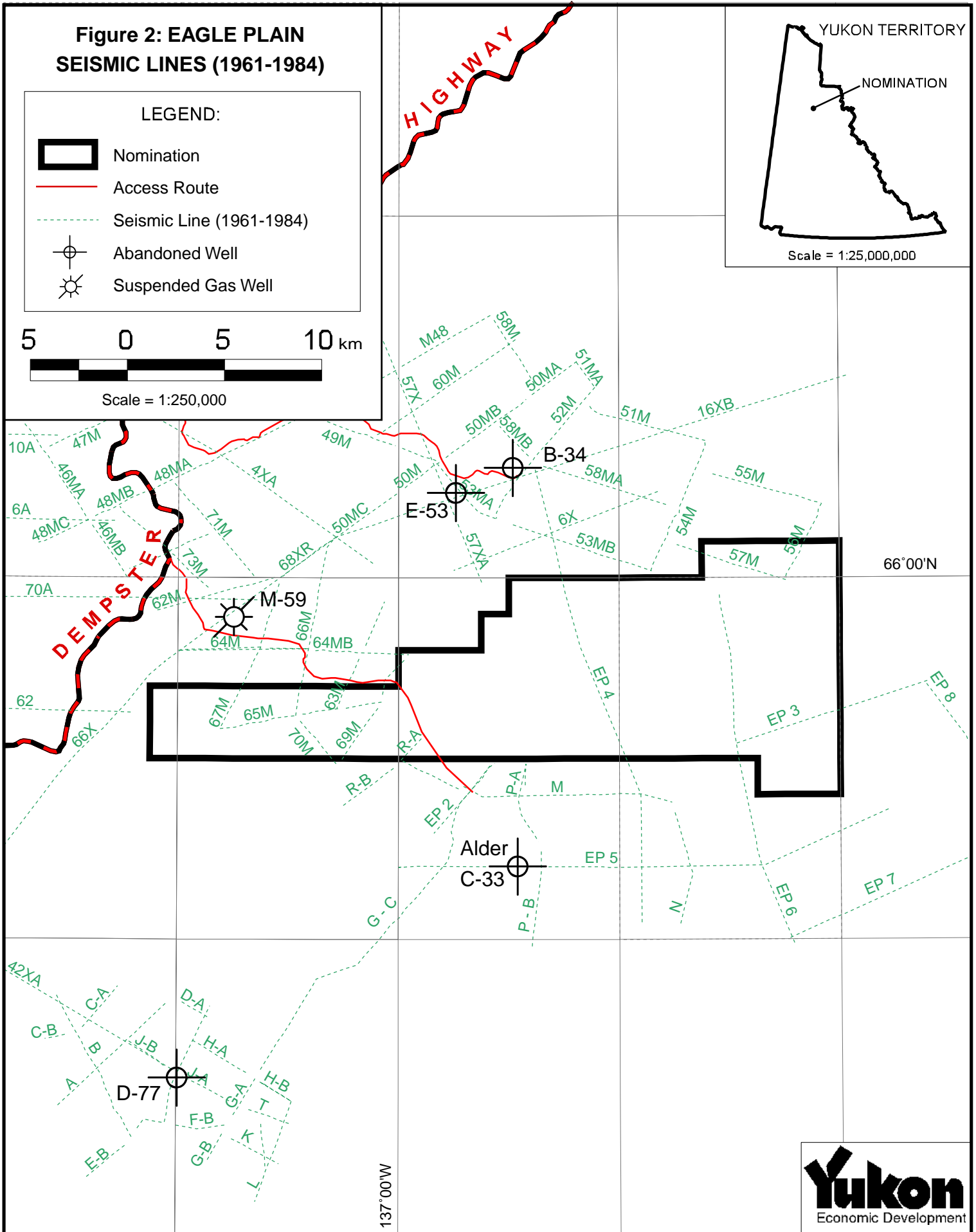
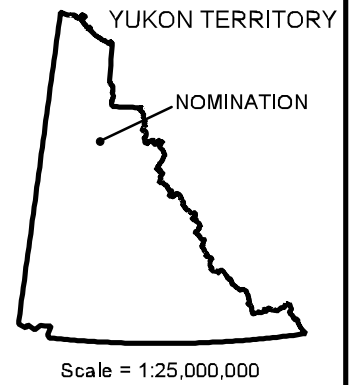
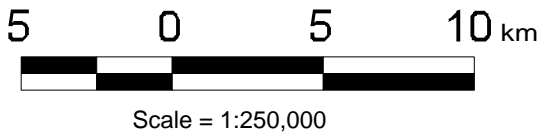


