

OIL AND GAS COMMISSION

October 12, 2007

9000-8285-59240-15

Murray D. Weatherhead, P.Eng. Sr. Engineer Unconventional Resources Devon ARL Corporation $2000, 400 - 3^{rd}$ Avenue S.W. Calgary, Alberta T2P 4H2

Dear Mr. Weatherhead:

RE: EXPERIMENTAL SCHEME APPROVAL KOMIE AREA – HORN RIVER FORMATION

The Commission has reviewed your application received August 27, 2007 requesting experimental scheme approval to explore, develop, evaluate and test the shale gas potential of the Devonian shale sequence, specifically the Muskwa, Otter Park, Klua and Evie formations, in the Komie area in northeast British Columbia.

For ease and consistency of terminology, the four shale formations under application (Muskwa, Otter Park, Klua and Evie) as a group will be referred to as the Horn River formation. At this time there is limited information available for the shale gas potential in the Horn River formation in the subject area. Accordingly, the scheme is considered experimental, as it requires ongoing research as to drilling, completion and production methodology. Attached is Approval 07-15-009 granted under section 100 of the <u>Petroleum and Natural Gas Act</u>. No objections were received following the posting of a notice of your application on the OGC website.

In accordance with section 57 of the *Drilling & Production Regulation* all well reports and well data will be held confidential for a period of 3 years after the date of release of the drilling rig for a well forming part of this experimental scheme.

Please note that progress reports, as specified in item 5 of the approvals, must be submitted on an annual basis with the first one due on the first anniversary of the commencement date.

Sincerely,

Richard Slocomb, P.Eng. Supervisor, Reservoir Engineering Resource Conservation

Attachments

APPROVAL 07-15-009

THE PROVINCE OF BRITISH COLUMBIA <u>PETROLEUM AND NATURAL GAS ACT</u> OIL AND GAS COMMISSION

IN THE MATTER of the experimental scheme of Devon ARL Corporation (Operator) to test the commercial viability of Horn River shale gas in the Komie area of NE British Columbia.

NOW THEREFORE, the Commission, pursuant to section 100 of the <u>Petroleum and Natural Gas</u> <u>Act</u>, R.S.B.C. 1996, c.361, hereby orders as follows:

- 1. The experimental scheme for the exploration and development of Horn River shale gas in the Komie area, as such proposal is described in the application to the Commission received August 27, 2007 is hereby approved, subject to terms and conditions herein contained.
- 2. The area of the experimental scheme consists of:

94-O-8 Block F – unit 91 Block G – units 94-100 Block J – units 4-10, 14-20, 24-30 Block K – units 1, 11, and 21.

- 3. The gas wells within the scheme area may be produced without individual well allowable restrictions.
- 4. The requirements of Section 10 of the *Drilling and Production Regulation* are hereby waived, provided that gas wells within the project area are not completed nearer than 250 m to the sides of the approved project area.
- 5. The Operator must submit a progress report to the Commission annually. The progress report is due within 60 days after the end of each period and must contain:
 - a) the daily average rate of gas and water produced during each month for each producing well, and for the scheme as a whole,
 - b) the monthly cumulative gas and water production from each producing well, and for the scheme as a whole,
 - c) details of any workover or fracture treatment program done on any of the wells with results of the workovers or fracture treatment,
 - d) an evaluation of bottom hole pressures and any other data collected,
 - e) representative sample analysis of produced gas and water,
 - f) a discussion of the overall performance of the scheme,
 - g) any other information that is considered necessary, in the opinion of the Commission, to evaluate the progress, performance and efficiency of the scheme.

APPROVAL 07-15-009

- 6. The operations of the experimental scheme will be subject to review by the Commission. The Director, Resource Conservation or the Director, Operations Engineering, may issue guidelines regarding the operations of the scheme.
- 7. The Operator of the scheme shall complete operations as set out in the proposed program described in the application from Devon to the Commission dated August 27, 2007.
- 8. The approval or any condition of it may be modified or rescinded, if deemed appropriate.

Richard Slocomb, P.Eng. Supervisor, Reservoir Engineering Resource Conservation

DATED AT the City of Victoria, in the Province of British Columbia, this 12th day of October 2007.