

BY E-MAIL ONLY

November 26, 2015

Bill McElhanney
Ackroyd LLP on behalf of Fort McMurray #468

**PUBLIC LANDS APPLICATION NOs.: OSE150011 and OSE150012
INFRASTRUCTURE APPLICATIONS NOS: 1844144, 1844146, 1844147, 1844148,
1844153, 1844155, 1844158 from DEVON CANADA CORPORATION**

STATEMENT OF CONCERN NO. 29926

Dear Bill McElhanney:

You are receiving this letter because you filed a statement of concern about Applications No. OSE150011 and OSE150012 and Infrastructure Applications No. 1844144, 1844146, 1844147, 1844148, 1844153, 1844155, and 1844158. The Alberta Energy Regulator (AER) has reviewed your statement of concern, along with the application, the applicable requirements, and other submissions or information about the application and has decided that a hearing is not required under an enactment or otherwise necessary to consider the concerns outlined in your statement of concern.

In its review of your concerns, the AER considered the following:

- Fort McMurray First Nation lands are located about 94 km north of the proposed project.
- The statement of concern filed by Fort McMurray #468 First Nation lacks any detail or specifics and does not explain how Fort McMurray #468 First Nation may be impacted.
- Any impacts from future applications would be assessed at the time of those applications, and notice of application would be published on the AER website with a deadline for parties to file a statement of concern with the AER.
- The application project areas are within the Lower Athabasca Regional Plan (LARP), which addresses management of cumulative impacts on the environment on a regional basis. The activities proposed in the areas of the applications are permitted under LARP.

The AER notes that while Fort McMurray #468 First Nation states it may file further information and expects that information to be confidential, Fort McMurray #468 First Nation does not indicate when it would file such information. The AER has an established process for parties to request confidential treatment of information prior to filing such information, under section 49 of the Alberta Energy Regulator Rules of Practice. The AER expects parties, and certainly counsel, to be aware of the AER's processes and requirements.

inquiries 1-855-297-8311
24-hour
emergency 1-800-222-6514

The AER has issued the applied-for authorization and this is your notice of that decision. A copy of the authorization is attached. Under the *Responsible Energy Development Act* an eligible person may file a request for a regulatory appeal on an appealable decision. Eligible persons and appealable decisions are defined in section 36 of the *Responsible Energy Development Act* and section 3.1 of the *Responsible Energy Development Act General Regulation*. If you wish to file a request for regulatory appeal, you must submit your request in the form and manner and within the timeframe required by the AER. You can find filing requirements and forms on the AER website www.aer.ca under Applications & Notices: Appeals.

If you have any questions regarding the Public Lands Authorization, contact Allison Shepherd at 780-743-7485 or e-mail Allison.Shepherd@aer.ca. If you have any questions regarding the Infrastructure licenses, contact David Miles at 403-297-3582 or e-mail David.Miles@aer.ca.

Sincerely,

<original signed by>

Elizabeth Grilo
Director, Land Use Authorizations

<original signed by>

Shelley Youens
Director, Infrastructure Authorizations
(Oil and Gas)

Enclosure 1: **Notice of Decision – OSE150011**

Enclosure 2: **Notice of Decision – OSE150012**

Enclosure 3: **Infrastructure Licenses**

cc: Vince Boden, Devon Canada Corporation
AER Aboriginal Relations
Aboriginal Consultation Office

November 26, 2015

Devon NEC Corporation

Sent Via Email: Vince.Boden@dvn.com

Edmonton (Twin Atria)
2nd Floor, Twin Atria Building
4999 – 98 Avenue
Edmonton, Alberta T6B 2X3
Canada

tel 780-638-4491
fax 780-442-1459

www.aer.ca

**RE: Notice of Decision: Authorization Issued
OIL SANDS EXPLORATION PROGRAM: OSE150011**

Dear Sir/Madam,

Based on the review of your Oil Sands Exploration program application dated **September 22, 2015** the Alberta Energy Regulator has completed its review of your request.

Pursuant to section 20(1) of the *Public Lands Act* and in accordance with the *Code of Practice for Exploration Operations* made under the *Environmental Protection and Enhancement Act*, **Devon NEC Corporation** is hereby authorized to enter upon and occupy the above described public lands for the purpose of conducting an oil sands exploration program, subject to the methods and environmental conditions outlined in the application.

As part of this authorization, **Devon NEC Corporation** must comply with the conditions outlined in the enclosed Schedule “A” as well as all other statutory provisions.

Please use the file number, **OSE150011** on all related plan submissions and correspondence.

Under the *Responsible Energy Development Act* an eligible person may file a request for a regulatory appeal on an appealable decision. Eligible persons and appealable decisions are defined in section 36 of the *Responsible Energy Development Act* and section 3.1 of the *Responsible Development Act General Regulation*.

If you wish to file a request for regulatory appeal, you must submit your request in the form and manner and within the timeframe required by the AER. You can find filing requirements and forms on the AER website www.aer.ca under Applications & Notices: Appeals. Regulatory appeal requests should be emailed to the Regulatory Appeal inbox at RegulatoryAppeal@aer.ca.

Should you have any questions regarding the above decision, please contact the undersigned at AERSurfaceActivityApplication@aer.ca, quoting the disposition number.

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Sincerely,

A handwritten signature in blue ink, appearing to read 'EMG Grilo'.

Elizabeth Grilo

Director, Land Use Authorizations

Alberta Energy Regulator

cc: Josh Gerling

Aurora Land Consulting Ltd.

Email: josh@auroraland.ca

Larry Kuchmak

Alberta Energy Regulator

Email: Larry.Kuchmak@aer.ca

Alberta Culture

Email: Historical.LUP@gov.ab.ca

SCHEDULE “A”

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1. 007

IN THIS DOCUMENT, unless the context indicates otherwise:

“approval” whenever required, must be in writing.

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

"Authorizer" means: the "Authorizer" duly designated under the *Public Lands Act*.

"officer of the regulatory body" means: an employee of the Regulatory body, responsible for the management of surface activity on the land.

“Regulator” means: Alberta Energy Regulator.

“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.

“Regulatory body” means: the Department of Environment and Sustainable Resource Development or the Alberta Energy Regulator.

Payments required by this document are to be made payable to the

“Government of Alberta”

- 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.
- c) The holder shall not conduct any activity on the land where prior rights have been issued without the consent of the holder of these prior rights. A list of prior and subsisting authorizations and dispositions (prior rights) issued on the quarter sections included in this authority can be purchased from Alberta Energy, Crown Land Data Support, Telephone: 780-422-1395, or the Alberta Energy Website: <http://www.energy.gov.ab.ca>.

Surface rights plot sheets showing active dispositions, and individual activity plans can be purchased from IHS, Main Floor, Petroleum Plaza, South Tower, 9915 – 108 Street, Edmonton, Alberta, T5K 2G8, Telephone: 780-413-3380, Fax: 780-413-3383 or Website: <http://www.petrosurveys.ca>.

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- d) The holder shall contact the registered trapper, if any trapping areas (TPA) have been issued on the quarter sections included in this authority, at least TEN DAYS PRIOR TO COMMENCING ANY ACTIVITY. This must be done by registered mail and we recommend personal communication follow-up. The trapper's name and address may be obtained from Alberta Energy, Crown Land Data Support (Telephone: 780-422-1395). For other information concerning registered traplines, contact the Client and Licensing Service, Environment and Sustainable Resource Development, Edmonton, Alberta (Telephone: 780-427-5185) upon receipt of this approval. The holder may be responsible for any damage to traps, snares or other improvements.
- e) Where applicable, the Regulatory body may, in addition to any other charges, assess a further charge of 50 cents per acre (\$1.24 per hectare) on every acre or part acre in this authority to fund the Trapper's Compensation Program. Classification of lands can be obtained from Alberta Energy, Crown Land Data Support, Telephone: 780-422-1395 or the Alberta Energy Website: <http://www.energy.gov.ab.ca>.
- f) The holder is responsible for obtaining any necessary federal, municipal and other permits and approvals with respect to this authority.
- g) The holder agrees to hold harmless the Regulatory body from any and all third party claims, demands, or actions for which the holder is legally responsible, including those arising out of negligence or willful acts by the holder or the holder's employees or agents. This hold harmless shall survive this Agreement.
- h) The holder shall indemnify and save harmless the Regulatory body from any and all claims, actions, suits, or similar proceedings commenced by any competent regulatory body against the holder or

the Regulatory body 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.

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- i) The holder shall, at its own expense and without limiting its liabilities herein, insure its operations under a contract of General Liability Insurance, in accordance with the *Alberta Insurance Act*, in an amount not less than \$2,000,000 inclusive per occurrence, insuring against bodily injury, personal injury and property damage including loss of use thereof. The holder shall provide the Regulatory body with acceptable evidence of all the insured prior to the commencement of the work and shall promptly provide the Regulatory body with a certified true copy of each policy upon request.
 - j) This authority is granted subject to further amendment by the Regulatory body, in its sole discretion.
 - k) The holder shall furnish proof, upon request, that the holder has complied with any and all of the provisions of the holder's disposition in a form and time required by the Regulatory body.
2. 175 The holder shall comply with the operating conditions of this approval, together with the Caribou Protection Plan **AERCPP-Devon-Jackfish&Pike-2015/2015-15** including any government directives, guidelines, policies and legislation referenced in the Caribou Protection Plan.
3. 098 Trails are not to exceed the following maximum width: **6-8 metres as shown on the amended program map, revised September 23, 2015.**
4. 084 Unless otherwise approved in writing by the officer of the Regulatory body, the holder shall ensure that drill sites for oil sands exploration shall not exceed **0.54 hectares as per Appendix 1.**
5. 998 On sites where mechanical mulching methods are utilized to clear forest cover, the holder shall ensure that fine woody debris (wood chips) is managed as per *Directive SD 2009-01 Management of Wood Chips on Public Land.*

6. When a new cut access approaches a road, the holder shall construct a line at an appropriate angle (45 degrees) to eliminate a continuous line of sight. The holder shall dispose of all debris on the doglegs in a manner as directed by the officer of the Regulatory body.
7. 133 Activities shall not result in the deposition or placement of debris, soil or other deleterious materials into or through any watercourse and/or water body, or on the ice of any watercourse and/or water body.
8. Unless otherwise directed by the officer of the regulatory body, temporary watercourses crossing constructed using snow and ice materials must be completely removed prior to spring break-up.
9. 139 Where crossings have been removed, the bank or shoreline of all affected watercourses and/or water bodies shall be immediately stabilized and/or alterations or modifications to the bank or shoreline shall be restored.
10. 136 All crossings shall maintain fish passage. Crossings shall be compliant with Alberta Environment's Code of Practice under the Water Act, Water (Ministerial) Regulation.
11. 995 The holder shall utilize the lands only during frozen or dry ground conditions.
12. 087 The holder shall utilize the land only for temporary undeveloped access. If surface disturbance is necessary, or if permanent access is required, the holder shall contact the officer of the Regulatory body regarding routing, salvage and construction requirements.
13. 994 Any activity on the land during adverse ground conditions must be suspended if the activity is likely to cause unacceptable damage to vegetation or soil as may be determined by the holder or the officer of the Regulatory body.
14. 993 Prior to entry on the land, the holder shall steam clean all equipment, including seeders.

