



Dragos Energy Corp.
750 – 340 12th Ave SW
Calgary, AB, T2R 1L5
403-269-2459

June 21, 2018

Stakeholder

Via Regular Mail

BASM LAND & RESOURCES LTD.

600 - 322 11 Avenue SW
Calgary, Alberta T2R 0C5

Re: PROPOSED RECOMPLETION AND DISPOSAL WELL INFORMATION LETTER
LANDS: SE25-069-06W6
WELL NAME: PROGRESS GOLDCK7-25-69-6
SURFACE LOCATION: 07-25-069-06W6

Dragos Energy Corporation (“Dragos”) is proposing to make application to Alberta Energy Regulator (“AER”) for approval to recomplete an existing well located at 07-25-069-06W6M for Class II and Ib disposal (as shown on the attached plot plan).

In accordance with AER *Directive 051: Injection and Disposal Wells – Well Classifications, Completions, Logging, and Testing Requirements* and *Directive 065: Resources Applications for Oil and Gas Reservoirs* Dragos is providing you with the following public notification and consultation document.

The wells total vertical depth will be approx. **1295.0 m** and will be recompleted and operated in accordance with good oilfield practices as well as Alberta Environment and AER regulations. The following table summarizes the AER regulations for this well:

Description	Industry/Public Notification	Disclosure/Notification Radius
Produced Water Disposal (Class Ib)	Industry <ul style="list-style-type: none">• Unit operator (if applicable)• Approval holder of scheme• All well licensees, including those of abandoned wells• All mineral lessees• All mineral lessors	A radius of 1.6 km from the proposed disposal well where the disposal zone is known to be present
	Public <ul style="list-style-type: none">• Landowners and occupants	A radius of 0.5 km

Specific information relative to this project is detailed below:

General Inquiries and Contact Persons:	Company (Drilling) Representative: Steve Laidlaw	Telephone No: (403)-869-9790
	Surface Land: Clint Jensen	Telephone No: (403) 519-3497
	Field Operations: Clint Jensen	Telephone No: (403) 519-3497
	Field/Construction Representative Clint Jensen	Telephone No: (403) 519-3497
Emergency Contact:	DRAGOS Main Line (24 hours)	Telephone No: (403) 269-2459
Surface Facility / Location:	SE 25-069-06W6	
General Description of Project:	DRAGOS proposes to complete one (1) existing vertical well for Class II and Ib disposal located at 07-25-069-06W6M. The disposal zone target formation (Cardium) does not contain H ₂ S. Once approval has been granted, a service rig will be moved onto the location to complete and equip the well for disposal of water.	
Category / Type:	Category: Class II and Class Ib	

