APPENDIX J

Phase I Environmental Site Assessment



Phase I Environmental Site Assessment

Proposed Development near Strathmore, Alberta Portions of Sections 05, 08, 09, and 17 of 024-26 W4M Agricultural Properties

Trace Project No. 100-1533-01 November 18, 2020

Prepared for:

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Executive Summary

2151836 Alberta Inc. care of B&A Planning Group retained Trace Associates Inc. (Trace) to conduct a Phase I environmental site assessment (ESA) for agricultural properties located within portions of Sections 05, 08, 09, and 17 of 026-24 W4M, near Strathmore, Alberta, collectively hereinafter referred to as "the Site." The objective of conducting the Phase I ESA was to identify actual and potential sources of soil and/or groundwater contamination that may be present at the Site.

Discussion and Conclusions

Based on the information collected during this study, Trace has identified the following potential sources of contamination from on-site sources:

- Nineteen active oil and gas wellsites are located on the Site. The wells produce gas, water, and/or crude oil / bitumen. The potential for soil and/or groundwater impacts exists; however, the operator, Ember Resources Inc. (Ember), has the legal obligation to address any environmental concerns during the operation, abandonment, and post-abandonment of the wellsite and associated facilities. Ember will be required to obtain Reclamation Certificates for site closure, which will include an evaluation and assessment of the potential environmental risks associated with the oil and gas activities. This environmental reporting should be reviewed by an environmental professional. No further immediate environmental investigation as part of this assessment is warranted at this time.
- With any homestead or agricultural property, the potential for fueling above-ground storage tanks (ASTs), pits, burn pits, or buried debris exists. Although there were no obvious indications of pits or buried debris identified as part of the aerial photograph review and site visits, the potential remains. The risk to adversely impact soil and groundwater is generally low to moderate, and no further immediate environmental investigation pertaining to these areas is warranted at this time.

Trace did not identify actual or potential sources of contamination from off-site sources which would warrant further investigation at the Site at this time.

It is important to note that Trace personnel were unable to visually assess the entire Site, nor conduct interviews with select landowners/occupants, as access to portions of the Site was not authorized and communications with landowners/occupants was restricted. Trace did not request to or gain access to the buildings on the Site.

Recommendations

Based on the assessment findings and conclusions, Trace recommends consideration of the following actions:

- Conduct a full site inspection and landowner/ operator interviews prior to redevelopment.
- Following initiation of abandonment activities by the oil and gas operator, contract a qualified environmental
 professional to conduct a review of the wellsite Reclamation Certificate documentation prior to landowner
 signoff and subsequent submission to the regulator.
- Due to the buildings' dates of construction (prior to 1950 through to 1988), consider the presence of hazardous building materials prior to any major renovations or demolition of any building on the Site.
- Decommission the water wells, septic tanks, and septic fields in accordance with applicable acts, regulations, and guidelines when no longer in use.
- If buried debris, stained soils, or soils of unknown quality are encountered during redevelopment, contract a qualified environmental professional.
- If fueling tanks (ASTs, underground storage tanks, etc.) are encountered, contract a qualified environmental professional to assess the potential environmental risk.

This Executive Summary is subject to the same general limitations as contained in the report and must be read in conjunction with the entire report.



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Figure 1Site Plan Showing Surrounding Land Use

APPENDICES

- Appendix A.....Trace Associates Inc. Environmental Report General Conditions
- Appendix B.....Site Photographs
- Appendix C.....Current Land Title Records
- Appendix D.....Regulatory Inquiry Information



1.0 Introduction

1.1 Purpose and Authorization

2151836 Alberta Inc. care of B&A Planning Group (B&A) retained Trace Associates Inc. (Trace) to conduct a Phase I environmental site assessment (ESA) for agricultural properties located within portions of Sections 05, 08, 09, and 17 of 026-24 W4M, near Strathmore, Alberta, collectively hereinafter referred to as "the Site." B&A provided written authorization to proceed with the project on August 8, 2019. The objective of conducting the Phase I ESA was to identify actual and potential sources of soil and/or groundwater contamination that may be present at the Site. B&A requested that the Phase I ESA be conducted as part of their environmental due diligence associated with redevelopment of the Site.

1.2 Standards and Methods

Trace conducted the project in general accordance with the following documents:

- The Canadian Standards Association (CSA) Phase I ESA Standard Z768-01 (CSA, 2001)
- Trace's Environmental Report General Conditions (Appendix A)

As per CSA standards, there were no enhancements (e.g., risk evaluations, recommendations regarding remedial measures) to the Phase I ESA. Trace personnel were unable to visually assess the entire Site or conduct interviews with select landowners/occupants, as access to portions of the Site was not authorized, and communications with landowners/occupants was restricted. Trace did not request to gain access to the buildings on the Site.

1.3 Scope of Work

The scope of work for this project included the following specific tasks:

- Review historical environmental reports related to the Site.
- Review available historical information for the Site and the immediate surrounding properties/areas, including aerial photographs, property listing directories (i.e., Henderson Business Directories [HBDs] and/or Telus Numerical Directories [TNDs]), and fire insurance plan (FIP) maps for previous land use.
- Investigate and collect relevant environmental information pertaining to the Site from Wheatland County, the Alberta Environment and Parks (AEP) Online Water Well Database, the AEP Approval Viewer, the Alberta Energy Regulator (AER), and the Petroleum Tank Management Association of Alberta (PTMAA).
- Review available environmental reporting for the surrounding area from the Alberta Environmental Site Assessment Repository (ESAR) database.
- Conduct a site visit and personnel interview.
- Review current land title information for the Site.
- Prepare a Phase I ESA report.



1.4 Qualifications of the Personnel

Ms. Nicole Koloff, B.A., B.Ed., obtained the regulatory and historical information, and prepared the report. Ms. Koloff is a Project Consultant and an Associate with Trace, and her primary areas of experience include conducting background research for sites across Alberta, and preparing technical documents, including Phase I and II ESAs; soil sampling reports; groundwater monitoring reports; Indian Oil and Gas Canada audits; and proposals within the real estate and development and oil and gas sectors.

Mr. Nick Swanlund, B.Sc., is the Project Manager. At Trace, Nick is the Team Lead, Real Estate and Development and an Associate, and is responsible for technical advisory, mentorship, client liaison, and successful project execution in this market sector. Nick's primary areas of experience include: ESAs, contaminated sites management, hazardous building materials surveys, regulatory and municipal liaising, wetland assessments, and hydrogeological investigations related to land development, mining, and oil and gas activities. Nick's project experience extends throughout the Western Prairies for both private sector and government clientele.

Mr. Michael Lupart, B.Sc., P.Ag., P.Biol., conducted a senior review of the report. Michael is the Division Manager, Calgary and a Partner with Trace, and has over 14 years of experience conducting ESAs, groundwater monitoring, spill response, and remediation activities related to land development and upstream oil and gas activities. At Trace, Michael leads the Calgary office and directs work as the Principal-in-Charge for the Real Estate and Development Team. He is responsible for senior technical oversight, client liaison, and successful project execution within the real estate, government, oil and gas, and industrial sectors. Michael's expertise and passion reside in managing and conducting technically challenging projects with expedited turnaround times or unique stakeholder considerations.

2.0 Site Characterization

Trace personnel conducted site visits on August 26 through 30, 2019. Trace personnel were unable to visually assess the entire Site, as access to portions of the Site was not authorized. Photographs captured during the site inspection are included in Appendix B.

2.1 Site Description

The Site is comprised of Section 05-024-26 W4M, S¹/₂-08-024-26 W4M, N¹/₂-09-024-26 W4M, and S¹/₂-17-024-26 W4M, located near Strathmore, Alberta. The Site is comprised of three separate segments which are rectangular (two) and roughly rectangular (one) in shape, with a total area of approximately 6,067,000 square metres or 606.7 hectares. The Site and majority of the surrounding areas are zoned as AG (Agricultural General) and/or C-R (Country Residential); the surrounding areas in the north portion of Section 08 are zoned as IG (Industrial General) and C-R; the surrounding areas in the north portion of Section 09 and the west portion of Section 10 are zoned as IG. The northern portion of the Site (Segment 1) is bordered to the south by Highway 1 / Trans-Canada Highway, to the west by Range Road 265, and to the east by Range Road 264. The southern (and largest) portion of the Site (Segment 3) is bordered to the west by Range Road 265, to the east by Range Road 264, and to the south by Range Road 240. A site plan including surrounding land use is presented as Figure 1.



2.1.1 Topography and Surface Water

The Site topography is primarily undulating, with surface drainage directed to numerous wetlands / low, wet areas across the Site. A detailed surface hydrology and wetland information analysis is discussed in a Biophysical Inventory Assessment submitted by Trace under a separate cover.

2.2 Infrastructure and Site Feature Details

The following sections outline the infrastructure and site feature details identified during the site visit, records review, and file information/reporting review.

- The Site comprises of a mix of agricultural/residential land use (homesteads). Two of the five homesteads on the Site and associated infrastructure are situated on Segment 1; there are no structures situated on Segment 2; three of the five homesteads and associated infrastructure are situated on Segment 3.
- Based on aerial and satellite imagery, the homesteads were constructed between prior to 1950 through to 1988.

2.2.1 Sewage Disposal and Wastewater

There is no sewage or storm sewer infrastructure at the Site.

With any agricultural homestead, the potential for septic tanks and septic fields exists. It would be prudent to have the septic tanks and septic fields decommissioned in accordance with applicable acts, regulations, and guidelines when no longer in use.

2.2.2 Pits and Lagoons

With any farmstead or agricultural property, the potential for pits or buried debris exists. Although there were no obvious indications of pits or buried debris present at the Site during the site visit, the potential remains. If buried debris, stained soils, or soils of unknown quality are encountered during development, contract a qualified environmental professional.

2.2.3 Sumps and Drains

No sumps or drains (e.g., stormwater sewer or collection basins) of environmental interest were observed during the site visit.

2.2.4 Watercourses, Ditches, or Standing Water

Wetlands are present throughout the Site. A detailed surface hydrology and wetland information analysis is discussed in a Biophysical Inventory Assessment submitted by Trace under a separate cover.

2.2.5 Potable Water Supply

No municipal potable water infrastructure is present at the Site. According to the AEP Online Water Well Database, nine domestic/stock use water wells are present on the Site. It would be prudent to have the domestic water wells decommissioned in accordance with applicable acts, regulations, and guidelines when no longer in use.



2.2.6 Wells

Wells, including water wells and oil and gas wells, were observed or reported to be present at the Site. The water wells are discussed in Section 5.3, and the oil and gas wells are discussed in Section 5.7.2.

2.2.7 Special Attention Items

Special attention items include building materials such as: polychlorinated biphenyls (PCBs); asbestos-containing materials (ACMs); lead; ozone-depleting substances (ODS); and urea foam formaldehyde insulation (UFFI).

Based on the buildings' dates of construction (prior to 1950 through to 1988) and the potential presence of air conditioning or refrigeration units at the Site, the following Sections (2.2.7.1–2.2.7.5) outline special attention building items identified that require further discussion or investigation at the Site.

2.2.7.1 Polychlorinated Biphenyls

The Canadian Environmental Protection Act (CEPA) (http://laws-lois.justice.gc.ca/eng/acts/C-15.31/index.html) has restricted the use of, and controlled the phasing out of, PCBs in Canada. Additionally, the storage and disposal of PCBs is regulated. The CEPA prohibited the use of PCBs in electrical equipment installed after July 1, 1980. PCBs are commonly found in light ballasts, electrical transformers (pole or ground mounted), and other various types of electrical equipment (e.g., rectifiers) dating back to the early 1980s or earlier.

Based on the buildings' dates of construction (prior to 1950 through to 1988), the presence of PCB-containing light ballasts and/or electrical equipment is possible within all homestead location areas (Figure 1).

2.2.7.2 Asbestos-Containing Materials

Construction materials (i.e., ceiling or floor tiles, drywall, wall insulation, and other insulation for boiler/piping and/or ducts) used prior to the early 1980s were known to potentially contain asbestos. Asbestos is considered a health hazard if it is friable, airborne, and humans are exposed to it. There was no obvious asbestos observed at the time of the site reconnaissance.

Based on the buildings' date of construction (prior to 1950 through to 1988), the presence of friable ACMs is possible, and therefore should be taken into consideration for all structures/buildings within the homestead location areas (Figure 1). Intrusive investigation and sampling of possible construction materials was not within the scope of this Phase I ESA. No reporting relating to asbestos abatements was provided to Trace personnel for review.

2.2.7.3 Lead

Lead can be associated with paints, plumbing solder, pipes, and other products, such as wall shielding in x-ray rooms. Lead-based paint was withdrawn from production in the Canadian market in the late 1970s, but remained in circulation into the early 1980s. If present, lead-based paint is likely concealed beneath multiple layers of paint applied over years of renovations. Lead-based paint and plumbing equipment are not a direct health risk when concealed (sealed behind layers of non-lead-based paint) and/or in good condition.



There are no x-ray rooms with lead shielding at the Site. Based on the buildings' dates of construction (prior to 1950 through to 1988), the presence of lead-based paint and plumbing equipment is possible within all homestead location areas (Figure 1).

2.2.7.4 Ozone-Depleting Substances

In December 1998, The Government of Canada enacted the Ozone-Depleting Substances (ODS) Regulations, which govern the use, handling, and release of ODS (http://laws-lois.justice.gc.ca/eng/regulations/SOR-99-7/index.html). ODS may include, although are not limited to, chlorofluorocarbons, halons, carbon tetrachloride, and methyl bromide. ODS are usually associated with operations such as fire extinguishing systems, foam manufacturing, fumigant and pesticide application, prescription metered dose inhalers, refrigeration and air conditioning units, and solvent cleaning/degreasing facilities.

Air conditioning or refrigeration units may be present at the Site; however, based on the quantity of ODS commonly stored in these systems, no further environmental investigation is warranted.

2.2.7.5 Urea Formaldehyde Foam Insulation

Insulation materials used during the 1970s and 1980s were known to possibly contain UFFI. UFFI was banned in 1980 under the Federal Hazardous Products Act (http://laws-lois.justice.gc.ca/eng/acts/H-3/).

Based on the buildings' dates of construction (prior to 1950 through to 1988), the presence of UFFI is possible for all structures/buildings within the homestead location areas (Figure 1). Intrusive investigation of wall cavities and associated sampling was not within the scope of this Phase I ESA.

2.2.8 Other Special Attention Items

Other special attention items include: methane generation; mould; noise; electric and magnetic fields; vibration; and radon. There were no other special attention items identified that require further discussion.

2.2.9 Hazardous Materials, Storage Tanks, and Chemical Containers

Trace observed numerous above-ground storage tanks (ASTs), primarily on the westernmost homestead in Segment 1 and the southernmost homestead in Segment 3.

The ASTs appeared to be greater than 100,000 litres in capacity, and likely contain farming products (e.g., wheat, beans, canola, etc.) or fertilizers. It would be prudent to confirm the contents of the ASTs prior to future redevelopment. No obvious diesel or gasoline ASTs were noted during the site inspection.

Trace personnel were unable to visually assess the entire Site, as access to portions of the Site was not authorized.

2.2.10 Staining and Stained Materials

Staining was not observed on site during the site visit; however, Trace personnel were unable to visually assess the entire Site as access to portions of the Site was not authorized.



2.2.11 Odours

There were no obvious strong, pungent, or noxious odours identified during the site visit; however, Trace personnel were unable to visually assess the entire Site as access to portions of the Site was not authorized.

2.2.12 Stressed Vegetation

There were no indications of obviously-stressed vegetation at the Site; however, Trace personnel were unable to visually assess the entire Site as access to portions of the Site was not authorized.

2.2.13 Fill Areas

If present, the main concern with fill material is the unknown origin, and therefore unknown physical and chemical quality. Best management practices for fill material management include sampling and testing fill material prior to use on a new site. With developed sites, the potential for fill material placement with an unknown chemical and physical quality exists.

This study did not identify obvious indications of uncontrolled fill material placement on site.

2.2.14 Hydraulic Elevators/Hoists

There are no hydraulic elevators or hoists at the Site.

2.3 Off-site Observations

Trace observed the grounds of neighbouring properties and associated structures (from the Site and publicly-accessible areas) for signs of actual or potential sources of contamination. There were no adjacent properties (within 100 m) identified that were interpreted by Trace to present an actual or potential source of contamination to the Site which would warrant further investigation.

3.0 Interview

Trace personnel were unable to conduct interviews with select landowners/occupants, as communications with landowners/occupants was restricted.

4.0 Records Review

The following sections include a review of the land title records and historical aerial photographs.

4.1 Land Title Records

Trace personnel reviewed the current land title for the property. A list of associated utility rights-of-way (RoWs), caveats, etc. is provided below. Copies of the current land titles are included in Appendix C.

- Caveat: Wheatland County (RE: roadway) (x2)
- Caveat: Ember Resources Inc. (Ember) (RE: surface lease or mines and minerals lease interest) (x18)
- Caveat: Darrin Kelly (RE: lease interest)



- Utility RoW: Ember (x16)
- Utility RoW: Canadian Western Natural Gas Company Limited (x3)

The caveats to Ember and the utility RoWs to Canadian Western Natural Gas Company Limited likely relate to oil and gas infrastructure further discussed in Section 5.7. No environmental investigation is recommended related to the remaining instruments.

4.2 Aerial Photographs

Aerial photographs provide visual evidence of site occupancy, operational activities, and general site details. As well, aerial photographs capture a view of the Site and the surrounding areas at a given time. Trace personnel reviewed aerial photographs of the Site for the years 1950, 1962, 1977, 1988, 2000, 2010, and 2019 obtained from the AEP Aerial Photo Record System (https://securexnet.env.gov.ab.ca/aprs/inquiry.jsp) and Google Earth[™] (www.google.com/earth). Note that the aerial photographs cover the Site and surrounding areas, with the exception of the 1988 photograph, which does not cover the two southernmost quarter sections of Segment 3. The aerial photograph review and discussion are limited to developments of environmental interest.

1950 and 1962

- The Site and surrounding areas are located on agricultural land.
- One homestead is visible on Segment 1, and two homesteads are visible on Segment 3.
- Numerous wetlands are visible across and surrounding the Site.
- All roads currently bordering the Site are visible.