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15. 992 The holder shall strip and pile the topsoil separately from any fine woody debris (wood chips) and subsoil in such a manner that it can be distributed evenly over the disturbed area when operations have been completed. Where topsoil is less than 15 centimetres, conservation shall include the topsoil plus part of the upper subsoil up to a total depth of 15 centimetres (unless considering chemically unsuitable).
16. 151 Soil and surface erosion and sedimentation shall be prevented and controlled on all disturbed lands.
17. 991 The holder shall not dispose of drilling waste off lease without a further disposition or letter of authority under Section 20 of the *Public Lands Act*.
18. 160 The holder shall utilize impermeable tanks to collect all liquid effluents and dispose of at an authorized disposal facility.
19. 990 Drilling waste sumps are not permitted on core hole sites. The holder shall apply for a common sump location in consultation with the inspecting officer of the Regulatory body. Prior to commencement of operations, the holder shall have any sumps approved under a Mineral Surface Lease (MSL).
20. 121 All woody debris and leaning trees must be slashed, limbed and bucked flat to the ground unless otherwise approved by the officer of the Regulatory body. The length of slashed woody debris shall not exceed 2.4 metres.
21. 125 The holder shall salvage all merchantable timber.
22. 124 Decks of merchantable timber, prior to transfer to the salvage recipient, shall be legibly and permanently marked with a disposition number.
23. 899 The holder shall cut, keep down and destroy all noxious and restricted weeds and control noxious weeds as per the *Public Lands Act*.
24. 900 The holder shall provide to the Regulatory body within 60 days of March 31 each year of this program until a reclamation certificate is issued, an Annual Report (**submitted electronically to *AERSurfaceActivityApplication@aer.ca***) indicating

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- a) requirements consistent with Section 7.1.5 of the Code of Practice for Exploration Operations made under the Environmental Protection and Enhancement Act,
 - b) the area of new disturbance cleared and/or utilized as approved under this program,
 - c) any sites added to the program including the authorization issued by the Regulator,
 - d) the total area of lands within the program intensively used (disturbed),
 - e) a listing of all core hole sites or accesses converted to disposition under the *Public Lands Act*,
 - f) the total area of lands within the program cleared but not explored to date and intent for completion, and
 - g) any other pertinent information relevant to this program.
25. 162 In addition to complying with Federal, Provincial and local laws and regulations respecting the environment, including release of substances, the holder shall, to the Regulatory body's satisfaction, take necessary precautions to prevent contamination of land, water bodies and the air with particulate and gaseous matter, which, in the opinion of the Regulatory body in its sole discretion, is or may be harmful.
26. 107 On Forested, Grassland, Peatland and Riparian areas, unless otherwise specified by an officer of the Regulatory body, re-establishing a vegetative cover on disturbed surfaces must be accomplished by Natural recovery. This technique for reclaiming sites by allowing the land to re-vegetate naturally (without seeding) by conserving and replacing reclamation material shall be used for all areas of the site, not required for operations or padded with clay within 1 growing season of the completion of construction.

27. 108 On Forested, Grassland, Peatland and Riparian area, Assisted natural recovery is allowed on high erosion sites, or sites prone to weeds, or agronomic invasion, or padded sites (forested and peatland). Seed mixes are to be free of species listed in the Weed Control Act. Seed mixes are to be free of all agronomic species (excepting those identified for assisted recovery techniques). A seed certificate (under the rules and regulation of the Canada Seeds Act) for each species shall be provided to the regulatory body prior to seed mix approval.
- a) On forested, peatland and riparian areas, assisted natural recovery can be used for planting woody species for the purpose of accelerated reclamation. The woody species must be native to the Natural Subregion and follow the Alberta Forest Genetic Resource Management and Conservation Standards.
28. 902 Upon completion of the exploration programs on public lands, charges for timber damage, if applicable, will be assessed in accordance with the current schedule (Timber Damage Assessment Table).
29. 235 The holder shall complete reclamation, including line and site clean-up, soil stabilization and wood debris handling progressively and concurrently with operations.
30. Corner cuts are not to exceed the following maximum dimensions: 20m x 20m
31. Except for approved crossings of watercourses, the holder shall leave a buffer zone of undisturbed vegetation between any proposed activity (edge of clearing) and any watercourse or water body (top of valley escarpment and/or high water mark), unless otherwise approved in writing by the officer of the Regulatory body, according to the following requirements:
- a) Large permanent watercourses shall have a setback of at least 100m
- b) Small permanent watercourses shall have a setback of at least 45m
- c) Intermittent watercourses and springs shall have a setback of at least 45m
- d) Ephemeral watercourses shall have a setback of at least 15m

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e) Lakes shall have a setback of at least 100m

f) Permanent shallow open water ponds shall have a setback of at least 100m

g) Semi-permanent ponds/wetlands shall have a setback of at least 100m.

h) Non-permanent seasonal wetlands shall have a setback of at least 45m

i) Non-permanent seasonal wetlands shall have a setback of at least 45m

j) Non-permanent temporary wetlands shall have a setback of at least 15m

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32. This authorization is approved subject to the methods and environmental conditions outlined in Schedule 1 version dated **September 23, 2015** and Schedule 2 version dated **September 22, 2015**.
33. This authorization is approved subject to activity outlined on the Program Map version dated **September 23, 2015**.
34. 903 The authorization, when issued, will be for a term as indicated effective from the date of this authority.

Term: 5 Years

Two years for operation with an expiry on November 25, 2017.

Three years for reclamation with an expiry on November 25, 2020.

Appendix I

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1. Reporting the discovery of historic resources

Pursuant to Section 31 of the *Historical Resources Act*, should any archaeological, paleontological, historic period resources or Aboriginal traditional use sites of a type described below be discovered during the conduct of activities associated with the program, staff of the Heritage Division of Alberta Culture (Telephone: 780 431-2300) are to be contacted immediately. It may then be necessary for the Heritage Division to issue further instructions regarding the documentation of these resources.

2. Post development impact assessment audits

Pursuant to Section 37(2), of the *Historical Resources Act*, the Heritage Division of Alberta Culture may require a post development impact assessment audit in the spring and/or summer of the following year and annually until the program is closed.

3. Aboriginal traditional use sites that Alberta Culture consider as historic resources under the *Historical Resources Act*

Aboriginal traditional use sites that are considered by Alberta Culture to be historic resources under the *Historical Resources Act* include but may not be limited to the following:

- historic cabins remains
- cabins (unoccupied)
- ceremonial plant or mineral gathering sites
- ceremonial sites/spiritual sites
- cultural or community camp sites
- gravesites
- historic settlement(s)/Homestead(s)
- historic sites
- oral history sites
- trails
- wickiup/sweat lodge sites

This listing updates the list on pages 5 and 6 of *Tourism, Parks, Recreation and Culture Guidelines for First Nations Consultation on Resource Development and Land Management* (referred to as the ACCS Consultation Guidelines), Part V of Alberta's *First Nations Consultation Guidelines on Land Management and Resource Development*, dated November 14, 2007.

Appendix II

inquiries 1-855-297-8311
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All water use must be in compliance with the ***Water Act***. Online applications for the temporary diversion of water (TDL) can be submitted to the Alberta Energy Regulator (AER) through WATERS, which can be accessed at <http://www.aer.ca/> (click System & Tools).

Unless exempt under the ***Water (Ministerial) Regulation***, the holder shall comply with the ***Code of Practice for Watercourse Crossings*** under the ***Water Act***.

For additional information on the ***Water Act*** and water management please visit the AER at: <http://www.aer.ca/applications-and-notice> or contact the AER Customer Contact Centre: Inquiries@AER.ca or 1-855-297-8311.

November 26, 2015

Devon NEC Corporation

Sent Via Email: Vince.Boden@dvn.com

Edmonton (Twin Atria)
2nd Floor, Twin Atria Building
4999 – 98 Avenue
Edmonton, Alberta T6B 2X3
Canada

tel 780-638-4491
fax 780-442-1459

www.aer.ca

**RE: Notice of Decision: Authorization Issued
OIL SANDS EXPLORATION PROGRAM: OSE150012**

Dear Sir/Madam,

Based on the review of your Oil Sands Exploration program application dated **September 23, 2015** the Alberta Energy Regulator has completed its review of your request.

Pursuant to section 20(1) of the *Public Lands Act* and in accordance with the *Code of Practice for Exploration Operations* made under the *Environmental Protection and Enhancement Act*, **Devon NEC Corporation** is hereby authorized to enter upon and occupy the above described public lands for the purpose of conducting an oil sands exploration program, subject to the methods and environmental conditions outlined in the application.

As part of this authorization, **Devon NEC Corporation** must comply with the conditions outlined in the enclosed Schedule “A” as well as all other statutory provisions.

Please use the file number, **OSE150012** on all related plan submissions and correspondence.

Under the *Responsible Energy Development Act* an eligible person may file a request for a regulatory appeal on an appealable decision. Eligible persons and appealable decisions are defined in section 36 of the *Responsible Energy Development Act* and section 3.1 of the *Responsible Development Act General Regulation*.