Fig.2

FOR ILLUSTRATIVE PURPOSES ONLY

FIGURE 3: WELL LIST AND STRATIGRAPHY

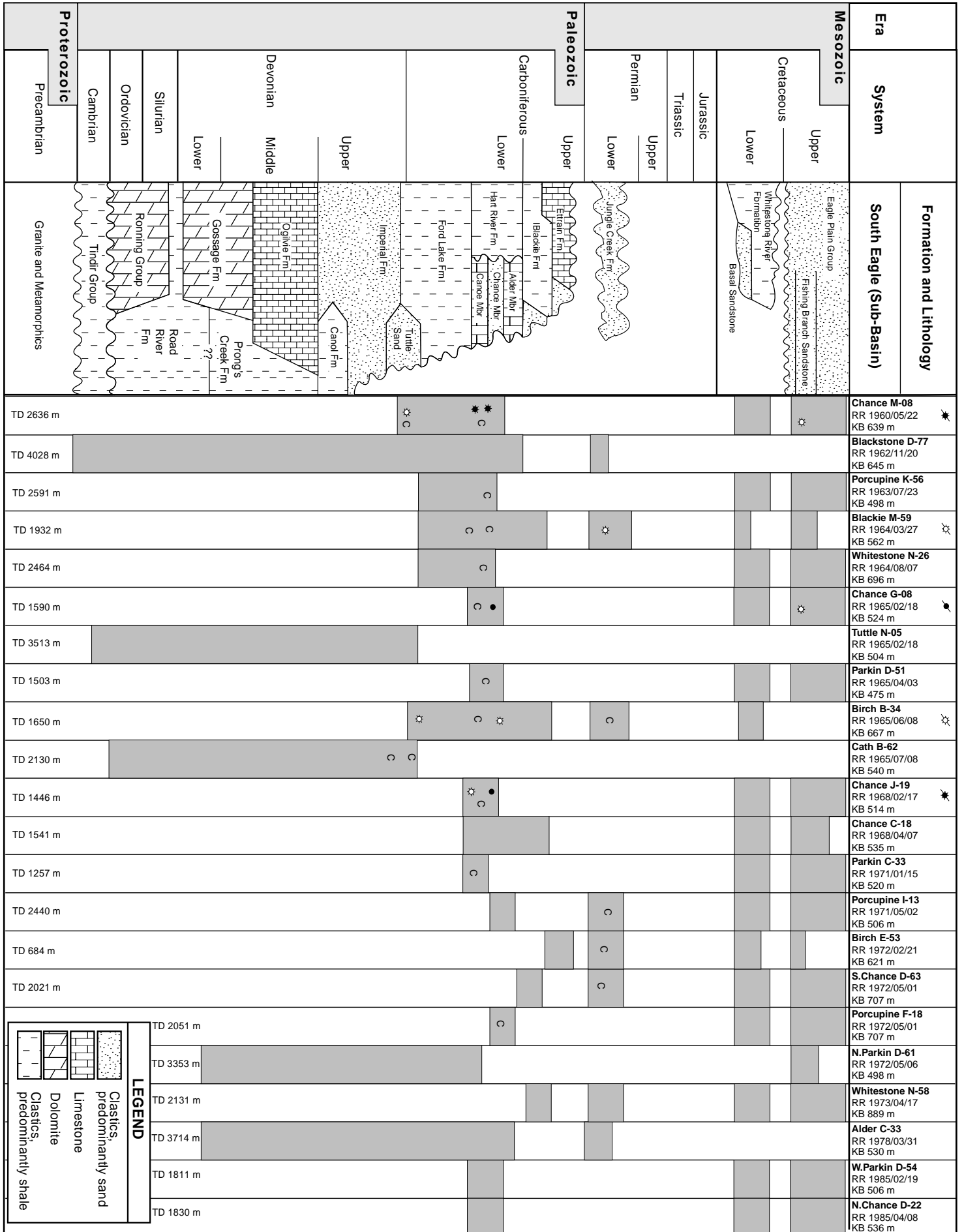


Fig. 3

FIGURE 4: DIAGRAMMATIC CROSS-SECTION - SOUTHERN EAGLE PLAIN BASIN

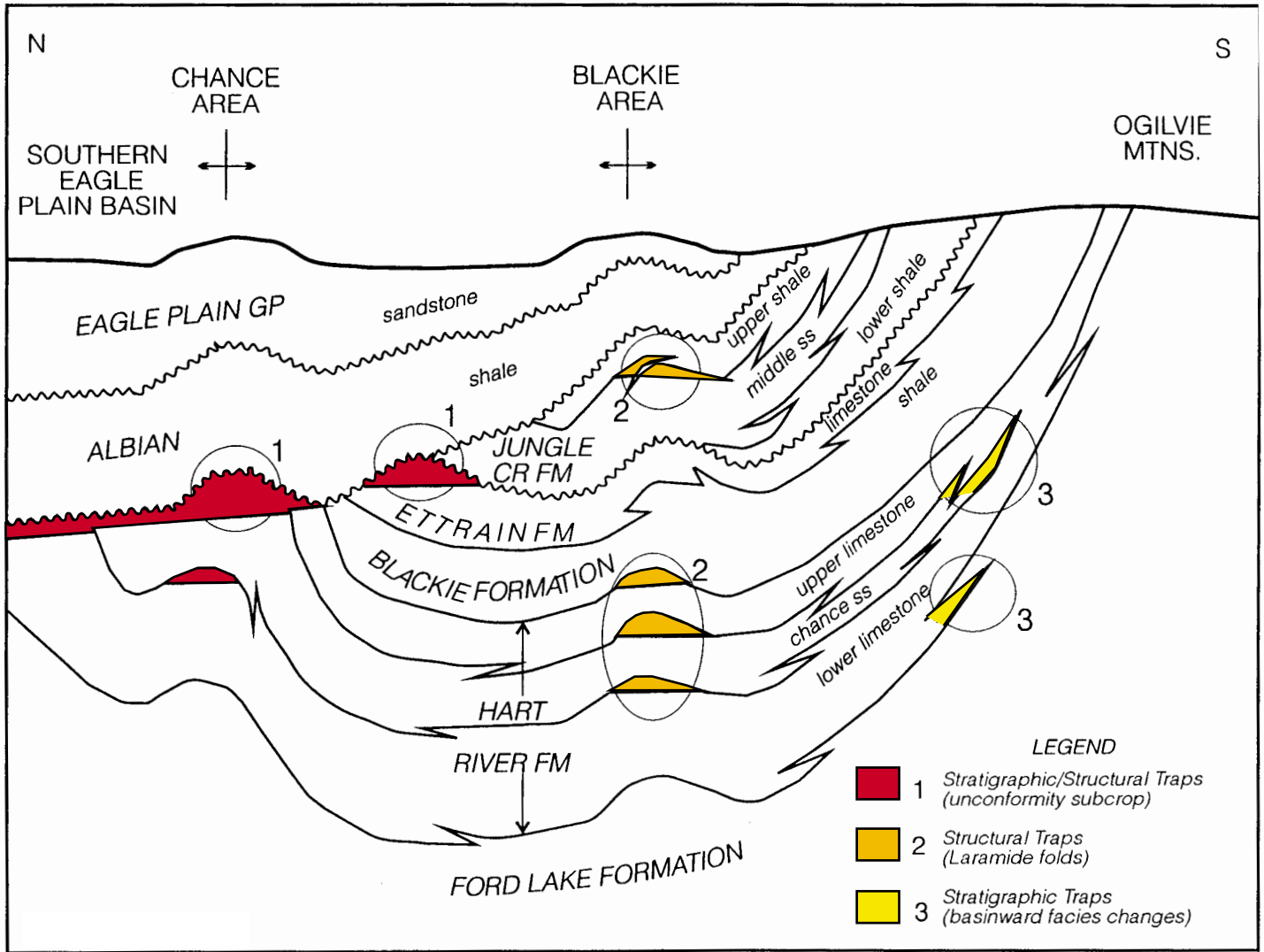


FIGURE 5: YUKON DISPOSITION LOCATION SCHEME

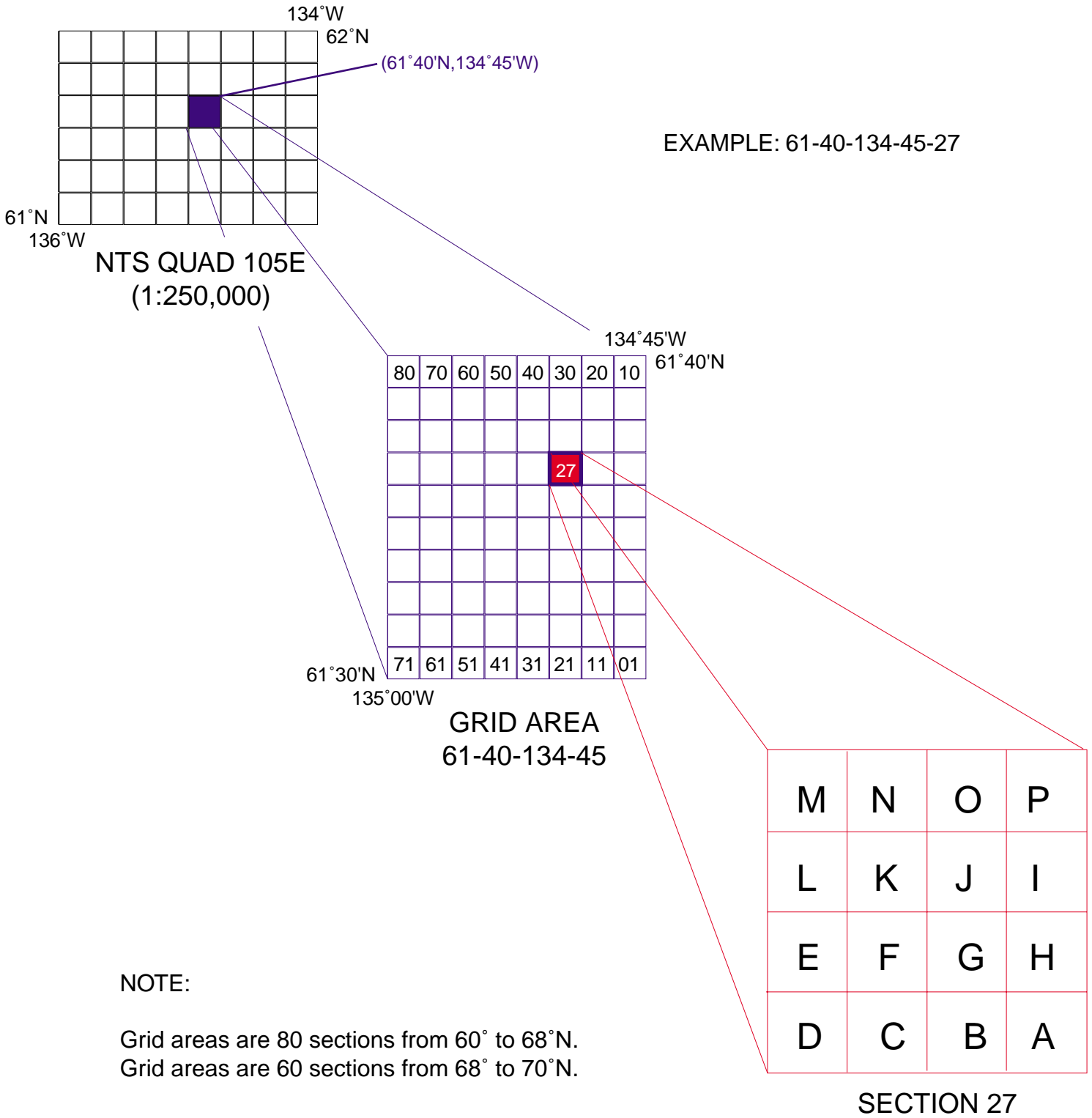


Fig. 5

TABLE 1: WELL RESULTS AND ESTIMATED RESOURCE TABLE

STATUS	LOCATION	ZONE	RECOVERY m ³ (ft ³)	ESTIMATED RESOURCE 10 ⁶ m ³ (MMbbls)
OIL				
◇	Chance D-22	Fishing Branch	oil cut mud	0
◇	Birch B-34	Jungle Cr.	oil cut mud	0
✱	Chance M-08	Chance #1	610 m (2,000) oil	700 (4.44)
		Chance #2	4 bbls oil	0 (0.12)
		Chance #3	4 bbls oil	0
		Canoe R.#2	290 m (1,000) oil	7.3 (0.05)
		Chance G-08	Chance #1A	360 m (1,180) oil
✱	Chance J-19	Chance #3	500 m (1,640) oil	260 (1.64)
		Canoe	oil cut mud	0
◇	E. Chance C-18	Canoe	37 m (120) cond.	0
◇	W. Parkin D-51	Canoe	91 m (300) oil	0
				Total Oil: 1.8 10⁶m³ (11.1 BCF)
GAS				
✱	Chance G-08	Fishing Branch	93,447 (3,300)	150 (5.0)
		Chance #1A	gas too small to measure	0
✱	Chance M-08	Fishing Branch	22,994 (812)	incl.
		Chance #1	283,174 (10,000)	770 (27.2)
