

Attachment B

MSL 083666 (RD3 Wellsite and Access Road)

Lands Division

Land Management Branch
3rd Floor, South Petroleum Plaza
9915 – 108 Street
Edmonton, Alberta
T5K 2G8

File No: MSL 083666
Phone: (780) 415-4654
Fax: (780) 427-1185

August 4, 2009

EnCana FCCL Oil Sands Ltd.
Suite 1800, 855 – 2nd Street SW
Calgary, Alberta
T2P 2S5

Attention: Deanna Miller, Land Department

Dear Sir/Madam:

**RE: Mineral Surface Lease Application No. MSL 083666
Pt. NW 34-076-03-W4M; W½ 3-077-03-W4M (±4.24 acres)
Wellsite (observation water well) and Access Road
Christina Lake Project
LETTER OF AUTHORITY**

Further to your application dated **December 17, 2008** and as amended **December 18, 2008**, this is to advise that the department has completed its review of your request.

Pursuant to Section 20 of the Public Lands Act, authority is hereby granted to enter upon those portions of vacant or other public lands for which you have obtained the occupant's consent, the approximate location of which is shown on the attached plan, for the purpose of a **wellsite and access road**, subject to the conditions in Schedule A, attached.

Based on the information supplied with your application, first year's charges for this authority are indicated below. Please remit this amount within 30 days. This account will be subject to a 12% interest charge if payment is not received within the time specified.

SCHEDULE A

MSL 083666

1. 006 **IN THIS DOCUMENT**, unless the context indicates otherwise:

"approval (of a departmental officer)" whenever required, must be in writing.

"authority" means: this document or the right to occupy public land granted by this document.

"department" means: Sustainable Resource Development
Lands Division
Petroleum Plaza, South Tower
9915 - 108 Street
Edmonton, Alberta T5K 2G8
Telephone: (780) 427-3570

"departmental officer" means: an employee of Sustainable Resource Development, Lands Division, responsible for the management of surface activity on the land.

"holder" means: the recipient of the right to occupy public land granted by this document.

"land(s)" means: the specific land which the holder is authorized to occupy by this document.

"minister" means: the Minister of Sustainable Resource Development.

payments required by this document are to be made payable to **"The Minister of Finance"** and may be delivered to the nearest Public Lands office, or mailed to:

Sustainable Resource Development
Lands Division
Main Floor, Petroleum Plaza, South Tower
9915 - 108 Street
Edmonton, Alberta T5K 2G8

- a) The holder shall comply with all relevant laws in the Province of Alberta.
- b) A copy of this authority shall be retained on the job site during all phases of your activity, including, if applicable, preparation, construction, development, maintenance and abandonment.

- h) The holder shall indemnify and save harmless the Department from any and all claims, actions, suits, or similar proceedings commenced by any competent regulatory body against the holder or the Department in connection with the activity or holder's use of the land, including without limitation the local municipality, any other department or agency of the Alberta Government or the Government of Canada.
- i) The holder shall maintain liability insurance with respect to the activity in an amount and form satisfactory to the Department, in its sole discretion. The holder shall provide certified copies of such insurance policies upon the request of the Minister.
- j) This authorization is granted subject to further amendment by the Minister of Sustainable Resource Development, or his designate, in his sole discretion.

2. 099 The holder shall contact and advise the departmental officer of its intentions:
- prior to entry upon the lands for a stated purpose,
 - prior to any additional construction during the term of this authority,
 - at the completion of operations or construction, and
 - upon abandonment of this activity.

Upon contact prior to initial entry on the land, the departmental officer shall issue a confirmation number that shall be maintained on file by the holder and be provided to the departmental officer on request.

**Lac La Biche Area
Lac La Biche Office
(780) 623-5240**

3. 177 This authorization is approved subject to the methods and environmental conditions outlined in the Environmental Field Report dated **March 24, 2009 (revised)**.

4. 062 The holder shall within 30 days provide to the department a written consent from the following occupant(s) who hold prior legal rights:

**Alberta-Pacific Forest Industries Inc.
c/o Evergreen Land Use Consulting
400-6th St SW
Calgary, AB T2P 1X2
Attention: Bill Hamilton**

Environmental Field Report (EFR) 3.0 Completion of Supplement A Sites and Installations

The cover document and the appropriate supplement form must be submitted for each surface disposition application. All blanks must either be filled in or 'N/A' noted where applicable. Failure to fill out the document and form(s) completely will result in the EFR being rejected.

New Revised

Date Submitted: 17-12-2008
dd/mm/yyyy

MSL Number _____

PIL Number: _____

Site/Project Name: Observation Water Disposal Wells 13-3-77-3

Legal land description: LSD 13 Sec 03 Twp 77 Rge 03 W 4

A. Site Description

1. Stability concerns: Yes No If 'Yes', explain mitigation: N/A

Questions 2, 3, 4 and 5 of section A apply to MSL only. The "Wellsite Spacing Recommendations" may be used as a guide <http://srd.alberta.ca/lands/formspublications/usingpublicland/default.aspx>.