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Sincerely,



Elizabeth Grilo
Director, Land Use Authorizations
Alberta Energy Regulator

cc: Josh Gerling
Aurora Land Consulting Ltd.
Email: josh@auroraland.ca

Larry Kuchmak
Alberta Energy Regulator
Email: Larry.Kuchmak@aer.ca

Alberta Culture
Email: Historical.LUP@gov.ab.ca

SCHEDULE “A”

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2. 175 The holder shall comply with the operating conditions of this approval, together with the Caribou Protection Plan **AERCPP-Devon-Jackfish&Pike-2015/2015-15** including any government directives, guidelines, policies and legislation referenced in the Caribou Protection Plan.
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18. 160 The holder shall utilize impermeable tanks to collect all liquid effluents and dispose of at an authorized disposal facility.
19. 990 Drilling waste sumps are not permitted on core hole sites. The holder shall apply for a common sump location in consultation with the inspecting officer of the Regulatory body. Prior to commencement of operations, the holder shall have any sumps approved under a Mineral Surface Lease (MSL).
20. 121 All woody debris and leaning trees must be slashed, limbed and bucked flat to the ground unless otherwise approved by the officer of the Regulatory body. The length of slashed woody debris shall not exceed 2.4 metres.
21. 125 The holder shall salvage all merchantable timber.
22. 124 Decks of merchantable timber, prior to transfer to the salvage recipient, shall be legibly and permanently marked with a disposition number.

inquiries 1-855-297-8311
24-hour
emergency 1-800-222-6514

23. 899 The holder shall cut, keep down and destroy all noxious and restricted weeds and control noxious weeds as per the *Public Lands Act*.
24. 900 The holder shall provide to the Regulatory body within 60 days of March 31 each year of this program until a reclamation certificate is issued, an Annual Report (**submitted electronically to *AERSurfaceActivityApplication@aer.ca***) indicating
- a) requirements consistent with Section 7.1.5 of the Code of Practice for Exploration Operations made under the Environmental Protection and Enhancement Act,
 - b) the area of new disturbance cleared and/or utilized as approved under this program,
 - c) any sites added to the program including the authorization issued by the Regulator,
 - d) the total area of lands within the program intensively used (disturbed),
 - e) a listing of all core hole sites or accesses converted to disposition under the *Public Lands Act*,
 - f) the total area of lands within the program cleared but not explored to date and intent for completion, and
 - g) any other pertinent information relevant to this program.
25. 162 In addition to complying with Federal, Provincial and local laws and regulations respecting the environment, including release of substances, the holder shall, to the Regulatory body's satisfaction, take necessary precautions to prevent contamination of land, water bodies and the air with particulate and gaseous matter, which, in the opinion of the Regulatory body in its sole discretion, is or may be harmful.

inquiries 1-855-297-8311
24-hour
emergency 1-800-222-6514

26. 107 On Forested, Grassland, Peatland and Riparian areas, unless otherwise specified by an officer of the Regulatory body, re-establishing a vegetative cover on disturbed surfaces must be accomplished by Natural recovery. This technique for reclaiming sites by allowing the land to re-vegetate naturally (without seeding) by conserving and replacing reclamation material shall be used for all areas of the site, not required for operations or padded with clay within 1 growing season of the completion of construction.
27. 108 On Forested, Grassland, Peatland and Riparian area, Assisted natural recovery is allowed on high erosion sites, or sites prone to weeds, or agronomic invasion, or padded sites (forested and peatland). Seed mixes are to be free of species listed in the Weed Control Act. Seed mixes are to be free of all agronomic species (excepting those identified for assisted recovery techniques). A seed certificate (under the rules and regulation of the Canada Seeds Act) for each species shall be provided to the regulatory body prior to seed mix approval.
- a) On forested, peatland and riparian areas, assisted natural recovery can be used for planting woody species for the purpose of accelerated reclamation. The woody species must be native to the Natural Subregion and follow the Alberta Forest Genetic Resource Management and Conservation Standards.
28. 902 Upon completion of the exploration programs on public lands, charges for timber damage, if applicable, will be assessed in accordance with the current schedule (Timber Damage Assessment Table).
29. 235 The holder shall complete reclamation, including line and site clean-up, soil stabilization and wood debris handling progressively and concurrently with operations.
30. Corner cuts are not to exceed the following maximum dimensions: 20m x 20m

inquiries 1-855-297-8311
24-hour
emergency 1-800-222-6514

31. Except for approved crossings of watercourses, the holder shall leave a buffer zone of undisturbed vegetation between any proposed activity (edge of clearing) and any watercourse or water body (top of valley escarpment and/or high water mark), unless otherwise approved in writing by the officer of the Regulatory body, according to the following requirements:
- a) Large permanent watercourses shall have a setback of at least 100m
 - b) Small permanent watercourses shall have a setback of at least 45m
 - c) Intermittent watercourses and springs shall have a setback of at least 45m
 - d) Ephemeral watercourses shall have a setback of at least 15m
 - e) Lakes shall have a setback of at least 100m
 - f) Permanent shallow open water ponds shall have a setback of at least 100m
 - g) Semi-permanent ponds/wetlands shall have a setback of at least 100m.
 - h) Non-permanent seasonal wetlands shall have a setback of at least 45m
 - i) Non-permanent seasonal wetlands shall have a setback of at least 45m
 - j) Non-permanent temporary wetlands shall have a setback of at least 15m
32. This authorization is approved subject to the methods and environmental conditions outlined in Schedule 1 and 2 versions dated **September 23, 2015**.

33. This authorization is approved subject to activity outlined on the Program Map version dated **September 22, 2015**.

inquiries 1-855-297-8311
24-hour
emergency 1-800-222-6514

34. 903 The authorization, when issued, will be for a term as indicated effective from the date of this authority.

Term: 5 Years

Two years for operation with an expiry on November 25, 2017.

Three years for reclamation with an expiry on November 25, 2020.

Appendix I

inquiries 1-855-297-8311
24-hour
emergency 1-800-222-6514

1. Reporting the discovery of historic resources

Pursuant to Section 31 of the *Historical Resources Act*, should any archaeological, paleontological, historic period resources or Aboriginal traditional use sites of a type described below be discovered during the conduct of activities associated with the program, staff of the Heritage Division of Alberta Culture (Telephone: 780 431-2300) are to be contacted immediately. It may then be necessary for the Heritage Division to issue further instructions regarding the documentation of these resources.

2. Post development impact assessment audits

Pursuant to Section 37(2), of the *Historical Resources Act*, the Heritage Division of Alberta Culture may require a post development impact assessment audit in the spring and/or summer of the following year and annually until the program is closed.

3. Aboriginal traditional use sites that Alberta Culture consider as historic resources under the *Historical Resources Act*

Aboriginal traditional use sites that are considered by Alberta Culture to be historic resources under the *Historical Resources Act* include but may not be limited to the following:

- historic cabins remains
- cabins (unoccupied)
- ceremonial plant or mineral gathering sites
- ceremonial sites/spiritual sites
- cultural or community camp sites
- gravesites
- historic settlement(s)/Homestead(s)
- historic sites
- oral history sites
- trails
- wickiup/sweat lodge sites

This listing updates the list on pages 5 and 6 of *Tourism, Parks, Recreation and Culture Guidelines for First Nations Consultation on Resource Development and Land Management* (referred to as the ACCS Consultation Guidelines), Part V of Alberta's *First Nations Consultation Guidelines on Land Management and Resource Development*, dated November 14, 2007.

Appendix II

inquiries 1-855-297-8311
24-hour
emergency 1-800-222-6514

All water use must be in compliance with the ***Water Act***. Online applications for the temporary diversion of water (TDL) can be submitted to the Alberta Energy Regulator (AER) through WATERS, which can be accessed at <http://www.aer.ca/> (click System & Tools).

Unless exempt under the ***Water (Ministerial) Regulation***, the holder shall comply with the ***Code of Practice for Watercourse Crossings*** under the ***Water Act***.

For additional information on the ***Water Act*** and water management please visit the AER at: <http://www.aer.ca/applications-and-notice> or contact the AER Customer Contact Centre: Inquiries@AER.ca or 1-855-297-8311.



WELL LICENCE

Licence No. 0477876
Well Name DEVON NEC 4C KIRBY 4-9-75-5
Licensee DEVON NEC CORPORATION
Well Type OIL SAND EVALUATION
Substance Name CRUDE BITUMEN
Formation Name MCMURRAY FM

Surface Location LSD 04-09-075-05 W4M

Surface Co-ordinates 216.3 metres North 142.4 metres East

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID 1AA/04-09-075-05W4/0 **Surface Rights** ALBERTA CROWN

Field KIRBY **Mineral Rights** ALBERTA CROWN

Projected Depth 483 metres

Lahee / Confidential Status OV(C)

Field Centre BONNYVILLE **Terminating Zone** WOODBEND GRP

(Ph. (780) 826-5352) **Ground Elevation** 637.2 metres

Emergency Planning Zone N/A km

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ N/A

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 26th day of November 2017 if well has not been spudded.

Dated at Calgary, Alberta this

26th day of November 2015.

Application Number 1844144

For Alberta Energy Regulator



Licence No. 0477873
Well Name DEVON NEC 14D KIRBY 14-13-75-6
Licensee DEVON NEC CORPORATION
Well Type OIL SAND EVALUATION
Substance Name CRUDE BITUMEN
Formation Name MCMURRAY FM

Surface Location LSD 14-13-075-06 W4M
Surface Co-ordinates 171.1 metres South 741.4 metres East

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID	1AA/14-13-075-06W4/0	Surface Rights	ALBERTA CROWN
Field	KIRBY	Mineral Rights	ALBERTA CROWN
Lahee / Confidential Status	OV(C)	Projected Depth	463 metres
Field Centre	BONNYVILLE (Ph. (780) 826-5352)	Terminating Zone	WOODBEND GRP
Emergency Planning Zone	N/A km	Ground Elevation	626.4 metres

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ N/A

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 26th day of November 2017 if well has not been spudded.

Dated at Calgary, Alberta this

26th day of November 2015.

Application Number 1844144

For Alberta Energy Regulator



Licence No. 0477869
Well Name DEVON NEC 5D KIRBY 5-22-75-5
Licensee DEVON NEC CORPORATION
Well Type OIL SAND EVALUATION
Substance Name CRUDE BITUMEN
Formation Name MCMURRAY FM

Surface Location LSD 05-22-075-05 W4M

Surface Co-ordinates 656.3 metres North 262.3 metres East

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID 1AA/05-22-075-05W4/0 Surface Rights ALBERTA CROWN

Field KIRBY Mineral Rights ALBERTA CROWN

Projected Depth 430 metres

Lahee / Confidential Status OV(C)

Field Centre BONNYVILLE Terminating Zone WOODBEND GRP

(Ph. (780) 826-5352) Ground Elevation 623.0 metres

Emergency Planning Zone N/A km

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ N/A

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 26th day of November 2017 if well has not been spudded.