		Chance #2	14,159 (500)	212 (7.5)
		Chance #3	14,159 (500)	212 (7.5)
		Canoe R. #2	283,000 (10,000)	2.8 (0.1)
		Tuttle	226,539 (8,000)	57 (2.0)
◇	W. Parkin C-33	Fishing Branch	7,929 (280)	0
		Canoe	gas too small to measure	0
◇	W. Parkin D-51	Fishing Branch	gas too small to measure	0
		Canoe	gas too small to measure	0
◇	N. Parkin D-61	Fishing Branch	gas cut water	0
◇	Whitefish J-70	Fishing Branch	gas cut water	0
◇	W. Parkin D-54	Fishing Branch	1,004 (36)	0
		Canoe	gas cut water	0
◇	Chance D-22	Fishing Branch	gas cut mud	0
✱	Blackie M-59	Jungle Cr.	79,288 (2,800)	660 (23.3)
		Canoe	4,021 (142)	0
◇	S. Chance D-63	Jungle Cr.	gas cut mud	0
◇	Birch E-53	Jungle Cr.	gas cut water	0
◇	Porcupine I-13	Jungle Cr.	368 (13)	0
		Canoe	1,444 (51)	0
◇	Birch B-34	Jungle Cr.	gas too small to measure	0
		Chance	150,000 (5,500)	179 (6.3)
		Tuttle	200,000 (7,300)	81 (3.0)
◇	E. Chance C-18	Chance	56,502 (1,600)	0
		Canoe	14,640 (512)	0
✱	Chance J-19	Canoe R. #1	62,690 (2,214)	52 (1.8)
◇	Porcupine K-56	Canoe	gas too small to measure	0
◇	Whitestone N-26	Tuttle	13,026 (460)	0
◇	Ellen C-24	Tuttle	gas cut mud	0
◇	Whitefish I-05	Tuttle	gassy water	0
