

ALBERTA ENERGY AND UTILITIES BOARD

IN THE MATTER OF THE *ALBERTA ENERGY AND UTILITIES BOARD ACT*, R.S.A. 2000, Chapter A-17; the *ENERGY RESOURCES CONSERVATION ACT*, R.S.A. 2000, Chapter E-10; the *OIL AND GAS CONSERVATION ACT*, R.S.A. 2000, Chapter O-7; and section 3 of the *OIL SANDS CONSERVATION REGULATION*, AR 76/88.

AND IN THE MATTER OF THE FOLLOWING APPLICATIONS:

NUMBER 1394112 (application for approval to produce gas, EnCana Oil & Gas Partnership);

NUMBER 1409180 (application to shut in gas production, Canadian Natural Resources Ltd.); and

NUMBER 1481725 (application to shut in and not allow gas production, Husky Oil Operations Limited).

SHUT-IN ORDER 07-001

WHEREAS on April 4, 2006, the Alberta Energy and Utilities Board (Board/EUB) issued *Bulletin 2006-14: Bitumen Conservation: Cold Lake Oil Sands Area – Clearwater Deposit, and Peace River Oil Sands Area – Bluesky-Gathering Deposit*, in which it stated that it would conduct a hearing to consider Application No. 394112 by EnCana Oil & Gas Partnership (EnCana) to produce Clearwater Formation (Clearwater) gas from one well in the Cold Lake Oil Sands Area, and Application No. 1409180 by Canadian Natural Resources Limited (CNRL) to shut in Clearwater gas production from twenty wells (subsequently amended to eighteen wells) in the Cold Lake Oil Sands Area;

AND WHEREAS on October 3, 2006, Husky Oil Operations Limited (Husky) filed Application No. 1481725 to shut in Clearwater gas production from ten wells (subsequently amended to shut in Clearwater gas production from twenty-four wells and to not allow Clearwater gas production from thirteen wells) in the Cold Lake Oil Sands Area, and the Board directed that Husky's application be joined with the EnCana and CNRL applications;

AND WHEREAS on February 20, 2007, the Board convened a public hearing of the said applications;

AND WHEREAS on July 24, 2007, the Board issued Decision 2007-056, with respect to the said applications.

THEREFORE it is ordered that:

1. The licensees of the wells listed in Table 1 attached to this Order, or their respective successors, shall shut in or cause to remain shut in (as the case may be), the particular Clearwater intervals listed in Table 1, effective the 1st day of September, 2007.
2. In overlapping gas pools, where one pool is allowed to produce and another pool or other pools are required to be or remain shut in, the pools must be segregated in all the wellbores that encounter a pool that is allowed to produce. Zonal segregation tests demonstrating segregation in the wellbores shall be conducted and submitted to the Board in accordance with subsections 11.150(1) and (2) of the *Oil and Gas Conservation Regulations*. If segregation between pools in all the wellbores is not achieved or is not demonstrated by zonal segregation tests that are submitted to the Board, then all pools encountered by the wellbores must be or must remain shut in (as the case may be).
3. This Order supersedes any previously issued orders or approvals respecting commingled production of Clearwater gas from the intervals listed in Table 1.

Made at the City of Calgary, in the Province of Alberta, this 24th day of July, 2007.