(From AER D51)	<p>Description: Class II</p> <p>Disposal refers to the injection of fluids into underground formations for purposes other than enhanced recovery or gas storage.</p> <p>Fluids included in a Class II disposal scheme may include:</p> <ul style="list-style-type: none">• Produced water associated with the recovery of oil, bitumen, gas, or coalbed methane• Brine from salt cavern or solution mining operations• Water-based pigging fluids from cleaning of collection and injection lines• Brine reject or backwash from water softeners associated with enhanced recovery• Water containing polymers or other chemicals for enhanced recovery• Waste fluids from circulation during well cementing• CaCl₂ water <p>Description: Class Ib</p> <p>List:</p> <ul style="list-style-type: none">• saline fluids as obtained from oilfield waste processing facilities, oilfield tank washing operations, oil spill containment and recovery, or similar operations• boiler blowdown water• liquid fraction of drilling muds, including KC1 muds, but excluding diesel inverts (in accordance with section 2.3)• aqueous liquid fractions of spent sweetening agents – neutralized (Cansweet 200,300, 300SX, 500, SulphaCheck, Sulfa-scrub)• amine filter backwash (eg. MEA, DBA, MDEA)• sulphur block run-off water - neutralized• inorganic salts used in heat exchange medium (eg. sodium/potassium nitrates/nitrites), properly solubilized using an existing aqueous waste stream• waste fluids from drilling operations (i.e. used in or originating from the wellbore)• spent workover or stimulation fluids (after neutralization and/or processing to recover hydrocarbons)• glycol solutions as obtained from dehydration operations• methanol or hydro-test solutions• acidic or alkaline solutions (neutralized) with heavy metal concentrations at or below the levels given in Schedule 1• gas scrubber or absorption tower bottom liquids (neutralized) with heavy metal concentrations at or below the levels of Schedule 1• washing waste water (i.e. detergent or soap wastes)• corrosion inhibitor solutions with heavy metal concentrations at or below Schedule 1 levels• oxygen scavenger solutions with heavy metal concentrations at or below Schedule 1 levels <p>A waste fluid that is not specifically listed above is suitable for disposal in a Class Ib well if it meets the following criteria:</p> <ul style="list-style-type: none">• has a pH between 6.0 and 9.0⁽¹⁾;• has a flash point greater than 61 °C ⁽²⁾, unless<ul style="list-style-type: none">i) is an untreatable sand or crude oil/water emulsion⁽³⁾, orii) is an antifreeze or dehydration fluid⁽⁴⁾;• has heavy metal concentrations at or below the levels specified in Schedule 1 ⁽⁵⁾; and• has a total combined concentration of halogenated organic compounds of less than 100 mg/kg⁽⁵⁾. <p>In addition to meeting the above criteria, information on the types and sources of wastes intended for disposal must be disclosed in the application for the disposal scheme. The information must support that the quality of the wastes is appropriate for the intended disposal zone based on well bore design/conditions, containment/isolation within the intended disposal zone, and protection of non-saline water sources. The AER will consider the information on a case-by-case basis while also considering other applicable provincial and federal acts and regulations, as well as information from other jurisdictions on deep-well disposal.</p>
Target Formation:	Cardium
Need for Proposed Development, Existing and Future Plans:	Dragos Energy requires disposal for 3 rd party produced water and oilfield waste within the Gold Creek Kakwa Area, Alberta.

Expected Substance Type:	<input checked="" type="checkbox"/> Oilfield/Industrial Wastes (Class Ia) <input checked="" type="checkbox"/> produced water/specified wastes (Class II) <input type="checkbox"/> All
Construction & Soil Conservation	Operational needs and environmental considerations will guide construction practices. Normal lease and access road construction practices involve separate stripping and storage of the A and B soil horizons. In the treed areas, the lease will be maintained in a manner to allow for eventual tree and bush regrowth. Efforts will be made to maintain topsoil quality, control weeds and minimize the number of trees and land that is disturbed. Upon abandonment, the following drilling of a “dry hole” or after the well has reached economic limit, the lease will be reclaimed in accordance with provincial regulations as dictated by Alberta Environment.
On-Site Equipment Required:	If the well is successful, the site will be equipped with tanks, pump and filter equipment, and constructed for ongoing injection purposes.
Potential Flaring Operations:	During drilling and completion operations, there is no potential for flaring/venting where no further notification is required.
Potential Emissions & Odours:	No significant odor emission during drilling and completion operations is anticipated.
Safety and Scheduling:	The wells will be equipped with standard oilfield safety equipment during each of the recompletion, equipping and ongoing operation phases. We anticipate commencing recompletion operations in Q3-2018 and expect the recompletion to take between 8-12days . If successful, the well will then be equipped with tank storage and fluid injection equipment. We anticipate this to take 30 days .
Anticipated Noise:	The noise associated with the drilling and completion operations will be temporary in nature and we will adhere to the regulations set out in Directive 038 (Noise Control Directive) that defines permissible sound levels for all activities associated with oil and gas operations. Noise generated by production equipment will be controlled and meet all AER regulations.
Traffic Impacts:	All associated traffic will travel along the leased access road. Drivers will be made aware of traffic concerns and we will strive to ensure the speed of all associated traffic is within safe and legal limits. Completion operations will require 3-4 loads of equipment and service vehicle traffic. Traffic during the ongoing operation phase will include multiple tank trucks daily and various service equipment as required.
Emergency Response Plan:	The proposed well is going to be completed in the Cardium which has no potential for H ₂ S. The Cardium zone in the area is a water wet zone with minimal to no hydrocarbons. The Cardium zone is over-pressured but is intended for the purpose of disposal and thus is not expected to produce or flow to surface at any time during operations. The Emergency Planning Radius is 0m from well center, a Site-Specific Emergency Response Plan will be present on location. Dragos Energy will follow its Corporate Emergency Response Plan in the unlikely event of an emergency during the drilling, completion or operation of the proposed well. Dragos Energy stands behind its reputation of drilling, operating and constructing high standard facilities designed to meet or exceed all AER, safety and environmental protection guidelines and regulations.
H₂S Concentration:	<u>00.0 mol/kmol</u> Emergency Planning Radius: 0.000 km Release Rate: <u>0.0000m³/s</u>
Setbacks:	As with all wells, pipelines and facilities, there are setbacks put in place as a minimum distance between an energy facility and a dwelling, public facility, rural housing project or urban center. Simply put, setbacks prevent populated areas from developing too close to energy facilities or energy facilities getting too close to people. No development will be permitted within 100 meters of the well head unless all applicable relaxation consents can be obtained. Contact your local municipality for further details on their specific development setbacks and relaxation policies.
Hydraulic Isolation	Disposal approvals specify the disposal zone and limit injection to that zone only. Migration of disposal fluids to other zones is highly undesirable. Dragos Energy will provide the necessary logs, including pressure testing, and additional information to AER to confirm that there is no flow of injected fluid behind casing or associated aquifers based upon the initial pressure of the zone.