◇	Ridge F-48	Tuttle	1,246 (44)	0
◇	S. Tuttle N-05	Ogilvie	gas too small to measure	0
		Gossage	28,540 (1,000)	0
◇	Schaffer O-22	Gossage	gas cut mud	0
◇	Peel Plat. N-49	Ogilvie	gassy mud	0
◇	N. Hope N-53	Ronning	gas cut mud	0
				Total Gas: 2,376 10⁶m³(83.7 BCF)

Oil	●
Oil & Gas	✱
Gas	⊛
Suspended	✱✱
Abandoned	◇

Table. 1

YUKON CALL FOR BIDS #2

Parcel in Eagle Plain Basin

January 12 to March 14, 2001

Oil & Gas Resources Branch
Yukon Department of Economic Development
209 - 212 Main Street
Whitehorse, Yukon, Y1A 2B1
Canada
Tel: (867) 667-3427
Fax: (867) 393-6262

Yukon 2001 Call for Bids Parcel in Eagle Plain Basin

1. Call for Bids

The Yukon Minister of Economic Development (Minister) hereby makes a call for the submission of bids for the sale of oil and gas rights in respect of the parcel described in Schedule 1.

This Call for Bids is made pursuant to and subject to the Yukon *Oil and Gas Act* and the *Oil and Gas Disposition Regulations*.

The dispositions will grant rights only to oil and gas under the administration and control of the Government of Yukon, and will respect the rights of First Nations under land claims agreements.