2. Well type: Oil Sweet Gas Sour Gas (H²S) Coalbed Methane Single Well pad Multi-well pad

Other Observation water well

3. Well depth: 450m

4. Flare requirements for drilling: 50 m 35 m X 25 m N/A

Flare pit Flare tank Flare stack

5. Number of zones to be completed/produced N/A Inter-well spacing N/A m.

B. Vehicle/Equipment Access

How will the site be accessed? (Check boxes that apply)

By an existing access held under disposition or jurisdiction (specify name, disposition number, and owner):

New application (LOC)

New access included in this application.

Note: If access is part of the site and installation application, an access supplement must be submitted.

C. Contamination Prevention

3. Access required to water source? Yes No If 'Yes' attach a sketch.

F. Construction Strategy

1. Vegetation Removal

Explain: Land will be cleared in accordance with the *Timber Management Regulation* and the *Forest and Prairie Protection Act Regulations, Parts 1 and 2*. Vegetation removal activities will be scheduled during frozen ground conditions to minimize impacts on soil and wildlife.

2. Brush Disposal

Explain: Brush will be mulched, piled and burned in the areas stripped of topsoil, or spread, or chipped and spread, in areas where padding might be required for construction purposes.

3. Topsoil handling: (Check appropriate boxes) No stripping Minimum surface disturbance
 Stripping Single Lift Two Lift Other (Explain) _____

Additional details: No soil salvage is required. The drilling of the proposed observation water well will occur during frozen ground conditions and the access to the well will be winter access only.

4. Will padding of the wellsite be required? Yes No,

If 'Yes' Explain: N/A

G. Reclamation Strategy

Revegetation strategy: (Check appropriate boxes) Natural Recovery Native Seed
 Non-native Seed Other Tree and Shrub Planting _____

Interim: EnCana will adopt a natural recovery approach to re-vegetate, supplemented with tree and shrub planting where needed by using native species.

Production/Operation: No hydrocarbon production or operation of the proposed observation water well. The proposed well will be drilled for observation purposes and will be abandoned and reclaimed at the end of its production cycle

Applicable to MSL only

See Appendix III - Lease Description and Wellsite Sizing Information

Note: Complete and attach the lease description and wellsite sizing template (in the Appendix) if a non-standard wellsite is required as per the lease description and wellsite sizing document (see instructions).

Operating Condition

Contamination Prevention

136 In addition to complying with Federal, provincial and local laws and regulations respecting the environment, including release of substances, the holder shall, to the department's satisfaction, take necessary precautions to prevent contamination of land, water bodies and the air with

Environmental Field Report (EFR) 4.0 Supplement B - Access

The cover document and the appropriate supplement form must be submitted for each surface disposition application. All blanks must either be filled in or 'N/A' noted where applicable. Failure to fill out the document and form(s) completely will result in the EFR being rejected.

New Revised

Date Submitted 17-12-2008
dd/mm/yyyy

LOC Number _____

Legal land description: From: LSD 13 Sec 03 Twp 77 Rge 3 W4
To: LSD 13 Sec 34 Twp 76 Rge 3 W 4

Note: The Pre-disturbance Planning and Surface Access Management sections of the Public Lands Operational Handbook should be consulted when dealing with new access development, extensions or upgrading existing access. Before a road is approved, the applicant may be requested to present the advantages and disadvantages on any alternate proposals, the rationale for selecting a particular route and the trade-offs made.

A. Type of Access/Dimensions

1. Initial access width 8.0m and type of access:

- undeveloped dry
- undeveloped frozen
- dry weather
- all-weather (permanent)
- NA

Explain: Winter access only.

2. Final access width 8.0m as applied for and type of access:

- undeveloped dry
- undeveloped frozen
- dry weather
- all-weather (permanent)

Explain: The proposed winter access will not be permanent and will be reclaimed at the end of its production cycle.

Notes: For winter access it is recommended that existing seismic lines be used for initial access to a location. Widening of these lines should be minimized. Minimal widths for initial access are to be used wherever possible. Once a well or development is considered viable, the applicant generally plans to move to a wider ROW (e.g. 20m) for development of a high grade road. In this case, the 20m width can be applied for with the understanding there will be no additional clearing beyond the 8-10m width indicated until the development is proven viable.

If the entire ROW is cleared initially and then not required for the development, it will be treated as **Unauthorized** use of public land and appropriate enforcement action will be taken.

If electricity is required at a facility, the ROW must be planned to ensure the power line is located on the downwind side. This is required to maximize the tree-free area adjacent to the power lines, thus reducing the potential of falling trees hitting the power line and possibly starting a wildfire, as well as, cutting off power to the facility.

D. Construction Strategy

Plan attached (include all areas of existing clearing(s) and new clearing(s) to be used, and their dimensions)

1. Vegetation removal: Explain: The land will be cleared in accordance with the *Timber Management Regulation* and the *Forest and Prairie Protection Act Regulations, Parts 1 and 2*. Vegetation removal activities will be scheduled during frozen ground conditions to minimize impacts on soil and wildlife.

2. Brush disposal: Explain: Brush will be mulched, piled and burned in the areas stripped of topsoil, or spread, or chipped and spread, in areas where padding might be required for construction purposes.

3. Topsoil handling/Topsoil stripping width: (Check the appropriate boxes for initial and final access)

Minimal surface disturbance (no stripping)

Stripping **Single Lift** **Two Lift** **Other** N/A

Explain if more than one box has been checked. N/A

Additional details: No soil salvage is required. The drilling of the proposed observation water well will occur during frozen ground conditions and the access to the well will be winter access only.