Emergency Planning & Emergency Contact Information:

Dragos Energy has a corporate Emergency Response Plan in place. The emergency contact number for Dragos Energy is **403-269-2459**. A site-specific emergency response plan is not required for this facility as per AER guidelines.

It is Dragos Energy Corporations intention to make application to the Alberta Energy Regulator for the approval of the above project a minimum of **14 calendar days** after the date of this letter.

As part of this information package please find enclosed the following documentation for your review:

- Survey Plan
- Plot Plan
- Radius Map
- Letter from the Chairman of the ERCB
- the ERCB brochure Understanding Oil and Gas Development in Alberta,
- EnerFAQs No. 7: Proposed Oil and Gas Development: A Landowner's Guide,
- the ERCB publication EnerFAQs No. 15: Objecting to an Energy Resource Project and the form Objecting to an Energy Resource Project, and

EnerFAQs

Further to the foregoing information, available online through AER Public Information, please contact the undersigned or these may be downloaded from AER's website at: <http://www.aer.ca/about-aer/enerfaqs>

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- All About Alternative Dispute Resolution (ADR)
- Oil Sands
- Expressing Your Concerns – How to File a Statement of Concern About an Energy Resource Project
- How to Register a Private Surface Agreement

This notice is being provided to you pursuant to AER *Directive 051: Injection and Disposal Wells – Well Classifications, Completions, Logging, and Testing Requirements* and *Directive 065: Resources Applications for Oil and Gas Reservoirs* requirements. Should you require further information or clarification regarding this or any other proposed development by Dragos Energy Corporation please contact the Clint Jenson (COO) directly at **403-519-3497**.

Sincerely,

Dragos Energy Corporation

BY ITS AGENT, CANADA WEST LAND SERVICES LTD.



Melissa Enns



Dragos Energy Corp.
750 – 340 12th Ave SW
Calgary, AB, T2R 1L5
403-269-2459

June 21, 2018

Stakeholder

Via Regular Mail

CANADIAN NATURAL RESOURCES LIMITED

2100, 855-2 Street SW
Calgary, Alberta T2P 4J8

Re: PROPOSED RECOMPLETION AND DISPOSAL WELL INFORMATION LETTER
LANDS: SE25-069-06W6
WELL NAME: PROGRESS GOLDCK7-25-69-6
SURFACE LOCATION: 07-25-069-06W6

Dragos Energy Corporation (“Dragos”) is proposing to make application to Alberta Energy Regulator (“AER”) for approval to recompleate an existing well located at 07-25-069-06W6M for Class II and Ib disposal (as shown on the attached plot plan).