Any submission of a bid in response to this Call for Bids shall be made with the understanding that the person(s) submitting the bid accepts and agrees to the terms and conditions in this Call for Bids. Any bid submitted that does not conform to the terms and conditions provided in this Call for Bids will not be considered by the Minister.

2. Submission of Bids

Sealed bids must be delivered, either by registered mail or in person, to the following address prior to **4:00 P.M., Pacific Standard Time, on Wednesday, March 14, 2001:**

Oil and Gas Resources Branch
Yukon Department of Economic Development
Suite 209, 212 Main Street
Whitehorse, Yukon
Y1A 2B1

Each bid submitted in response to this Call must be addressed to the Minister of Economic Development and be in double sealed envelopes bearing no corporate identification. The outer envelope should be clearly marked as follows: "Yukon 2001 Eagle Plain Call for Bids". The inner envelope should be clearly marked as follows: "Yukon 2001 Eagle Plain Call for Bids: bid for parcel 01".

The Bid Submission Form (Attachment 1) must be completed and accompany the bid.

To be accepted, a bid must be accompanied by a separate financial instrument in respect of the Work Deposit (clause 8) and the issuance fee (clause 5).

3. Bid Selection Criterion - *Oil and Gas Disposition Regulations, section 9*

The successful bid will be selected on the basis of a single criterion, namely, the total amount of money that the bidder proposes to spend doing exploratory work on the parcel within the initial term of the permit (Work Proposal Bid).

4. Minimum Bid

Work proposal bids of less than \$1 million for the parcel will not be considered.

5. Issuance Fee – *Oil and Gas Disposition Regulations, Schedule 1*

An issuance fee of \$500 must be submitted with the bid by separate cheque made payable to the Government of Yukon.

6. Term – *Oil and Gas Act, section 31*

Subject to the *Oil and Gas Act*, the initial term of a permit will be six (6) years with a right of renewal and, if the permit is renewed, the renewal term will be four (4) years. Section 35 of the Act provides for extensions of the initial term and the renewal term by reason of drilling.

7. Work Requirement – *Oil and Gas Act, section 34*

The drilling of one (1) exploratory or delineation well prior to the end of the initial term is a requirement for obtaining a renewal for a second term.

Such a well should reach a depth sufficient to evaluate a prospective horizon as described in the geological prognosis in the application for a Well Licence.

Where an initial term is extended by reason of drilling, the second term shall be reduced accordingly.

Failure to drill a well in the location of the permit by the end of the initial term will result in the termination of the permit.

8. Work Deposit – *Oil and Gas Disposition Regulations, sections 9, 12*

Each bid must be accompanied by a work deposit for the parcel in the amount of twenty-five per cent (25%) of the bid submitted.

Form of Payment

The work deposit must be submitted in the form of a bank draft, money order or certified cheque made payable to the Government of Yukon, or any other negotiable financial instrument approved in advance by the Division Head. Failure to receive pre-approval may result in disqualification of the bid. The Division Head may be reached at (867) 667-3427. Non-certified company cheques are not considered negotiable financial instruments for this purpose.

Bank drafts, money orders and certified cheques of successful bidders will be deposited while those of unsuccessful bidders will be returned. Work deposits of successful bidders may be replaced, at their convenience, by letters of credit, promissory notes accompanied by bank letters of guarantee, or other negotiable financial instruments satisfactory to the Minister.

As expenditures are incurred during the initial term of the permit, Work Deposits are refundable at the rates established in the attached Schedule of Allowable Expenditures (Attachment 2). Since Work Deposits represents 25% of the total amount bid for the parcel, refunds are likewise prorated on the basis of 25% of allowable expenditures incurred.

Any Work Deposit balance remaining at the end of the initial term will be forfeited. Expenditures incurred in the second term of a permit will not be credited against the Work Deposit.

9. Rentals - *Oil and Gas Disposition Regulations, section 29*

There are no rentals payable during the initial term of a permit.

In the second term, rentals will be payable at \$5.00/hectare

Rentals will be payable annually, in advance, and are to be submitted by electronic funds transfer, cheque payable to the Government of Yukon, or any other negotiable financial instrument in a form satisfactory to the Minister.

When a permit continues in force beyond the second term due to the drilling of a well, rentals will be payable at the rate applicable during the second term. Such rentals will be payable monthly, in advance, at the rate of one twelfth (1/12) of the annual rate.

Failure to pay rentals will result in the early termination of the permit.

10. Allowable Expenditures – *Oil and Gas Disposition Regulations, sections 9, 12*

Attachment 2 contains the Schedule of Allowable Expenditures to be used in determining refunds of Work Deposits.

11. Acceptance/Rejection of Bids – *Oil and Gas Act, section 18*

For the purpose of issuing a permit, the Minister will choose the highest bid in terms of the single bidding criterion (Work Proposal Bid). The Minister is not bound to select any bid submitted.

Bids will be accepted only in relation to the entire parcel.

Bidding results will be made available as soon as possible following the closing of the call.

12. Related Requirements

The exercise of oil and gas exploration rights will be subject to Yukon policy and regulatory requirements noted in this section. In addition, bidders are advised that surface access and activities will be subject to federal land use planning requirements.