**ALBERTA ENERGY
AND UTILITIES BOARD**

Original signed by

J. D. Dilay, P. Eng.

Table 1 Order 07-001

Field	Pool	Unique Well Identifier	Board Pay Top Depth (TVD)	Board Pay Base Depth (TVD)	Licensee
Fisher	Clearwater A	AA/11-15-067-05W4	446.5	447.5	Canadian Natural Resources Limited
Fisher	Clearwater A	AA/01-22-067-05W4	451.0	452.5	Canadian Natural Resources Limited
Fisher	Clearwater A	00/10-22-067-05W4	447.9	452.5	Canadian Natural Resources Limited
Fisher	Clearwater B	00/15-16-069-04W4	458.0	458.4	EnCana Corporation
Fisher	Clearwater B	00/06-17-069-04W4	444.9	447.8	EnCana Corporation
Fisher	Clearwater B	AA/04-18-069-04W4	437.0	437.6	Husky Oil Operations Limited
Fisher	Clearwater B	00/06-19-069-04W4	440.8	443.6	EnCana Corporation
Fisher	Clearwater B	00/06-20-069-04W4	452.3	457.3	EnCana Corporation
Fisher	Clearwater B	00/05-21-069-04W4	443.3	451.0	EnCana Corporation
Fisher	Clearwater B	00/06-28-069-04W4	423.2	434.5	EnCana Oil & Gas Co. Ltd.
Fisher	Clearwater B	00/05-29-069-04W4	435.0	443.0	EnCana Corporation
Fisher	Clearwater B	00/14-30-069-04W4	437.6	446.2	EnCana Oil & Gas Co. Ltd.
Fisher	Clearwater B	00/04-31-069-04W4	439.6	446.0	EnCana FCCL Oil Sands Ltd.
Fisher	Clearwater B	00/07-31-069-04W4	435.7	446.0	EnCana FCCL Oil Sands Ltd.
Fisher	Clearwater B	00/09-31-069-04W4	437.4	447.0	EnCana Oil & Gas Co. Ltd.
Fisher	Clearwater B	02/09-31-069-04W4	435.3	444.0	EnCana Oil & Gas Co. Ltd.
Fisher	Clearwater B	03/09-31-069-04W4	438.0	446.6	EnCana Oil & Gas Co. Ltd.
Fisher	Clearwater B	00/06-32-069-04W4	430.0	441.3	EnCana Corporation
Fisher	Clearwater B	02/06-32-069-04W4	425.5	436.0	EnCana Oil & Gas Co. Ltd.
Fisher	Clearwater B	00/13-32-069-04W4	425.6	437.0	EnCana Oil & Gas Co. Ltd.
Fisher	Clearwater B	05/13-32-069-04W4	431.4	443.0	EnCana Oil & Gas Co. Ltd.
Fisher	Clearwater B	02/10-35-069-05W4	435.0	437.0	EnCana Corporation
Fisher	Clearwater B	00/05-36-069-05W4	433.0	436.0	EnCana Oil & Gas Co. Ltd.
Fisher	Clearwater B	00/08-36-069-05W4	441.3	442.6	EnCana Corporation
Fisher	Clearwater B	00/12-04-070-04W4	427.8	429.5	EnCana FCCL Oil Sands Ltd.
Fisher	Clearwater B	00/03-05-070-04W4	429.3	438.0	EnCana Oil & Gas Co. Ltd.
Fisher	Clearwater B	00/04-05-070-04W4	429.3	435.6	EnCana Oil & Gas Co. Ltd.
Fisher	Clearwater B	04/04-05-070-04W4	427.0	432.0	EnCana Corporation
Fisher	Clearwater B	00/10-06-070-04W4	428.5	442.3	EnCana Corporation
Fisher	Clearwater B	02/10-06-070-04W4	428.3	442.0	EnCana Corporation
Fisher	Clearwater B	00/06-02-070-05W4	441.2	446.2	EnCana Corporation
Fisher	Clearwater B	00/06-12-070-05W4	433.5	443.8	EnCana Corporation
Fisher	Clearwater B	02/06-12-070-05W4	434.0	443.4	EnCana Corporation
Fisher	Clearwater B	00/06-13-070-05W4	431.7	432.4	EnCana Oil & Gas Co. Ltd.
Fisher	Clearwater B	00/11-13-070-05W4	423.0	424.0	EnCana Oil & Gas Co. Ltd.
Fisher	Clearwater B	00/12-13-070-05W4	430.5	431.0	EnCana Oil & Gas Co. Ltd.
Fisher	Clearwater B	00/14-13-070-05W4	424.0	424.5	EnCana FCCL Oil Sands Ltd.
Fisher	Clearwater B	02/14-13-070-05W4	430.8	431.3	EnCana Oil & Gas Co. Ltd.
Fisher	Clearwater B	00/16-13-070-05W4	430.2	430.4	EnCana Corporation
Fisher	Clearwater B	00/05-14-070-05W4	425.0	429.8	EnCana Oil & Gas Co. Ltd.
Fisher	Clearwater B	00/07-14-070-05W4	430.5	432.0	EnCana Corporation
Fisher	Clearwater B	00/13-14-070-05W4	424.2	428.0	EnCana Oil & Gas Co. Ltd.
Fisher	Clearwater CC	00/13-27-068-05W4	461.5	463.2	EnCana Corporation
Fisher	Clearwater CC	00/16-28-068-05W4	452.7	454.7	EnCana Oil & Gas Co. Ltd.
Fisher	Clearwater CC	02/16-28-068-05W4	453.3	455.9	EnCana Oil & Gas Co. Ltd.
Fisher	Clearwater CC	00/11-33-068-05W4	450.5	453.2	EnCana Corporation
Fisher	Clearwater E	00/07-31-067-03W4	435.1	441.5	EnCana Corporation
Fisher	Clearwater E	02/07/31/067/03W4	433.2	438.4	EnCana Oil & Gas Co. Ltd.
Fisher	Clearwater E	00/06-32-067-03W4	434.5	439.0	EnCana Oil & Gas Co. Ltd.
Fisher	Clearwater E	00/09-25-067-04W4	435.2	435.5	Canadian Natural Resources Limited
Fisher	Clearwater E	00/11-06-068-03W4	454.3	458.3	EnCana Oil & Gas Co. Ltd.
Fisher	Clearwater E	00/05-18-068-03W4	489.0	492.4	EnCana Oil & Gas Co. Ltd.
Fisher	Clearwater E	00/12-19-068-03W4	492.5	493.0	EnCana Oil & Gas Co. Ltd.
Fisher	Clearwater E	AA/09-01-068-04W4	460.0	463.9	Canadian Natural Resources Limited
Fisher	Clearwater E	AA/15-01-068-04W4	461.7	462.5	Canadian Natural Resources Limited