In accordance with AER Directive 051: Injection and Disposal Wells – Well Classifications, Completions, Logging, and Testing Requirements and Directive 065: Resources Applications for Oil and Gas Reservoirs Dragos is providing you with the following public notification and consultation document.

The wells total vertical depth will be approx. 1295.0 m and will be recompleted and operated in accordance with good oilfield practices as well as Alberta Environment and AER regulations. The following table summarizes the AER regulations for this well:

Description	Industry/Public Notification	Disclosure/Notification Radius
Produced Water Disposal (Class Ib)	Industry <ul style="list-style-type: none">• Unit operator (if applicable)• Approval holder of scheme• All well licensees, including those of abandoned wells• All mineral lessees• All mineral lessors	A radius of 1.6 km from the proposed disposal well where the disposal zone is known to be present
	Public <ul style="list-style-type: none">• Landowners and occupants	A radius of 0.5 km

Specific information relative to this project is detailed below:

General Inquiries and Contact Persons:	Company (Drilling) Representative: Steve Laidlaw	Telephone No: (403)-869-9790
	Surface Land: Clint Jensen	Telephone No: (403) 519-3497
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Emergency Contact:	DRAGOS Main Line (24 hours)	Telephone No: (403) 269-2459
Surface Facility / Location:	SE 25-069-06W6	
General Description of Project:	DRAGOS proposes to complete one (1) existing vertical well for Class II and Ib disposal located at 07-25-69-6W6M. The disposal zone target formation (Cardium) does not contain H2S. Once approval has been granted, a service rig will be moved onto the location to complete and equip the well for disposal of water.	
Category / Type:	Category: Class II and Class Ib	

(From AER D51)	<p>Description: Class II</p> <p>Disposal refers to the injection of fluids into underground formations for purposes other than enhanced recovery or gas storage.</p> <p>Fluids included in a Class II disposal scheme may include:</p> <ul style="list-style-type: none">• Produced water associated with the recovery of oil, bitumen, gas, or coalbed methane• Brine from salt cavern or solution mining operations• Water-based pigging fluids from cleaning of collection and injection lines• Brine reject or backwash from water softeners associated with enhanced recovery• Water containing polymers or other chemicals for enhanced recovery• Waste fluids from circulation during well cementing• CaCl₂ water <p>Description: Class Ib</p> <p>List:</p> <ul style="list-style-type: none">• saline fluids as obtained from oilfield waste processing facilities, oilfield tank washing operations, oil spill containment and recovery, or similar operations• boiler blowdown water• liquid fraction of drilling muds, including KC1 muds, but excluding diesel inverts (in accordance with section 2.3)• aqueous liquid fractions of spent sweetening agents – neutralized (Cansweet 200,300, 300SX, 500, SulphaCheck, Sulfa-scrub)• amine filter backwash (eg. MEA, DBA, MDEA)• sulphur block run-off water - neutralized• inorganic salts used in heat exchange medium (eg. sodium/potassium nitrates/nitrites), properly solubilized using an existing aqueous waste stream• waste fluids from drilling operations (i.e. used in or originating from the wellbore)• spent workover or stimulation fluids (after neutralization and/or processing to recover hydrocarbons)• glycol solutions as obtained from dehydration operations• methanol or hydro-test solutions• acidic or alkaline solutions (neutralized) with heavy metal concentrations at or below the levels given in Schedule 1• gas scrubber or absorption tower bottom liquids (neutralized) with heavy metal concentrations at or below the levels of Schedule 1• washing waste water (i.e. detergent or soap wastes)• corrosion inhibitor solutions with heavy metal concentrations at or below Schedule 1 levels• oxygen scavenger solutions with heavy metal concentrations at or below Schedule 1 levels <p>A waste fluid that is not specifically listed above is suitable for disposal in a Class Ib well if it meets the following criteria:</p> <ul style="list-style-type: none">• has a pH between 6.0 and 9.0⁽¹⁾;• has a flash point greater than 61 °C ⁽²⁾, unless<ul style="list-style-type: none">i) is an untreatable sand or crude oil/water emulsion⁽³⁾, orii) is an antifreeze or dehydration fluid⁽⁴⁾;• has heavy metal concentrations at or below the levels specified in Schedule 1 ⁽⁵⁾; and• has a total combined concentration of halogenated organic compounds of less than 100 mg/kg⁽⁵⁾. <p>In addition to meeting the above criteria, information on the types and sources of wastes intended for disposal must be disclosed in the application for the disposal scheme. The information must support that the quality of the wastes is appropriate for the intended disposal zone based on well bore design/conditions, containment/isolation within the intended disposal zone, and protection of non-saline water sources. The AER will consider the information on a case-by-case basis while also considering other applicable provincial and federal acts and regulations, as well as information from other jurisdictions on deep-well disposal.</p>
Target Formation:	Cardium
Need for Proposed Development, Existing and Future Plans:	Dragos Energy requires disposal for 3 rd party produced water and oilfield waste within the Gold Creek Kakwa Area, Alberta.