Before conducting any activity (seismic, drilling of a well, etc.), operators must obtain the required licence pursuant to the Yukon *Oil and Gas Act* and its regulations. At the time of issue of this Call, the relevant regulations (*Oil and Gas Licence Administration Regulations, Oil and Gas Geoscience Exploration Regulations, and Oil and Gas Drilling and Production Regulations*) were all in draft form. The Government of Yukon plans to enact the *Oil and Gas Licence Administration Regulations* and the *Oil and Gas Geoscience Exploration Regulations* in early February 2001.

The Government of Yukon is committed to administrative simplicity and efficiency and will, to the greatest extent possible, adhere to a streamlined one window licensing process and coordinate the review of oil and gas applications and submissions through one entity.

12.1 Requirements Relating to the Environment

Operators wishing to carry out activities will be required to comply with all Yukon requirements, and federal environmental requirements stemming from the *Canadian Environmental Assessment Act*, and other applicable legislation.

Specifically, companies may be required to conduct environmental impact assessments, including cumulative impact assessments of oil and gas development. These assessments may result in measures intended to maintain the habitat of the Porcupine Caribou herd; protect the integrity of watershed; and maintain tourism

values and the aesthetic appeal of the landscape.

The work season may be restricted to those months when the proposed type of activity will not have significant environmental impact on sensitive fish and mammal habitats, birds or other species and there may be conditions relating to drilling fluids and waste discharges.

Companies may be required to prepare site-specific environmental protection plans prior to the commencement of activity. These plans would describe the necessary procedures the operator would take to minimize any environmental impacts to sensitive fish and mammal habitats, birds or other species in the region.

12.2 Yukon Benefits Requirements

Companies applying for a licence may be required to conclude benefits agreements and shall adhere to the Yukon benefits requirements outlined in Attachment 3.

12.3 Heritage, Cultural, Archeological Requirements

Companies are advised that activity may be prohibited on identified cultural, historic, archeological, and burial sites. Companies applying for a licence will be required to conduct a heritage resource impact assessment to determine the location of heritage, cultural and archeological resources and possible impacts the proposed activity may have on them. A plan to mitigate such impacts may be required.

Dalglish Creek has been identified as a sensitive area from an environmental and heritage/cultural perspective. Activity in the proximity of the creek may be subject to restrictive conditions or it might be prohibited.

12.4 Socio-Economic Impact, Notification, and Compensation

Oil and gas operators will be required to assess the socio-economic impact of the proposed activity.

Operators will be required to consult with owners and occupants of land and others who will or may be adversely affected by operations to be conducted under authority of a proposed licence.

Operators will be expected to provide fair and equitable compensation, consistent with applicable territorial policies, to owners and occupants of land and others in the event of adverse impacts demonstrated to result from project-related activities.

12.5 Road and Surface Access

Companies planning to construct access roads will be required to obtain appropriate permits and licences.

12.6 Best Practices

Yukon is working to develop a code on “best practices”. In future, operators will be required to conduct operations based on such a code.

13. Permit

Any permit which may result from this Call for Bids will be issued pursuant to the Yukon *Oil and Gas Act* and the *Oil and Gas Disposition Regulations*.

**Call for Bids Schedule 1:
Parcel Available for 2001 Eagle Plain Call for Bids
Parcel Number 01**

QUAD	GRID AREA	SECTIONS
116I/2	66°-10'-136°-30'	1,11,21,31,41
116H/15	66°-00'-136°-30'	5-10,15-20,25-30,36-40,46-50,56-60,66-70,76-80
116H/15	66°-00'-136°-45'	6-10,16-20,26-30,36-40,46-49,56-58,66-68,76-78
116H/14	66°-00'-137°-00'	6,7*,16,17*,26,27*,36,37*,46,47*,56,57*,66,67*,76,77*
116H/14	66°-00'-137°-15'	6,7