E. Reclamation Strategy

Revegetation strategy: (Check appropriate boxes)

Natural recovery **Native seed** **Non-native seed** **Other** Tree and Shrub Planting

Interim: EnCana will adopt a natural recovery approach to re-vegetate, supplemented with tree and shrub planting using native species.

Production/Operation: No hydrocarbon production or operation of the proposed observation water well. The proposed well will be drilled for observation purposes and will be abandoned and reclaimed at the end of its production cycle.

Environmental Field Report (EFR) 2.0 Completion of EFR Cover Document For all Dispositions

The cover document and the appropriate supplement form must be submitted for each surface disposition application. All blanks must either be filled in or 'N/A' noted where applicable. Failure to fill out the document and form(s) completely will result in the EFR being rejected.

New Revised

Date Submitted 17-12-2008 Department Number _____

dd/mm/yyyy

Site/Project Name: ECA FCCL HARDY 13-3-77-3

A. Communications

1. Applicant: EnCana FCCL Oil Sands Ltd. – Christina Lake Thermal Project
2. Company contact person for EFR: Carolina Molina Phone: (403) 645-6323
3. E-mail: Carolina.molina@encana.com Cell Phone: (403) 816-2843
- 4.
5. Company representative who conducted the onsite assessment for the EFR:
Julie Carignan, Golder Associates Ltd.
6. Phone: (780) 743-4040 Cell Phone: (780) 598-7182
7. Fax: (780) 743-4237 E-mail: Julie.carignan@golder.com
8. Date of on-site assessment: 25/07/2008
dd/mm/yyyy

Note: SRD reserves the option to audit individual EFR's to ensure field visits have been conducted and information supplied is accurate.

B. Surface Location

LSD 13 Sec 3 Twp 077 Rge 03 W 4
LSD 12 Sec 3 Twp 077 Rge 03 W 4
LSD 5 Sec 3 Twp 077 Rge 03 W 4
LSD 5 Sec 3 Twp 077 Rge 03 W 4
LSD 13 Sec 34 Twp 076 Rge 03 W 4

1. Construction is proposed under the following soil conditions (check the box that applies):

- Frozen
- Non-Frozen
- Other (If "Other", explain)

N/A

If 'Yes', contact Forest Protection Division for additional hazard reduction requirements. Alberta SRD - Wildfires - FireSmart - Information & Projects

Lac La Biche (Wes Nimco)

- d. Follow the "Bear Smart" program to reduce bear-human conflicts and increase public stewardship of black and grizzly bears in Alberta by providing strategies, information and education materials to its staff and contractors.

4. Are Permanent/Research Sample Plots/Rangeland Benchmarks located within 100 m of the boundary of the lands under application? Yes No

If 'Yes', indicate the legal land description and GPS coordinates for each plot/benchmark in relation to the disposition boundary (degree, decimal, minutes).

Reservation No. N/A PSP/RSP No. N/A LSD N/A Sec N/A Twp N/A Rge N/A W N/A

Latitude N/A Longitude N/A Distance away N/A m

PSP's held by SRD appear as DRS or PNT reservations on the LSAS report. The forest industry also has sample plots, and if these are registered, they will appear as ISP's on the LSAS report. If the forest industry sample plots are not registered, they will not appear on the LSAS report. The proponent is responsible for determining if there are any PSP's or ISP's on the land under application. PSP's and ISP's must not be disturbed.

Stakeholders, Other Land Users

5. Is there potential impact on or conflict with stakeholders and other land users? Yes No

If "Yes" to either, please list and explain mitigation:

Alberta Pacific Forest Industries Ltd. will be contacted and consulted as per its Forest Management Agreement (FMA 9100029).

Paramount Energy Operating Corp. will be contacted and consulted as per its Annual Operating Agreement (AOA 060020).

Ida Herman will be contacted and consulted as per her Trapping disposition (TPA 616).

Meg Energy will be contacted and consulted for accessing proposed development area.

6. What actions have been taken to integrate this disposition with other existing/planned activities and resources to minimize the impacts on the land base? (Check appropriate boxes.)

Not applicable

Use common corridor

Parallel existing clearing/right of way

Use existing clearing/right of way

Other Use shortest path for access

Explain: The proposed developments will minimize the impacts on the land base by using the most suitable location for the observation water well, in addition to using the shortest path to access the well and by using existing licensed rights-of-way to access the general development area.

7. Identify any aesthetic concerns related to the proposed activity (i.e., negative effects on the aesthetic/sensory aspects of the surrounding land including view, smell, noise, etc.).

Not applicable

From public access

From residence

From recreation facility

Other _____

Species 3 <u>N/A</u> <input type="checkbox"/> Endangered <input type="checkbox"/> Threatened <input type="checkbox"/> Special Concern <input type="checkbox"/> At Risk <input type="checkbox"/> May Be At Risk Explain any conflict and proposed mitigation <u>N/A</u> <hr/>	Species 4 <u>N/A</u> <input type="checkbox"/> Endangered <input type="checkbox"/> Threatened <input type="checkbox"/> Special Concern <input type="checkbox"/> At Risk <input type="checkbox"/> May Be At Risk Explain any conflict and proposed mitigation <u>N/A</u> <hr/>
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Alberta Fish and Wildlife Division recommends predevelopment inventory be conducted on all native grasslands habitats within the Grassland Natural Region due to high concentration of Species at Risk and limited site specific information on occurrences.