Dated at Calgary, Alberta this

26th day of November 2015.

Application Number 1844144

For Alberta Energy Regulator



Licence No. 0477871
Well Name DEVON NEC 4D KIRBY 4-29-75-5
Licensee DEVON NEC CORPORATION
Well Type OIL SAND EVALUATION
Substance Name CRUDE BITUMEN
Formation Name MCMURRAY FM

Surface Location LSD 04-29-075-05 W4M

Surface Co-ordinates 345.4 metres North 331.0 metres East

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID 1AA/04-29-075-05W4/0 Surface Rights ALBERTA CROWN

Field KIRBY Mineral Rights ALBERTA CROWN

Projected Depth 436 metres

Lahee / Confidential Status OV(C)

Field Centre BONNYVILLE Terminating Zone WOODBEND GRP

(Ph. (780) 826-5352) Ground Elevation 615.9 metres

Emergency Planning Zone N/A km

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ N/A

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 26th day of November 2017 if well has not been spudded.

Dated at Calgary, Alberta this

26th day of November 2015.

Application Number 1844144

For Alberta Energy Regulator



Licence No. 0477877
Well Name DEVON NEC 10B KIRBY 10-31-75-5
Licensee DEVON NEC CORPORATION
Well Type OIL SAND EVALUATION
Substance Name CRUDE BITUMEN
Formation Name MCMURRAY FM

Surface Location LSD 10-31-075-05 W4M
Surface Co-ordinates 653.2 metres South 773.1 metres West

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID	1AA/10-31-075-05W4/0	Surface Rights	ALBERTA CROWN
Field	KIRBY	Mineral Rights	ALBERTA CROWN
Lahee / Confidential Status	OV(C)	Projected Depth	430 metres
Field Centre	BONNYVILLE (Ph. (780) 826-5352)	Terminating Zone	WOODBEND GRP
Emergency Planning Zone	N/A km	Ground Elevation	604.0 metres

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ N/A

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 26th day of November 2017 if well has not been spudded.

Dated at Calgary, Alberta this

26th day of November 2015.

Application Number 1844144

For Alberta Energy Regulator



Licence No. 0477874
Well Name DEVON NEC 1C KIRBY 1-4-76-5
Licensee DEVON NEC CORPORATION
Well Type OIL SAND EVALUATION
Substance Name CRUDE BITUMEN
Formation Name MCMURRAY FM

Surface Location LSD 01-04-076-05 W4M

Surface Co-ordinates 356.1 metres North 325.6 metres West

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID 1AA/01-04-076-05W4/0 Surface Rights ALBERTA CROWN

Field KIRBY Mineral Rights ALBERTA CROWN

Projected Depth 435 metres

Lahee / Confidential Status OV(C)

Field Centre BONNYVILLE Terminating Zone WOODBEND GRP

(Ph. (780) 826-5352) Ground Elevation 610.6 metres

Emergency Planning Zone N/A km

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ N/A

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 26th day of November 2017 if well has not been spudded.

Dated at Calgary, Alberta this

26th day of November 2015.

Application Number 1844144

For Alberta Energy Regulator



Licence No. 0477870
Well Name DEVON NEC 15D KIRBY 15-4-76-5
Licensee DEVON NEC CORPORATION
Well Type OIL SAND EVALUATION
Substance Name CRUDE BITUMEN
Formation Name MCMURRAY FM

Surface Location LSD 15-04-076-05 W4M
Surface Co-ordinates 161.3 metres South 518.5 metres West

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID 1AA/15-04-076-05W4/0 Surface Rights ALBERTA CROWN
Field KIRBY Mineral Rights ALBERTA CROWN
Projected Depth 430 metres

Lahee / Confidential Status OV(C)

Field Centre BONNYVILLE Terminating Zone WOODBEND GRP
(Ph. (780) 826-5352) Ground Elevation 598.2 metres

Emergency Planning Zone N/A km

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ N/A

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 26th day of November 2017 if well has not been spudded.

Dated at Calgary, Alberta this

26th day of November 2015.

Application Number 1844144

For Alberta Energy Regulator



WELL LICENCE

Licence No. 0477872
Well Name DEVON NEC 12C KIRBY 12-4-76-5
Licensee DEVON NEC CORPORATION
Well Type OIL SAND EVALUATION
Substance Name CRUDE BITUMEN
Formation Name MCMURRAY FM

Surface Location LSD 12-04-076-05 W4M

Surface Co-ordinates 404.1 metres South 164.2 metres East

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID 1AA/12-04-076-05W4/0 Surface Rights ALBERTA CROWN

Field KIRBY Mineral Rights ALBERTA CROWN

Projected Depth 442 metres

Lahee / Confidential Status OV(C)

Field Centre BONNYVILLE Terminating Zone WOODBEND GRP

(Ph. (780) 826-5352) Ground Elevation 607.2 metres

Emergency Planning Zone N/A km

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ N/A

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 26th day of November 2017 if well has not been spudded.

Dated at Calgary, Alberta this

26th day of November 2015.

Application Number 1844144

For Alberta Energy Regulator



Licence No. 0477875
Well Name DEVON NEC 2B KIRBY 2-22-75-6
Licensee DEVON NEC CORPORATION
Well Type OIL SAND EVALUATION
Substance Name CRUDE BITUMEN
Formation Name MCMURRAY FM

Surface Location LSD 02-22-075-06 W4M
Surface Co-ordinates 175.3 metres North 722.0 metres West

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID	1AA/02-22-075-06W4/0	Surface Rights	ALBERTA CROWN
Field	KIRBY	Mineral Rights	ALBERTA CROWN
Lahee / Confidential Status	OV(C)	Projected Depth	483 metres
Field Centre	BONNYVILLE (Ph. (780) 826-5352)	Terminating Zone	WOODBEND GRP
Emergency Planning Zone	N/A km	Ground Elevation	621.4 metres

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ N/A

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 26th day of November 2017 if well has not been spudded.

Dated at Calgary, Alberta this

26th day of November 2015.

Application Number 1844144

For Alberta Energy Regulator



Licence No. 0477878
Well Name DEVON NEC 6B KIRBY 6-5-76-5
Licensee DEVON NEC CORPORATION
Well Type OIL SAND EVALUATION
Substance Name CRUDE BITUMEN
Formation Name MCMURRAY FM

Surface Location LSD 06-05-076-05 W4M

Surface Co-ordinates 582.5 metres North 428.2 metres East

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID 1AB/06-05-076-05W4/0 Surface Rights ALBERTA CROWN

Field KIRBY Mineral Rights ALBERTA CROWN

Projected Depth 446 metres

Lahee / Confidential Status OV(C)

Field Centre BONNYVILLE Terminating Zone WOODBEND GRP

(Ph. (780) 826-5352) Ground Elevation 615.4 metres

Emergency Planning Zone N/A km

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ N/A

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 26th day of November 2017 if well has not been spudded.

Dated at Calgary, Alberta this

26th day of November 2015.

Application Number 1844144

For Alberta Energy Regulator



Licence No. 0477888
Well Name DEVON NEC 11D KIRBY 11-22-75-6
Licensee DEVON NEC CORPORATION
Well Type OIL SAND EVALUATION
Substance Name CRUDE BITUMEN
Formation Name MCMURRAY FM

Surface Location LSD 11-22-075-06 W4M

Surface Co-ordinates 522.8 metres South 664.9 metres East

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID 1AA/11-22-075-06W4/0 Surface Rights ALBERTA CROWN

Field KIRBY Mineral Rights ALBERTA CROWN

Projected Depth 453 metres

Lahee / Confidential Status OV(C)

Field Centre BONNYVILLE Terminating Zone WOODBEND GRP

(Ph. (780) 826-5352) Ground Elevation 615.4 metres

Emergency Planning Zone N/A km

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ N/A

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 26th day of November 2017 if well has not been spudded.

Dated at Calgary, Alberta this

26th day of November 2015.

Application Number 1844146

For Alberta Energy Regulator



WELL LICENCE

Licence No. 0477882
Well Name DEVON NEC 13B KIRBY 13-22-75-6
Licensee DEVON NEC CORPORATION
Well Type OIL SAND EVALUATION
Substance Name CRUDE BITUMEN
Formation Name MCMURRAY FM

Surface Location LSD 13-22-075-06 W4M

Surface Co-ordinates 292.4 metres South 174.1 metres East

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID 1AA/13-22-075-06W4/0 Surface Rights ALBERTA CROWN

Field KIRBY Mineral Rights ALBERTA CROWN

Projected Depth 447 metres

Lahee / Confidential Status OV(C)

Field Centre BONNYVILLE Terminating Zone WOODBEND GRP

(Ph. (780) 826-5352) Ground Elevation 620.4 metres

Emergency Planning Zone N/A km

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ N/A

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 26th day of November 2017 if well has not been spudded.

Dated at Calgary, Alberta this

26th day of November 2015.

Application Number 1844146

For Alberta Energy Regulator



Licence No. 0477885
Well Name DEVON NEC 12C KIRBY 12-29-75-5
Licensee DEVON NEC CORPORATION
Well Type OIL SAND EVALUATION
Substance Name CRUDE BITUMEN
Formation Name MCMURRAY FM

Surface Location LSD 12-29-075-05 W4M

Surface Co-ordinates 494.3 metres South 147.0 metres East

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID 1AB/12-29-075-05W4/0 Surface Rights ALBERTA CROWN

Field KIRBY Mineral Rights ALBERTA CROWN

Projected Depth 438 metres

Lahee / Confidential Status OV(C)

Field Centre BONNYVILLE Terminating Zone WOODBEND GRP

(Ph. (780) 826-5352) Ground Elevation 616.8 metres

Emergency Planning Zone N/A km

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ N/A

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 26th day of November 2017 if well has not been spudded.

Dated at Calgary, Alberta this

26th day of November 2015.