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Field	Pool	Unique Well Identifier	Board Pay Top Depth (TVD)	Board Pay Base Depth (TVD)	Licensee
Fisher	Clearwater E	AA/08-12-068-04W4	471.8	476.3	Canadian Natural Resources Limited
Fisher	Clearwater E	00/16-12-068-04W4	481.0	483.0	EnCana Oil & Gas Co. Ltd.
Fisher	Clearwater E	AA/04-13-068-04W4	481.5	483.5	Canadian Natural Resources Limited
Fisher	Clearwater E	00/07-13-068-04W4	474.0	479.0	Canadian Natural Resources Limited
Fisher	Clearwater E	00/08-13-068-04W4	480.0	482.0	EnCana Oil & Gas Co. Ltd.
Fisher	Clearwater E	AA/10-14-068-04W4	472.5	476.0	Canadian Natural Resources Limited
Fisher	Clearwater E	AA/07-23-068-04W4	488.8	490.0	Canadian Natural Resources Limited
Fisher	Clearwater E	00/09-23-068-04W4	492.0	492.6	EnCana Oil & Gas Co. Ltd.
Fisher	Clearwater E	00/02-24-068-04W4	481.8	486.0	EnCana Corporation
Fisher	Clearwater E	02/02-24-068-04W4	481.5	485.7	EnCana Corporation
Fisher	Clearwater E	AA/04-24-068-04W4	474.0	480.0	Canadian Natural Resources Limited
Fisher	Clearwater E	00/14-24-068-04W4	489.8	492.0	EnCana Oil & Gas Co. Ltd.
Fisher	Clearwater E	00/03-25-068-04W4	486.6	489.0	EnCana Oil & Gas Co. Ltd.
Fisher	Clearwater E	00/10-26-068-04W4	491.4	494.9	EnCana Corporation
Fisher	Clearwater E	00/10-33-068-04W4	485.0	489.3	Canadian Natural Resources Limited
Fisher	Clearwater E	02/10-33-068-04W4	476.2	480.2	Canadian Natural Resources Limited
Fisher	Clearwater E	AA/14-33-068-04W4	484.5	487.0	Canadian Natural Resources Limited
Fisher	Clearwater E	00/10-35-068-04W4	489.3	490.0	EnCana Oil & Gas Co. Ltd.
Fisher	Clearwater E	00/05-02-069-04W4	496.8	500.0	EnCana Corporation
Fisher	Clearwater E	00/05-03-069-04W4	498.4	500.0	EnCana Corporation
Fisher	Clearwater E	00/08-03-069-04W4	494.0	498.6	EnCana Oil & Gas Co. Ltd.
Fisher	Clearwater E	03/08-03-069-04W4	495.5	500.0	EnCana Oil & Gas Co. Ltd.
Fisher	Clearwater E	00/03-04-069-04W4	489.5	492.8	Husky Oil Operations Limited
Fisher	Clearwater E	00/07-09-069-04W4	497.5	502.0	EnCana Oil & Gas Co. Ltd.
Fisher	Clearwater E	00/05-10-069-04W4	500.2	503.0	EnCana Corporation
Fisher	Clearwater E	02/05-10-069-04W4	500.5	503.5	EnCana Corporation
Fisher	Clearwater G	00/07-19-069-05W4	456.0	456.5	EnCana Oil & Gas Co. Ltd.
Fisher	Clearwater G	00/06-20-069-05W4	445.0	447.7	EnCana Corporation
Fisher	Clearwater PP	00/10-22-067-05W4	459.0	461.5	Canadian Natural Resources Limited
Fisher	Clearwater S	02/14-09-070-05W4	431.0	431.5	EnCana Corporation
Fisher	Clearwater S	00/06-15-070-05W4	433.2	433.7	EnCana FCCL Oil Sands Ltd.
Fisher	Clearwater S	00/13-15-070-05W4	421.5	425.2	EnCana Oil & Gas Co. Ltd.
Fisher	Clearwater S	00/05-16-070-05W4	425.0	427.5	EnCana Oil & Gas Co. Ltd.
Fisher	Clearwater S	00/06-17-070-05W4	433.0	433.4	EnCana Corporation
Fisher	Clearwater S	00/15-17-070-05W4	428.5	432.0	EnCana Corporation
Fisher	Clearwater S	00/02-18-070-05W4	423.5	424.2	EnCana Corporation
Fisher	Clearwater S	00/07-20-070-05W4	437.0	438.3	EnCana Corporation
Fisher	Clearwater S	00/01-21-070-05W4	419.0	426.0	EnCana FCCL Oil Sands Ltd.
Fisher	Clearwater S	00/06-21-070-05W4	415.8	426.0	EnCana Corporation
Fisher	Clearwater S	00/05-22-070-05W4	422.4	423.6	EnCana Oil & Gas Co. Ltd.
Fisher	Clearwater S	02/05-22-070-05W4	424.0	425.0	EnCana FCCL Oil Sands Ltd.
Fisher	Clearwater T	00/05-13-069-06W4	468.5	469.8	EnCana Oil & Gas Co. Ltd.
Fisher	Clearwater T	00/08-14-069-06W4	470.5	471.5	EnCana Oil & Gas Co. Ltd.
Fisher	Clearwater TT	00/03-11-070-06W4	436.5	439.2	EnCana Corporation
Fisher	Clearwater U/D 052	00/08-26-069-05W4	436.0	437.0	EnCana Corporation
Fisher	Clearwater U/D 093	00/07-31-068-04W4	479.3	481.0	Canadian Natural Resources Limited
Fisher	Clearwater U/D 093	AA/10-31-068-04W4	480.6	482.0	Canadian Natural Resources Limited
Fisher	Clearwater U/D 093	00/14-31-068-04W4	474.0	474.6	EnCana Corporation
Fisher	Clearwater U/D 093	AA/14-31-068-04W4	474.7	475.3	Canadian Natural Resources Limited
Moore	Clearwater B	00/09-05-068-03W4	470.0	470.5	EnCana Corporation
Moore	Clearwater B	00/08-07-068-03W4	490.3	491.3	EnCana Oil & Gas Co. Ltd.
Moore	Clearwater B	00/10-08-068-03W4	471.7	476.0	EnCana Corporation
Moore	Clearwater B	02/10-08-068-03W4	472.5	476.0	EnCana Corporation
Moore	Clearwater B	00/12-09-068-03W4	474.0	477.5	Canadian Natural Resources Limited
Moore	Clearwater B	02/12-09-068-03W4	475.0	478.0	Canadian Natural Resources Limited