Expected Substance Type:	<input checked="" type="checkbox"/> Oilfield/Industrial Wastes (Class Ia) <input checked="" type="checkbox"/> produced water/specified wastes (Class II) <input type="checkbox"/> All
Construction & Soil Conservation	Operational needs and environmental considerations will guide construction practices. Normal lease and access road construction practices involve separate stripping and storage of the A and B soil horizons. In the treed areas, the lease will be maintained in a manner to allow for eventual tree and bush regrowth. Efforts will be made to maintain topsoil quality, control weeds and minimize the number of trees and land that is disturbed. Upon abandonment, the following drilling of a “dry hole” or after the well has reached economic limit, the lease will be reclaimed in accordance with provincial regulations as dictated by Alberta Environment.
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Potential Flaring Operations:	During drilling and completion operations, there is no potential for flaring/venting where no further notification is required.
Potential Emissions & Odours:	No significant odor emission during drilling and completion operations is anticipated.
Safety and Scheduling:	The wells will be equipped with standard oilfield safety equipment during each of the recompletion, equipping and ongoing operation phases. We anticipate commencing recompletion operations in Q3-2018 and expect the recompletion to take between 8-12days . If successful, the well will then be equipped with tank storage and fluid injection equipment. We anticipate this to take 30 days .
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BY ITS AGENT, CANADA WEST LAND SERVICES LTD.



Melissa Enns



Dragos Energy Corp.
750 – 340 12th Ave SW
Calgary, AB, T2R 1L5
403-269-2459

July 3, 2018

Disposition Holder: **CNT910256**

Via Regular Mail

EDMONTON OFFICE - OPERATIONS DIVISION, DEPT OF ESRD

402-4999 Twin Atria Building 98th Ave
Edmonton, Alberta T6B 2X3

Re: PROPOSED RECOMPLETION AND DISPOSAL WELL INFORMATION LETTER
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WELL NAME: PROGRESS GOLDCK7-25-69-6
SURFACE LOCATION: 07-25-069-06W6

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Anticipated Noise:	The noise associated with the drilling and completion operations will be temporary in nature and we will adhere to the regulations set out in Directive 038 (Noise Control Directive) that defines permissible sound levels for all activities associated with oil and gas operations. Noise generated by production equipment will be controlled and meet all AER regulations.
Traffic Impacts:	All associated traffic will travel along the leased access road. Drivers will be made aware of traffic concerns and we will strive to ensure the speed of all associated traffic is within safe and legal limits. Completion operations will require 3-4 loads of equipment and service vehicle traffic. Traffic during the ongoing operation phase will include multiple tank trucks daily and various service equipment as required.
Emergency Response Plan:	The proposed well is going to be completed in the Cardium which has no potential for H ₂ S. The Cardium zone in the area is a water wet zone with minimal to no hydrocarbons. The Cardium zone is over-pressured but is intended for the purpose of disposal and thus is not expected to produce or flow to surface at any time during operations. The Emergency Planning Radius is 0m from well center, a Site-Specific Emergency Response Plan will be present on location. Dragos Energy will follow its Corporate Emergency Response Plan in the unlikely event of an emergency during the drilling, completion or operation of the proposed well. Dragos Energy stands behind its reputation of drilling, operating and constructing high standard facilities designed to meet or exceed all AER, safety and environmental protection guidelines and regulations.
H₂S Concentration:	<u>00.0 mol/kmol</u> Emergency Planning Radius: <u>0.000 km</u> Release Rate: <u>0.0000m³/s</u>
Setbacks:	As with all wells, pipelines and facilities, there are setbacks put in place as a minimum distance between an energy facility and a dwelling, public facility, rural housing project or urban center. Simply put, setbacks prevent populated areas from developing too close to energy facilities or energy facilities getting too close to people. No development will be permitted within 100 meters of the well head unless all applicable relaxation consents can be obtained. Contact your local municipality for further details on their specific development setbacks and relaxation policies.
Hydraulic Isolation	Disposal approvals specify the disposal zone and limit injection to that zone only. Migration of disposal fluids to other zones is highly undesirable. Dragos Energy will provide the necessary logs, including pressure testing, and additional information to AER to confirm that there is no flow of injected fluid behind casing or associated aquifers based upon the initial pressure of the zone.