6. Has a pre-development Species at Risk inventory been completed to alert the applicant of any wildlife concerns related to this project? Yes (copy of inventory attached) No

If 'No', explain: The proposed application area is located in the Boreal Forest Region therefore no pre-development inventory is required. However, ANHIC and FWMIS searches were completed on 03/11/2008 and 03/11/2008 respectively, as part of the EFR process, with no results noted.

- Has the activity been assessed to ensure it does not negatively affect any species at risk? Yes No

If 'No', explain: The proposed application area is located in the Boreal Forest Region therefore no pre-development inventory is required. However, ANHIC and FWMIS searches have been completed on 03/11/2008 and 03/11/2008 respectively as part of the EFR process with no results noted. Furthermore, during the breeding and nesting period, breeding bird and nest sweep surveys or consultation with, and approval from, the ASRD regional biologist, will be conducted prior to construction as per the Migratory Birds Convention Act.

8. If Access Restrictions apply, include legal land description and explain mitigation measures.

LSD N/A Sec N/A Twp N/A Rge N/A W N/A

LSD N/A Sec N/A Twp N/A Rge N/A W N/A

Explain mitigation strategy: N/A

9. If within or adjacent (within 100 m) to a Protected Area, indicate the type of protected area and explain what measures will be taken to avoid conflict with the protected area.

Natural Area Ecological Reserve Park Other N/A

Name of protected area: N/A

Explain mitigation strategy: N/A

10. Are there any environmentally sensitive areas in the vicinity (within 100 m) of the proposed activity that will require special measures to protect? Yes No

If 'Yes', list and explain: _____

11. Is the proposed activity within a permafrost area? Yes No

If 'Yes', specify the Permafrost Protection Plan number and name: N/A

5. Provide the name of the salvage purchaser N/A, or check one of the following:

Not known at this time By TM88 (or equivalent) By Timber permit

6. When will the salvage be removed/hailed from the site to a wood processing plant?

Proposed date start: N/A
dd/mm/yyyy

Proposed date complete: N/A
dd/mm/yyyy

Notes: The operator is responsible for moving the salvage to a site that is accessible to ensure all the wood can be removed. This may require forwarding the wood to a site with all-weather access.

A copy of the TM88 or equivalent must be submitted to the SRD field office to ensure proper tracking of ownership, transport and manufacturing can occur.

F. Soil and Vegetation Management

Soil salvage, storage, replacement, and handling procedures shall be in keeping with those outlined in Section 6 "Site Disturbance, Clearing and Soil Management," of the "Public Lands Operational Handbook". The Handbook is available at: <http://www.srd.gov.ab.ca/lands/formspublications/managingpublicland/default.aspx>.

Note: Projects on specific areas of public land may require a soil survey. The proponent is to identify such requirements during the planning process.

Are there soil sensitivities (i.e., shallow depth to water table; shallow depth to bedrock; soils are gravelly or stony, etc.)? Yes No

Explain: N/A

Surface expression (i.e., topography). In the development area, the surface expression is generally undulating to hummocky, but the micro relief for the proposed developments is level to hummocky.

Site drainage (i.e., drainage is very poor, poor, imperfect, moderately well, well, rapid, or very rapid)

The proposed development area drainage varies from poorly-drained to well-drained.

Are there problem vegetation/weeds/invasive species on or near site at time of assessment?

Yes No Explain N/A

Identification of species, degree of infestation and approximate amount of area infested per species.

<input type="checkbox"/> Trace (rare)	Species 1 _____	Species 2 _____	Species 3 _____
<input type="checkbox"/> Low (occasional)	Species 1 _____	Species 2 _____	Species 3 _____
<input type="checkbox"/> Moderate (scattered plants)	Species 1 _____	Species 2 _____	Species 3 _____
<input type="checkbox"/> High (fairly dense)	Species 1 _____	Species 2 _____	Species 3 _____

Is there a risk of weed spread to the site if development proceeds?

High Moderate Low

If any risk, provide details in reclamation and construction sections of supplements. If high or moderate, show location on the application plan.

Noxious Weeds

131 The holder shall cut, keep down and destroy all noxious weeds and restricted weeds as per the *Public Lands Act*.

Waste Material Disposal

135 The holder shall remove all garbage and waste material from this site to the satisfaction of the department, in its sole discretion.

Watercourse/Water Body - No Material to be Deposited

148 The holder shall not deposit or push debris, soil or other deleterious materials into or through any watercourse or water body or on the ice of any watercourse/water body.

Erosion Prevention

158 The holder shall take all precautions and safeguards necessary to prevent soil and surface erosion to the satisfaction of the department in its sole discretion.

Natural Drainage - No Interruption

161 The holder shall not create any interruptions to natural drainage, including ephemeral draws that may result in blockage of water flow.