1977

- The homestead on Segment 1 has expanded, and suspected farming operations are visible.
- Several ASTs are visible on the homesteads in Segment 1 (southwest portion) and Segment 3 (southeast portion).
- The surrounding areas appear generally similar to the 1962 photograph.

1988, 2000, 2010, and 2019

- A second homestead is visible on Segment 1, and a third homestead is visible on Segment 3.
- A suspected wellsite pad is visible in the southwest portion of Segment 2 (2000).
- Additional suspected wellsites are visible throughout Segment 3 (2010).
- The surrounding areas appear generally similar to the 1977 photograph.

5.0 Regulatory Inquiries

Trace personnel contacted Wheatland County, the PTMAA, and the AER; and searched the AEP Online Water Well Database, AEP Approval Viewer, and Alberta ESAR database to obtain environmental information with respect to the Site and surrounding area. Responses from the regulatory agencies are presented in Appendix D.



5.1 Wheatland County

Trace personnel requested that Wheatland County conduct a file search for available environmental information pertaining to the Site. The response from Wheatland County did not indicate any issues of potential environmental concern at this time.

5.2 Petroleum Tank Management Association of Alberta

The PTMAA requires that all underground storage tanks (USTs) be registered; however, only ASTs with a capacity greater than 2,500 litres are required to be registered. The database is based on a limited survey conducted in 1992 and voluntary information submitted, and is therefore not considered a comprehensive inventory of storage tanks in Alberta. Trace personnel contacted the PTMAA regarding registered petroleum storage tanks (PSTs) at the Site. The PTMAA response indicated that no PSTs are listed for the Site.

5.3 Alberta Environment and Parks – Online Water Well Database

The AEP Online Water Well Database (http://groundwater.alberta.ca/WaterWells/d/) has nine records of water wells on the Site. The water wells were drilled to depths of between 24 and 46 m for domestic and/or stock use. The wells were drilled between 1969 and 1998 (drill completion dates were not available for four wells). Trace personnel did not observe water wells on site during the site visit.

5.4 Alberta Environment and Parks – Online Approval Viewer

The AEP Online Approval Viewer (https://avw.alberta.ca/ApprovalViewer.aspx) allows the public to view approvals, licences, registrations, and permits issued under the Water Act and under the Environmental Protection and Enhancement Act.

There were no approvals (active or inactive) listed for Lot 1, Block 1, Plan 0111837 (Segment 3); Lot 1, Plan 9010966 (Segment 3); NE¹/₄ and NW¹/₄-09-024-26 W4M; and SE¹/₄ and SW¹/₄-17-024-26 W4M. There were two approvals issued for Section 05-024-26 W4M related to pipeline and/or telecommunication lines crossing a waterbody from Encana Corporation, and three approvals issued for Section 09-024-26 W4M related to the Cheadle and/or Wheatland Industrial Parks. These approvals are not interpreted to be of potential environmental concern.

5.5 Alberta Environmental Site Assessment Repository Database

The Alberta ESAR database (http://www.esar.alberta.ca/) allows the public to perform an online search for ESAs relating to sites throughout Alberta. Trace personnel reviewed the available reports and communications provided through the Alberta ESAR database for properties located within approximately 100 m of the Site. The results summarized below are limited to those that indicate the presence of potential or actual contamination relative to the Site.

100/08-07-024-26 W4M/0 wellsite, lease boundary approximately 60 m west of the Site (Segment 3)

A Reclamation Certificate (No. 10865) was issued for the well on August 7, 1992. Given the drilling date (1991), there is potential that historical oil and gas activities have impacted soil and/or groundwater conditions in the area; however, based on distance to the Site (approximately 60 m), Trace interprets this wellsite to pose a low risk to the soil and/or groundwater quality at the Site at this time.



5.6 Alberta Government – Spatial Information System Website

The Alberta Government Spatial Information System (SPIN) website (https://alta.registries.gov.ab.ca/ spinii/logon.aspx) is an internet data delivery system that provides online delivery of land titles, registered plans, and survey control monuments. The SPIN website indicates historical and/or current land use for some areas of Alberta. The following RoWs were identified on the Site:

- Pipeline RoW No. 101 3610 (Segment 2)
- Pipeline RoW No. 091 4877 (Segments 2 and 3)
- Pipeline RoW No. 101 4602 (Segment 3)
- Pipeline RoW No. 091 3993 (Segment 3)
- Pipeline RoW No. 071 5062 (Segment 3)

Oil and gas-related pipelines on the Site are discussed below in Section 5.7.1.

5.7 Alberta Energy Regulator – Oil and Gas-Related Facilities, Spills, and Complaints

The AER maintains information on oil and gas wells, registered pipelines, and oil and gas facilities. The AER information was accessed through the Abacus Datagraphics Ltd. database (www.abacusdatagraphics.com), which is a web-based oilfield mapping program that uses current information to graphically display the location of oilfield and related facilities, and/or spills and complaints within Alberta. The following oil and gas-related wells, pipelines, facilities, spills, or complaints occurred on the Site:

5.7.1 Pipelines

Seventeen high-pressure natural gas pipelines operated by Ember are situated on the Site. No reporting related to pipeline spills or leaks was available for review, and based on the contents of the pipelines (natural gas), no further environmental investigation is warranted at this time.

5.7.2 Wellsites

Nineteen wellsites (with associated wellhead, pipeline riser, and high-pressure pipelines) are situated on the Site (Segments 2 and 3), and are described as follows:

Segment 2

- The 100/13-10-024-26 W4M/0 wellsite (EMBER ENTICE 13-10-24-26) was drilled on November 21, 2010, to a depth of 1,159 m. The status of the well is listed as "CBMOT FLOW," indicating that the well is completed in coal and another lithology (e.g., sand, gravel, etc.). As of July 2019, the well produced 1,555.4 cubic metres (m³) of gas and 40.1 m³ of water. The wellsite is licensed to Ember.
- The 100/15-09-024-26 W4M/0 wellsite (EMBER ENTICE 15-9-24-26) was drilled on January 27, 2006, to a depth of 1,052 m. The status of the well is listed as "CBMOT FLOW." As of July 2019, the well produced 3,166.7 m³ of gas and 4.7 m³ of water. The wellsite is licensed to Ember.
- The 100/04-09-024-26 W4M/2 wellsite (EMBER ENTICE 4-9-24-26) was drilled on February 19, 2010, to a depth of 1,149 m. The status of the well is listed as "COMM" (commingled), indicating that the well is completed in two or more pools. The well did not produce. The wellsite is licensed to Ember.



- The 100/12-09-024-26 W4M/0 wellsite (EMBER ENTICE 12-9-24-26) was drilled on June 22, 2000, to a depth of 1,100 m. The status of the well is listed as "CBMOT FLOW." As of July 2019, the well produced 5,484.0 m³ of gas. The wellsite is licensed to Ember.
- The 100/03-17-024-26 W4M/0 wellsite (EMBER ENTICE 3-17-24-26) was drilled on January 5, 2007, to a depth of 1,970 m. The status of the well is listed as "CBMOT FLOW." As of July 2019, the well produced 3,350.9 m³ of gas. The wellsite is licensed to Ember.

Segment 3

- The 100/05-08-024-26 W4M/2 wellsite (EMBER ENTICE 5-8-24-26) was drilled on January 30, 2010, to a depth of 1,032 m. The status of the well is listed as "CBMOT FLOW." As of July 2019, the well produced 977.7 m³ of gas. The wellsite is licensed to Ember.
- The 100/12-08-024-26 W4M/3 wellsite (EMBER ENTICE 12-8-24-26) was drilled on October 10, 2007, to a depth of 1,411 m. The status of the well is listed as "CBMOT FLOW." As of July 2019, the well produced 2,206.6 m³ of gas and 13.0 m³ of water. The wellsite is licensed to Ember.
- The 100/07-08-024-26 W4M/0 wellsite (EMBER ENTICE 7-8-24-26) was drilled on October 9, 2007, to a depth of 1,065 m. The status of the well is listed as "CBMOT FLOW." As of July 2019, the well produced 2,820.9 m³ of gas and 4.6 m³ of water. The wellsite is licensed to Ember.
- The 100/10-07-024-26 W4M/0 wellsite (EMBER ENTICE 10-7-24-26) was drilled on January 9, 2007, to a depth of 1,462 m. The status of the well is listed as "CBMOT FLOW." As of July 2019, the well produced 1,978.4 m³ of gas. The wellsite is licensed to Ember.
- The 100/04-08-024-26 W4M/4 wellsite (EMBER ENTICE 04-8-24-26) was drilled on October 11, 2006, to a depth of 806 m. The status of the well is listed as "CBMOT FLOW." As of July 2019, the well produced 1,240.9 m³ of gas and 13.0 m³ of water. The wellsite is licensed to Ember.
- The 100/01-08-024-26 W4M/3 wellsite (EMBER ENTICE 1-8-24-26) was drilled on October 23, 2007, to a depth of 812 m. The status of the well is listed as "CBMOT FLOW." As of July 2019, the well produced 2,412.9 m³ of gas. The wellsite is licensed to Ember.
- The 100/14-05-024-26 W4M/4 wellsite (EMBER ENTICE 14-5-24-26) was drilled on October 7, 2006, to a depth of 807 m. The status of the well is listed as "CBMOT FLOW." As of July 2019, the well produced 1,903.5 m³ of gas and 12.2 m³ of water. The wellsite is licensed to Ember.
- The 100/15-05-024-26 W4M/2 wellsite (EMBER ENTICE 15-5-24-26) was drilled on March 11, 2006, to a depth of 1,064 m. The status of the well is listed as "CBMOT FLOW." As of July 2019, the well produced 2,422.3 m³ of gas. The wellsite is licensed to Ember.
- The 100/16-05-024-26 W4M/2 wellsite (EMBER ENTICE 16-5-24-26) was drilled on November 30, 1999, to a depth of 1,110 m. The status of the well is listed as "CBMOT FLOW." As of July 2019, the well produced 1,610.4 m³ of gas and 6.6 m³ of water. The wellsite is licensed to Ember.
- The 100/11-05-024-26 W4M/2 wellsite (EMBER ENTICE 11-5-24-26) was drilled on January 31, 2010, to a depth of 1,061 m. The status of the well is listed as "CBMOT FLOW." As of July 2019, the well produced 4,695.4 m³ of gas. The wellsite is licensed to Ember.
- The 100/05-05-024-26 W4M/0 wellsite (EMBER ENTICE 5-5-24-26) was drilled on March 3, 2006, to a depth
 of 805 m. The status of the well is listed as "CBMOT FLOW." As of July 2019, the well produced 3,558.4 m³
 of gas. The wellsite is licensed to Ember.
- The 102/05-05-024-26 W4M/2 wellsite (EMBER 102 ENTICE 5-5-24-26) was drilled on January 30, 2010, to a depth of 1,038 m. The status of the well is listed as "CBMOT FLOW." As of July 2019, the well produced 749.8 m³ of gas. The wellsite is licensed to Ember.



- The 100/07-05-024-26 W4M/2 wellsite (EMBER ENTICE 7-5-24-26) was drilled on January 27, 2010, to a depth of 1,020 m. The status of the well is listed as "CBMOT FLOW." As of July 2019, the well produced 2,021.2 m³ of gas. The wellsite is licensed to Ember.
- The 100/01-05-024-26 W4M/3 wellsite (EMBER ENTICE 1-5-24-26) was drilled on March 3, 2006, to a depth
 of 805 m. The status of the well is listed as "COMM" (commingled). As of July 2019, the well produced 0.1 m³
 of gas. The wellsite is licensed to Ember.

The potential for soil and/or groundwater impacts resulting from wellsite operations exists; however, the operator, Ember, has the legal obligation to address any environmental concerns resulting from current or historical oil and gas-related activities upon abandonment of the facilities. As the wellsites are currently active, Ember will be required to obtain Reclamation Certificates for site closure, which will include an evaluation and assessment of the potential environmental risks associated with the oil and gas activities. This environmental reporting should be reviewed by an environmental professional. No further immediate environmental investigation as part of this assessment is warranted at this time.

There were no reported spills or "facilities" on or near the Site identified through the AER.

5.8 Business Directories

There were no HBDs or TNDs for the Site and surrounding area available for review at the Calgary Central Public Library.

5.9 Fire Insurance Plans

Due to the rural nature of the Site, there are no FIPs for the Site and surrounding area available for review.

6.0 Previous Environmental Reporting and Documents

There were no previous environmental reports provided to Trace from the client.

7.0 Discussion and Conclusions

Based on the information collected during this study, Trace has identified the following potential sources of contamination from on-site sources:

- Nineteen active oil and gas wellsites are located on the Site. The wells produce gas, water, and/or crude oil / bitumen. The potential for soil and/or groundwater impacts exists; however, the operator, Ember, has the legal obligation to address any environmental concerns during the operation, abandonment, and post-abandonment of the wellsite and associated facilities. Ember will be required to obtain Reclamation Certificates for site closure, which will include an evaluation and assessment of the potential environmental risks associated with the oil and gas activities. This environmental reporting should be reviewed by an environmental professional. No further immediate environmental investigation as part of this assessment is warranted at this time.
- With any homestead or agricultural property, the potential for fueling ASTs, pits, burn pits, or buried debris exists. Although there were no obvious indications of pits or buried debris identified as part of the aerial photograph review and site visits, the potential remains. The risk to adversely impact soil and groundwater



is generally low to moderate, and no further immediate environmental investigation pertaining to these areas is warranted at this time.

Trace did not identify actual or potential sources of contamination from off-site sources which would warrant further investigation at the Site at this time.

It is important to note that Trace personnel were unable to visually assess the entire Site, nor conduct interviews with select landowners/occupants, as access to portions of the Site was not authorized, and communications with landowners/occupants was restricted. Trace did not request to or gain access to the buildings on the Site.

8.0 Recommendations

Based on the assessment findings and conclusions, Trace recommends consideration of the following actions:

- Conduct a full site inspection and landowner/operator interviews prior to redevelopment.
- Following initiation of abandonment activities by the oil and gas operator, contract a qualified environmental
 professional to conduct a review of the wellsite Reclamation Certificate documentation prior to landowner
 signoff and subsequent submission to the regulator.
- Due to the buildings' dates of construction (prior to 1950 through to 1988), consider the presence of hazardous building materials prior to any major renovations or demolition of any building on the Site.
- Decommission the water wells, septic tanks, and septic fields in accordance with applicable acts, regulations, and guidelines when no longer in use.
- If buried debris, stained soils, or soils of unknown quality are encountered during redevelopment, contract a qualified environmental professional.
- If fueling tanks (ASTs, USTs, etc.) are encountered, contract a qualified environmental professional to assess the potential environmental risk.

9.0 Limitations of Liability

This report is based solely on the conditions which existed on site at the time of Trace's investigation. The client, and any other parties using this report with the express written consent of the client and Trace, acknowledges that conditions affecting the environmental assessment of the Site can vary with time, and that the conclusions and any recommendations set out in this report are time sensitive.

The client, and any other party using this report with the express written consent of the client and Trace, also acknowledges that the conclusions and recommendations set out in this report are based on limited observations and testing on the Site, and that conditions may vary across the Site which, in turn, could affect the conclusions and recommendations made.

The client acknowledges that Trace is neither qualified to, nor is it making, any recommendations with respect to the purchase, sale, investment, or development of the Site, the decisions on which are the sole responsibility of the client.



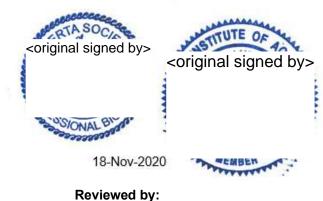
10.0 Closure and Quality Management

We trust that this meets your present requirements. Should you have any questions or comments, please contact Mr. Nick Swanlund (D 587.779.2898 or E nswanlund@traceassociates.ca) at our Calgary office.

Respectfully submitted,

Trace Associates Inc.

<original signed by>



18-Nov-2020

Prepared by: Nicole J. Koloff, B.A., B.Ed. Project Consultant D 587.779.2898 E nkoloff@traceassociates.ca

Michael J.J. Lupart, B.Sc., P.Ag., P.Biol. Division Manager, Calgary D 403.860.4180 E mlupart@traceassociates.ca

NK/nk



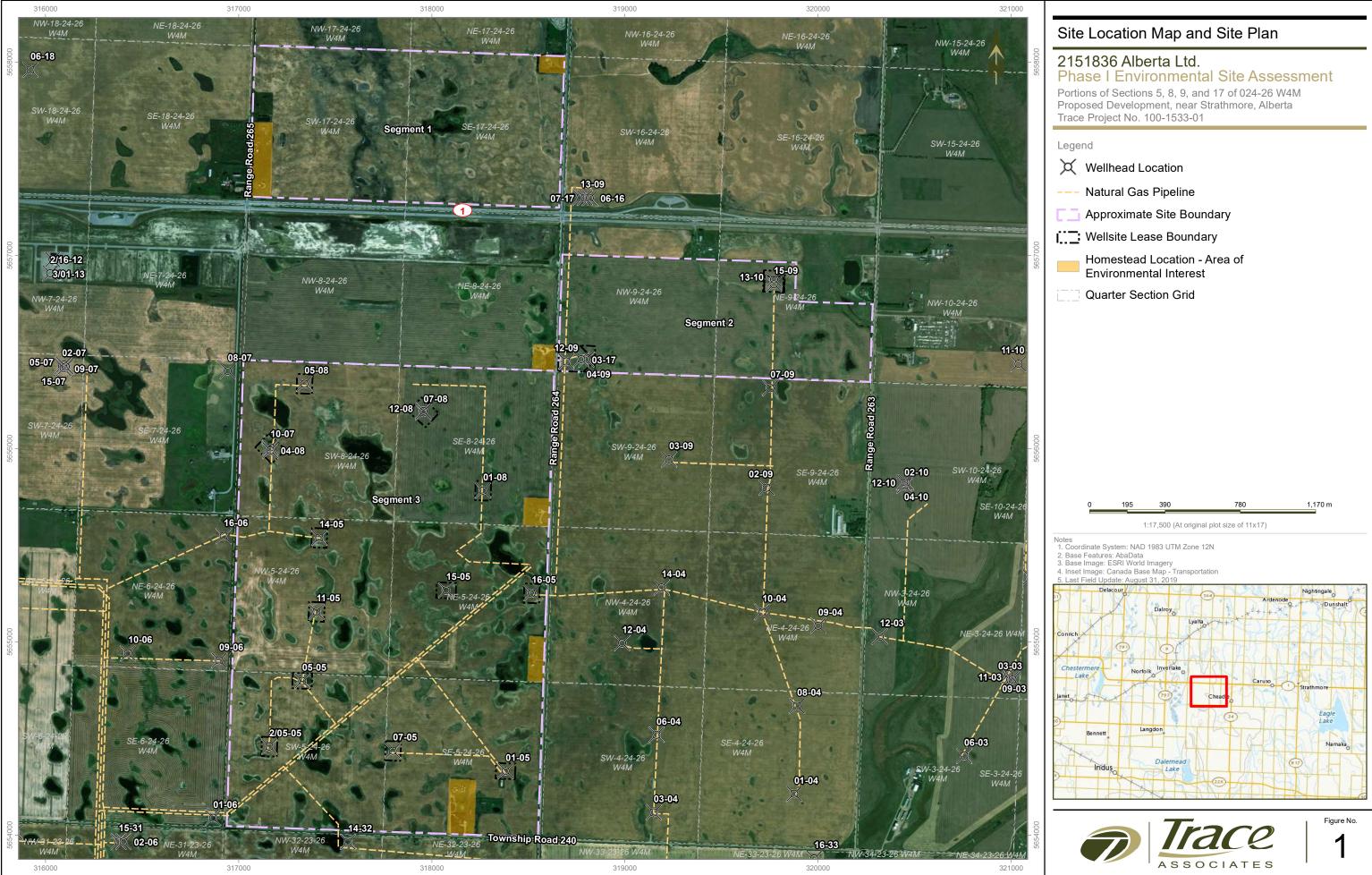
11.0 References

CSA (Canadian Standards Association). (2001, November). Phase I Environmental Site Assessment, Reaffirmed 2016 (Update No. 1, CAN/CSA-Z768-01, April 2003). Toronto, ON.



