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VIA EMAIL & COURIER

Husky Oil Operations Limited
707 – 8th Avenue S.W.
Calgary, Alberta
T2P 3G7

Attention: Ms. Susan Anderson

Dear Madam:

**Re: Application Nos. 1394112 and 1409180
Cold Lake Oil Sands Area – Clearwater Deposit**

Attached please find the information requests of EnCana Oil and Gas Partnership to Husky Oil Operations Limited.

Yours very truly,

McCarthy Tétrault LLP

Original signed by

D. G. DAVIES

cc: Alberta Energy and Utilities Board
Attention: Mr. Ernie Smith

Alberta Energy and Utilities Board
Attention: Ms. Giuseppa Bentivegna

ALBERTA ENERGY AND UTILITIES BOARD

APPLICATION NOS. 1394112 and 1409180

COLD LAKE OIL SANDS AREA – CLEARWATER DEPOSITION

**Information Requests of EnCana Oil and Gas Partnership
to Husky Oil Operations Limited**

1. **Reference:** Item 2 of the submission refers to an experimental technology named HSAGD.

Request: (a) Has HSAGD been tested in the field? Has the test been in the proximity to a gas cap? What are the results of the test? What are the locations of the wells used in the test?

 (a) Has HSAGD been tested in a simulation model? Has the test been in the proximity to a gas cap? Please provide the results of the simulation model.

 (b) What is the well configuration and orientation of HSAGD? What is the relationship between SAGD and CSS wells in production and steam injection cycles and well placement/spacing? What steam rate, injection pressure, production drawdown and cycle duration is used?

2. **Reference:** Item 3 of the submission refers to calculated Original Bitumen In Place of 1.1 and 2.5 billion bbl.

Request: (a) Please provide all relevant maps and calculations to support these estimates including all cutoffs used to determine net pay and the source and assumptions for each item in the volumetric calculation.

 (b) Please provide Husky’s estimate of recoverable bitumen for each area of the proposed project including all applicable assumptions and data to support these recovery estimates.

3. **Reference:** Items 5, 6, and 7 and Figure 2 reference pressure data from pressure monitoring wells. For each of these wells please provide:
- Request:**
- (a) Copies of all well logs over the Clearwater formation if these logs are not currently in the public realm.
 - (a) Completion details including perforated intervals and the details of piezometer installations.
 - (b) Raw data for all pressure measurements, preferably in digital format (i.e. Excel) and calibration equations for all pressure measurement instruments.
4. **Reference:** In Items 5 and 6 Husky refers to pressures “below the initial reservoir pressure”.
- Request:** What is Husky’s estimate of the initial reservoir pressure in this area, at what datum was this determined, and how was it determined?
5. **Reference:** Husky refers to declining pressures in a number of wells but some of the individual pressure curves in Figure 2 appear to be rising.
- Request:** What is Husky’s interpretation of these increasing pressures?
6. **Reference:** In Item 8 Husky states it “ is concerned that the loss of solution gas due to lower reservoir pressure caused by nearby gas production will be sufficient to adversely impact the bitumen recovery obtained by HSAGD”.
- Request:** Please provide all the field tests, laboratory data and model studies relevant to the Clearwater bitumen on Husky leases that support this concern.