Emergency Planning & Emergency Contact Information:

Dragos Energy has a corporate Emergency Response Plan in place. The emergency contact number for Dragos Energy is **403-269-2459**. A site-specific emergency response plan is not required for this facility as per AER guidelines.

It is Dragos Energy Corporations intention to make application to the Alberta Energy Regulator for the approval of the above project a minimum of **14 calendar days** after the date of this letter.

As part of this information package please find enclosed the following documentation for your review:

- Survey Plan
- Plot Plan
- Radius Map
- Letter from the Chairman of the ERCB
- the ERCB brochure Understanding Oil and Gas Development in Alberta,
- EnerFAQs No. 7: Proposed Oil and Gas Development: A Landowner's Guide,
- the ERCB publication EnerFAQs No. 15: Objecting to an Energy Resource Project and the form Objecting to an Energy Resource Project, and

EnerFAQs

Further to the foregoing information, available online through AER Public Information, please contact the undersigned or these may be downloaded from AER's website at: <http://www.aer.ca/about-aer/enerfaqs>

- What is the AER?
- Having Your Say at an AER Hearing
- Inspections and Enforcement of Energy Developments in Alberta
- All About Critical Sour Wells
- Explaining AER Setbacks
- Flaring and Incineration
- Proposed Oil and Gas Wells, Pipelines, and Facilities: A Landowner's Guide
- The AER and You: Agreements, Commitments, and Conditions
- All About Alternative Dispute Resolution (ADR)
- Oil Sands
- Expressing Your Concerns – How to File a Statement of Concern About an Energy Resource Project
- How to Register a Private Surface Agreement

This notice is being provided to you pursuant to AER *Directive 051: Injection and Disposal Wells – Well Classifications, Completions, Logging, and Testing Requirements* and *Directive 065: Resources Applications for Oil and Gas Reservoirs* requirements. Should you require further information or clarification regarding this or any other proposed development by Dragos Energy Corporation please contact the Clint Jenson (COO) directly at **403-519-3497**.

Sincerely,

Dragos Energy Corporation

BY ITS AGENT, CANADA WEST LAND SERVICES LTD.



Melissa Enns



Dragos Energy Corp.
750 – 340 12th Ave SW
Calgary, AB, T2R 1L5
403-269-2459

June 21, 2018

Disposition Holder: **CNT090024**

Via Regular Mail

GRANDE PRAIRIE OFFICE - FORESTRY SUSTAINABLE DEV

10925 84 Ave
Grande Prairie, Alberta T8V 3J2

Re: PROPOSED RECOMPLETION AND DISPOSAL WELL INFORMATION LETTER
LANDS: SE25-069-06W6
WELL NAME: PROGRESS GOLDCK7-25-69-6
SURFACE LOCATION: 07-25-069-06W6

Dragos Energy Corporation (“Dragos”) is proposing to make application to Alberta Energy Regulator (“AER”) for approval to recomplete an existing well located at 07-25-069-06W6M for Class II and Ib disposal (as shown on the attached plot plan).