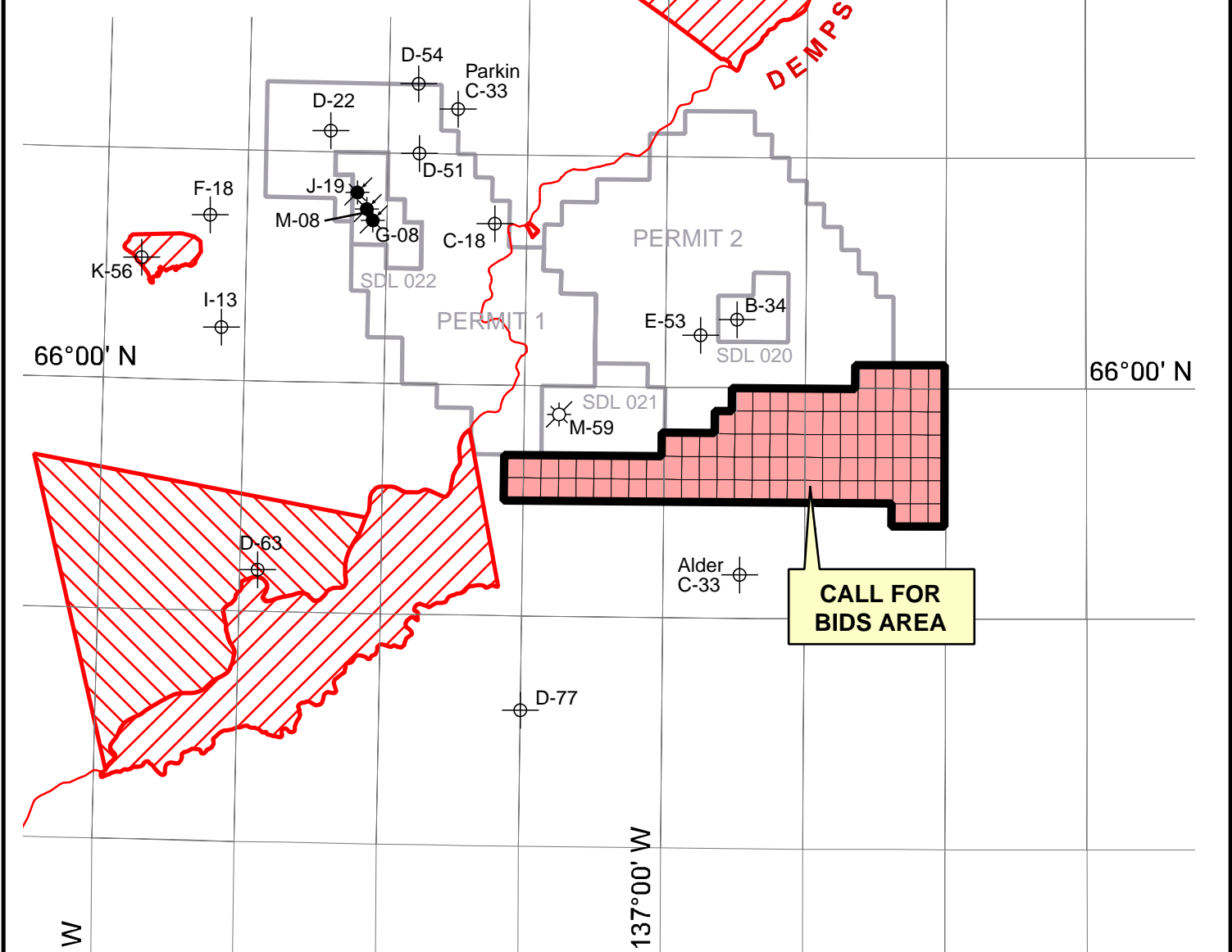
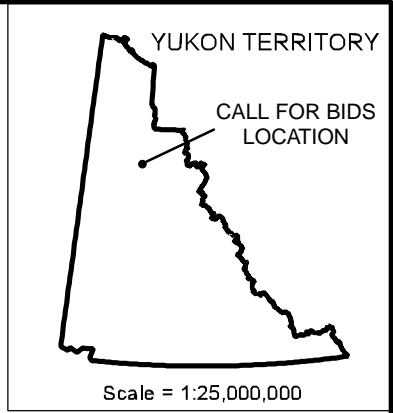
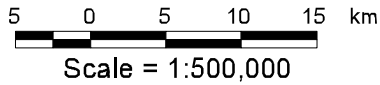
Total Sections = 99

Total Area = 26,130 hectares more or less.

* represents sections that are not complete sections due to a datum difference between grandfathered NAD'27 federal dispositions and the Yukon Government NAD'83 grid system for disposition issuance. The overlap in latitude is approximately 25 metres in the location of these dispositions.

**SCHEDULE 1:
YUKON CALL FOR BIDS #2
EAGLE PLAIN MAP**

-  Nominated Area
-  Oil & Gas Disposition
-  Vuntut Gwitchin First Nation R-Block
-  Tr'ondek Hwech'in First Nation R-Block
-  Road
-  Abandoned Well
-  Suspended Oil & Gas Well
-  Suspended Gas Well



DISPOSITION OWNERSHIP:
 Permits 1 & 2: Anderson Exploration
 SDL 020, 021, 022: Northern Cross & Chevron



FOR ILLUSTRATIVE PURPOSES ONLY

Call for Bids Attachment 1: BID SUBMISSION FORM

For Branch Use Only

DATE RECEIVED:

_ / _ / _
 y m d

CALL FOR BIDS:

BID LOCATION:

CLOSING DATE: _ / _ / _
 y m d

LAND SALE #:

TRACT #:

BID #:

CLIENT INFORMATION:

COMPANY REPRESENTATIVE: _____

COMPANY: _____

Address: _____

City, Province/Terr. _____

Postal Code: _____

Telephone: () _____

Fax: () _____

Email: _____

CLIENT ID #:

BID DETAILS:

AMOUNT OF WORK PROPOSAL SUBMITTED: \$
 (Minimum amount of \$1,000,000)

WORK DEPOSIT SUBMITTED: \$
 (25% of the Work Proposal Bid)

FORM OF DEPOSIT: Certified Cheque Bank Draft
 Money Order Other pre-approved form

If this bid is not accepted, the work deposit should be returned to:

COMPANY: _____

Address: _____

City, Province/Terr. _____

Postal Code: _____

Registered mail Courier collect other: _____

ACCEPTED?

If this bid is successful, please issue permit to:

_____ %

_____ %

_____ %

_____ %

SIGNED: _____

TITLE: _____

NAME: _____

DATE: _ / _ / _
 y m d

Call for Bids Attachment 2

Schedule of Allowable Expenditures

(note: claims may be subject to post audit)

Data Acquisition

Reflection seismic operations, including all costs relating to field acquisition, processing and interpretation:

2D surveys	\$15,000 per km
3D surveys	\$35,000 per sq. km
Participation surveys and group shoots as they relate specifically to evaluation of the Location.	At cost to the permittee, not to exceed the above rates, and subject to pre-approval.
Other geophysical and geological programs or portion thereof, as they relate specifically to evaluation of the Location, such as gravity, aeromagnetic, helicopter portable seismic surveys and geological field studies.	On a case by case basis requiring pre-approval.