LAND STATUS AUTOMATED SYSTEM

ENR-LSAS

LAND STANDING REPORT

LSRC1130

REPORT DATE: 2009 08-05

TIME: 08:58:20

REQUESTED BY: LSLEI02

PAGE 1

..... SELECTION CRITERIA

REQUESTED LAND LIST: INCLUDE
 TITLE INFORMATION : INCLUDE
 REQUEST LAND STATUS: INCLUDE

SELECT GEO-ADMINISTRATIVE AREA: ALL
 SELECT ACTIVITIES:

INCL/EXCL	ACTIVITIES	MAX STATUS	ALL/NONE/SOME	IF SOME, SPECIFY TYPE
I	SURFACE DISP	6	ALL	
I	RESERVATIONS	6	ALL	
I	ENCUMBRANCES	6	ALL	
I	LAND POSTINGS	6	ALL	
I	INTERIM RECORDS	6	ALL	
I	SUBDIVISIONS	5	ALL	

..... REQUESTED ACTIVITY

REQUESTED ACTIVITY: MSL- 083666

SCHEDULE 'B'

..... REQUESTED LAND

REQUESTED LAND	OWNERSHIP STATUS	TITLE STATUS	ADMINISTERED BY	SURVEY STATUS	-- AREA IN HECTARES --		--- AREA IN ACRES ---	
					LAND	TITLE	LAND	TITLE
4-03-076-34-NW	CROWN	UNTITLED FLW		UNSURVEYED	64.750		160.00	
4-03-077-03-SW	CROWN	UNTITLED FLW		UNSURVEYED	64.750		160.00	
4-03-077-03-NW	CROWN	UNTITLED FLW		UNSURVEYED	64.750		160.00	
TOTAL	CROWN	UNTITLED		UNSURVEYED	194.250		480.00	

..... LAND STATUS INFORMATION (TO QUARTER SECTION ONLY)

LAND IDENTIFIER	OWNERSHIP STATUS	TITLE STATUS	ADMINISTERED BY	SURVEY STATUS	-- AREA IN HECTARES --		--- AREA IN ACRES ---	
					LAND	TITLE	LAND	TITLE
4-03-076-34-NW	CROWN	UNTITLED FLW		UNSURVEYED	64.750		160.00	
4-03-077-03-SW	CROWN	UNTITLED FLW		UNSURVEYED	64.750		160.00	
4-03-077-03-NW	CROWN	UNTITLED FLW		UNSURVEYED	64.750		160.00	