FIGURES

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APPENDIX A

Trace Associates Inc. Environmental Report – General Conditions

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Environmental Report – General Conditions

1.0 Use of Report

This report pertains to a specific site, a specific development, and a specific scope of work. It is not applicable to any other sites, nor should it be relied upon for types of development other than those to which it refers. Any variation from the site or proposed development would necessitate a supplementary assessment.

This report and the assessments and recommendations contained in it are intended for the sole use of Trace Associates Inc.'s (Trace's) client. Trace does not accept any responsibility for the accuracy of any of the data, the analysis, or the recommendations contained or referenced in the report when the report is used or relied upon by any party other than Trace's client (hereunder referred to as the "Client") or an approved agent of the Client. Any unauthorized use of or reliance on the report is at the sole risk of the user.

This report is subject to copyright and shall not be reproduced either wholly or in part without the prior, written permission of Trace. The Client agrees that it shall use the report for its own internal purposes and it shall not provide the report to another party other than an approved agent.

2.0 Limitation of Report

This report is based solely on the conditions that existed on site at the time of Trace's investigation. The Client, and any other parties using this report with the express written consent of the Client and Trace, acknowledge that conditions affecting the environmental assessment of the site can vary with time and that the conclusions and recommendations set out in this report are time sensitive.

The Client, and any other party using this report with the express written consent of the Client and Trace, also acknowledge that the conclusions and recommendations set out in this report are based on limited observations and testing on the subject site and that conditions may vary across the site which, in turn, could affect the conclusions and recommendations made.

The Client acknowledges that Trace is neither qualified to, nor is it making, any recommendations with respect to the purchase, sale, investment or development of the site, the decisions on which are the sole responsibility of the Client.

3.0 Information Provided to Trace by Others

During the performance of the work and the preparation of this report, Trace may have relied on information provided by persons other than the Client. While Trace endeavours to verify the accuracy of such information when instructed to do so by the Client, Trace accepts no responsibility for the accuracy or the reliability of such information that may affect the report.

4.0 Limitation of Liability

The Client recognizes that property containing contaminants and hazardous wastes creates a high risk of claims brought by third parties arising from the presence of those materials. In consideration of these risks, and in consideration of Trace providing the services requested, the Client agrees that Trace's liability shall be limited as follows:

- (1) With respect to any claims brought against Trace by the Client for damages of any kind whatsoever, including without limitation, incidental, consequential, exemplary or punitive, for any reason whatsoever arising out of the provision or failure to provide services hereunder the amount of such claim and the extent of Trace's liability shall be limited to the amount of fees paid by the Client to Trace under this Agreement.
- (2) With respect to claims brought by third parties arising out of the presence of contaminants or hazardous wastes on the subject site, the Client agrees to indemnify, defend, and hold harmless Trace from and against any and all claim or claims, action or actions, demands, damages, penalties, fines, losses, costs and expenses of every nature and kind whatsoever, including solicitor-client costs, arising or alleged to arise either in whole or part out of services provided by Trace.

5.0 Job Site Safety

Trace is only responsible for the activities of its employees on the job site and is not responsible for the safety or supervision of any other persons whatsoever. The presence of Trace personnel on the job site shall not be construed in any way to relieve the Client or any other persons on site from their responsibility for job site safety.

Trace General Conditions - Standard (Rev 6).doc



6.0 Disclosure of Information by Client

The Client agrees to fully cooperate with Trace with respect to the provision of all available information on the past, present, and proposed conditions on the site, including historical information respecting the use of the site. The Client acknowledges that in order for Trace to properly provide the service, Trace requires and shall rely upon the full disclosure and accuracy of any and all such information.

7.0 Standard of Care

Services performed by Trace for this report have been conducted in a manner consistent with the level of skill ordinarily exercised by members of the profession currently practicing under similar conditions in the jurisdiction in which the services are provided. Engineering and scientific judgment have been applied in developing the conclusions and/or recommendations provided in this report. No warranty or guarantee, express or implied, is made concerning the test results, comments, recommendations, or any other portion of this report.

8.0 Emergency Procedures

The Client undertakes to inform Trace of all hazardous conditions, or possible hazardous conditions that are known to it. The Client recognizes that the activities of Trace may uncover previously unknown hazardous materials or conditions and that such discovery may result in the necessity to undertake emergency procedures to protect Trace employees, other persons, and the environment. These procedures may involve additional costs outside of any budgets previously agreed upon. The Client agrees to pay Trace for any expenses incurred as a result of such discoveries and to compensate Trace through payment of additional fees and expenses for time spent by Trace to deal with the consequences of such discoveries.

9.0 Notification of Authorities

The Client acknowledges that in certain instances the discovery of hazardous substances or conditions and materials may require that regulatory agencies and other persons be informed and the Client agrees that notification to such bodies or persons, as required, may be done by Trace in its reasonably exercised discretion.

10.0 Ownership of Instruments of Service

The Client acknowledges that all reports, plans, and data generated by Trace during the performance of the work and other documents prepared by Trace are considered its professional work product and shall remain the copyright property of Trace.

11.0 Alternate Report Format

Where Trace submits both electronic file and hard copy versions of reports, drawings and other documents and deliverables (collectively termed "Trace's instruments of professional service"), the Client agrees that only the signed and stamped versions shall be considered final and legally binding. Trace shall keep the original electronic documents for record and working purposes, and, in the event of a dispute or discrepancies, Trace's electronic copy shall govern.

The Client agrees that both electronic file and hard copy versions of Trace's instruments of professional service shall not, under any circumstances, no matter who owns or uses them, be altered by any party except Trace. The Client warrants that Trace's instruments of professional service will be used only and exactly as submitted by Trace and for the purpose for which such instruments of professional service were intended.

The Client recognizes and agrees that electronic files submitted by Trace have been prepared and submitted using specific software and hardware systems. Trace makes no representation about the compatibility of these files with the Client's current or future software and hardware systems.

12.0 Governing Law

The validity, construction and performance of this Agreement shall be governed by the laws in effect in the Province of Alberta.



APPENDIX B

Site Photographs

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Photo 1: View from the northwest portion of SE¼-17-024-26 W4M, facing south (August 26, 2019).



Photo 2: View from the northeast portion of SW¼-17-024-26 W4M, facing south (August 30, 2019).



Photo 3: View from the northwest portion of NW¼-09-024-26 W4M, facing south (August 29, 2019).



Photo 4: View from the east portion of NE¼-09-024-26 W4M, facing west (August 30, 2019).





Photo 5: View from the northwest portion of SW¼-09-024-26 W4M, facing east (August 27, 2019).



Photo 6: View from the southwest portion of SE¼-09-024-26 W4M, facing north (August 27, 2019).



Photo 7: View from the north portion of NW¼-05-024-26 W4M, facing south (August 27, 2019).



Photo 8: View from the north portion of NE¼-05-024-26 W4M, facing south (August 27, 2019).





Photo 9: View from the northwest portion of SW¼-05-024-26 W4M, facing south (August 28, 2019).



Photo 10: View from the north portion of SE¼-05-024-26 W4M, facing south (August 28, 2019).



APPENDIX C

Current Land Title Records

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LAND TITLE CERTIFICATE

S							
LINC			TITLE NUMBER				
0028 909 802	0111837;1;1		081 404 474				
LEGAL DESCRIPTI	LEGAL DESCRIPTION						
DESCRIPTIVE PLA	N 0111837						
BLOCK 1							
LOT 1							
	OUT ALL MINES AND MINERALS						
AREA: 2.024 HEC	TARES (5 ACRES) MORE OR LESS						
ATS REFERENCE:	4;26;24;8;SE						
ESTATE: FEE SIN							
MINITATONI TENV.							
MUNICIPALITY: W	HEATLAND COUNTY						
REFERENCE NUMBE	R: 011 214 939						
	REGISTERED OWNER(S)						
	DATE (DMY) DOCUMENT TYPE						
081 404 474 2	9/10/2008 TRANSFER OF LAND	\$625,000	CASH & MORTGAGE				
OWNERS							
DANIELLE DUROCH	FD						
DANIELLE DOROCI							
AND							
SCOTT DUROCHER							
BOTH OF:							
	BOX 36, RR#2						
STRATHMORE							
ALBERTA T1P 1K5 AS JOINT TENANTS							
AS UCINI IEMANI	3						
ENCUMBRANCES, LIENS & INTERESTS							
REGISTRATION							
	TE (D/M/Y) PARTICULARS						
293CR .	RESTRICTIVE COVENAN	NT					

ENCUMBRANCES, LIENS & INTERESTS PAGE 2 # 081 404 474 REGISTRATION NUMBER DATE (D/M/Y) PARTICULARS _____ 011 191 959 10/07/2001 CAVEAT RE : ROADWAY CAVEATOR - WHEATLAND COUNTY. HWY #1 RR#1 STRATHMORE ALBERTA T1P1J6 081 404 475 29/10/2008 MORTGAGE MORTGAGEE - CIBC MORTGAGES INC. C/O FIRSTLINE MORTGAGES 700 33 YONGE ST TORONTO ONTARIO M5E1G4 ORIGINAL PRINCIPAL AMOUNT: \$446,250

TOTAL INSTRUMENTS: 003

_____.

THE REGISTRAR OF TITLES CERTIFIES THIS TO BE AN ACCURATE REPRODUCTION OF THE CERTIFICATE OF TITLE REPRESENTED HEREIN THIS 24 DAY OF SEPTEMBER, 2019 AT 01:59 P.M.

ORDER NUMBER: 38066481

CUSTOMER FILE NUMBER:



END OF CERTIFICATE

THIS ELECTRONICALLY TRANSMITTED LAND TITLES PRODUCT IS INTENDED FOR THE SOLE USE OF THE ORIGINAL PURCHASER, AND NONE OTHER, SUBJECT TO WHAT IS SET OUT IN THE PARAGRAPH BELOW.

THE ABOVE PROVISIONS DO NOT PROHIBIT THE ORIGINAL PURCHASER FROM INCLUDING THIS UNMODIFIED PRODUCT IN ANY REPORT, OPINION, APPRAISAL OR OTHER ADVICE PREPARED BY THE ORIGINAL PURCHASER AS PART OF THE ORIGINAL PURCHASER APPLYING PROFESSIONAL, CONSULTING OR TECHNICAL EXPERTISE FOR THE BENEFIT OF CLIENT(S).



LAND TITLE CERTIFICATE

S					
LINC	SHORT LE	GAL			TITLE NUMBER
0021 777 909	7 909 4;26;24;5;SE				191 001 492
LEGAL DESCRIPT	ION				
MERIDIAN 4 RANG	GE 26 TOWN	SHIP 24			
SECTION 5					
QUARTER SOUTH H	EAST				
EXCEPTING THERE		INES AND MINE	ERALS		
AND THE RIGHT	TO WORK TH	E SAME	-		
AREA: 64.7 HEC	TARES (160	ACRES) MORE	OR LES	S	
				-	
ESTATE: FEE SIN	NPT.F.				
MUNICIPALITY: W	HEATLAND	COUNTY			
REFERENCE NUMB	ER: 131 141	. 890			
		REGISTERED OW			
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				VALUE	
191 001 492	03/01/2019	TRANSFER OF	LAND	\$1,760,000	\$1,760,000
	,			<i>+_,</i> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	+_,,
OWNERS					
OMILIA					
2151898 ALBERTA	A INC.				
OF 400, 444-7 4	AVE SW				
CALGARY					
ALBERTA T2P 0X8	3				
	-				
	El	ICUMBRANCES,	LIENS &	INTERESTS	
REGISTRATION					
NUMBER DA	ATE (D/M/Y) PARTI	ICULARS		
831 042 238	09/03/1983	UTILITY RIGH	T OF W	AY	
001 011 100	,,			WESTERN NATURA	L CAS COMPANY
		LIMITED.	- TUR	HEDIENA MAIONA	
		DIMIICU.			
041 166 639	11/05/2004		ዛጥ ሰፑ ਯ	AV	
0-1 100 0J9 .	041 166 639 11/05/2004 UTILITY RIGHT OF WAY				
	GRANTEE - EMBER RESOURCES INC.				
PO BOX 20083, BOW VALLEY RPO					
	CALGARY				

(CONTINUED)

ENCUMBRANCES, LIENS & INTERESTS

PAGE 2 # 191 001 492

REGISTRATION

NUMBER DATE (D/M/Y) PARTICULARS

ALBERTA T2P4H3

(DATA UPDATED BY: TRANSFER OF UTILITY RIGHT OF WAY 151152404)

061 066 894 14/02/2006 CAVEAT

RE : SURFACE LEASE UNDER 20 ACRES CAVEATOR - EMBER RESOURCES INC. PO BOX 20083, BOW VALLEY RPO CALGARY ALBERTA T2P4H3 (DATA UPDATED BY: CHANGE OF ADDRESS 131109940) (DATA UPDATED BY: TRANSFER OF CAVEAT

151030881)

061 218 804 02/06/2006 UTILITY RIGHT OF WAY GRANTEE - EMBER RESOURCES INC. (DATA UPDATED BY: TRANSFER OF UTILITY RIGHT OF WAY 151192911)

091 017 934 20/01/2009 CAVEAT

RE : LEASE INTEREST UNDER 20 ACRES CAVEATOR - EMBER RESOURCES INC. PO BOX 20083, BOW VALLEY RPO CALGARY ALBERTA T2P4H3 (DATA UPDATED BY: CHANGE OF ADDRESS 131158048) (DATA UPDATED BY: TRANSFER OF CAVEAT 151030946)

091 174 826 22/06/2009 UTILITY RIGHT OF WAY GRANTEE - EMBER RESOURCES INC. PO BOX 20083, BOW VALLEY RPO CALGARY ALBERTA T2P4H3 (DATA UPDATED BY: TRANSFER OF UTILITY RIGHT OF WAY 151189229)

TOTAL INSTRUMENTS: 006

PAGE 3 # 191 001 492

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ORDER NUMBER: 38066559

CUSTOMER FILE NUMBER:



END OF CERTIFICATE

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THE ABOVE PROVISIONS DO NOT PROHIBIT THE ORIGINAL PURCHASER FROM INCLUDING THIS UNMODIFIED PRODUCT IN ANY REPORT, OPINION, APPRAISAL OR OTHER ADVICE PREPARED BY THE ORIGINAL PURCHASER AS PART OF THE ORIGINAL PURCHASER APPLYING PROFESSIONAL, CONSULTING OR TECHNICAL EXPERTISE FOR THE BENEFIT OF CLIENT(S).