Data Purchase

Purchase of gravity, digiseis, and magnetic surveys.	On a case by case basis requiring pre-approval.
Purchase of seismic data for re-interpretation.	\$750 per km
Purchase of seismic data for re-processing and re-interpretation.	\$1,500 per km

Studies

Geological, geochemical, paleontological and field environmental studies.	On a case by case basis requiring pre-approval.
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Drilling

Drilling operations while actively conducted. (This allowable expenditure includes all costs related to mobilization, demobilization, regional office and supervision, support vehicles, helicopters, etc.).	\$100,000 per day
---	-------------------

Overhead

Ten percent (10%) of the expenditures described above and allowed by the Minister pursuant to Section 2 of this Schedule, to cover head office, management, pre-program and post-program costs.

Call for Bids Attachment 3: Yukon Benefits Requirements

Companies engaged in exploration activity in Yukon are expected to follow the requirements outlined below.

Benefits, Employment and Training

Section 68 of the Yukon *Oil and Gas Act* states that no oil and gas activity shall be carried out under the authority of a licence unless there is in effect a benefits agreement. The following summarizes the main requirements of section 68 of the Act:

- Normally, the agreement is to be tripartite, between the licensee, the Minister on behalf of the Government, and the Yukon First Nation on whose settlement land or traditional territory the activity will be carried out. However, the following should be noted:
 - If the activity is to be carried out exclusively on Yukon oil and gas lands other than Category B Settlement Land, a benefits agreement executed by the licensee and the Minister will be deemed to be a benefits agreement if there has been full and fair consideration of the views presented by First Nations.
- The agreement is to contain undertakings by the licensee to provide to the First Nation and its citizens, local community residents, and other Yukoners affected by the activity opportunities for employment and training, and opportunities to supply goods and services to the licensee and contractors.
- The benefits are to be commensurate with the nature, scale, duration and cost of the work. Where work related to the oil and gas activity is not anticipated to entail costs in excess of \$1,000,000 (one million dollars) in any 12-month period a benefits agreement is not required.
- The agreement may cover activities to be carried out under two or more licences.
- The requirement for an agreement may be waived under some circumstances.

Arbitration

If the activity is to be carried out exclusively on Category B Settlement Land and the parties are unable to agree on the contents of a benefits agreement, any party may submit the matter to arbitration and the arbitrator's award will be deemed to be a benefits agreement.

Consultation

A company will be expected to provide appropriate information concerning its exploration programs to concerned individuals, groups and communities in Yukon. Exchanging relevant information in a timely fashion will enable the company to assess the potential local economic and employment opportunities.

Reporting

As determined by the Division Head, a company will be required to report on its progress in achieving the benefits requirements.

Yukon Oil and Gas Disposition #2

2001 Eagle Plain Call for Bids

Result of Bids

Work expenditure bid	\$ 2,889,889.00
Work deposit	\$ 722,472.25
Issuance fee	\$ 500.00
Winning Bidder	Anderson Resources Ltd.

Location and Description of Parcel

The attached map shows the location of the parcel. The parcel occupies an area near 66 degrees north latitude and 137 degrees west longitude just south of the Arctic Circle.

The parcel consists of 99 sections with an area of 26,130 hectares. Physical access is by the Dempster Highway, about 300 kilometers north of Dawson City.

First Nation Lands

The nominated parcel lies entirely within the traditional territory of the Nacho Nyak Dun First Nation, and partially within the traditional territory of the Vuntut Gwitchin. The nominated parcel also lies within the primary and secondary use area of the Tetlit Gwich'in First Nation.

Towns and Inhabited Areas

There are no towns or permanently inhabited areas within the parcel. The closest permanent settlement is at Eagle Plains, approximately 85 kilometres to the north on the Dempster Highway.

Ecozone

The parcel is within the Eagle Plain Ecoregion of the Taiga Cordillera Ecozone. For information on the ecoregions of Yukon see *Wild Spaces, Protected Places: A Protected Areas Strategy for the Yukon*, Department of Renewable Resources, December 1998.

Rivers and Lakes

DalGLISH Creek and Enterprise Creek flow through the parcel. The Peel River lies several kilometres to the south of the parcel. There are no major lakes within the parcel.

Resource Assessments

A resource assessment of the entire Eagle Plain Basin was completed in 1994 by the National Energy Board, identifying the potential for 83.7 Bcf of gas and 11.1 million barrels of oil (NEB, 1994).

Oil and Gas Dispositions

In 1999 two Yukon permits were issued to Anderson Resources Ltd. They are:

- Permit 0001
- Permit 0002

In addition, there are three Significant Discovery Licenses (SDL) in the vicinity. Listed from east to west, they are:

- SDL 020
- SDL 021
- SDL 022

Interests in these SDLs is variously held by Northern Cross Ltd. and Chevron Canada Ltd.

Oil and Gas Activity in Eagle Plain

Since the discovery of oil and gas in the Chance M-08 well in 1960, 22 wells have been drilled in this part of Eagle Plain. Most wells have been located on surface anticlines that were further delineated by seismic.

Appendices

Map of winning bid location