..... GEO-ADMINISTRATIVE AREAS

COAL DEVELOPMENT REGION

NORTHERN FORESTED

CODE: CDR-2

4-03-076
 4-03-077

LAND STATUS AUTOMATED SYSTEM

ENR-LSAS
 REPORT DATE: 2009-08-05 TIME: 08:58:20

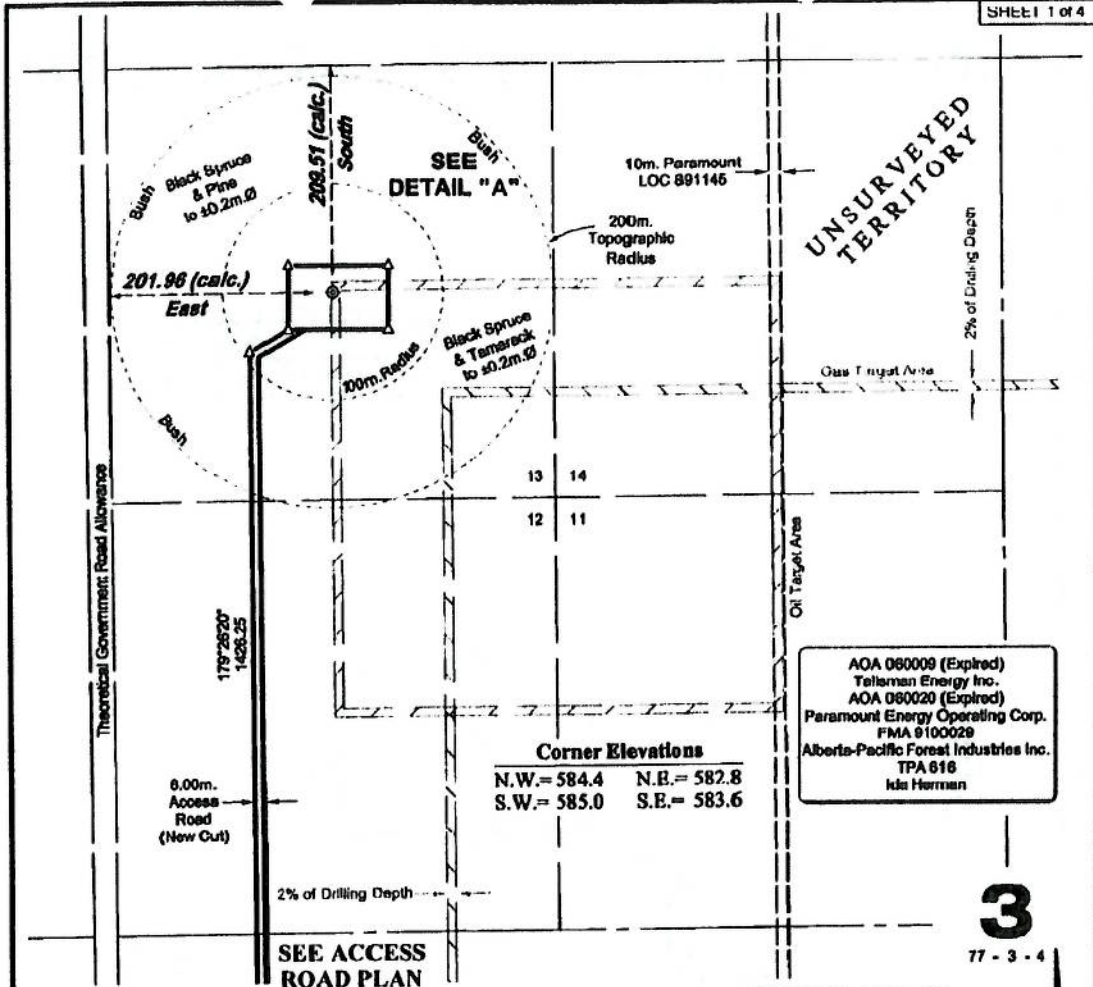
LAND STANDING REPORT

LSRC1130
 REQUESTED BY: LSLE102 PAGE 3

----- ACTIVITIES -----

ACTIVITY	STATUS/TYPE LAND ID	DATE HECTARES	EXPIRY ACRES	CLIENT/INTERIM REMARKS METES AND BOUNDS REMARKS	TOTAL AREA	
					ACRES	HECTARES
FMA-9100029	ACTIVE/DISPOSED 4-03-076 4-03-077	ON 1991-SEP-01	2011-AUG-31	ALBERTA-PACIFIC FOREST INDUSTRIES *	13,703,981.39	5,545,804.094
LOC-891145	ACTIVE/DISPOSED 4-03-076-34-NW 4-03-077-03-SW 4-03-077-03-NW	ON 1989-DEC-20	2014-DEC-19	PARAMOUNT ENERGY OPERATING CORP.	27.35	11.070
MSL-083666	APP. FOR AMENDMEN 4-03-076-34-NW 4-03-077-03-SW 4-03-077-03-NW	ON 2008-DEC-30		ENCANA FCCL LTD. AND ADJ THEOR RD ALLOW	4.24	1.715
MSL-083668	APPLICATION 4-03-076-34-NW	ON 2008-DEC-17 0.760	1.88	ENCANA FCCL LTD.	1.88	0.760
TPA-616	ACTIVE/DISPOSED 4-03-077-03	ON 1986-NOV-21	2009-JUN-30	HERMAN, IDA	0.00	0.000

*** NOTE: THE FOLLOWING DISCLAIMER ***

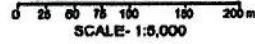


Corner Elevations

N.W. = 584.4	N.E. = 582.8
S.W. = 585.0	S.E. = 583.6

AOA 080009 (Expired)
Talisman Energy Inc.
AOA 080020 (Expired)
Paramount Energy Operating Corp.
FMA 0100029
Alberta-Pacific Forest Industries Inc.
TPA 616
Ida Herman

WELL SITE PLAN

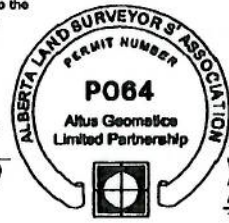


ELEVATION ON GROUND AT WELL LOCATION = 584.05
CO-ORDINATES
209.51 m. S. of N. Bdy. } Theor. Sec. 3
201.96 m. E. of W. Bdy. }

Plan Showing Survey of
ECA FCCL HARDY 13-3-77-3
Well Site and Access Road in
L.S. 13 Sec. 3 Twp. 77 Rge. 3 W. 4 M.
REGIONAL MUNICIPALITY OF WOOD BUFFALO

I, Ed Oh, Alberta Land Surveyor, of Edmonton, Alberta, certify that the survey represented by this plan is true and correct to the best of my knowledge, has been carried out in accordance with the Alberta Land Surveyors' Association Manual of Standard Practice, and the field survey was performed between the 15th day of September, 2008 and the 16th day of September, 2008.

Alberta Land Surveyor: *[Signature]*
Witness (Stuart Bunting): *[Signature]*
Date Signed: October 9, 2008



GEO Co-ordinates	UTM Co-ordinates
55.648055 Latitude	6167076.71 N
110.390403 Longitude	538363.73 E
55.647949 Latitude	6166895.92 N
110.389536 Longitude	538419.83 E

AREAS:	HECTARES	ACRES
Well Site	0.540	1.33
Access Road (Twp. 76)	0.049	0.12
Access Road (Twp. 77)	1.126	2.79
Total	1.715	4.24

- The Proposed Well**
- Is at least 1.5 km. from any Urban Center
 - Is at least 3.0 km. from a subsurface coal mine
 - Is at least 100 m. from any Surface Improvements
 - Is at least 40 m. from any Surveyed Road
 - Is at least 5.0 km. from a Lighted Aerodrome
 - Is at least 1.6 km. from an Unlighted Aerodrome
 - Is exempt from the Alberta Community Development Approval

YES	NO
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

Bearings are NAD 83 UTM Grid Bearings referred to the Central Meridian 111° W. and were derived by G.P.S. Combined Scale factor used = 0.999528
Datum: ASCM 414755 Elev. = 601 144

To convert UTM Bearings to Bearings referred to the Central Meridian of the Twp. add 00°30'01"

Well Centre shown thus
Survey Monuments found shown thus
30cm. Iron Spikes found shown thus
30cm. Iron Spikes placed shown thus
Pebbles referred to outlined thus
Distances are in metres.