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Field	Pool	Unique Well Identifier	Board Pay Top Depth (TVD)	Board Pay Base Depth (TVD)	Licensee
Moore	Clearwater B	00/05-15-068-03W4	491.0	498.0	EnCana Oil & Gas Co. Ltd.
Moore	Clearwater B	00/07-16-068-03W4	495.0	500.5	EnCana Corporation
Moore	Clearwater B	00/10-16-068-03W4	487.0	490.8	EnCana Oil & Gas Co. Ltd.
Moore	Clearwater B	00/05-17-068-03W4	483.7	485.0	EnCana Oil & Gas Co. Ltd.
Moore	Clearwater B	00/10-21-068-03W4	472.6	478.0	EnCana Corporation
Moore	Clearwater B	02/10-21-068-03W4	472.5	477.6	EnCana Corporation
Moore	Clearwater B	00/10-29-068-03W4	488.0	490.4	EnCana Corporation
Moore	Clearwater B	02/10-29-068-03W4	487.0	488.0	EnCana Oil & Gas Co. Ltd.
Moore	Clearwater B	00/15-29-068-03W4	485.0	487.5	EnCana Oil & Gas Co. Ltd.
Moore	Clearwater B	00/15-30-068-03W4	483.3	484.8	EnCana Oil & Gas Co. Ltd.
Moore	Clearwater B	00/06-31-068-03W4	482.8	483.6	EnCana Corporation
Moore	Clearwater B	00/10-31-068-03W4	484.0	485.0	EnCana Corporation