Application Number 1844146

For Alberta Energy Regulator



WELL LICENCE

Licence No. 0477879
Well Name DEVON NEC 13D KIRBY 13-29-75-5
Licensee DEVON NEC CORPORATION
Well Type OIL SAND EVALUATION
Substance Name CRUDE BITUMEN
Formation Name MCMURRAY FM

Surface Location LSD 12-29-075-05 W4M

Surface Co-ordinates 494.3 metres South 147.0 metres East

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID 1AA/13-29-075-05W4/0 Surface Rights ALBERTA CROWN

Field KIRBY Mineral Rights ALBERTA CROWN

Projected Depth 572 metres

Lahee / Confidential Status OV(C)

Field Centre BONNYVILLE Terminating Zone WOODBEND GRP

(Ph. (780) 826-5352) Ground Elevation 616.8 metres

Emergency Planning Zone N/A km

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ N/A

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 26th day of November 2017 if well has not been spudded.

Dated at Calgary, Alberta this

26th day of November 2015.

Application Number 1844146

For Alberta Energy Regulator



Licence No. 0477889
Well Name DEVON NEC 3D KIRBY 3-30-75-5
Licensee DEVON NEC CORPORATION
Well Type OIL SAND EVALUATION
Substance Name CRUDE BITUMEN
Formation Name MCMURRAY FM

Surface Location LSD 03-30-075-05 W4M

Surface Co-ordinates 375.6 metres North 662.2 metres East

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID 1AA/03-30-075-05W4/0 Surface Rights ALBERTA CROWN

Field KIRBY Mineral Rights ALBERTA CROWN

Projected Depth 438 metres

Lahee / Confidential Status OV(C)

Field Centre BONNYVILLE Terminating Zone WOODBEND GRP

(Ph. (780) 826-5352) Ground Elevation 618.8 metres

Emergency Planning Zone N/A km

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ N/A

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 26th day of November 2017 if well has not been spudded.

Dated at Calgary, Alberta this

26th day of November 2015.

Application Number 1844146

For Alberta Energy Regulator



WELL LICENCE

Licence No. 0477883
Well Name DEVON NEC 14A KIRBY 14-30-75-5
Licensee DEVON NEC CORPORATION
Well Type OIL SAND EVALUATION
Substance Name CRUDE BITUMEN
Formation Name MCMURRAY FM

Surface Location LSD 14-30-075-05 W4M

Surface Co-ordinates 229.6 metres South 705.7 metres East

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID 1AA/14-30-075-05W4/0 Surface Rights ALBERTA CROWN

Field KIRBY Mineral Rights ALBERTA CROWN

Projected Depth 436 metres

Lahee / Confidential Status OV(C)

Field Centre BONNYVILLE Terminating Zone WOODBEND GRP

(Ph. (780) 826-5352) Ground Elevation 615.0 metres

Emergency Planning Zone N/A km

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ N/A

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 26th day of November 2017 if well has not been spudded.

Dated at Calgary, Alberta this

26th day of November 2015.

Application Number 1844146

For Alberta Energy Regulator



WELL LICENCE

Licence No. 0477886
Well Name DEVON NEC 16B KIRBY 16-30-75-5
Licensee DEVON NEC CORPORATION
Well Type OIL SAND EVALUATION
Substance Name CRUDE BITUMEN
Formation Name MCMURRAY FM

Surface Location LSD 16-30-075-05 W4M

Surface Co-ordinates 280.7 metres South 209.3 metres West

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID 1AA/16-30-075-05W4/0 Surface Rights ALBERTA CROWN

Field KIRBY Mineral Rights ALBERTA CROWN

Projected Depth 440 metres

Lahee / Confidential Status OV(C)

Field Centre BONNYVILLE Terminating Zone WOODBEND GRP

(Ph. (780) 826-5352) Ground Elevation 615.9 metres

Emergency Planning Zone N/A km

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ N/A

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 26th day of November 2017 if well has not been spudded.

Dated at Calgary, Alberta this

26th day of November 2015.

Application Number 1844146

For Alberta Energy Regulator



WELL LICENCE

Licence No. 0477880
Well Name DEVON NEC 4C KIRBY 4-31-75-5
Licensee DEVON NEC CORPORATION
Well Type OIL SAND EVALUATION
Substance Name CRUDE BITUMEN
Formation Name MCMURRAY FM

Surface Location LSD 04-31-075-05 W4M

Surface Co-ordinates 356.2 metres North 69.7 metres East

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID 1AA/04-31-075-05W4/0 Surface Rights ALBERTA CROWN

Field KIRBY Mineral Rights ALBERTA CROWN

Projected Depth 444 metres

Lahee / Confidential Status OV(C)

Field Centre BONNYVILLE Terminating Zone WOODBEND GRP

(Ph. (780) 826-5352) Ground Elevation 600.6 metres

Emergency Planning Zone N/A km

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ N/A

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 26th day of November 2017 if well has not been spudded.

Dated at Calgary, Alberta this

26th day of November 2015.

Application Number 1844146

For Alberta Energy Regulator



Licence No. 0477890
Well Name DEVON NEC 8B KIRBY 8-31-75-5
Licensee DEVON NEC CORPORATION
Well Type OIL SAND EVALUATION
Substance Name CRUDE BITUMEN
Formation Name MCMURRAY FM

Surface Location LSD 08-31-075-05 W4M

Surface Co-ordinates 485.7 metres North 274.0 metres West

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID 1AA/08-31-075-05W4/0 Surface Rights ALBERTA CROWN

Field KIRBY Mineral Rights ALBERTA CROWN

Projected Depth 442 metres

Lahee / Confidential Status OV(C)

Field Centre BONNYVILLE Terminating Zone WOODBEND GRP

(Ph. (780) 826-5352) Ground Elevation 613.6 metres

Emergency Planning Zone N/A km

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ N/A

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 26th day of November 2017 if well has not been spudded.

Dated at Calgary, Alberta this

26th day of November 2015.

Application Number 1844146

For Alberta Energy Regulator



Licence No. 0477890
Well Name DEVON NEC 8B KIRBY 8-31-75-5
Licensee DEVON NEC CORPORATION
Well Type OIL SAND EVALUATION
Substance Name CRUDE BITUMEN
Formation Name MCMURRAY FM

Surface Location LSD 08-31-075-05 W4M

Surface Co-ordinates 485.7 metres North 274.0 metres West

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID 1AA/08-31-075-05W4/0 Surface Rights ALBERTA CROWN

Field KIRBY Mineral Rights ALBERTA CROWN

Projected Depth 442 metres

Lahee / Confidential Status OV(C)

Field Centre BONNYVILLE Terminating Zone WOODBEND GRP

(Ph. (780) 826-5352) Ground Elevation 613.6 metres

Emergency Planning Zone N/A km

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ N/A

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 26th day of November 2017 if well has not been spudded.

Dated at Calgary, Alberta this

26th day of November 2015.

Application Number 1844146

For Alberta Energy Regulator



WELL LICENCE

Licence No. 0477884
Well Name DEVON NEC 12C KIRBY 12-31-75-5
Licensee DEVON NEC CORPORATION
Well Type OIL SAND EVALUATION
Substance Name CRUDE BITUMEN
Formation Name MCMURRAY FM

Surface Location LSD 12-31-075-05 W4M

Surface Co-ordinates 436.1 metres South 121.4 metres East

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID 1AA/12-31-075-05W4/0 Surface Rights ALBERTA CROWN

Field KIRBY Mineral Rights ALBERTA CROWN

Projected Depth 449 metres

Lahee / Confidential Status OV(C)

Field Centre BONNYVILLE Terminating Zone WOODBEND GRP

(Ph. (780) 826-5352) Ground Elevation 602.0 metres

Emergency Planning Zone N/A km

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ N/A

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 26th day of November 2017 if well has not been spudded.

Dated at Calgary, Alberta this

26th day of November 2015.

Application Number 1844146

For Alberta Energy Regulator



WELL LICENCE

Licence No. 0477887
Well Name DEVON NEC 3A KIRBY 3-31-75-5
Licensee DEVON NEC CORPORATION
Well Type OIL SAND EVALUATION
Substance Name CRUDE BITUMEN
Formation Name MCMURRAY FM

Surface Location LSD 03-31-075-05 W4M

Surface Co-ordinates 198.3 metres North 709.8 metres East

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID 1AB/03-31-075-05W4/0 Surface Rights ALBERTA CROWN

Field KIRBY Mineral Rights ALBERTA CROWN

Projected Depth 436 metres

Lahee / Confidential Status OV(C)

Field Centre BONNYVILLE Terminating Zone WOODBEND GRP

(Ph. (780) 826-5352) Ground Elevation 608.9 metres

Emergency Planning Zone N/A km

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ N/A

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 26th day of November 2017 if well has not been spudded.

Dated at Calgary, Alberta this

26th day of November 2015.

Application Number 1844146

For Alberta Energy Regulator



Licence No. 0477881
Well Name DEVON NEC 5A KIRBY 5-32-75-5
Licensee DEVON NEC CORPORATION
Well Type OIL SAND EVALUATION
Substance Name CRUDE BITUMEN
Formation Name MCMURRAY FM

Surface Location LSD 05-32-075-05 W4M

Surface Co-ordinates 471.0 metres North 378.7 metres East

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID 1AB/05-32-075-05W4/0 Surface Rights ALBERTA CROWN

Field KIRBY Mineral Rights ALBERTA CROWN

Projected Depth 447 metres

Lahee / Confidential Status OV(C)

Field Centre BONNYVILLE Terminating Zone WOODBEND GRP

(Ph. (780) 826-5352) Ground Elevation 616.8 metres

Emergency Planning Zone N/A km

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ N/A

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 26th day of November 2017 if well has not been spudded.

Dated at Calgary, Alberta this

26th day of November 2015.

Application Number 1844146

For Alberta Energy Regulator



Licence No. 0477891
Well Name DEVON NEC 15D KIRBY 15-33-75-5
Licensee DEVON NEC CORPORATION
Well Type OIL SAND EVALUATION
Substance Name CRUDE BITUMEN
Formation Name MCMURRAY FM

Surface Location LSD 15-33-075-05 W4M

Surface Co-ordinates 193.3 metres South 506.6 metres West

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID 1AA/15-33-075-05W4/0 Surface Rights ALBERTA CROWN

Field KIRBY Mineral Rights ALBERTA CROWN

Projected Depth 432 metres

Lahee / Confidential Status OV(C)

Field Centre BONNYVILLE Terminating Zone WOODBEND GRP
(Ph. (780) 826-5352) Ground Elevation 614.6 metres

Emergency Planning Zone N/A km

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ N/A

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 26th day of November 2017 if well has not been spudded.

