

*Chris***F A X C O V E R S H E E T**

TO: Terry Baker (Chief Conservation Officer)
COMPANY: National Energy Board
PHONE: (403) 299-2792
FAX: (403) 292-5876

FROM: Geoff Ireland
COMPANY: Northrock Resources Ltd.
PHONE: (403) 213-7442
FAX: (403) 213-7525

DATE: January 04 /2000

**Pages including
this cover page:** 13

Comments:

Daily Reports

CONFIDENTIAL

National Energy
Board



Office national
de l'énergie

File: WID# 1886
December 22, 1999

1879

Mr. W. T. Logan
NL Fisher Supervision & Engineering Ltd.
326, 510-5th Street S.W.
Calgary, Alberta
T2P 3S2

Attention: Mr. Logan

**Authority to Drill a Well for:
Northrock et al Fall Stone F-01**

Thank you for your letter dated November 19, 1999 regarding Northrock Resources Ltd.'s submission for the drilling of the subject well. Please note that the well name has been changed from "W. Fallstone" to "Fall Stone".

Please find attached an approved copy of an "Authority to Drill a Well" for the proposed well Northrock et al Fall Stone F-01 pursuant to subsection 83(1) of the *Canada Oil and Gas Drilling Regulations*.

As for the well Northrock et al East Mackay I-77, fluids from any testing operations from Northrock et al Fall Stone F-01 may be transported to Imperial Oil Resources Limited Norman Wells facility for process and disposal. A separate application as per section 5.6 of the *Canada Oil and Gas Operations Act* would be required prior testing is required and further, that Northrock Resources Ltd. would be required to submit 1% royalty to the Crown.

Attached please find conditions that are applicable to the proposed F-01 drilling and completion program. If you have any additional questions please contact Chris Knoechel at 299-3866.

Yours sincerely,

T. M. Baker
Chief Conservation Officer

cc: J. McCarthy
M. Fortier
R. Bergman
R. Fisher

444 Seventh Avenue SW
Calgary, Alberta T2P 0X8

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

Canada

Telephone/Téléphone : (403) 292-4800
Facsimile/Télocopieur : (403) 292-5503
<http://www.neb.gc.ca>

ATTACHMENT 1

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1. A copy of the *Canada Oil and Gas Drilling Regulations* and the *Oil and Gas Occupational Safety and Health Regulations* is to be available to all individuals at the drill and camp site. The Authority to Drill a Well is to be displayed at a prominent place on the drill site.
2. Canned samples are to be taken from surface casing to total depth.
3. Please note press releases are to be in accordance with section 185 of the *Canada Oil and Gas Drilling Regulations*.
4. Update contact list as found on page 17 of section 9 as found on page 2 of this attachment.
5. Total Depth of this well is 1400m. Drilling deeper than 1400m would require the specific approval of the Chief Conservation Officer for waiver of section 70 of the *Canada Oil and Gas Drilling Regulations*.
6. Copies of all information and analyses collected are to be supplied to the Chief Conservation Officer. This includes all logs run, all drill chips samples, any core and fluid samples collected, any descriptions and analyses performed on any core, chip and fluid samples and any pressure and temperature information collected. Actual samples collected are to be submitted to the attention of the Curations Officer at the Geological Survey of Canada - Calgary.
7. Geological reports are to be submitted daily which include sample descriptions, strip logs and gas detection readings.
8. Daily drilling reports are to be faxed to the attention of the Chief Conservation Officer no later than 8:30 am. (fax number (403) 292-5876).
9. Northrock Resources Ltd. is to provide immediate copies of any log run as well as 2 copies of all final prints and digital files in LASII format of all logs run.
10. As per section 122 of the *Canada Oil and Gas Drilling Regulations*, Formation Leak-Off Tests are to be conducted after the drilling out of surface casing shoe. A plot of the Formation Leak-Off Test are to be faxed along with the accompanying daily drilling report.
11. Northrock Resources Ltd. is to follow the requirements of sections 13.7 and 13.16 of the *Oil and Gas Occupational Safety and Health Regulations*.

ATTACHMENT 1

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NATIONAL ENERGY BOARD Contacts

	<u>Telephone Number</u>
Rick Fisher, Drilling Inspector, Conservation & Safety Officer Home: (403) 220-0893	Office: (403) 299-2798
Chris Knoechel, Conservation & Safety Officer Home: (403) 241-0047	Office: (403) 299-3866
Andrew Graw, Conservation & Safety Officer Home: (403) 547-3073	Office: (403) 299-2790
Rick Turner, Operations Inspector, Conservation & Safety Officer Home: (403) 257-0840	Office: (403) 299-3868
Terry Baker, Chief Conservation Officer Home: (403) 239-5032	Office: (403) 299-2792
John McCarthy, Chief Safety Officer Home: (403) 240-2354	Office: (403) 299-2766
Calgary Main Office	(403) 292-4800

Phone calls are to be directed to person at top of this listing; if unable to establish contact the next person on the list should be contacted.

SPILL REPORTING - 24 HOUR SPILL LINE:	(867) 920- 8130
Bruce Moores, Sr. Environment Officer Home: (403) 201-3765	Office: (403) 299-3926