OPERATOR
ENCANA FCCL OIL SANDS LTD.

Grande Prairie, AB: 1-780-632-6763
Medicine Hat, AB: 1-403-626-4215
Lloydminster, AB: 1-780-875-8130
Edmonton, AB: 1-800-465-0233
Calgary, AB: 1-866-234-7599

Swift Current, SK: 1-306-773-7733
Dartmouth, NB: 1-866-466-6796
Weyburn, SK: 1-306-642-6060
Moncton, NB: 1-506-650-2787
Yorkton, SK: 1-306-783-4100
Regina, SK: 1-800-697-3546

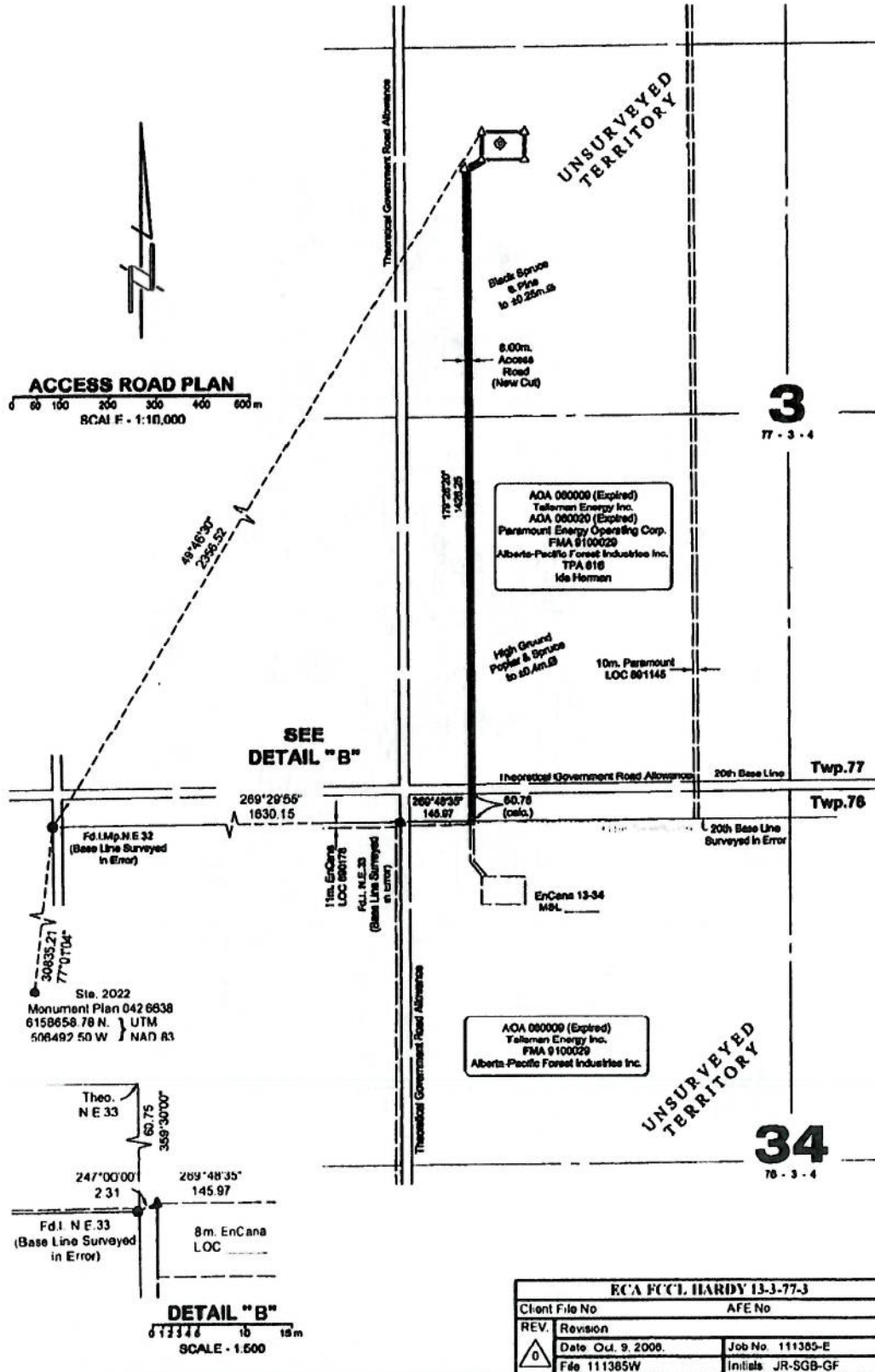
Altus Geomatics
www.altusgeomatics.com

Client File No.	AFE No.
REV	Revision
Date Oct 9, 2008.	Job No. 111385-E
File 111385W	Initials JR-SGB-GF

MSL083666 SRD Plan: 123328 MS, 2008-12-21, gob

MSL083666 SRD Plan: 123328 MS, 2008-12-21, gob

ENCANA FCCL OIL SANDS LTD.