Dated at Calgary, Alberta this

26th day of November 2015.

Application Number 1844146

For Alberta Energy Regulator



Licence No. 0477898
Well Name DEVON NEC 7C KIRBY 7-32-75-5
Licensee DEVON NEC CORPORATION
Well Type OIL SAND EVALUATION
Substance Name CRUDE BITUMEN
Formation Name MCMURRAY FM

Surface Location LSD 07-32-075-05 W4M
Surface Co-ordinates 642.1 metres North 754.5 metres West

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID 1AB/07-32-075-05W4/0 Surface Rights ALBERTA CROWN
Field KIRBY Mineral Rights ALBERTA CROWN
Projected Depth 438 metres

Lahee / Confidential Status OV(C)

Field Centre BONNYVILLE Terminating Zone WOODBEND GRP
(Ph. (780) 826-5352) Ground Elevation 616.2 metres

Emergency Planning Zone N/A km

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ N/A

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 26th day of November 2017 if well has not been spudded.

Dated at Calgary, Alberta this

26th day of November 2015.

Application Number 1844147

For Alberta Energy Regulator



WELL LICENCE

Licence No. 0477895
Well Name DEVON NEC 11B KIRBY 11-32-75-5
Licensee DEVON NEC CORPORATION
Well Type OIL SAND EVALUATION
Substance Name CRUDE BITUMEN
Formation Name MCMURRAY FM

Surface Location LSD 11-32-075-05 W4M

Surface Co-ordinates 633.2 metres South 415.4 metres East

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID 1AA/11-32-075-05W4/0 Surface Rights ALBERTA CROWN

Field KIRBY Mineral Rights ALBERTA CROWN

Projected Depth 444 metres

Lahee / Confidential Status OV(C)

Field Centre BONNYVILLE Terminating Zone WOODBEND GRP

(Ph. (780) 826-5352) Ground Elevation 615.2 metres

Emergency Planning Zone N/A km

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ N/A

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 26th day of November 2017 if well has not been spudded.

Dated at Calgary, Alberta this

26th day of November 2015.

Application Number 1844147

For Alberta Energy Regulator



Licence No. 0477892
Well Name DEVON NEC 5B KIRBY 5-33-75-5
Licensee DEVON NEC CORPORATION
Well Type OIL SAND EVALUATION
Substance Name CRUDE BITUMEN
Formation Name MCMURRAY FM

Surface Location LSD 05-33-075-05 W4M

Surface Co-ordinates 521.1 metres North 109.1 metres East

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID 1AA/05-33-075-05W4/0 Surface Rights ALBERTA CROWN

Field KIRBY Mineral Rights ALBERTA CROWN

Projected Depth 434 metres

Lahee / Confidential Status OV(C)

Field Centre BONNYVILLE Terminating Zone WOODBEND GRP

(Ph. (780) 826-5352) Ground Elevation 613.4 metres

Emergency Planning Zone N/A km

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ N/A

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 26th day of November 2017 if well has not been spudded.

Dated at Calgary, Alberta this

26th day of November 2015.

Application Number 1844147

For Alberta Energy Regulator



Licence No. 0477902
Well Name DEVON NEC 3B KIRBY 3-4-76-5
Licensee DEVON NEC CORPORATION
Well Type OIL SAND EVALUATION
Substance Name CRUDE BITUMEN
Formation Name MCMURRAY FM

Surface Location LSD 02-04-076-05 W4M

Surface Co-ordinates 166.6 metres North 760.4 metres West

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID 1AA/03-04-076-05W4/0 Surface Rights ALBERTA CROWN

Field KIRBY Mineral Rights ALBERTA CROWN

Projected Depth 521 metres

Lahee / Confidential Status OV(C)

Field Centre BONNYVILLE Terminating Zone WOODBEND GRP

(Ph. (780) 826-5352) Ground Elevation 614.3 metres

Emergency Planning Zone N/A km

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ N/A

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 26th day of November 2017 if well has not been spudded.

Dated at Calgary, Alberta this

26th day of November 2015.

Application Number 1844147

For Alberta Energy Regulator



WELL LICENCE

Licence No. 0477899
Well Name DEVON NEC 5A KIRBY 5-19-75-5
Licensee DEVON NEC CORPORATION
Well Type OIL SAND EVALUATION
Substance Name CRUDE BITUMEN
Formation Name MCMURRAY FM

Surface Location LSD 05-19-075-05 W4M

Surface Co-ordinates 528.0 metres North 277.8 metres East

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID 1AA/05-19-075-05W4/0 Surface Rights ALBERTA CROWN

Field KIRBY Mineral Rights ALBERTA CROWN

Projected Depth 478 metres

Lahee / Confidential Status OV(C)

Field Centre BONNYVILLE Terminating Zone WOODBEND GRP

(Ph. (780) 826-5352) Ground Elevation 633.1 metres

Emergency Planning Zone N/A km

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ N/A

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 26th day of November 2017 if well has not been spudded.

Dated at Calgary, Alberta this

26th day of November 2015.

Application Number 1844147

For Alberta Energy Regulator



WELL LICENCE

Licence No. 0477896
Well Name DEVON NEC 7C KIRBY 7-19-75-5
Licensee DEVON NEC CORPORATION
Well Type OIL SAND EVALUATION
Substance Name CRUDE BITUMEN
Formation Name MCMURRAY FM

Surface Location LSD 07-19-075-05 W4M

Surface Co-ordinates 726.7 metres North 646.1 metres West

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID 1AA/07-19-075-05W4/0 Surface Rights ALBERTA CROWN

Field KIRBY Mineral Rights ALBERTA CROWN

Projected Depth 443 metres

Lahee / Confidential Status OV(C)

Field Centre BONNYVILLE Terminating Zone WOODBEND GRP

(Ph. (780) 826-5352) Ground Elevation 620.5 metres

Emergency Planning Zone N/A km

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ N/A

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 26th day of November 2017 if well has not been spudded.

Dated at Calgary, Alberta this

26th day of November 2015.

Application Number 1844147

For Alberta Energy Regulator



WELL LICENCE

Licence No. 0477893
Well Name DEVON NEC 8C KIRBY 8-19-75-5
Licensee DEVON NEC CORPORATION
Well Type OIL SAND EVALUATION
Substance Name CRUDE BITUMEN
Formation Name MCMURRAY FM

Surface Location LSD 08-19-075-05 W4M

Surface Co-ordinates 622.6 metres North 255.7 metres West

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID 1AA/08-19-075-05W4/0 Surface Rights ALBERTA CROWN

Field KIRBY Mineral Rights ALBERTA CROWN

Projected Depth 441 metres

Lahee / Confidential Status OV(C)

Field Centre BONNYVILLE Terminating Zone WOODBEND GRP

(Ph. (780) 826-5352) Ground Elevation 619.4 metres

Emergency Planning Zone N/A km

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ N/A

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 26th day of November 2017 if well has not been spudded.

Dated at Calgary, Alberta this

26th day of November 2015.

Application Number 1844147

For Alberta Energy Regulator



WELL LICENCE

Licence No. 0477903
Well Name DEVON NEC 8C KIRBY 8-20-75-5
Licensee DEVON NEC CORPORATION
Well Type OIL SAND EVALUATION
Substance Name CRUDE BITUMEN
Formation Name MCMURRAY FM

Surface Location LSD 08-20-075-05 W4M

Surface Co-ordinates 611.2 metres North 268.9 metres West

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID 1AA/08-20-075-05W4/0 Surface Rights ALBERTA CROWN

Field KIRBY Mineral Rights ALBERTA CROWN

Projected Depth 441 metres

Lahee / Confidential Status OV(C)

Field Centre BONNYVILLE Terminating Zone WOODBEND GRP

(Ph. (780) 826-5352) Ground Elevation 617.1 metres

Emergency Planning Zone N/A km

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ N/A

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 26th day of November 2017 if well has not been spudded.

Dated at Calgary, Alberta this

26th day of November 2015.

Application Number 1844147

For Alberta Energy Regulator



WELL LICENCE

Licence No. 0477900
Well Name DEVON NEC 2B KIRBY 2-25-75-6
Licensee DEVON NEC CORPORATION
Well Type OIL SAND EVALUATION
Substance Name CRUDE BITUMEN
Formation Name MCMURRAY FM

Surface Location LSD 02-25-075-06 W4M

Surface Co-ordinates 83.5 metres North 681.7 metres West

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID 1AA/02-25-075-06W4/0 Surface Rights ALBERTA CROWN

Field KIRBY Mineral Rights ALBERTA CROWN

Projected Depth 467 metres

Lahee / Confidential Status OV(C)

Field Centre BONNYVILLE Terminating Zone WOODBEND GRP

(Ph. (780) 826-5352) Ground Elevation 627.2 metres

Emergency Planning Zone N/A km

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ N/A

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 26th day of November 2017 if well has not been spudded.

Dated at Calgary, Alberta this

26th day of November 2015.

Application Number 1844147

For Alberta Energy Regulator



Licence No. 0477897
Well Name DEVON NEC 4A KIRBY 4-25-75-6
Licensee DEVON NEC CORPORATION
Well Type OIL SAND EVALUATION
Substance Name CRUDE BITUMEN
Formation Name MCMURRAY FM

Surface Location LSD 04-25-075-06 W4M

Surface Co-ordinates 80.3 metres North 374.4 metres East

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID 1AA/04-25-075-06W4/0 Surface Rights ALBERTA CROWN

Field KIRBY Mineral Rights ALBERTA CROWN

Projected Depth 461 metres

Lahee / Confidential Status OV(C)

Field Centre BONNYVILLE Terminating Zone WOODBEND GRP

(Ph. (780) 826-5352) Ground Elevation 619.7 metres

Emergency Planning Zone N/A km

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ N/A

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 26th day of November 2017 if well has not been spudded.

Dated at Calgary, Alberta this

26th day of November 2015.