S							
LINC				TITLE NUMBER			
0013 787 866	4;26;24;5;NE			191 011 791			
LEGAL DESCRIPTION							
MERIDIAN 4 RAN	IGE 26 TOWNSHIP 24						
SECTION 5							
QUARTER NE							
CONTAINING 64.7	HECTARES (160 ACRES) MORE	OR LESS					
EXCEPTING THERE							
A) AT AN 0010066				MORE OR LESS			
	5 DESCRIPTIVE COUT ALL MINES AND MINERALS	2.08	(5.14)				
	O WORK THE SAME						
ESTATE: FEE SIM	1PLE						
MUNICIPALITY: W	HEATLAND COUNTY						
REFERENCE NUMBE	CR: 011 114 510						
	REGISTERED OWNER (S)					
BEGISTRATION		377 T TTE		CONSTRERATION			
REGISTRATION	DATE (DMY) DOCUMENT TYPE	VALUE		CONSIDERATION			
	DATE (DMY) DOCUMENT TYPE			CONSIDERATION			
191 011 791 1	L7/01/2019 TRANSFER OF LAND						
191 011 791 1 OWNERS	17/01/2019 TRANSFER OF LAND						
191 011 791 1 OWNERS 2151836 ALBERTA	17/01/2019 TRANSFER OF LAND						
191 011 791 1 OWNERS 2151836 ALBERTA OF 400, 444-7 A	17/01/2019 TRANSFER OF LAND A INC. AVE SW						
191 011 791 1 OWNERS 2151836 ALBERTA OF 400, 444-7 A CALGARY	17/01/2019 TRANSFER OF LAND A INC. AVE SW						
191 011 791 1 OWNERS 2151836 ALBERTA OF 400, 444-7 A CALGARY	17/01/2019 TRANSFER OF LAND A INC. AVE SW						
191 011 791 1 OWNERS 2151836 ALBERTA OF 400, 444-7 A CALGARY	17/01/2019 TRANSFER OF LAND A INC. AVE SW						
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191 011 791 1 OWNERS 2151836 ALBERTA OF 400, 444-7 A CALGARY ALBERTA T2P 0X8 	L7/01/2019 TRANSFER OF LAND A INC. AVE SW B ENCUMBRANCES, LIENS	& INTERE:					
191 011 791 1 OWNERS 2151836 ALBERTA OF 400, 444-7 A CALGARY ALBERTA T2P 0X8 	L7/01/2019 TRANSFER OF LAND A INC. AVE SW B ENCUMBRANCES, LIENS ATE (D/M/Y) PARTICULAR RESTRICTIVE COVEN	& INTERE: S ANT					
191 011 791 1 OWNERS 2151836 ALBERTA OF 400, 444-7 A CALGARY ALBERTA T2P 0X8 	L7/01/2019 TRANSFER OF LAND A INC. AVE SW B ENCUMBRANCES, LIENS ATE (D/M/Y) PARTICULAR	& INTERE S ANT WAY	STS	SEE INSTRUMENT			

ENCUMBRANCES, LIENS & INTERESTS PAGE 2 # 191 011 791 REGISTRATION NUMBER DATE (D/M/Y) PARTICULARS LIMITED. 991 329 603 09/11/1999 CAVEAT RE : SURFACE LEASE UNDER 20 ACRES CAVEATOR - EMBER RESOURCES INC. PO BOX 20083, BOW VALLEY RPO CALGARY ALBERTA T2P4H3 (DATA UPDATED BY: CHANGE OF NAME 051232808) (DATA UPDATED BY: CHANGE OF ADDRESS 131090464) (DATA UPDATED BY: TRANSFER OF CAVEAT 151030781) 041 166 631 11/05/2004 UTILITY RIGHT OF WAY GRANTEE - EMBER RESOURCES INC. PO BOX 20083, BOW VALLEY RPO CALGARY ALBERTA T2P4H3 (DATA UPDATED BY: TRANSFER OF UTILITY RIGHT OF WAY 151152403) 061 062 813 10/02/2006 CAVEAT **RE : SURFACE LEASE UNDER 20 ACRES** CAVEATOR - EMBER RESOURCES INC. PO BOX 20083, BOW VALLEY RPO CALGARY ALBERTA T2P4H3 (DATA UPDATED BY: CHANGE OF ADDRESS 131109938) (DATA UPDATED BY: TRANSFER OF CAVEAT 151030882) 061 218 561 02/06/2006 UTILITY RIGHT OF WAY GRANTEE - EMBER RESOURCES INC. (DATA UPDATED BY: TRANSFER OF UTILITY RIGHT OF WAY 151192911) 071 176 791 14/04/2007 CAVEAT **RE : SURFACE LEASE UNDER 20 ACRES** CAVEATOR - EMBER RESOURCES INC. PO BOX 20083, BOW VALLEY RPO CALGARY ALBERTA T2P4H3 (DATA UPDATED BY: CHANGE OF ADDRESS 131112239) (DATA UPDATED BY: TRANSFER OF CAVEAT 151030746)

TOTAL INSTRUMENTS: 007

PAGE 3 # 191 011 791

THE REGISTRAR OF TITLES CERTIFIES THIS TO BE AN ACCURATE REPRODUCTION OF THE CERTIFICATE OF TITLE REPRESENTED HEREIN THIS 24 DAY OF SEPTEMBER, 2019 AT 01:59 P.M.

ORDER NUMBER: 38066481

CUSTOMER FILE NUMBER:



END OF CERTIFICATE

THIS ELECTRONICALLY TRANSMITTED LAND TITLES PRODUCT IS INTENDED FOR THE SOLE USE OF THE ORIGINAL PURCHASER, AND NONE OTHER, SUBJECT TO WHAT IS SET OUT IN THE PARAGRAPH BELOW.



S						
LINC	SHORT LE	GAL			TITL	E NUMBER
0012 901 294	4;26;24;	8;SW			191	011 969
LEGAL DESCRIPTI	-					
MERIDIAN 4 RANG	E 26 TOWN	SHIP 24				
SECTION 8						
QUARTER SOUTH W	EST					
EXCEPTING THERE	OUT ALL M	INES AND M	INERALS			
AREA: 64.7 HECT	ARES (160	ACRES) MO	RE OR LES	S		
ESTATE: FEE SIM	PLE					
MUNICIPALITY: W	HEATLAND (COUNTY				
DEFEDENCE NUMBE	D. 121 006	404 11				
REFERENCE NUMBE	R: 131 096	424 +1				
	1	REGISTERED	OWNER(S)			
REGISTRATION					CONS	IDERATION
191 011 969 1	7/01/2019	TRANSFER	OF LAND		SEE 3	INSTRUMENT
OWNERS						
2151836 ALBERTA	INC.					
OF 400, 444-7 A	VE SW					
CALGARY						
ALBERTA T2P 0X8						
	EN	ICUMBRANCES	S, LIENS &	INTERESTS		
REGISTRATION						
NUMBER DA'	TE (D/M/Y) PAI				
550CN .		RESTRICTIV	VE COVENA	NT		
		"COVENANT:	S AND CON	DITIONS"		
061 119 302 2	3/03/2006	CAVEAT				
		RE : SURF	ACE LEASE	UNDER 20 ACRES		
		CAVEATOR	- EMBER R	ESOURCES INC.		
		PO BOX 20	083, вой ч	VALLEY RPO		
		CALGARY	-,			
		ALBERTA T	2р4н3			

(CONTINUED)

	EN	CUMBRANCES, LIENS & INTERESTS
		PAGE 2
REGISTRATION		# 191 011 969
NUMBER	DATE (D/M/Y)	PARTICULARS
		(DATA UPDATED BY: CHANGE OF ADDRESS 131110104)
		(DATA UPDATED BY: TRANSFER OF CAVEAT
		151030881)
061 218 801	02/06/2006	UTILITY RIGHT OF WAY
		GRANTEE - EMBER RESOURCES INC.
		(DATA UPDATED BY: TRANSFER OF UTILITY RIGHT
		OF WAY 151192937)
091 017 690	20/01/2009	CAVEAT
		RE : LEASE INTEREST UNDER 20 ACRES
		CAVEATOR - EMBER RESOURCES INC.
		PO BOX 20083, BOW VALLEY RPO
		CALGARY
		ALBERTA T2P4H3
		(DATA UPDATED BY: CHANGE OF ADDRESS 131158047)
		(DATA UPDATED BY: TRANSFER OF CAVEAT
		151034471)
091 174 833	22/06/2009	UTILITY RIGHT OF WAY
		GRANTEE - EMBER RESOURCES INC.
		PO BOX 20083, BOW VALLEY RPO
		CALGARY
		ALBERTA T2P4H3
		(DATA UPDATED BY: TRANSFER OF UTILITY RIGHT
		OF WAY 151189310)

TOTAL INSTRUMENTS: 005

THE REGISTRAR OF TITLES CERTIFIES THIS TO BE AN ACCURATE REPRODUCTION OF THE CERTIFICATE OF TITLE REPRESENTED HEREIN THIS 24 DAY OF SEPTEMBER, 2019 AT 01:59 P.M.

ORDER NUMBER: 38066481

CUSTOMER FILE NUMBER:



END OF CERTIFICATE

THIS ELECTRONICALLY TRANSMITTED LAND TITLES PRODUCT IS INTENDED FOR THE SOLE USE OF THE ORIGINAL PURCHASER, AND NONE OTHER, SUBJECT TO WHAT IS SET OUT IN THE PARAGRAPH BELOW.



S							
LINC				TITLE NUMBER			
0028 909 794	4;26;24;8;SE			191 012 005			
LEGAL DESCRIPTI	LEGAL DESCRIPTION						
MERIDIAN 4 RAN	GE 26 TOWNSHIP 24						
SECTION 8							
QUARTER SOUTH E	AST						
CONTAINING 64.7	HECTARES (160 ACRE	S) MORE OF	R LESS				
EXCEPTING THERE							
	NUMBER			E OR LESS			
	0111837		4 5.00				
	OUT ALL MINES AND M	IINERALS					
AND THE RIGHT T	O WORK THE SAME						
ESTATE: FEE SIM	PLE						
MUNICIPALITY: W	HEATLAND COUNTY						
REFERENCE NUMBE							
	REGISTERED						
REGISTRATION	DATE (DMY) DOCUMENT		VALUE	CONSIDERATION			
	• • • • • • •						
191 012 005 1	7/01/2019 TRANSFER	OF LAND	\$1,988,429	\$1,988,429			
 191 012 005 1 OWNERS	7/01/2019 TRANSFER	COF LAND	\$1,988,429	\$1,988,429			
OWNERS		COF LAND	\$1,988,429	\$1,988,429			
OWNERS 2151836 ALBERTA	INC.	COF LAND	\$1,988,429	\$1,988,429			
OWNERS	INC.	OF LAND	\$1,988,429	\$1,988,429			
OWNERS 2151836 ALBERTA OF 400, 444-7 A CALGARY	INC.	OF LAND	\$1,988,429	\$1,988,429			
OWNERS 2151836 ALBERTA OF 400, 444-7 A	INC.	OF LAND	\$1,988,429	\$1,988,429			
OWNERS 2151836 ALBERTA OF 400, 444-7 A CALGARY	INC.	OF LAND	\$1,988,429	\$1,988,429			
OWNERS 2151836 ALBERTA OF 400, 444-7 A CALGARY	INC.			\$1,988,429			
OWNERS 2151836 ALBERTA OF 400, 444-7 A CALGARY ALBERTA T2P 0X8	INC. VE SW			\$1,988,429			
OWNERS 2151836 ALBERTA OF 400, 444-7 A CALGARY ALBERTA T2P 0X8 	INC. VE SW ENCUMBRANCE:	S, LIENS &		\$1,988,429			
OWNERS 2151836 ALBERTA OF 400, 444-7 A CALGARY ALBERTA T2P 0X8 	INC. VE SW	S, LIENS &		\$1,988,429			
OWNERS 2151836 ALBERTA OF 400, 444-7 A CALGARY ALBERTA T2P 0X8 	INC. VE SW ENCUMBRANCE TE (D/M/Y) PA	S, LIENS &	INTERESTS	\$1,988,429			
OWNERS 2151836 ALBERTA OF 400, 444-7 A CALGARY ALBERTA T2P 0X8 	INC. VE SW ENCUMBRANCE TE (D/M/Y) PA RESTRICTI	S, LIENS &	INTERESTS	\$1,988,429			
OWNERS 2151836 ALBERTA OF 400, 444-7 A CALGARY ALBERTA T2P 0X8 	INC. VE SW ENCUMBRANCE TE (D/M/Y) PA	S, LIENS & RTICULARS	INTERESTS	\$1,988,429			

		EN	CUMBRANCES, LIENS & INTERESTS PAGE 2
EGISTRATION			# 191 012 005
	DATE	(D/M/Y)	PARTICULARS
			CAVEATOR - WHEATLAND COUNTY.
			HWY #1 RR#1
			STRATHMORE
			ALBERTA T1P1J6
71 131 592	19/0	3/2007	UTILITY RIGHT OF WAY
			GRANTEE - EMBER RESOURCES INC.
			(DATA UPDATED BY: TRANSFER OF UTILITY RIGHT
			OF WAY 151192937)
71 142 185	23/0	3/2007	CAVEAT
			RE : LEASE INTEREST UNDER 20 ACRES
			CAVEATOR - EMBER RESOURCES INC.
			PO BOX 20083, BOW VALLEY RPO
			CALGARY
			ALBERTA T2P4H3
			(DATA UPDATED BY: CHANGE OF ADDRESS 13110418
			(DATA UPDATED BY: TRANSFER OF CAVEAT
			151030881)
71 144 416	26/0	3/2007	
			RE : LEASE INTEREST UNDER 20 ACRES
			CAVEATOR - EMBER RESOURCES INC.
			PO BOX 20083, BOW VALLEY RPO
			CALGARY
			ALBERTA T2P4H3
			(DATA UPDATED BY: CHANGE OF ADDRESS 13110422
			(DATA UPDATED BY: TRANSFER OF CAVEAT
			151030882)
OTAL INSTRUM		005	

THE REGISTRAR OF TITLES CERTIFIES THIS TO BE AN ACCURATE REPRODUCTION OF THE CERTIFICATE OF TITLE REPRESENTED HEREIN THIS 24 DAY OF SEPTEMBER, 2019 AT 01:59 P.M.

ORDER NUMBER: 38066481

CUSTOMER FILE NUMBER:



END OF CERTIFICATE

THIS ELECTRONICALLY TRANSMITTED LAND TITLES PRODUCT IS INTENDED FOR THE SOLE USE OF THE ORIGINAL PURCHASER, AND NONE OTHER, SUBJECT TO WHAT IS SET OUT IN THE PARAGRAPH BELOW.



S LINC SHORT LEGAL 0021 809 728 4;26;24;9;NW 0021 809 736 4;26;24;9;NE

TITLE NUMBER 191 012 150

LEGAL DESCRIPTION

FIRST MERIDIAN 4 RANGE 26 TOWNSHIP 24 SECTION 9 THE SOUTH HALF OF THE NORTH WEST QUARTER AND THE SOUTH HALF OF LEGAL SUBDIVISIONS 13 AND 14 CONTAINING 48.6 HECTARES (120 ACRES) MORE OR LESS EXCEPTING THEREOUT ALL MINES AND MINERALS AND THE RIGHT TO WORK THE SAME

SECOND

MERIDIAN 4 RANGE 26 TOWNSHIP 24 SECTION 9 THE SOUTH HALF OF THE NORTH EAST QUARTER AND THE SOUTH HALF OF LEGAL SUBDIVISION 15 CONTAINING 40.5 HECTARES (100 ACRES) MORE OR LESS EXCEPTING THEREOUT ALL MINES AND MINERALS AND THE RIGHT TO WORK THE SAME

ESTATE: FEE SIMPLE

MUNICIPALITY: WHEATLAND COUNTY

REFERENCE NUMBER: 131 096 424

REGISTERED OWNER(S)