Attachment C

**Application for Variance in the Lower Athabasca Regional Plan
(LARP)**



Application for Variance in a Regional Plan

Form (LUS-02)

Land Use Secretariat

9th floor, Centre West Building
10035 – 108 Street
Edmonton, AB T5J 3E1
TEL: 780-644-7972 or Toll Free Rite Line at: 310-0000
FAX: 780-644-1034

Alberta Land Stewardship Act

Instructions:

- Complete one form for each application you are filing.
- Please print clearly.
- Legal representation is not required; however, if you have retained representation, please indicate on the form.
- Submit your completed form(s) to the Stewardship Commissioner, Land Use Secretariat.
- The Alberta Land Stewardship Act and regulations can be found on the *Queen's Printer* website.

Tracking Number (LUS Office Use Only):

Date Stamp – Request Received by LUS

Part 1: Details of Application for Variance

Lower Athabasca Regional Plan

Name of Regional Plan

If the application is with respect to a land area, provide the legal description (Township, Range, Meridian). If the application is with respect to an existing land use, provide a description of that land use.

A. Clearly identify the restriction, limitation or requirement under the Regional Plan that has resulted in you applying for a variance.

See Attached

B. Explain why the variance is necessary.

See Attached

Part 2: Requested Relief

Describe the specific variance that you are applying for, including any proposed terms and conditions of that variance.

See Attached

Part 3: Other Applicable Information

Please provide any additional information that may be relevant to this application.

See Attached

Part 4: Applicant Information

First Name: Kendall Last Name: Dilling

Cenovus FCSL Ltd.
Company Name or Association Name (if any)

Professional Title (if applicable): VP, Regulatory & Community Services

Email Address: kendall.dilling@cenovus.com Fax #: _____

By providing an email address, you agree to receive communications from the Land Use Secretariat by email.

Daytime Telephone #: 403-766-5416 Alternate Telephone #: 403-510-7002

Mailing Address: 421-7 Avenue SW Street Address Calgary City/Town

Alberta Province Canada Country (if not Canada) T2P 0M5 Postal Code

Signature: [Signature] Date: Nov 15, 2012

Please note: You must notify the Land Use Secretariat of any change of address or telephone number in writing.

Personal information requested on this form is collected under the provisions of the *Freedom of Information and Protection of Privacy Act*, Chapter/Regulation: F-25 RSA 2000.

Part 5: Representative Information (if applicable)

I hereby authorize the named company and/or individual(s) to represent me:

First Name: _____ Last Name: _____

Company Name: _____

Professional Title: _____

Email Address: _____ Fax #: _____

By providing an email address, you agree to receive communications from the Land Use Secretariat by email.

Daytime Telephone #: _____ Alternate Telephone #: _____

Mailing Address: _____ Street Address _____ City/Town _____

Province _____ Country (if not Canada) _____ Postal Code _____

Signature of Applicant: _____ Date: _____

Please note: If you are representing the applicant and are NOT a solicitor, please confirm that you have written authorization to act on behalf of the applicant. Please confirm this by checking the box below.

I certify that I have written authorization from the applicant to act as a representative with respect to this application on his or her behalf and I understand that I may be asked to produce this authorization at any time.

Attachment D

Map of Christina Lake Remote Disposal Pads Locations

Attachment E

Figure 1.2-2 Christina Lake Thermal Revised Project Footprint

Attachment F

Figure 1.3-1 Christina Lake Thermal Project

Attachment G

Section 3.8 Deep Well Disposal from CLTP 1E, 1F and 1G

The SAGD zone pay in most of Section 10 Township 76, Range 6 W4M is underlain by a saline aquifer without any separating mudstone. In most of Section 15 Township 76, Range 6 W4M and parts of Sections 11 and 12 Township 76, Range 6 W4M, there is a mudstone which separates the underlying aquifer from the SAGD pay above. There is no aquifer below the SAGD pay in most of Sections 11, 13 and 14 Township 76, Range 6 W4M. However, given the regional nature of the aquifer, it is considered, from an engineering viewpoint, that the whole SAGD reservoir for this Core Area is in communication with the regional aquifer.

The overall development plan proposes a total of 141 SAGD well pairs on a total of 19 well pads with seven well pads broken out for Phase 1E, six pads for Phase 1F and six pads for Phase 1G. Figure 3.7-1 shows the configuration of the well pads for the Project.

3.8 DEEP WELL DISPOSAL

Water disposal wells for current operations are located in the southwest of Section 16 Township 76, Range 6 W4M, where water is injected into thick water sands at the base of the McMurray Formation. As part of Phase 1B, remote water disposal was initiated at 15-35-Section 76 Range 4 W4M. Additional wells are being drilled east of the 15-35 well which will be required to accommodate Phases 1C and 1D as well as the Project (Figure 1.3-1). The proposed well locations are:

- 1AA/13-34-076-03 W4M; and
- 1AA/13-03-077-03 W4M.

These locations are ideal candidates for waste water disposal since the McMurray Formation in this area is thick (50 to 90 m), porous (greater than 33%), 100% saline water saturated and is far away (7 to 8 km) from the closest bitumen accumulation. A type well from the immediate area is shown in Figure 3.8-1.

When the Project is operational, the total quantity of deep well disposal water will be up to 19,328 m³/d. This value consists of up to 17,932 m³/d of boiler blowdown water and about 1,396 m³/d of regeneration wastewater (upset case with no boiler blowdown recycle). Normal disposal requirements are expected to be 8,966 m³/d of steam blowdown (based on 50% blowdown recycle) and 940 m³/d of regeneration waste water.