Application Number 1844147

For Alberta Energy Regulator



WELL LICENCE

Licence No. 0477894
Well Name DEVON NEC 5A KIRBY 5-25-75-6
Licensee DEVON NEC CORPORATION
Well Type OIL SAND EVALUATION

Substance Name
CRUDE BITUMEN

Formation Name
MCMURRAY FM

Surface Location LSD 03-25-075-06 W4M

Surface Co-ordinates 379.6 metres North 568.8 metres East

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID 1AA/05-25-075-06W4/0

Surface Rights ALBERTA CROWN

Field KIRBY

Mineral Rights ALBERTA CROWN

Projected Depth 601 metres

Lahee / Confidential Status OV(C)

Field Centre BONNYVILLE
(Ph. (780) 826-5352)

Terminating Zone WOODBEND GRP

Ground Elevation 617.9 metres

Emergency Planning Zone N/A km

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ N/A

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 26th day of November 2017 if well has not been spudded.

Dated at Calgary, Alberta this

26th day of November 2015.

Application Number 1844147

For Alberta Energy Regulator



WELL LICENCE

Licence No. 0477904
Well Name DEVON NEC 10C KIRBY 10-25-75-6
Licensee DEVON NEC CORPORATION
Well Type OIL SAND EVALUATION
Substance Name CRUDE BITUMEN
Formation Name MCMURRAY FM

Surface Location LSD 10-25-075-06 W4M

Surface Co-ordinates 518.6 metres South 644.6 metres West

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID 1AA/10-25-075-06W4/0 Surface Rights ALBERTA CROWN

Field KIRBY Mineral Rights ALBERTA CROWN

Projected Depth 450 metres

Lahee / Confidential Status OV(C)

Field Centre BONNYVILLE Terminating Zone WOODBEND GRP
(Ph. (780) 826-5352) Ground Elevation 605.3 metres

Emergency Planning Zone N/A km

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ N/A

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 26th day of November 2017 if well has not been spudded.

Dated at Calgary, Alberta this

26th day of November 2015.

Application Number 1844147

For Alberta Energy Regulator



WELL LICENCE

Licence No. 0477901
Well Name DEVON NEC 11C KIRBY 11-25-75-6
Licensee DEVON NEC CORPORATION
Well Type OIL SAND EVALUATION
Substance Name CRUDE BITUMEN
Formation Name MCMURRAY FM

Surface Location LSD 11-25-075-06 W4M

Surface Co-ordinates 497.6 metres South 585.1 metres East

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID 1AA/11-25-075-06W4/0 Surface Rights ALBERTA CROWN

Field KIRBY Mineral Rights ALBERTA CROWN

Projected Depth 445 metres

Lahee / Confidential Status OV(C)

Field Centre BONNYVILLE Terminating Zone WOODBEND GRP

(Ph. (780) 826-5352) Ground Elevation 604.0 metres

Emergency Planning Zone N/A km

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ N/A

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 26th day of November 2017 if well has not been spudded.

Dated at Calgary, Alberta this

26th day of November 2015.

Application Number 1844147

For Alberta Energy Regulator



Licence No. 0477908
Well Name DEVON NEC 2D KIRBY 2-24-75-6
Licensee DEVON NEC CORPORATION
Well Type OIL SAND EVALUATION

Substance Name
CRUDE BITUMEN

Formation Name
MCMURRAY FM

Surface Location LSD 02-24-075-06 W4M

Surface Co-ordinates 297.6 metres North 553.0 metres West

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID 1AA/02-24-075-06W4/0

Surface Rights ALBERTA CROWN

Field KIRBY

Mineral Rights ALBERTA CROWN

Projected Depth 475 metres

Lahee / Confidential Status OV(C)

Field Centre BONNYVILLE
(Ph. (780) 826-5352)

Terminating Zone BEAVERHILL LAKE GRP

Ground Elevation 635.2 metres

Emergency Planning Zone N/A km

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ N/A

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 26th day of November 2017 if well has not been spudded.

Dated at Calgary, Alberta this

26th day of November 2015.

Application Number 1844148

For Alberta Energy Regulator



WELL LICENCE

Licence No. 0477909
Well Name DEVON NEC 5A KIRBY 5-24-75-6
Licensee DEVON NEC CORPORATION
Well Type OIL SAND EVALUATION

Substance Name
CRUDE BITUMEN

Formation Name
MCMURRAY FM

Surface Location LSD 03-24-075-06 W4M

Surface Co-ordinates 237.0 metres North 486.3 metres East

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID 1AA/05-24-075-06W4/0

Surface Rights ALBERTA CROWN

Field KIRBY

Mineral Rights ALBERTA CROWN

Projected Depth 524 metres

Lahee / Confidential Status OV(C)

Field Centre BONNYVILLE
(Ph. (780) 826-5352)

Terminating Zone BEAVERHILL LAKE GRP

Ground Elevation 629.8 metres

Emergency Planning Zone N/A km

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ N/A

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 26th day of November 2017 if well has not been spudded.

Dated at Calgary, Alberta this

26th day of November 2015.

Application Number 1844148

For Alberta Energy Regulator



WELL LICENCE

Licence No. 0477907
Well Name DEVON NEC 10C KIRBY 10-24-75-6
Licensee DEVON NEC CORPORATION
Well Type OIL SAND EVALUATION
Substance Name CRUDE BITUMEN
Formation Name MCMURRAY FM

Surface Location LSD 10-24-075-06 W4M
Surface Co-ordinates 538.1 metres South 794.9 metres West

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID 1AB/10-24-075-06W4/0 Surface Rights ALBERTA CROWN
Field KIRBY Mineral Rights ALBERTA CROWN
Projected Depth 470 metres
Lahee / Confidential Status OV(C)
Field Centre BONNYVILLE Terminating Zone BEAVERHILL LAKE GRP
(Ph. (780) 826-5352) Ground Elevation 632.8 metres
Emergency Planning Zone N/A km

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ N/A

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 26th day of November 2017 if well has not been spudded.

Dated at Calgary, Alberta this

26th day of November 2015.

Application Number 1844148

For Alberta Energy Regulator



WELL LICENCE

Licence No. 0477912
Well Name DEVON 12D CONKLIN 12-28-75-7
Licensee DEVON CANADA CORPORATION
Well Type OIL SAND EVALUATION

Substance Name
CRUDE BITUMEN

Formation Name
MCMURRAY FM

Surface Location LSD 12-28-075-07 W4M

Surface Co-ordinates 476.8 metres South 372.6 metres East

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID 1AA/12-28-075-07W4/0

Surface Rights ALBERTA CROWN

Field UNDEFINED

Mineral Rights ALBERTA CROWN

Projected Depth 495 metres

Lahee / Confidential Status OV(C)

Field Centre BONNYVILLE
(Ph. (780) 826-5352)

Terminating Zone MCMURRAY FM

Ground Elevation 660.7 metres

Emergency Planning Zone N/A km

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ N/A

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 26th day of November 2017 if well has not been spudded.

Dated at Calgary, Alberta this

26th day of November 2015.

Application Number 1844153

For Alberta Energy Regulator



Licence No. 0477910
Well Name DEVON 12D CONKLIN 12-29-75-7
Licensee DEVON CANADA CORPORATION
Well Type OIL SAND EVALUATION

Substance Name
CRUDE BITUMEN

Formation Name
MCMURRAY FM

Surface Location LSD 12-29-075-07 W4M

Surface Co-ordinates 490.3 metres South 273.4 metres East

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID 1AB/12-29-075-07W4/0

Surface Rights ALBERTA CROWN

Field UNDEFINED

Mineral Rights ALBERTA CROWN

Projected Depth 494 metres

Lahee / Confidential Status OV(C)

Field Centre BONNYVILLE
(Ph. (780) 826-5352)

Terminating Zone MCMURRAY FM

Ground Elevation 658.9 metres

Emergency Planning Zone N/A km

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ N/A

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 26th day of November 2017 if well has not been spudded.

Dated at Calgary, Alberta this

26th day of November 2015.

Application Number 1844153

For Alberta Energy Regulator



WELL LICENCE

Licence No. 0477911
Well Name DEVON 5B CONKLIN 5-28-75-7
Licensee DEVON CANADA CORPORATION
Well Type OIL SAND EVALUATION

Substance Name
CRUDE BITUMEN

Formation Name
MCMURRAY FM

Surface Location LSD 05-28-075-07 W4M

Surface Co-ordinates 539.9 metres North 103.4 metres East

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID 1AA/05-28-075-07W4/0

Surface Rights ALBERTA CROWN

Field UNDEFINED

Mineral Rights ALBERTA CROWN

Projected Depth 505 metres

Lahee / Confidential Status OV(C)

Field Centre BONNYVILLE
(Ph. (780) 826-5352)

Terminating Zone MCMURRAY FM

Ground Elevation 663.2 metres

Emergency Planning Zone N/A km

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ N/A

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 26th day of November 2017 if well has not been spudded.

Dated at Calgary, Alberta this

26th day of November 2015.

Application Number 1844153

For Alberta Energy Regulator



WELL LICENCE

Licence No. 0477913
Well Name DEVON 7B CONKLIN 7-30-75-7
Licensee DEVON CANADA CORPORATION
Well Type OIL SAND EVALUATION

Substance Name
CRUDE BITUMEN

Formation Name
MCMURRAY FM

Surface Location LSD 07-30-075-07 W4M

Surface Co-ordinates 508.9 metres North 706.0 metres West

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID 1AB/07-30-075-07W4/0

Surface Rights ALBERTA CROWN

Field UNDEFINED

Mineral Rights ALBERTA CROWN

Projected Depth 490 metres

Lahee / Confidential Status OV(C)

Field Centre BONNYVILLE
(Ph. (780) 826-5352)

Terminating Zone MCMURRAY FM

Ground Elevation 656.2 metres

Emergency Planning Zone N/A km

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ N/A

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 26th day of November 2017 if well has not been spudded.

Dated at Calgary, Alberta this

26th day of November 2015.

Application Number 1844153

For Alberta Energy Regulator



Licence No. 0477916
Well Name DEVON 11A CONKLIN 11-27-75-7
Licensee DEVON CANADA CORPORATION
Well Type OIL SAND EVALUATION

Substance Name
CRUDE BITUMEN

Formation Name
MCMURRAY FM

Surface Location LSD 11-27-075-07 W4M

Surface Co-ordinates 741.2 metres South 622.0 metres East

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID 1AB/11-27-075-07W4/0

Surface Rights ALBERTA CROWN

Field UNDEFINED

Mineral Rights ALBERTA CROWN

Projected Depth 513 metres

Lahee / Confidential Status OV(C)

Field Centre BONNYVILLE
(Ph. (780) 826-5352)

Terminating Zone BEAVERHILL LAKE GRP

Ground Elevation 673.0 metres

Emergency Planning Zone N/A km

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ N/A

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 26th day of November 2017 if well has not been spudded.