REGISTRATION DATE (DMY) DOCUMENT TYPE VALUE CONSIDERATION

191 012 150 17/01/2019 TRANSFER OF LAND \$2,420,000 \$2,420,000

OWNERS

2151836 ALBERTA INC. OF 400, 444-7 AVE SW CALGARY ALBERTA T2P 0X8

ENCUMERANCES, LIENS & INTERESTS PAGE 2 # 191 012 150 NUMBER DATE (D/M/Y) PARTICULARS 6570CE . 28/03/1919 RESTRICTIVE COVENANT AFFECTED LAND: 4;26;24;9;NW 6571CE . 28/03/1919 RESTRICTIVE COVENANT AFFECTED LAND: 4;26;24;9;NW (DATA UPDATED BY: CHANGE OF NAME 051193652) (DATA UPDATED BY: CHANGE OF NAME 051193652) (DATA UPDATED BY: CHANGE OF NAME 051193652) (DATA UPDATED BY: TRANSFER OF CAVEAT 151030692) 051 464 826 07/12/2005 CAVEAT RE : SURFACE LEASE UNDER 20 ACRES CAVEATOR - EMBER RESOURCES INC. FO BOX 20083, BOW VALLEY RFO CALGARY ALBERTA T2P4H3 AFFECTED LAND: 4;26;24;9;NE (DATA UPDATED BY: CHANGE OF ADDRESS 131105435) (DATA UPDATED BY: CHANGE OF ADDRESS 131105435) (DATA UPDATED BY: CHANGE OF ADDRESS 131105435) (DATA UPDATED BY: TRANSFER OF CAVEAT 151030679) 061 218 804 02/06/2006 UTILITY RIGHT OF WAY GRANTE - EMBER RESOURCES INC. (DATA UPDATED BY: TRANSFER OF UTILITY RIGHT OF WAY 151192911) 091 200 100 14/07/2009 UTILITY RIGHT OF WAY					
REGISTRATION # 191 012 150 NUMBER DATE (D/M/Y) PARTICULARS 6570CE 28/03/1919 RESTRICTIVE COVENANT AFFECTED LAND: 4;26;24;9;NW 6571CE 28/03/1919 RESTRICTIVE COVENANT AFFECTED LAND: 4;26;24;9;NW 6571CE 28/03/1919 RESTRICTIVE COVENANT AFFECTED LAND: 4;26;24;9;NW 001 166 909 21/06/2000 CAVEAT RE : SURFACE LEASE UNDER 20 ACRES CAVEATOR - EMBER RESOURCES INC. BOX 20083 RPO BOW VALLEY CALGARY ALBERTA T2P4H3 AGENT - SEAL. AFFECTED LAND: 4;26;24;9;NW (DATA UPDATED BY: CHANGE OF NAME 051193652) (DATA UPDATED BY: CHANGE OF ADDRESS 131164988) (DATA UPDATED BY: TRANSFER OF CAVEAT 151030692) 051 464 826 07/12/2005 CAVEAT RE : SURFACE LEASE UNDER 20 ACRES CAVEATOR - EMBER RESOURCES INC. PO BOX 20083, BOW VALLEY RPO CALGARY ALBERTA T2P4H3 AFFECTED LAND: 4;26;24;9;NE (DATA UPDATED BY: TRANSFER OF CAVEAT 151030679) 061 218 804 02/06/2006 UTILITY RIGHT OF WAY GRANTEE - EMBER RESOURCES INC. (DATA UPDATED BY: TRANSFER OF UTILITY RIGHT OF WAY 151192911) 091 200 100 14/07/2009 UTILITY RIGHT OF WAY		ENCUMBRANCES, LIENS & I			
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AFFECTED LAND: 4;26;24;9;NW 6571CE . 28/03/1919 RESTRICTIVE COVENANT AFFECTED LAND: 4;26;24;9;NE 001 166 909 21/06/2000 CAVEAT RE : SURFACE LEASE UNDER 20 ACRES CAVEATOR - EMBER RESOURCES INC. BOX 20083 RPO BOW VALLEY CALGARY ALBERTA T2P4H3 AGENT - SEAL. AFFECTED LAND: 4;26;24;9;NW (DATA UPDATED BY: CHANGE OF ADDRESS 131164986) (DATA UPDATED BY: CHANGE OF ADDRESS 131164986) (DATA UPDATED BY: TRANSFER OF CAVEAT 151030692) 051 464 826 07/12/2005 CAVEAT RE : SURFACE LEASE UNDER 20 ACRES CAVEATOR - EMBER RESOURCES INC. PO BOX 20083, BOW VALLEY RPO CALGARY ALBERTA T2P4H3 AFFECTED LAND: 4;26;24;9;NE (DATA UPDATED BY: CHANGE OF ADDRESS 131105435) (DATA UPDATED BY: CHANGE OF ADDRESS 131105435) (DATA UPDATED BY: CHANGE OF CAVEAT 151030679) 061 218 804 02/06/2006 UTILITY RIGHT OF WAY GRANTEE - EMBER RESOURCES INC. (DATA UPDATED BY: TRANSFER OF UTILITY RIGHT OF WAY 151192911) 091 200 100 14/07/2009 UTILITY RIGHT OF WAY	NUMBER DATE (I	D/M/Y) PARTICULARS			
AFFECTED LAND: 4;26;24;9;NW 6571CE . 28/03/1919 RESTRICTIVE COVENANT AFFECTED LAND: 4;26;24;9;NE 001 166 909 21/06/2000 CAVEAT RE : SURFACE LEASE UNDER 20 ACRES CAVEATOR - EMBER RESOURCES INC. BOX 20083 RPO BOW VALLEY CALGARY ALBERTA T2P4H3 AGENT - SEAL. AFFECTED LAND: 4;26;24;9;NW (DATA UPDATED BY: CHANGE OF ADDRESS 131164986) (DATA UPDATED BY: CHANGE OF ADDRESS 131164986) (DATA UPDATED BY: TRANSFER OF CAVEAT 151030692) 051 464 826 07/12/2005 CAVEAT RE : SURFACE LEASE UNDER 20 ACRES CAVEATOR - EMBER RESOURCES INC. PO BOX 20083, BOW VALLEY RPO CALGARY ALBERTA T2P4H3 AFFECTED LAND: 4;26;24;9;NE (DATA UPDATED BY: CHANGE OF ADDRESS 131105435) (DATA UPDATED BY: CHANGE OF ADDRESS 131105435) (DATA UPDATED BY: CHANGE OF CAVEAT 151030679) 061 218 804 02/06/2006 UTILITY RIGHT OF WAY GRANTEE - EMBER RESOURCES INC. (DATA UPDATED BY: TRANSFER OF UTILITY RIGHT OF WAY 151192911) 091 200 100 14/07/2009 UTILITY RIGHT OF WAY					
 6571CE . 28/03/1919 RESTRICTIVE COVENANT AFFECTED LAND: 4,26,24,9,NE 001 166 909 21/06/2000 CAVEAT RE : SURFACE LEASE UNDER 20 ACRES CAVERATOR - EMBER RESOURCES INC. BOX 20083 RPO BOW VALLEY CALGARY ALBERTA T2P4H3 AGENT - SEAL. AFFECTED LAND: 4,26,24,9,NW (DATA UPDATED BY: CHANGE OF NAME 051193652) (DATA UPDATED BY: CHANGE OF ADDRESS 131164988) (DATA UPDATED BY: TRANSFER OF CAVEAT 151030692) 051 464 826 07/12/2005 CAVEAT RE : SURFACE LEASE UNDER 20 ACRES CAVEATOR - EMBER RESOURCES INC. PO BOX 20083, BOW VALLEY RPO CALGARY ALBERTA T2P4H3 AFFECTED LAND: 4,26,24,9,NE (DATA UPDATED BY: CHANGE OF ADDRESS 131105435) (DATA UPDATED BY: TRANSFER OF CAVEAT 151030679) 061 218 804 02/06/2006 UTILITY RIGHT OF WAY GRANTEE - EMBER RESOURCES INC. (DATA UPDATED BY: TRANSFER OF UTILITY RIGHT OF WAY 151192911) 091 200 100 14/07/2009 UTILITY RIGHT OF WAY 	6570CE . 28/03,				
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 RE : SURFACE LEASE UNDER 20 ACRES CAVEATOR - EMBER RESOURCES INC. BOX 20083 RPO BOW VALLEY CALGARY ALBERTA T2P4H3 AGENT - SEAL. AFFECTED LAND: 4;26;24;9;NW (DATA UPDATED BY: CHANGE OF NAME 051193652) (DATA UPDATED BY: CHANGE OF ADDRESS 131164988) (DATA UPDATED BY: TRANSFER OF CAVEAT 151030692) 051 464 826 07/12/2005 CAVEAT RE : SURFACE LEASE UNDER 20 ACRES CAVEATOR - EMBER RESOURCES INC. PO BOX 20083, BOW VALLEY RPO CALGARY ALBERTA T2P4H3 AFFECTED LAND: 4;26;24;9;NE (DATA UPDATED BY: CHANGE OF ADDRESS 131105435) (DATA UPDATED BY: TRANSFER OF CAVEAT 151030679) 061 218 804 02/06/2006 UTILITY RIGHT OF WAY GRANTEE - EMBER RESOURCES INC. (DATA UPDATED BY: TRANSFER OF UTILITY RIGHT OF WAY 091 200 100 14/07/2009 UTILITY RIGHT OF WAY 		AFFECTED LAND:	4;26;24;9;NE		
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CAVEATOR - EMBER RESOURCES INC. BOX 20083 RPO BOW VALLEY CALGARY ALBERTA T2P4H3 AGENT - SEAL. AFFECTED LAND: 4;26;24;9;NW (DATA UPDATED BY: CHANGE OF NAME 051193652) (DATA UPDATED BY: CHANGE OF ADDRESS 131164988) (DATA UPDATED BY: CHANGE OF ADDRESS 131164988) (DATA UPDATED BY: TRANSFER OF CAVEAT 151030692) 051 464 826 07/12/2005 CAVEAT RE : SURFACE LEASE UNDER 20 ACRES CAVEATOR - EMBER RESOURCES INC. PO BOX 20083, BOW VALLEY RPO CALGARY ALBERTA T2P4H3 AFFECTED LAND: 4;26;24;9;NE (DATA UPDATED BY: TRANSFER OF CAVEAT 151030679) 061 218 804 02/06/2006 UTILITY RIGHT OF WAY GRANTEE - EMBER RESOURCES INC. (DATA UPDATED BY: TRANSFER OF UTILITY RIGHT OF WAY 151192911) 091 200 100 14/07/2009 UTILITY RIGHT OF WAY	001 166 909 21/06,		NDER 20 ACRES		
CALGARY ALBERTA T2P4H3 AGENT - SEAL. AFFECTED LAND: 4;26;24;9;NW (DATA UPDATED BY: CHANGE OF NAME 051193652) (DATA UPDATED BY: CHANGE OF ADDRESS 131164988) (DATA UPDATED BY: TRANSFER OF CAVEAT 151030692) 051 464 826 07/12/2005 CAVEAT RE : SURFACE LEASE UNDER 20 ACRES CAVEATOR - EMBER RESOURCES INC. PO BOX 20083, BOW VALLEY RPO CALGARY ALBERTA T2P4H3 AFFECTED LAND: 4;26;24;9;NE (DATA UPDATED BY: CHANGE OF ADDRESS 131105435) (DATA UPDATED BY: TRANSFER OF CAVEAT 151030679) 061 218 804 02/06/2006 UTILITY RIGHT OF WAY GRANTEE - EMBER RESOURCES INC. (DATA UPDATED BY: TRANSFER OF UTILITY RIGHT OF WAY 151192911) 091 200 100 14/07/2009 UTILITY RIGHT OF WAY					
ALBERTA T2P4H3 AGENT - SEAL. AFFECTED LAND: 4;26;24;9;NW (DATA UPDATED BY: CHANGE OF NAME 051193652) (DATA UPDATED BY: CHANGE OF ADDRESS 131164988) (DATA UPDATED BY: TRANSFER OF CAVEAT 151030692) 051 464 826 07/12/2005 CAVEAT RE : SURFACE LEASE UNDER 20 ACRES CAVEATOR - EMBER RESOURCES INC. PO BOX 20083, BOW VALLEY RPO CALGARY ALBERTA T2P4H3 AFFECTED LAND: 4;26;24;9;NE (DATA UPDATED BY: CHANGE OF ADDRESS 131105435) (DATA UPDATED BY: TRANSFER OF CAVEAT 151030679) 061 218 804 02/06/2006 UTILLITY RIGHT OF WAY GRANTEE - EMBER RESOURCES INC. (DATA UPDATED BY: TRANSFER OF UTILLITY RIGHT OF WAY 151192911) 091 200 100 14/07/2009 UTILLITY RIGHT OF WAY		BOX 20083 RPO BOW VA	LLEY		
AGENT - SEAL. AFFECTED LAND: 4;26;24;9;NW (DATA UPDATED BY: CHANGE OF NAME 051193652) (DATA UPDATED BY: CHANGE OF ADDRESS 131164988) (DATA UPDATED BY: TRANSFER OF CAVEAT 151030692) 051 464 826 07/12/2005 CAVEAT RE : SURFACE LEASE UNDER 20 ACRES CAVEATOR - EMBER RESOURCES INC. FO BOX 20083, BOW VALLEY RPO CALGARY ALBERTA T2P4H3 AFFECTED LAND: 4;26;24;9;NE (DATA UPDATED BY: CHANGE OF ADDRESS 131105435) (DATA UPDATED BY: TRANSFER OF CAVEAT 151030679) 061 218 804 02/06/2006 UTILITY RIGHT OF WAY GRANTEE - EMBER RESOURCES INC. (DATA UPDATED BY: TRANSFER OF UTILITY RIGHT OF WAY 151192911) 091 200 100 14/07/2009 UTILITY RIGHT OF WAY		CALGARY			
AFFECTED LAND: 4;26;24;9;NW (DATA UPDATED BY: CHANGE OF NAME 051193652) (DATA UPDATED BY: CHANGE OF ADDRESS 131164988) (DATA UPDATED BY: TRANSFER OF CAVEAT 151030692) 051 464 826 07/12/2005 CAVEAT RE : SURFACE LEASE UNDER 20 ACRES CAVEATOR - EMBER RESOURCES INC. FO BOX 20083, BOW VALLEY RFO CALGARY ALBERTA T2P4H3 AFFECTED LAND: 4;26;24;9;NE (DATA UPDATED BY: CHANGE OF ADDRESS 131105435) (DATA UPDATED BY: TRANSFER OF CAVEAT 151030679) 061 218 804 02/06/2006 UTILITY RIGHT OF WAY GRANTEE - EMBER RESOURCES INC. (DATA UPDATED BY: TRANSFER OF UTILITY RIGHT OF WAY 151192911) 091 200 100 14/07/2009 UTILITY RIGHT OF WAY		_			
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RE : SURFACE LEASE UNDER 20 ACRES CAVEATOR - EMBER RESOURCES INC. PO BOX 20083, BOW VALLEY RPO CALGARY ALBERTA T2P4H3 AFFECTED LAND: 4;26;24;9;NE (DATA UPDATED BY: CHANGE OF ADDRESS 131105435) (DATA UPDATED BY: TRANSFER OF CAVEAT 151030679) 061 218 804 02/06/2006 UTILITY RIGHT OF WAY GRANTEE - EMBER RESOURCES INC. (DATA UPDATED BY: TRANSFER OF UTILITY RIGHT OF WAY 151192911) 091 200 100 14/07/2009 UTILITY RIGHT OF WAY	051 464 826 07/12	/2005 CAVEAT			
PO BOX 20083, BOW VALLEY RPO CALGARY ALBERTA T2P4H3 AFFECTED LAND: 4;26;24;9;NE (DATA UPDATED BY: CHANGE OF ADDRESS 131105435) (DATA UPDATED BY: TRANSFER OF CAVEAT 151030679) 061 218 804 02/06/2006 UTILITY RIGHT OF WAY GRANTEE - EMBER RESOURCES INC. (DATA UPDATED BY: TRANSFER OF UTILITY RIGHT OF WAY 151192911) 091 200 100 14/07/2009 UTILITY RIGHT OF WAY	001 101 010 07,11		NDER 20 ACRES		
CALGARY ALBERTA T2P4H3 AFFECTED LAND: 4;26;24;9;NE (DATA UPDATED BY: CHANGE OF ADDRESS 131105435) (DATA UPDATED BY: TRANSFER OF CAVEAT 151030679) 061 218 804 02/06/2006 UTILITY RIGHT OF WAY GRANTEE - EMBER RESOURCES INC. (DATA UPDATED BY: TRANSFER OF UTILITY RIGHT OF WAY 151192911) 091 200 100 14/07/2009 UTILITY RIGHT OF WAY		CAVEATOR - EMBER RES	OURCES INC.		
ALBERTA T2P4H3 AFFECTED LAND: 4;26;24;9;NE (DATA UPDATED BY: CHANGE OF ADDRESS 131105435) (DATA UPDATED BY: TRANSFER OF CAVEAT 151030679) 061 218 804 02/06/2006 UTILITY RIGHT OF WAY GRANTEE - EMBER RESOURCES INC. (DATA UPDATED BY: TRANSFER OF UTILITY RIGHT OF WAY 151192911) 091 200 100 14/07/2009 UTILITY RIGHT OF WAY		PO BOX 20083, BOW VA	LLEY RPO		
AFFECTED LAND: 4;26;24;9;NE (DATA UPDATED BY: CHANGE OF ADDRESS 131105435) (DATA UPDATED BY: TRANSFER OF CAVEAT 151030679) 061 218 804 02/06/2006 UTILITY RIGHT OF WAY GRANTEE - EMBER RESOURCES INC. (DATA UPDATED BY: TRANSFER OF UTILITY RIGHT OF WAY 151192911) 091 200 100 14/07/2009 UTILITY RIGHT OF WAY					
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151030679) 061 218 804 02/06/2006 UTILITY RIGHT OF WAY GRANTEE - EMBER RESOURCES INC. (DATA UPDATED BY: TRANSFER OF UTILITY RIGHT OF WAY 151192911) 091 200 100 14/07/2009 UTILITY RIGHT OF WAY					
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GRANTEE - EMBER RESOURCES INC. (DATA UPDATED BY: TRANSFER OF UTILITY RIGHT OF WAY 151192911) 091 200 100 14/07/2009 UTILITY RIGHT OF WAY	061 218 804 02/06	/2006 UTTLITY BIGHT OF WAY			
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091 200 100 14/07/2009 UTILITY RIGHT OF WAY		(DATA UPDATED B	Y: TRANSFER OF UTILITY RIGHT		
		OF WAY 15119291	1)		
	091 200 100 14/07	/2009 UTTLITY RIGHT OF WAY			
GRANTEE - EMBER RESOURCES INC.					
PO BOX 20083, BOW VALLEY RPO		PO BOX 20083, BOW VA	LLEY RPO		
CALGARY					
ALBERTA T2P4H3		-			
AFFECTED LAND: 4;26;24;9;NW (DATA UPDATED BY: TRANSFER OF UTILITY RIGHT					
OF WAY 151189326)		•			
		·	-		

TOTAL INSTRUMENTS: 006

THE REGISTRAR OF TITLES CERTIFIES THIS TO BE AN ACCURATE REPRODUCTION OF THE CERTIFICATE OF TITLE REPRESENTED HEREIN THIS 24 DAY OF SEPTEMBER, 2019 AT 01:59 P.M.

ORDER NUMBER: 38066481

CUSTOMER FILE NUMBER:



END OF CERTIFICATE

THIS ELECTRONICALLY TRANSMITTED LAND TITLES PRODUCT IS INTENDED FOR THE SOLE USE OF THE ORIGINAL PURCHASER, AND NONE OTHER, SUBJECT TO WHAT IS SET OUT IN THE PARAGRAPH BELOW.



S LINC SHORT LEGAL TITLE NUMBER 0021 843 701 4;26;24;17;SE 191 013 000 LEGAL DESCRIPTION MERIDIAN 4 RANGE 26 TOWNSHIP 24 SECTION 17 QUARTER SOUTH EAST CONTAINING 64.7 HECTARES (160 ACRES) MORE OR LESS EXCEPTING: FIRST: THE NORTHERLY 88.5 METRES OF THE EASTERLY 137.2 METRES CONTAINING 1.21 HECTARES MORE OR LESS SECONDLY: NUMBER HECTARES (MORE OR LESS) ACRES PLAN NO. 1 HIGHWAY 7511039 1.70 4.20 ROAD 8711533 0.348 0.860 EXCEPTING THEREOUT ALL MINES AND MINERALS ESTATE: FEE SIMPLE MUNICIPALITY: WHEATLAND COUNTY REFERENCE NUMBER: 161 279 011 _____ REGISTERED OWNER(S) REGISTRATION DATE (DMY) DOCUMENT TYPE VALUE CONSIDERATION _____ 191 013 000 18/01/2019 TRANSFER OF LAND \$1,575,000 \$1,575,000 OWNERS 2159564 ALBERTA INC. OF 400, 444 7 AVENUE SW CALGARY ALBERTA T2P 0X8

ENCUMBRANCES, LIENS & INTERESTS

PAGE 2 # 191 013 000

REGISTRATION

NUMBER DATE (D/M/Y) PARTICULARS

741 074 010 31/07/1974 UTILITY RIGHT OF WAY GRANTEE - CANADIAN WESTERN NATURAL GAS COMPANY LIMITED.

TOTAL INSTRUMENTS: 001

THE REGISTRAR OF TITLES CERTIFIES THIS TO BE AN ACCURATE REPRODUCTION OF THE CERTIFICATE OF TITLE REPRESENTED HEREIN THIS 24 DAY OF SEPTEMBER, 2019 AT 01:59 P.M.

ORDER NUMBER: 38066481

CUSTOMER FILE NUMBER:



END OF CERTIFICATE

THIS ELECTRONICALLY TRANSMITTED LAND TITLES PRODUCT IS INTENDED FOR THE SOLE USE OF THE ORIGINAL PURCHASER, AND NONE OTHER, SUBJECT TO WHAT IS SET OUT IN THE PARAGRAPH BELOW.



