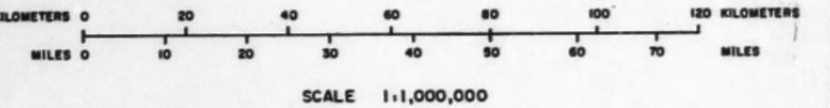


NORTH SHEET
HYDROCARBON EVALUATION

9230-V2-1P 41

HYDROCARBON POTENTIAL EVALUATION
OF
OIL AND GAS RIGHTS
IN THE
1982 MACKENZIE BASIN
CANADA LANDS EXPLORATION PROGRAM

MAINLAND YUKON AND N.W.T.



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LEGEND

- Geologic Evaluation Project Outline
- E.A.P. No. 1981
Exploration Agreement
indicating number, applicant
and year of application.
- 1981
Exploratory Permit
indicating Permit Number,
Permittee and year of issue.
- Grid area or fractional part
in which Lessee has been
selected from Exploratory
Permit.

EXPLANATORY NOTE

This map presents an evaluation of the relative hydrocarbon potential and prospectiveness of each grid area or portion thereof where a Lease, Exploratory Permit or Exploration Agreement exists on Canada Lands (as best could be determined) within the project area.

The designation and identification of the Lessee, Permit and Exploration Agreements were adapted from information available from commercial sources as of early April, 1982. Discussion with officials of the Canada Oil and Gas Lands Administration indicates that many of the Lessees shown will revert to the grid area of the original Exploratory Permit and be converted to Exploration Agreements through negotiation with leaseholders. Similarly, many of the indicated Exploratory Permits will also be converted to Exploration Agreements.

In order to keep the hydrocarbon prospectiveness rating classification within reasonable limits, it should be realized that the assigned rating for an individual grid area or portion thereof does not imply that all of the defining criteria necessarily can be applied. Rather, the evaluation attempts to present the best possible fit to the many stratigraphic and structural variables that can exist within a grid area, which can range in size from 25,600 ha at lat. 60° N. to 17,125 ha at lat. 70° N.

HYDROCARBON PROSPECTIVENESS RATING LEGEND

- VERY HIGHLY PROSPECTIVE:**
 - One or more potential reservoirs buried beneath more than 500 m of sedimentary cover.
 - Favorable facies and porosity anticipated.
 - Very favorable structural position.
 - Data base suggests presence of drillable prospects.
- HIGHLY PROSPECTIVE:**
 - At least one potential reservoir buried beneath more than 500 m of sedimentary cover.
 - Favorable facies and porosity anticipated.
 - Favorable structural position.
 - Delineation of drillable prospects requires further confirmation by additional geophysical/geologic exploration techniques.
- MARGINALLY PROSPECTIVE:**
 - One or more potential reservoirs buried beneath more than 500 m of sedimentary cover.
 - Favorable facies and porosity possible but uncertain or unknown.
 - Moderate structural position.
 - Determination of prospects requires additional geologic and geophysical control.
- NONPROSPECTIVE:**
 - At least one potential reservoir buried beneath 500 m of sedimentary cover.
 - Favorable facies and porosity unlikely or unknown.
 - Unfavorable or uncertain/unknown structural position.
 - Determination of prospects requires additional geologic and geophysical control.
- NONPROSPECTIVE:**
 - Potential reservoirs absent or breached and exposed at surface or buried by less than 100 m of sedimentary cover.

EVALUATION EXAMPLES

- Hydrocarbon Prospectiveness Rating (see Legend for number classification)
Note: Indicates "Regional" Rating. Evaluation based on regional considerations where available geotechnical data base permits detailed evaluation of local prospects and hydrocarbon potential within the grid area.
- Grid area, or fractional part in which Lessee has been selected from Exploratory Permit.
- Hydrocarbon Prospectiveness Rating
Note: Indicates "Local" Rating where rating number is surrounded by a circle:
Evaluation based on local considerations where available geotechnical data base permits detailed evaluation of hydrocarbon potential and prospectiveness within the grid area.
- If Hydrocarbon Prospectiveness Rating Number is followed by a letter, it indicates a grid area in which a well or wells have been drilled as classified below:
 - A. Designates a grid area in which a well has been drilled that discovered hydrocarbons and is listed as a producing or suspended oil and/or gas well.
 - B. Designates a grid area in which a well has been drilled and is dry and abandoned. However, the total depth drilled indicates that one or more potential reservoirs were not penetrated and could be anticipated at depth.
 - C. Designates a grid area in which a well has been drilled and indicated as dry and abandoned. The well apparently penetrated all known potential reservoirs.