Dated at Calgary, Alberta this

26th day of November 2015.

Application Number 1844155

For Alberta Energy Regulator



Licence No. 0477917
Well Name DEVON 14C CONKLIN 14-27-75-7
Licensee DEVON CANADA CORPORATION
Well Type OIL SAND EVALUATION

Substance Name
CRUDE BITUMEN

Formation Name
MCMURRAY FM

Surface Location LSD 14-27-075-07 W4M

Surface Co-ordinates 376.4 metres South 537.7 metres East

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID 1AC/14-27-075-07W4/0

Surface Rights ALBERTA CROWN

Field UNDEFINED

Mineral Rights ALBERTA CROWN

Projected Depth 570 metres

Lahee / Confidential Status OV(C)

Field Centre BONNYVILLE
(Ph. (780) 826-5352)

Terminating Zone BEAVERHILL LAKE GRP

Ground Elevation 668.8 metres

Emergency Planning Zone N/A km

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ N/A

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 26th day of November 2017 if well has not been spudded.

Dated at Calgary, Alberta this

26th day of November 2015.

Application Number 1844155

For Alberta Energy Regulator



Licence No. 0477914
Well Name DEVON 7D LEISMER 7-33-75-6
Licensee DEVON CANADA CORPORATION
Well Type OIL SAND EVALUATION

Substance Name
CRUDE BITUMEN

Formation Name
MCMURRAY FM

Surface Location LSD 07-33-075-06 W4M

Surface Co-ordinates 792.9 metres North 570.7 metres West

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID 1AB/07-33-075-06W4/0

Surface Rights ALBERTA CROWN

Field LEISMER

Mineral Rights ALBERTA CROWN

Projected Depth 443 metres

Lahee / Confidential Status OV(C)

Field Centre BONNYVILLE
(Ph. (780) 826-5352)

Terminating Zone BEAVERHILL LAKE GRP

Ground Elevation 598.7 metres

Emergency Planning Zone N/A km

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ N/A

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 26th day of November 2017 if well has not been spudded.

Dated at Calgary, Alberta this

26th day of November 2015.

Application Number 1844155

For Alberta Energy Regulator



Licence No. 0477915
Well Name DEVON 8B LEISMER 8-33-75-6
Licensee DEVON CANADA CORPORATION
Well Type OIL SAND EVALUATION

Substance Name
CRUDE BITUMEN

Formation Name
MCMURRAY FM

Surface Location LSD 08-33-075-06 W4M

Surface Co-ordinates 493.8 metres North 236.3 metres West

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID 1AA/08-33-075-06W4/0

Surface Rights ALBERTA CROWN

Field LEISMER

Mineral Rights ALBERTA CROWN

Projected Depth 445 metres

Lahee /
Confidential
Status OV(C)

Field Centre BONNYVILLE
(Ph. (780) 826-5352)

Terminating Zone BEAVERHILL LAKE GRP

Ground Elevation 602.9 metres

Emergency
Planning Zone N/A km

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ N/A

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 26th day of November 2017 if well has not been spudded.

Dated at Calgary, Alberta this

26th day of November 2015.

Application Number 1844155

For Alberta Energy Regulator



WELL LICENCE

Licence No. 0477922
Well Name DEVON 10A CONKLIN 10-23-75-7
Licensee DEVON CANADA CORPORATION
Well Type OIL SAND EVALUATION

Substance Name
CRUDE BITUMEN

Formation Name
MCMURRAY FM

Surface Location LSD 10-23-075-07 W4M

Surface Co-ordinates 679.5 metres South 457.1 metres West

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID 1AD/10-23-075-07W4/0

Surface Rights ALBERTA CROWN

Field UNDEFINED

Mineral Rights ALBERTA CROWN

Projected Depth 533 metres

Lahee / Confidential Status OV(C)

Field Centre BONNYVILLE
(Ph. (780) 826-5352)

Terminating Zone WOODBEND GRP

Ground Elevation 679.8 metres

Emergency Planning Zone N/A km

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ N/A

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 26th day of November 2017 if well has not been spudded.

Dated at Calgary, Alberta this

26th day of November 2015.

Application Number 1844158

For Alberta Energy Regulator



Licence No. 0477924
Well Name DEVON 11D CONKLIN 11-24-75-7
Licensee DEVON CANADA CORPORATION
Well Type OIL SAND EVALUATION

Substance Name
CRUDE BITUMEN

Formation Name
MCMURRAY FM

Surface Location LSD 14-24-075-07 W4M

Surface Co-ordinates 339.2 metres South 519.5 metres East

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID 1AB/11-24-075-07W4/0

Surface Rights ALBERTA CROWN

Field UNDEFINED

Mineral Rights ALBERTA CROWN

Projected Depth 541 metres

Lahee /
Confidential
Status OV(C)

Field Centre BONNYVILLE
(Ph. (780) 826-5352)

Terminating Zone WOODBEND GRP

Ground Elevation 670.2 metres

Emergency
Planning Zone N/A km

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ N/A

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 26th day of November 2017 if well has not been spudded.

Dated at Calgary, Alberta this

26th day of November 2015.

Application Number 1844158

For Alberta Energy Regulator



WELL LICENCE

Licence No. 0477920
Well Name DEVON 12C CONKLIN 12-24-75-7
Licensee DEVON CANADA CORPORATION
Well Type OIL SAND EVALUATION

Substance Name
CRUDE BITUMEN

Formation Name
MCMURRAY FM

Surface Location LSD 12-24-075-07 W4M

Surface Co-ordinates 584.1 metres South 133.2 metres East

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID 1AB/12-24-075-07W4/0

Surface Rights ALBERTA CROWN

Field UNDEFINED

Mineral Rights ALBERTA CROWN

Projected Depth 530 metres

Lahee / Confidential Status OV(C)

Field Centre BONNYVILLE
(Ph. (780) 826-5352)

Terminating Zone WOODBEND GRP

Ground Elevation 680.9 metres

Emergency Planning Zone N/A km

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ N/A

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 26th day of November 2017 if well has not been spudded.

Dated at Calgary, Alberta this

26th day of November 2015.

Application Number 1844158

For Alberta Energy Regulator



WELL LICENCE

Licence No. 0477919
Well Name DEVON 13D CONKLIN 13-24-75-7
Licensee DEVON CANADA CORPORATION
Well Type OIL SAND EVALUATION

Substance Name
CRUDE BITUMEN

Formation Name
MCMURRAY FM

Surface Location LSD 04-25-075-07 W4M

Surface Co-ordinates 153.1 metres North 175.4 metres East

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID 1AC/13-24-075-07W4/0

Surface Rights ALBERTA CROWN

Field UNDEFINED

Mineral Rights ALBERTA CROWN

Projected Depth 541 metres

Lahee / Confidential Status OV(C)

Field Centre BONNYVILLE
(Ph. (780) 826-5352)

Terminating Zone WOODBEND GRP

Ground Elevation 645.2 metres

Emergency Planning Zone N/A km

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ N/A

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 26th day of November 2017 if well has not been spudded.

Dated at Calgary, Alberta this

26th day of November 2015.

Application Number 1844158

For Alberta Energy Regulator



WELL LICENCE

Licence No. 0477923
Well Name DEVON 14A CONKLIN 14-24-75-7
Licensee DEVON CANADA CORPORATION
Well Type OIL SAND EVALUATION

Substance Name
CRUDE BITUMEN

Formation Name
MCMURRAY FM

Surface Location LSD 14-24-075-07 W4M

Surface Co-ordinates 334.2 metres South 519.5 metres East

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID 1AB/14-24-075-07W4/0

Surface Rights ALBERTA CROWN

Field UNDEFINED

Mineral Rights ALBERTA CROWN

Projected Depth 550 metres

Lahee / Confidential Status OV(C)

Field Centre BONNYVILLE
(Ph. (780) 826-5352)

Terminating Zone WOODBEND GRP

Ground Elevation 670.0 metres

Emergency Planning Zone N/A km

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ N/A

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 26th day of November 2017 if well has not been spudded.

Dated at Calgary, Alberta this

26th day of November 2015.

Application Number 1844158

For Alberta Energy Regulator



Licence No. 0477925
Well Name DEVON 15B CONKLIN 15-23-75-7
Licensee DEVON CANADA CORPORATION
Well Type OIL SAND EVALUATION
Substance Name CRUDE BITUMEN
Formation Name MCMURRAY FM

Surface Location LSD 15-23-075-07 W4M
Surface Co-ordinates 134.4 metres South 522.6 metres West

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID	1AD/15-23-075-07W4/0	Surface Rights	ALBERTA CROWN
Field	UNDEFINED	Mineral Rights	ALBERTA CROWN
Lahee / Confidential Status	OV(C)	Projected Depth	571 metres
Field Centre	BONNYVILLE (Ph. (780) 826-5352)	Terminating Zone	WOODBEND GRP
Emergency Planning Zone	N/A km	Ground Elevation	680.2 metres

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ N/A

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 26th day of November 2017 if well has not been spudded.

Dated at Calgary, Alberta this

26th day of November 2015.

Application Number 1844158

For Alberta Energy Regulator



WELL LICENCE

Licence No. 0477921
Well Name DEVON 9A CONKLIN 9-23-75-7
Licensee DEVON CANADA CORPORATION
Well Type OIL SAND EVALUATION

Substance Name
CRUDE BITUMEN

Formation Name
MCMURRAY FM

Surface Location LSD 12-24-075-07 W4M

Surface Co-ordinates 584.1 metres South 133.2 metres East

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID 1AB/09-23-075-07W4/0

Surface Rights ALBERTA CROWN

Field UNDEFINED

Mineral Rights ALBERTA CROWN

Projected Depth 595 metres

Lahee / Confidential Status OV(C)

Field Centre BONNYVILLE
(Ph. (780) 826-5352)

Terminating Zone WOODBEND GRP

Ground Elevation 680.9 metres

Emergency Planning Zone N/A km

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ N/A

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 26th day of November 2017 if well has not been spudded.

Dated at Calgary, Alberta this

26th day of November 2015.

Application Number 1844158

For Alberta Energy Regulator