S			
LINC			TITLE NUMBER
0021 843 693	4;26;24;	17;SW	191 087 397
LEGAL DESCRIPTI	ION		
MERIDIAN 4 RANG	F. 26 TOWN	SHTP 24	
SECTION 17			
QUARTER SOUTH W	IEST		
-		(160 ACRES) MORE OR LESS	
EXCEPTING:		((()((
	NUMBER	HECTARES (MORE OR LESS) A	CRES
NO. 1 HIGHWAY			
		INES AND MINERALS	
ESTATE: FEE SIM	IPLE		
MUNICIPALITY: W	HEATLAND (COUNTY	
REFERENCE NUMBE	R: 151 100	0 410	
		REGISTERED OWNER(S)	
		DOCUMENT TYPE VALUE	
191 087 397 (08/05/2019	TRANSFER OF LAND \$1,872,00	00 \$1,872,000
		, - ,	.,.,.
OWNERS			
2159578 ALBERTA			
OF 400, 444-7 A	AVE .		
CALGARY			
ALBERTA T2P 0X8	3		
	EN	CUMBRANCES, LIENS & INTERESI	'S
		-	
REGISTRATION			
NUMBER DA	TE (D/M/Y)) PARTICULARS	
741 074 010	31/07/1974	UTILITY RIGHT OF WAY	
		GRANTEE - CANADIAN WESTERN	NATURAL GAS COMPANY
		LIMITED.	
141 032 186 (04/02/2014	CAVEAT	

ENCUMBRANCES, LIENS & INTERESTS

PAGE 2 # 191 087 397

REGISTRATION

NUMBER DATE (D/M/Y)

PARTICULARS

RE : LEASE INTEREST CAVEATOR - DARRIN KELLY ATTN: PHILLIP MEYERS MEYERS DAVIS LLP 200, 1518-7 ST SW CALGARY ALBERTA T2R1A7 AGENT - PHILLIP MEYERS

TOTAL INSTRUMENTS: 002

THE REGISTRAR OF TITLES CERTIFIES THIS TO BE AN ACCURATE REPRODUCTION OF THE CERTIFICATE OF TITLE REPRESENTED HEREIN THIS 24 DAY OF SEPTEMBER, 2019 AT 01:59 P.M.

ORDER NUMBER: 38066481

CUSTOMER FILE NUMBER:

RECUSTRAR OF

END OF CERTIFICATE

THIS ELECTRONICALLY TRANSMITTED LAND TITLES PRODUCT IS INTENDED FOR THE SOLE USE OF THE ORIGINAL PURCHASER, AND NONE OTHER, SUBJECT TO WHAT IS SET OUT IN THE PARAGRAPH BELOW.



М			
LINC			SHORT LEGAL
0024	457	533	4;26;24;8;NW
0024	457	541	4;26;24;8;NE
0012	901	294	4;26;24;8;SW
0021	778	014	4;26;24;8;SE

TITLE NUMBER 141 180 457 +13

LEGAL DESCRIPTION

FIRST

ALL MINES AND MINERALS, AND THE RIGHT TO WORK THE SAME WITHIN, UPON OR UNDER: MERIDIAN 4 RANGE 26 TOWNSHIP 24 SECTION 8 QUARTER NORTH WEST AREA: 64.7 HECTARES (160 ACRES) MORE OR LESS

SECOND

ALL MINES AND MINERALS, AND THE RIGHT TO WORK THE SAME WITHIN, UPON OR UNDER: MERIDIAN 4 RANGE 26 TOWNSHIP 24 SECTION 8 QUARTER NORTH EAST AREA: 64.7 HECTARES (160 ACRES) MORE OR LESS

THIRD

ALL MINES AND MINERALS, AND THE RIGHT TO WORK THE SAME WITHIN, UPON OR UNDER: MERIDIAN 4 RANGE 26 TOWNSHIP 24 SECTION 8 QUARTER SOUTH WEST AREA: 64.7 HECTARES (160 ACRES) MORE OR LESS

FOURTH

ALL MINES AND MINERALS WITHIN, UPON OR UNDER: MERIDIAN 4 RANGE 26 TOWNSHIP 24 SECTION 8 QUARTER SOUTH EAST AND THE RIGHT TO WORK THE SAME

PAGE 2 # 141 180 457 +13

SEE INSTRUMENT

AREA: 64.7 HECTARES (160 ACRES) MORE OR LESS

ESTATE: FEE SIMPLE

MUNICIPALITY: WHEATLAND COUNTY

REFERENCE NUMBER: 751 126 173

REGISTERED OWNER(S) REGISTRATION DATE(DMY) DOCUMENT TYPE VALUE CONSIDERATION

141 180 457 16/07/2014 ORDER

OWNERS

PRAIRIESKY ROYALTY LTD. OF PO BOX 780, STATION M CALGARY ALBERTA T2P 2J6

ENCUMBRANCES, LIENS & INTERESTS

REGISTRATION

NUMBER	DATE (D/M/Y)	PARTICULARS

161 120 316 24/05/2016 CAVEAT

RE : MINES AND MINERALS LEASE INTEREST CAVEATOR - EMBER RESOURCES INC. BOX 20083 RPO BOW VALLEY CALGARY ALBERTA T2P4H3

TOTAL INSTRUMENTS: 001

THE REGISTRAR OF TITLES CERTIFIES THIS TO BE AN ACCURATE REPRODUCTION OF THE CERTIFICATE OF TITLE REPRESENTED HEREIN THIS 24 DAY OF SEPTEMBER, 2019 AT 01:59 P.M.

ORDER NUMBER: 38066481

CUSTOMER FILE NUMBER:



END OF CERTIFICATE

THIS ELECTRONICALLY TRANSMITTED LAND TITLES PRODUCT IS INTENDED FOR THE SOLE USE OF THE ORIGINAL PURCHASER, AND NONE OTHER, SUBJECT TO WHAT IS SET OUT IN THE PARAGRAPH BELOW.



м			
LINC			SHORT LEGAL
0012	883	971	4;26;24;5;NW
0012	883	989	4;26;24;5;NE
0021	777	891	4;26;24;5;SW
0021	777	909	4;26;24;5;SE

LEGAL DESCRIPTION

FIRST

ALL MINES AND MINERALS WITHIN, UPON OR UNDER: MERIDIAN 4 RANGE 26 TOWNSHIP 24 SECTION 5 QUARTER NORTH WEST AND THE RIGHT TO WORK THE SAME AREA: 64.7 HECTARES (160 ACRES) MORE OR LESS

SECOND

ALL MINES AND MINERALS WITHIN, UPON OR UNDER: MERIDIAN 4 RANGE 26 TOWNSHIP 24 SECTION 5 QUARTER NORTH EAST AND THE RIGHT TO WORK THE SAME AREA: 64.7 HECTARES (160 ACRES) MORE OR LESS

THIRD

ALL MINES AND MINERALS WITHIN, UPON OR UNDER: MERIDIAN 4 RANGE 26 TOWNSHIP 24 SECTION 5 QUARTER SOUTH WEST AND THE RIGHT TO WORK THE SAME AREA: 64.7 HECTARES (160 ACRES) MORE OR LESS

FOURTH

ALL MINES AND MINERALS WITHIN, UPON OR UNDER: MERIDIAN 4 RANGE 26 TOWNSHIP 24 SECTION 5 QUARTER SOUTH EAST AND THE RIGHT TO WORK THE SAME TITLE NUMBER 141 187 197 +1

PAGE 2 # 141 187 197 +1

SEE INSTRUMENT

AREA: 64.7 HECTARES (160 ACRES) MORE OR LESS

ESTATE: FEE SIMPLE

MUNICIPALITY: WHEATLAND COUNTY

REFERENCE NUMBER: 761 142 788

REGISTERED OWNER(S) REGISTRATION DATE(DMY) DOCUMENT TYPE VALUE CONSIDERATION

141 187 197 22/07/2014 ORDER

OWNERS

PRAIRIESKY ROYALTY LTD. OF PO BOX 780, STATION M CALGARY ALBERTA T2P 2J6

ENCUMBRANCES, LIENS & INTERESTS

REGISTRATION

NUMBER	DATE (D/M/Y)	PARTICULARS

161 120 316 24/05/2016 CAVEAT

RE : MINES AND MINERALS LEASE INTEREST CAVEATOR - EMBER RESOURCES INC. BOX 20083 RPO BOW VALLEY CALGARY ALBERTA T2P4H3

TOTAL INSTRUMENTS: 001

THE REGISTRAR OF TITLES CERTIFIES THIS TO BE AN ACCURATE REPRODUCTION OF THE CERTIFICATE OF TITLE REPRESENTED HEREIN THIS 24 DAY OF SEPTEMBER, 2019 AT 01:59 P.M.

ORDER NUMBER: 38066481

CUSTOMER FILE NUMBER:



END OF CERTIFICATE

THIS ELECTRONICALLY TRANSMITTED LAND TITLES PRODUCT IS INTENDED FOR THE SOLE USE OF THE ORIGINAL PURCHASER, AND NONE OTHER, SUBJECT TO WHAT IS SET OUT IN THE PARAGRAPH BELOW.



м			
LINC			SHORT LEGAL
0012	883	971	4;26;24;5;NW
0012	883	989	4;26;24;5;NE
0021	777	891	4;26;24;5;SW
0021	777	909	4;26;24;5;SE

LEGAL DESCRIPTION

FIRST

ALL MINES AND MINERALS WITHIN, UPON OR UNDER: MERIDIAN 4 RANGE 26 TOWNSHIP 24 SECTION 5 QUARTER NORTH WEST AND THE RIGHT TO WORK THE SAME AREA: 64.7 HECTARES (160 ACRES) MORE OR LESS

SECOND

ALL MINES AND MINERALS WITHIN, UPON OR UNDER: MERIDIAN 4 RANGE 26 TOWNSHIP 24 SECTION 5 QUARTER NORTH EAST AND THE RIGHT TO WORK THE SAME AREA: 64.7 HECTARES (160 ACRES) MORE OR LESS

THIRD

ALL MINES AND MINERALS WITHIN, UPON OR UNDER: MERIDIAN 4 RANGE 26 TOWNSHIP 24 SECTION 5 QUARTER SOUTH WEST AND THE RIGHT TO WORK THE SAME AREA: 64.7 HECTARES (160 ACRES) MORE OR LESS

FOURTH

ALL MINES AND MINERALS WITHIN, UPON OR UNDER: MERIDIAN 4 RANGE 26 TOWNSHIP 24 SECTION 5 QUARTER SOUTH EAST AND THE RIGHT TO WORK THE SAME TITLE NUMBER 141 187 197 +1

PAGE 2 # 141 187 197 +1

SEE INSTRUMENT

AREA: 64.7 HECTARES (160 ACRES) MORE OR LESS

ESTATE: FEE SIMPLE

MUNICIPALITY: WHEATLAND COUNTY

REFERENCE NUMBER: 761 142 788

REGISTERED OWNER(S) REGISTRATION DATE(DMY) DOCUMENT TYPE VALUE CONSIDERATION

141 187 197 22/07/2014 ORDER

OWNERS

PRAIRIESKY ROYALTY LTD. OF PO BOX 780, STATION M CALGARY ALBERTA T2P 2J6

ENCUMBRANCES, LIENS & INTERESTS

REGISTRATION

NUMBER	DATE (D/M/Y)	PARTICULARS

161 120 316 24/05/2016 CAVEAT

RE : MINES AND MINERALS LEASE INTEREST CAVEATOR - EMBER RESOURCES INC. BOX 20083 RPO BOW VALLEY CALGARY ALBERTA T2P4H3

TOTAL INSTRUMENTS: 001

THE REGISTRAR OF TITLES CERTIFIES THIS TO BE AN ACCURATE REPRODUCTION OF THE CERTIFICATE OF TITLE REPRESENTED HEREIN THIS 24 DAY OF SEPTEMBER, 2019 AT 02:03 P.M.

ORDER NUMBER: 38066559

CUSTOMER FILE NUMBER:



END OF CERTIFICATE

THIS ELECTRONICALLY TRANSMITTED LAND TITLES PRODUCT IS INTENDED FOR THE SOLE USE OF THE ORIGINAL PURCHASER, AND NONE OTHER, SUBJECT TO WHAT IS SET OUT IN THE PARAGRAPH BELOW.



S							
LINC	SHORT LEG	AL			TITI	LE NUI	MBER
0021 777 891	4;26;24;5	;SW			191	011 '	791 +1
LEGAL DESCRIPTI	ON						
MERIDIAN 4 RANG	E 26 TOWNS	HIP 24					
SECTION 5							
QUARTER SOUTH W	VEST						
EXCEPTING THERE		NES AND M	INERALS				
AND THE RIGHT I		-					
AREA: 64.7 HECT		-	RE OR LES	s			
		1101/207 1101		-			
ESTATE: FEE SIM							
BOTATE. FEE OIL							
MUNICIPALITY: W	HEATLAND C	OUNTY					
		00111					
REFERENCE NUMBE	R: 131 096	423					
		EGISTERED	• •				
				VALUE	CONS	IDERA	TION
191 011 791 1	L7/01/2019	TRANSFER	OF LAND		SEE	INSTR	UMENT
OWNERS							
0151006 37555							
2151836 ALBERTA							
OF 400, 444-7 A	AVE SW						
CALGARY							
ALBERTA T2P 0X8	3						
	 FN(TTENC	INTERESTS			
	ENC	COMBRANCES	, LIENS d	INIERESIS			
REGISTRATION							
NUMBER DA	שיבי (ה/או/ע)	ואס					
041 166 621 1	L1/05/2004	UTILITY R	IGHT OF W	AY			
		GRANTEE -	EMBER RE	SOURCES INC.			
		PO BOX 20	083, вом	VALLEY RPO			
		CALGARY					
		ALBERTA T	2P4H3				
			-	BY: TRANSFER O	F UTI	LITY	RIGHT
		•	AY 151152				
		01 M		/			

ENCUMBRANCES, LIENS & INTERESTS PAGE 2 # 191 011 791 +1 REGISTRATION NUMBER DATE (D/M/Y) PARTICULARS _____ 061 062 862 10/02/2006 CAVEAT RE : SURFACE LEASE UNDER 20 ACRES CAVEATOR - EMBER RESOURCES INC. PO BOX 20083, BOW VALLEY RPO CALGARY ALBERTA T2P4H3 (DATA UPDATED BY: CHANGE OF ADDRESS 131109938) (DATA UPDATED BY: TRANSFER OF CAVEAT 151030881) 061 218 565 02/06/2006 UTILITY RIGHT OF WAY GRANTEE - EMBER RESOURCES INC. (DATA UPDATED BY: TRANSFER OF UTILITY RIGHT OF WAY 151192910) 091 017 958 20/01/2009 CAVEAT RE : LEASE INTEREST UNDER 20 ACRES CAVEATOR - EMBER RESOURCES INC. PO BOX 20083, BOW VALLEY RPO CALGARY ALBERTA T2P4H3 (DATA UPDATED BY: CHANGE OF ADDRESS 131158048) (DATA UPDATED BY: TRANSFER OF CAVEAT 151030745) 091 174 816 22/06/2009 UTILITY RIGHT OF WAY GRANTEE - EMBER RESOURCES INC. PO BOX 20083, BOW VALLEY RPO CALGARY ALBERTA T2P4H3 (DATA UPDATED BY: TRANSFER OF UTILITY RIGHT OF WAY 151189205) 091 174 821 22/06/2009 UTILITY RIGHT OF WAY GRANTEE - EMBER RESOURCES INC. PO BOX 20083, BOW VALLEY RPO CALGARY ALBERTA T2P4H3 (DATA UPDATED BY: TRANSFER OF UTILITY RIGHT OF WAY 151189229)

TOTAL INSTRUMENTS: 006

THE REGISTRAR OF TITLES CERTIFIES THIS TO BE AN ACCURATE REPRODUCTION OF THE CERTIFICATE OF TITLE REPRESENTED HEREIN THIS 24 DAY OF SEPTEMBER, 2019 AT 02:03 P.M.

ORDER NUMBER: 38066559

CUSTOMER FILE NUMBER:



END OF CERTIFICATE

THIS ELECTRONICALLY TRANSMITTED LAND TITLES PRODUCT IS INTENDED FOR THE SOLE USE OF THE ORIGINAL PURCHASER, AND NONE OTHER, SUBJECT TO WHAT IS SET OUT IN THE PARAGRAPH BELOW.



S				
LINC	SHORT LE	GAL		TITLE NUMBER
0012 883 971	4;26;24;	5; NW		191 011 969 +1
LEGAL DESCRIPTION MERIDIAN 4 RANG SECTION 5 QUARTER NORTH W EXCEPTING THERE AND THE RIGHT T	ON E 26 TOWN: EST OUT ALL MI O WORK THI ARES (160 PLE	SHIP 24 INES AND MINERALS E SAME ACRES) MORE OR LES	S	191 011 969 +1
REFERENCE NUMBE	R:131 121	894		
]	REGISTERED OWNER(S)		
REGISTRATION		DOCUMENT TYPE		CONSIDERATION
191 011 969 1	7/01/2019	TRANSFER OF LAND		SEE INSTRUMENT
OWNERS				
2151836 ALBERTA OF 400, 444-7 A CALGARY ALBERTA T2P 0X8	VE SW			
	 EN	CUMBRANCES, LIENS	 LINTERESTS	
		- /		
REGISTRATION NUMBER DA	TE (D/M/Y)	PARTICULARS		
8277CQ .		RESTRICTIVE COVENA	NT	
061 119 309 2	3/03/2006	CAVEAT RE : SURFACE LEASE CAVEATOR - EMBER R PO BOX 20083, BOW CALGARY ALBERTA T2P4H3	ESOURCES INC.	

(CONTINUED)

ENCUMBRANCES, LIENS & INTERESTS											
REGISTRATION NUMBER DATE (D/M/Y)) PARTICULARS	PAGE 2 # 191 011 969 +1									
	(DATA UPDATED BY: CHANGE OF A (DATA UPDATED BY: TRANSFER OF 151030881)										
061 218 801 02/06/2006	UTILITY RIGHT OF WAY GRANTEE - EMBER RESOURCES INC. (DATA UPDATED BY: TRANSFER OF OF WAY 151192937)	UTILITY RIGHT									
071 176 905 14/04/2007	CAVEAT RE : SURFACE LEASE UNDER 20 ACRES CAVEATOR - EMBER RESOURCES INC. PO BOX 20083, BOW VALLEY RPO CALGARY ALBERTA T2P4H3 (DATA UPDATED BY: CHANGE OF A (DATA UPDATED BY: TRANSFER OF 151030746)										
091 017 964 20/01/2009	CAVEAT RE : LEASE INTEREST UNDER 20 ACRES CAVEATOR - EMBER RESOURCES INC. PO BOX 20083, BOW VALLEY RPO CALGARY ALBERTA T2P4H3 (DATA UPDATED BY: CHANGE OF A (DATA UPDATED BY: TRANSFER OF 151030914)	DDRESS 131158048)									
091 174 820 22/06/2009	UTILITY RIGHT OF WAY GRANTEE - EMBER RESOURCES INC. PO BOX 20083, BOW VALLEY RPO CALGARY ALBERTA T2P4H3 (DATA UPDATED BY: TRANSFER OF OF WAY 151189229)	UTILITY RIGHT									

TOTAL INSTRUMENTS: 006

THE REGISTRAR OF TITLES CERTIFIES THIS TO BE AN ACCURATE REPRODUCTION OF THE CERTIFICATE OF TITLE REPRESENTED HEREIN THIS 24 DAY OF SEPTEMBER, 2019 AT 01:59 P.M.

ORDER NUMBER: 38066481

CUSTOMER FILE NUMBER:



END OF CERTIFICATE

THIS ELECTRONICALLY TRANSMITTED LAND TITLES PRODUCT IS INTENDED FOR THE SOLE USE OF THE ORIGINAL PURCHASER, AND NONE OTHER, SUBJECT TO WHAT IS SET OUT IN THE PARAGRAPH BELOW.



APPENDIX D

Regulatory Inquiry Information

Smart. Responsive. Efficient.



October 8, 2019

Trace Associates Inc. Lincoln Park Centre Suite 300, 37 Richard Way SW Calgary, AB T3E 7M8

Dear Sir/Madam:

Re: File Search Request: S¹/₂-17-024-26 W4M; S¹/₂-08-024-26 W4M; N¹/₂-09-024-26 W4M; and Section 05-024-26 W4M.

Trace Associates Inc. submitted a file search request to Wheatland County staff for the above mentioned parcels for the purpose of identifying the following:

- Presence of current or historical landfills;
- Environmental reports;
- Presence of current or historical above-ground or underground storage tanks (possibly need to contact Fire Department); and
- Bylaw infractions.

At this time staff have no records of any landfills (current or historic), environmental reports or aboveground or underground storage tanks on file (current or historic) on the specified parcels.

The search did reveal that there was a violation of the Land Use Bylaw in relation to signage, but that has since been resolved.

Please contact the undersigned if you have any questions related to this search.

Sincerely,

Diane Bodie Wheatland County



Petroleum Tank Management

Association of Alberta

Suite 980, 10303 Jasper Avenue Edmonton, Alberta T5J 3N6 PH: (780)425-8265 or 1-866-222-8265 FAX: (780)425-4722

September 24, 2019

Nicole J. Koloff Trace Associates Inc. 300, 37 Richard Way SW Calgary AB T3E 7M8

Dear Nicole J. Koloff:

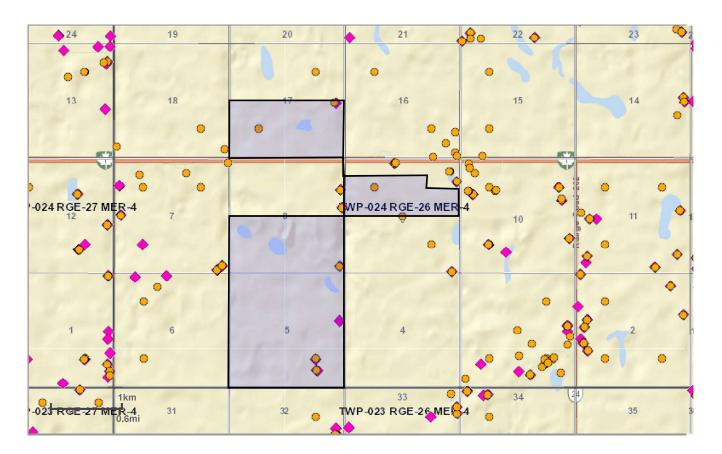
As per your request, the PTMAA has checked the registration of active tank sites and inventory of abandoned tank sites and there are no records for the properties with the legal land description:

S1/2 17-024-26-W4 S1/2 08-024-26-W4 N1/2 09-024-26-W4 Section 05-024-26-W4

Please note that both databases are not complete. The main limitation of these databases is that they only include information reported through registration or a survey of abandoned sites completed in 1992 and should not be considered as a comprehensive inventory of all past or present storage tank sites. The PTMAA <u>cannot</u> guarantee that tanks do not or have not existed at this location. Information in the databases is based on information supplied by the owner and the PTMAA cannot guarantee its accuracy. Information on storage tanks or on past or present contaminant investigations may be filed with the local Fire Department or Alberta Environment.

Yours truly,

<original signed by> PTMAA



Alberta Water Well Information Database Map

Projection

Web Mercator (Auxillary Sphere) Datum WGS 84 Date 2019-09-25 4:16:21 PM

Legend

Groundwater Drilling Report

Baseline Water Well Report ٠

http://groundwater.alberta.ca/WaterWells/d/

Information as depicted is subject to change, therefore the Government of Alberta assumes no responsibility for discrepancies at time of use. © 2009 Government of Alberta © Government of Alberta | Copyright Government of Alberta | Esri, HERE, Garmin, NGA, USGS, NPS

Alberta

Reconnaissance Report

View in Imperial Export to Excel

Groundwater Wells

Please click the water Well ID to generate the Water Well Drilling Report.

GIC Well ID	LSD	SEC	тwр	RGE	м	DRILLING COMPANY	DATE COMPLETED	DEPTH (m)	TYPE OF WORK	USE	СНМ	LT	РТ	WELL OWNER	STATIC LEVEL (m)	TEST RATE (L/min)	SC_DIA (cm)
<u>112283</u>	SW	17	24	26	4	M&M DRILLING CO. LTD.	1969-09-17	46.02	New Well	Domestic & Stock	1	18		JACKSON, BOB	30.48	68.19	12.70
<u>112284</u>	SW	17	24	26	4	UNKNOWN DRILLER		45.72	Chemistry	Domestic	<u>1</u>			RANDALL, LOUISE	6.10		0.00
<u>169778</u>	8	17	24	26	4	M&M DRILLING CO. LTD.	1992-10-21	36.58	New Well	Domestic		15		WOLSTENHOLME, NORM	13.72	68.19	0.00
<u>169778</u>	8	17	24	26	4	M&M DRILLING CO. LTD.	1992-10-21	36.58	New Well	Domestic		15		WOLSTENHOLME, NORM	13.72	227.30	0.00

Please click the water Test ID to generate the Baseline Water Well Test Report.

Baseline Water Well Tests

Test ID	GIC Well ID	LSD	QTR	SEC	тwр	RGE	м	Resource Company	Testing Date	Water Quality	Pump Test	Gas	Isotopes
<u>2002245</u>	<u>169778</u>	8		17	24	26	4	Ember Resources Inc.	2017-03-16	Yes	Yes	-	-

Mborta Water Well Drilling Report View in Imperial Export to Excel

	ervic	т	he driller suppli ccuracy. The in	es the data formation o	contained in this r on this report will be	report. The Pro	ovince disclaims re public database.	esponsibility for	for its	GIC Well ID GoA Well Tag Drilling Compa Date Report R	any Well ID	112256) 1987/03/20
	tification and Lo	ocation										easurement in Metric
<mark>Owner Nan</mark> DOROSH,			Address P.O. BOX 1	1517 STR/	ATHMORE	Town	1		Province	Cou	ntry	Postal Code T0J 3H0
Location	1/4 or LSD NW	SEC 9	<i>TWP</i> 24	<i>RGE</i> 26	W of MER 4	Lot	Block	Plan	Addition	nal Description		
Measured f		f m from m from			Latitude	dinates in Dec 51.034143 ion Obtained		(NAD 83) de113.580)435	Elevation How Elevation Not Obtained		<u>m</u>
Drilling Inf Method of Unknown Proposed I Domestic	Drilling				Type of Wo Chemistry	ork						
Formation	ו Log			Me	easurement ir	n Metric	Yield Test	Summary			M	easurement in Metric
Depth from ground leve	n Water el (m) Bearing	Litholog	gy Descriptior	1			Recommend Test Date			L/min Rate (L/min)	-	c Water Level (m)
							Well Comp Total Depth I 24.38 m Borehole		nished Well	Depth Start I		easurement in Metric End Date
								ter (cm) .00		From (m) 0.00		To (m) 24.38
							Surface Cas	sing (if app	licable)	Well Ca	sing/Line	r
							Size Wall Thickr	e OD : ness :	0.00 cm	_	Size OD : hickness :	
							Botto	m at :	0.00 m		Top at : Bottom at :	
							Perforations	s	Diamete			
							From (m)	To (m)	Slot Wi (cm)	idth Slot Le		Hole or Slot Interval(cm)
							Perforated b Annular Sea Placed fro Amou	al om <u>(</u>	<u>0.00 m</u> ta	o0.0C) m	

Contractor Certi	fication
------------------	----------

Name of Journeyman responsible for drilling/construction of well UNKNOWN NA DRILLER

Company Name UNKNOWN DRILLER Certification No 1

Туре

0.00 cm

To (m)

Bottom Fittings

Grain Size

Other Seals

Screen Type

Pack Туре

Amount

Size OD : From (m)

Attachment Top Fittings

Copy of Well report provided to owner Date approval holder signed

At (m)

Slot Size (cm)

Alberta Water Well Drilling Report

View in ImperialExport to ExcelGIC Well ID112256GoA Well Tag No.112256

GOWN ID					this report will be				for its	Drilling Comp Date Report F		1987/03/20
Well Iden	tification and L	ocation									Me	asurement in Metric
<mark>Owner Nan</mark> DOROSH,			Address P.O. BOX	1517 STRA	THMORE	Town			Province	Cou	untry	Postal Code T0J 3H0
Location	1/4 or LSD NW	SEC 9	<i>TWP</i> 24	RGE 26	W of MER 4	Lot				nal Description	1	
Measured	from Boundary c	of m from m from				51.034143	Longi	es (NAD 83) itude <u>-113.58</u>		Elevation How Elevatio Not Obtained	on Obtained	
Additional	I Information										Ме	asurement in Metric
	From Top of Cas an Flow					ļ.	's Flow Con	trol Installed				
	Rate		L/min									
	ended Pump Rat	te			L/mi					Depth		
Recomme	ended Pump Inta	ike Depth ((From TOC)		m	Туре	³		Make			
										Model (Out	put Rating)	
Did you	Encounter Salin	ie Water (>				h	m			Completion		
			(Gas	Depti	h	<u> </u>		physical Log Submitted to	g Taken o ESRD		
Additior	nal Comments o	n Well					Sample Co	ollected for Pe	otability		Submitted to	o ESRD <u>Yes</u>
Yield Test	t							Tak	en From C	Ground Level	Ме	asurement in Metric
Test Date		Start Tim	e	Static	c Water Level m							
Method o	of Water Remov Type											
1	Removal Rate											
	ithdrawn From											
lf water re	emoval period wa	as < 2 hour	rs, explain wh	ıy								
Water Div	verted for Drilli	ng										
Water Soul	rce			Amc	ount Taken				Diversio	on Date & Time	ŧ.	

Contractor Certification	
Name of Journeyman responsible fo UNKNOWN NA DRILLER	or drilling/construction of well

Company Name UNKNOWN DRILLER Certification No

1

Copy of Well report provided to owner Date approval holder signed

Alberta

Reconnaissance Report

View in Imperial Export to Excel

Groundwater Wells

Please dick the water Well ID to generate the Water Well Drilling Report.

GIC Well ID	LSD	SEC	тwр	RGE	м	DRILLING COMPANY	DATE COMPLETED	DEPTH (m)	TYPE OF WORK	USE	СНМ	LT	РТ	WELL OWNER	STATIC LEVEL (m)	TEST RATE (L/min)	SC_DIA (cm)
<u>112240</u>	SE	5	24	26	4	UNKNOWN DRILLER		45.72	Chemistry	Domestic	1			TORGRIMSON, C.			0.00
<u>112241</u>	SE	5	24	26	4	UNKNOWN DRILLER		45.72	Chemistry	Domestic	1			BISHOP, D.			0.00
<u>112242</u>	1	5	24	26	4	M&M DRILLING CO. LTD.	1988-11-14	36.58	New Well	Stock		9		TORGRIMSON, RAYMOND	6.71	181.84	0.00
290029	SE	8	24	26	4	M&M DRILLING CO. LTD.	1998-09-23	30.48	New Well	Domestic		4	12	TORGRIMSON, KEVIN	11.67	71.37	0.00

Baseline Water Well Tests

Please click the water Test ID to generate the Baseline Water Well Test Report.

Test ID	GIC Well ID	LSD	QTR	SEC	тwр	RGE	м	Resource Company	Testing Date	Water Quality	Pump Test	Gas	Isotopes
1078542			SE	5	24	26	4	Encana Corporation	2006-08-30	Yes	Yes	-	-
1163167			NE	5	24	26	4	Encana Corporation	2006-09-05	Yes	Yes	-	-
1198743	<u>112242</u>		SE	5	24	26	4	Encana Corporation	2008-08-19	Yes	Yes	-	-
<u>1203171</u>	<u>290029</u>		SE	8	24	26	4	Encana Corporation	2009-05-01	Yes	Yes	Yes	-
<u>1213829</u>			NE	5	24	26	4	Encana Corporation	2009-10-13	Yes	Yes	-	-
1216621	<u>112242</u>		SE	5	24	26	4	Encana Corporation	2010-08-04	Yes	Yes	Yes	Yes

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- Government of Alberta Home

Authorization Viewer	Authorization Viewer Traditional Agriculture Registration Viewer						
	Authorizatio Search F						
	The Search Used the	Following Values:					
	Legal Land Location:	NE 09-024-26-W4					
	Act / Document Type:	Water Act, EPEA					
	Show Inactive Authorizations: Yes						
		PDF					

The resulting Authorizations based on the search criteria will be displayed below. A will appear next to the Authorization when documentation is available for viewing or downloading. Please click <u>Viewer Help</u> if you encounter problems viewing the Authorization document.

0 Result(s)

Clear & Return

Comments regarding the Authorization Viewer page may be directed to the Regulatory Approvals Centre RAC.Environment@gov.ab.ca.

<original signed by>

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Authorization Viewer	Authorization Viewer Traditional Agriculture Registration Viewer						
	Authorizatio Search I						
	The Search Used the	Following Values:					
	Legal Land Location:	NW 09-024-26-W4					
	Act / Document Type:	Water Act, EPEA					
	Show Inactive Authorizati	ons: Yes					
		PDF					

The resulting Authorizations based on the search criteria will be displayed below. A will appear next to the Authorization when documentation is available for viewing or downloading. Please click <u>Viewer Help</u> if you encounter problems viewing the Authorization document.

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Authorization Viewer	Authorization Viewer Traditional Agriculture Registration Viewer						
	Authorizati Search						
	The Search Used the	e Following Values:					
	Area Parcel:	Plan: 9010966 Lot: 1					
	Act / Document Type:	Water Act, EPEA					
	Show Inactive Authorizations: Yes						
		PDF					

The resulting Authorizations based on the search criteria will be displayed below. A will appear next to the Authorization when documentation is available for viewing or downloading. Please click <u>Viewer Help</u> if you encounter problems viewing the Authorization document.

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Authorization Viewer	thorization Viewer Traditional Agriculture Registration Viewer						
		zation Viewer - rch Results					
	The Search Used	the Following Values:					
	Area Parcel:	Plan: 0111837 Block: 1 Lot: 1					
	Act / Document Type:	Water Act, EPEA					
	Show Inactive Authorizations: Yes						
		PDF					

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Authorization Viewer	Authorization Viewer Traditional Agriculture Registration Viewer						
	Authorizatio Search R	· · ·					
	The Search Used the	Following Values:					
	Legal Land Location:	SE 17-024-26-W4					
	Act / Document Type:	Water Act, EPEA					
	Show Inactive Authorizations: Yes						
		PDF					

The resulting Authorizations based on the search criteria will be displayed below. A will appear next to the Authorization when documentation is available for viewing or downloading. Please click <u>Viewer Help</u> if you encounter problems viewing the Authorization document.

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Authorization Viewer	Traditional Agriculture Reg	istration Viewer	Public Notices Viewer	Help
	Authorization Search R			
	The Search Used the	Following Values:		
	Legal Land Location:	05-024-26-W4		
	Act / Document Type:	Water Act, EPEA		
	Show Inactive Authorizati	ons: Yes		
		PDF		

The resulting Authorizations based on the search criteria will be displayed below. A will appear next to the Authorization when documentation is available for viewing or downloading. Please click <u>Viewer Help</u> if you encounter problems viewing the Authorization document.

2 Result(s)

Notice 00263421-00-00 under the provisions of the *Water Act*, Code of Practice for *Pipelines and Telecommunication Lines Crossing a Water Body* at 5 5-24-26-W4 * affecting the Wetland - Non Peatlands was received from ENCANA CORPORATION on Sep. 18, 2009. * Additional locations and water bodies, including the queried location, are associated with this notice.

Notice 00263421-00-00 under the provisions of the *Water Act*, Code of Practice for *Pipelines and Telecommunication Lines Crossing a Water Body* at 5 5-24-26-W4 * affecting the Wetland - Non Peatlands was received from ENCANA CORPORATION on Sep. 18, 2009. * Additional locations and water bodies, including the queried location, are associated with this notice.

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Authorization Viewer - Search Results										
The Search Used the Following Values:										
	Legal Land Location:	08-024-26-W4								
	Act / Document Type:	Water Act, EPEA								
Show Inactive Authorizations: Yes										
	on the search criteria will be displayed ng or downloading. Please click View			n						

4 Result(s)

iii(3)
Document 00250012-00-00 CHEADLE/FILLING/WHEATLAND INDUSTRIAL PARK INC F00250012 is held by Wheatland Industrial Park Inc., under the provisions of the <i>Water Act</i> . This Approval is currently expired.
Document 00250012-00-01 CHEADLE/FILLING/WHEATLAND INDUSTRIAL PARK INC F00250012 is held by Wheatland Industrial Park Inc., under the provisions of the <i>Water Act</i> . This Approval is currently expired.
Notice 00263421-00-00 under the provisions of the <i>Water Act</i> , Code of Practice for <i>Pipelines and Telecommunication Lines Crossing a Water Body</i> at 5 5-24-26-W4 * affecting the Wetland - Non Peatlands was received from ENCANA CORPORATION on Sep. 18, 2009. * Additional locations and water bodies, including the queried location, are associated with this notice.
Document 00333600-00-00 WHEATLAND INDUSTRIAL PARK STORM DRAINAGE SYSTEM, PHASE 1 is held by Wheatland Industrial Park Inc., under the provisions of the <i>Environmental Protection & Enhancement Act</i> . This Registration is currently issued as of Jul. 31, 2013 and does not expire.

Clear & Return

Comments regarding the Authorization Viewer page may be directed to the Regulatory Approvals Centre RAC.Environment@gov.ab.ca.



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Authorization Viewer	Public Notices Viewer	Help									
Authorization Viewer - Search Results											
	The Search Used the Following Values:										
	Legal Land Location:	SW 17-024-26-W4									
	Act / Document Type: Water Act, EPEA										
	Show Inactive Authorizati	ons: Yes									
		PDF									

The resulting Authorizations based on the search criteria will be displayed below. A will appear next to the Authorization when documentation is available for viewing or downloading. Please click <u>Viewer Help</u> if you encounter problems viewing the Authorization document.

0 Result(s)

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Comments regarding the Authorization Viewer page may be directed to the Regulatory Approvals Centre RAC.Environment@gov.ab.ca.

Alberta Environment and Parks



A designated location identifies a site where Alberta Environment and Parks has received scientific or technical information for that site and does not imply anything regarding the current state or condition of the site. Please refer to the studies and reports to determine the condition of the site.

ATS

Meridian W -	4
Range	26
Township	24
Section	17
[Quarter]	SE

Search

PBL

Address

Place Name

Coordinate

.

Help with Map



The ESA marker represents an approximate location of a site where the Government of Alberta has received scientific and/or technical information. The marker is an arbitrary, 40 meter diameter circle centered on the property for which this information is attached. For locations or other site information, see the document results table. Spatial Search provided by the Alberta Land Titles <u>SPIN 2 System</u>

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Environment berta and Parks

Alberta.ca > Environment and Parks > Land - Industrial > Programs / Services > Environmental Site Assessment Repository (ESAR)

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- <u>Air</u>
- Land
- Waste
- Water
- <u>Newsroom</u>
- <u>About Us</u>

Environmental Site Assessment Repository (ESAR)

- Search Form
- Map Search
- Download Complete ESA list (Updated Weekly)

ATS Search

► SHOW HELP

- 24 - 7	-[SE]-[8] Search

Format: MER-RGE-TWP-SEC-[QTR]-[LSD] [] denotes that the quarter section and legal subdivision are optional.

PBL Search

► SHOW HELP

Plan: Block: [] Lot: [] Search

Format: Plan - [Block] - [Lot] denotes that the Block and/or Lot are optional.

Search₋Results

Name Reclamation Address 8-7-24-26-4



View View Map Docs

Note:

An ESA document does not necessarily mean the site is, or ever was, contaminated. Please refer to the studies and reports to determine the condition of the site. **Place Name, Street Address**, and **Coordinate Searches** are avaliable on the map page

-A marker identified as ESA is the location of a site where Alberta Environment and Parks has received scientific and/or technical information

-A marker identified as REC is the location of a site where Alberta Environment and Parks has received an application for a reclamation certificate.

Comments and questions can be directed to: ESAR-Support@gov.ab.ca

Document Results

2 Result(s)

			File	FileSize	:
Selec	t Name	Description	Туре	(MB)	Date
	Reclamation	Reclamation Certificate Documentation - PCP ARDENODE 8-7-24-26 WELL	pdf	0.10	7/28/1992
	Reclamation	Reclamation Application Documentation - PCP ARDENODE 8-7-24-26 WELL	pdf	0.39	7/3/1992

Document Delivery

http://www.esar.alberta.ca/esarmain.aspx?esaid=00094679

● Download ○ Email

Deliver Selected Documents

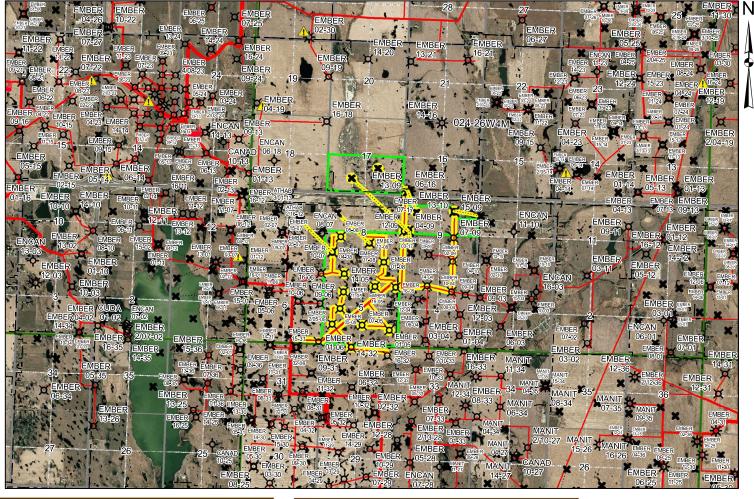
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On-Site Oil and Gas-Related Facilities, Spills, and Complaints



Abandoned Wellhead	🕱 Miscellaneous Wellhead	AB Environment Water Wel
d Suspended Gas Wellhead	ø Water Wellhead	@ User Water Well
Suspended Oil Wellhead	Well Downhole Location	Monitor Well
Flowing Gas Wellhead	L Newly Licenced Well	
 Location Wellhead 	S Newly Spudded Well	
Flowing Oil Wellhead	E	

PIP	ELINES				
	Gas Pipeline	Water Pi	peline	Foreign Pipeline (Wh	en Filtering by Con
-	Oil Pipeline	LVP/HVP	Pipeline	Gas Co-op Pipeline (Low Pressure)
0	500 1,000	2,000	3,000	4,000	
				m	

🕅 🖣 1 of 1 🕨 🕅 💠 🚺 Find | Next 🔍 🗸 🍥

AER Pipeline Report

AER LIC/LINE #	COMPANY NAME	LICENSE DATE	FROM LOCATION	TO LOCATION	LGTH (kms)	STS	SUB	H2S (mol/ kmol)	OD (mm)	WT (mm)	МАТ	TYPE	GRD	MOP (kpa)	JNT	INTL COAT	STRESS LEVEL (%)	ENV	FIELD
57239 - 1	EMBER RESOURCES INC.	MAY 11 2005	16-5-24-26W4 WE	1-6-24-26W4 PL	2.04	0	NG	0	141.3	19.35	Р	3408	7.3	1750	в	U	50		ENTICE
57359 - 29	EMBER RESOURCES INC.	MAY 30 2007	16-5-24-26W4 PL	2-6-24-26W4 PL	2.73	0	NG	0	273.1	37.41	Ρ	3408	7.3	1750	в	U	50		ENTICE
57359 - 30	EMBER RESOURCES INC.	MAY 30 2007	16-32-23-26W4 WE	4-5-24-26W4 PL	1.31	0	NG	0	141.3	19.35	Р	3408	7.3	1750	в	U	50		ENTICE
57359 - 31	EMBER RESOURCES INC.	MAY 30 2007	5-5-24-26W4 WE	6-5-24-26W4 PL	0.34	0	NG	0	141.3	19.35	Р	3408	7.3	1750	в	U	50		ENTICE
57359 - 32	EMBER RESOURCES INC.	MAY 30 2007	1-5-24-26W4 WE	10-5-24-26W4 PL	0.68	0	NG	0	141.3	19.35	Р	3408	7.3	1750	в	U	50		ENTICE
57359 - 33	EMBER RESOURCES INC.	MAY 30 2007	15-5-24-26W4 WE	16-5-24-26W4 PL	0.39	0	NG	0	141.3	19.35	Ρ	3408	7.3	1750	в	υ	50		ENTICE
57359 - 53	EMBER RESOURCES INC.	AUG 31 2007	4-8-24-26W4 WE	13-5-24-26W4 PL	0.45	0	NG	0	141.3	19.35	Р	3408	7.3	1750	В	U	50		ENTICE
57359 - 54	EMBER RESOURCES INC.	AUG 31 2007	14-5-24-26W4 WE	16-6-24-26W4 PL	0.56	0	NG	0	141.3	19.35	Р	3408	7.3	1750	в	U	50		ENTICE
57359 - 80	EMBER RESOURCES INC.	NOV 30 2007	12-9-24-26W4 WE	13-4-24-26W4 PL	1.3	0	NG	0	141.3	19.35	Р	3408	7.3	1750	в	U	50		ENTICE
57359 - 81	EMBER RESOURCES INC.	NOV 30 2007	10-4-24-26W4 WE	16-5-24-26W4 PL	1.2	0	NG	0	273.1	37.41	Р	3408	7.3	1750	в	U	50		ENTICE
57359 - 85	EMBER RESOURCES INC.	JAN 3 2008	15-9-24-26W4 WE	10-4-24-26W4 PL	1.71	0	NG	0	141.3	19.35	Р	3408	7.3	1750	в	U	50		ENTICE
57359 - 106	EMBER RESOURCES INC.	APR 9 2008	7-8-24-26W4 WE	15-5-24-26W4 PL	1.3	0	NG	0	141.3	19.35	Р	3408	7.3	1750	в	U	50		ENTICE
57359 - 130	EMBER RESOURCES INC.	AUG 27 2010	5-5-24-26W4 WE	5-5-24-26W4 PL	0.52	0	NG	0	141.3	19.36	Р	3608	7.3	1750	в	U	50		ENTICE
57359 - 131	EMBER RESOURCES INC.	AUG 27 2010	11-5-24-26W4 WE	5-5-24-26W4 PL	0.38	0	NG	0	141.3	19.36	Р	3608	7.3	1750	В	U	50		ENTICE
57359 - 132	EMBER RESOURCES INC.	AUG 27 2010	7-5-24-26W4 WE	1-5-24-26W4 PL	0.63	0	NG	0	141.3	19.36	Р	3608	7.3	1750	в	U	50		ENTICE
57359 - 133	EMBER RESOURCES INC.	AUG 27 2010	5-8-24-26W4 WE	4-8-24-26W4 PL	0.49	0	NG	0	141.3	19.36	Ρ	3608	7.3	1750	в	U	50		ENTICE
57359 - 137	EMBER RESOURCES INC.	OCT 1 2010	4-16-24-26W4 WE	12-9-24-26W4 PL	0.96	0	NG	0	141.3	19.36	Р	3608	7.3	1750	В	U	50		ENTICE

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AER Well Report

WELL ID	LICENSE #	LICENSE DATE	WELL NAME	LICENSEE	SURFACE LOCATION	LICENSE STATUS	SPUD DATE	FINAL DRILL DATE	WELL STATUS	ABANDON DATE	SURFACE LATITUDE	SURFACE LONG[TUDE	DOWNHOLE LATITUDE	DOWNHOLE LONG[TUDE	H2S (%)
100 / 01-05-024-26 W4 / 3	0352831	FEB 27 2006	EMBER ENTICE 1-5-24-26	EMBER RESOURCES INC.	01-05-024-26W4M	ssued	MAR 3 2006	MAR 4 2006	COMM		51.011846	-113.589122	51.011846	-113.589122	
100 / 05-05-024-26 W4 / 0	0352679	FEB 23 2006	EMBER ENTICE 5-5-24-26	EMBER RESOURCES INC.	05-05-024-26W4M	ssued	MAR 3 2006	MAR 4 2006	CBMOT FLOW		51.015698	-113.604346	51.015698	-113.604346	
102 / 05-05-024-26 W4 / 2	0414264	NOV 20 2009	EMBER 102 ENTICE 5-5-24-26	EMBER RESOURCES INC.	05-05-024-26W4M	ssued	JAN 30 2010	FEB 17 2010	CBMOT FLOW		51.012593	-113.606604	51.012593	-113.606604	
100 / 07-05-024-26 W4 / 2	0415153	DEC 3 2009	EMBER ENTICE 7-5-24-26	EMBER RESOURCES INC.	07-05-024-26W4M	ssued	JAN 27 2010	FEB 21 2010	CBMOT FLOW		51.012597	-113.597474	51.012597	-113.597474	
100 / 11-05-024-26 W4 / 2	0413618	NOV 2 2009	EMBER ENTICE 11-5-24-26	EMBER RESOURCES INC.	11-05-024-26W4M	Issued	JAN 31 2010	FEB 19 2010	CBMOT FLOW		51.018938	-113.603471	51.018938	-113.603471	
100 / 14-05-024-26 W4 / 4	0354626	MAR 22 2006	EMBER ENTICE 14-5-24-26	EMBER RESOURCES INC.	14-05-024-26W4M	Issued	OCT 7 2006	OCT 14 2006	CBMOT FLOW		51.022379	-113.603464	51.022379	-113.603464	
100 / 15-05-024-26 W4 / 2	0352625	FEB 23 2006	EMBER ENTICE 15-5-24-26	EMBER RESOURCES INC.	15-05-024-26W4M	ssued	MAR 11 2006	MAR 13 2006	CBMOT FLOW		51.020150	-113.593969	51.020150	-113.593969	
100 / 16-05-024-26 W4 / 2	0228960	NOV 21 1999	EMBER ENTICE 16-5-24-26	EMBER RESOURCES INC.	16-05-024-26W4M	ssued	NOV 30 1999	DEC 2 1999	CBMOT FLOW		51.020151	-113.587657	51 <u>.</u> 020151	-113,587657	
100 / 10-07-024-26 W4 / 0	0359985	JUL 10 2006	EMBER ENTICE 10-7-24-26	EMBER RESOURCES INC.	04-08-024-26W4M	Issued	JAN 9 2007	JAN 11 2007	CBMOT FLOW		51.026503	-113.607299	51.032489	-113.617630	
100 / 01-08-024-26 W4 / 3	0376789	MAY 1 2007	EMBER ENTICE 1-8-24-26	EMBER RESOURCES INC.	01-08-024-26W4M	ssued	OCT 23 2007	OCT 24 2007	CBMOT FLOW		51.024839	-113.591504	51.024839	-113.591504	
100 / 04-08-024-26 W4 / 4	0359984	JUL 10 2006	EMBER ENTICE 4-8-24-26	EMBER RESOURCES INC.	04-08-024-26W4M	Amended	OCT 11 2006	OCT 15 2006	CBMOT FLOW		51.026358	-113.607299	51.026358	-113.607299	
100 / 05-08-024-26 W4 / 2	0415083	DEC 2 2009	EMBER ENTICE 5-8-24-26	EMBER RESOURCES INC.	05-08-024-26W4M	ssued	JAN 30 2010	FEB 15 2010	CBMOT FLOW		51.029515	-113.604947	51.029515	-113.604947	
100 / 07-08-024-26 W4 / 0	0377062	MAY 10 2007	EMBER ENTICE 7-8-24-26	EMBER RESOURCES INC.	07-08-024-26W4M	ssued	OCT 9 2007	OCT 10 2007	CBMOT FLOW		51.028371	-113.596097	51.028371	-113.596097	
100 / 12-08-024-26 W4 / 3	0377060	MAY 10 2007	EMBER ENTICE 12-8-24-26	EMBER RESOURCES INC.	07-08-024-26W4M	ssued	OCT 10 2007	OCT 11 2007	CBMOT FLOW		51.028443	-113.596097	51.033972	-113.606171	
100 / 04-09-024-26 W4 / 2	0415152	DEC 3 2009	EMBER ENTICE 4-9-24-26	EMBER RESOURCES INC.	12-09-024-26W4M	ssued	FEB 19 2010	FEB 21 2010	COMM		51.031099	-113.584232	51.026811	-113.583427	
100 / 12-09-024-26 W4 / 0	0238737	JUN 20 2000	EMBER ENTICE 12-9-24-26	EMBER RESOURCES INC.	12-09-024-26W4M	ssued	JUN 22 2000	JUN 27 2000	CBMOT FLOW		51.030976	-113.585696	51.030976	-113.585696	
100 / 13-09-024-26 W4 / 3	0413690	NOV 5 2009	EMBER ENTICE 13-9-24-26	EMBER RESOURCES INC.	04-16-024-26W4M	ssued	DEC 28 2009	DEC 30 2009	CBMOT FLOW		51.038622	-113.585099	51.034664	-113.582140	
100 / 15-09-024-26 W4 / 0	0341450	OCT 28 2005	EMBER ENTICE 15-9-24-26	EMBER RESOURCES INC.	15-09-024-26W4M	Issued	JAN 27 2006	FEB 5 2006	CBMOT FLOW		51.034915	-113.570602	51.034915	-113.570602	
100 / 13-10-024-26 W4 / 0	0418837	FEB 24 2010	EMBER ENTICE 13-10-24-26	EMBER RESOURCES INC.	15-09-024-26W4M	Amended	NOV 21 2010	NOV 22 2010	CBMOT FLOW		51.035139	-113.570585	51.034359	-113.562523	
100 / 03-17-024-26 W4 / 0	0354549	MAR 22 2006	EMBER ENTICE 3-17-24-26	EMBER RESOURCES INC.	12-09-024-26W4M	Amended	JAN 5 2007	JAN 7 2007	CBMOT FLOW		51.031106	-113.584598	51.040761	-113.602234	
100 / 07-17-024-26 W4 / 0	0413692	NOV 5 2009	EMBER ENTICE 7-17-24-26	EMBER RESOURCES INC.	04-16-024-26W4M	Issued	DEC 31 2009	JAN 2 2010	GAS FLOW		51.038622	-113.584743	51.042865	-113.594359	

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