In accordance with AER *Directive 051: Injection and Disposal Wells – Well Classifications, Completions, Logging, and Testing Requirements* and *Directive 065: Resources Applications for Oil and Gas Reservoirs* Dragos is providing you with the following public notification and consultation document.

The wells total vertical depth will be approx. **1295.0 m** and will be recompleted and operated in accordance with good oilfield practices as well as Alberta Environment and AER regulations. The following table summarizes the AER regulations for this well:

Description	Industry/Public Notification	Disclosure/Notification Radius
Produced Water Disposal (Class Ib)	Industry <ul style="list-style-type: none">• Unit operator (if applicable)• Approval holder of scheme• All well licensees, including those of abandoned wells• All mineral lessees• All mineral lessors Public <ul style="list-style-type: none">• Landowners and occupants	A radius of 1.6 km from the proposed disposal well where the disposal zone is known to be present A radius of 0.5 km

Specific information relative to this project is detailed below:

General Inquiries and Contact Persons:	Company (Drilling) Representative: Steve Laidlaw	Telephone No: (403)-869-9790
	Surface Land: Clint Jensen	Telephone No: (403) 519-3497
	Field Operations: Clint Jensen	Telephone No: (403) 519-3497
	Field/Construction Representative Clint Jensen	Telephone No: (403) 519-3497
Emergency Contact:	DRAGOS Main Line (24 hours)	Telephone No: (403) 269-2459
Surface Facility / Location:	SE 25-069-06W6	
General Description of Project:	DRAGOS proposes to complete one (1) existing vertical well for Class II and Ib disposal located at 07-25-069-06W6M. The disposal zone target formation (Cardium) does not contain H ₂ S. Once approval has been granted, a service rig will be moved onto the location to complete and equip the well for disposal of water.	
Category / Type:	Category: Class II and Class Ib	

(From AER D51)	<p>Description: Class II</p> <p>Disposal refers to the injection of fluids into underground formations for purposes other than enhanced recovery or gas storage.</p> <p>Fluids included in a Class II disposal scheme may include:</p> <ul style="list-style-type: none">• Produced water associated with the recovery of oil, bitumen, gas, or coalbed methane• Brine from salt cavern or solution mining operations• Water-based pigging fluids from cleaning of collection and injection lines• Brine reject or backwash from water softeners associated with enhanced recovery• Water containing polymers or other chemicals for enhanced recovery• Waste fluids from circulation during well cementing• CaCl₂ water <p>Description: Class Ib</p> <p>List:</p> <ul style="list-style-type: none">• saline fluids as obtained from oilfield waste processing facilities, oilfield tank washing operations, oil spill containment and recovery, or similar operations• boiler blowdown water• liquid fraction of drilling muds, including KC1 muds, but excluding diesel inverts (in accordance with section 2.3)• aqueous liquid fractions of spent sweetening agents – neutralized (Cansweet 200,300, 300SX, 500, SulphaCheck, Sulfa-scrub)• amine filter backwash (eg. MEA, DBA, MDEA)• sulphur block run-off water - neutralized• inorganic salts used in heat exchange medium (eg. sodium/potassium nitrates/nitrites), properly solubilized using an existing aqueous waste stream• waste fluids from drilling operations (i.e. used in or originating from the wellbore)• spent workover or stimulation fluids (after neutralization and/or processing to recover hydrocarbons)• glycol solutions as obtained from dehydration operations• methanol or hydro-test solutions• acidic or alkaline solutions (neutralized) with heavy metal concentrations at or below the levels given in Schedule 1• gas scrubber or absorption tower bottom liquids (neutralized) with heavy metal concentrations at or below the levels of Schedule 1• washing waste water (i.e. detergent or soap wastes)• corrosion inhibitor solutions with heavy metal concentrations at or below Schedule 1 levels• oxygen scavenger solutions with heavy metal concentrations at or below Schedule 1 levels <p>A waste fluid that is not specifically listed above is suitable for disposal in a Class Ib well if it meets the following criteria:</p> <ul style="list-style-type: none">• has a pH between 6.0 and 9.0⁽¹⁾;• has a flash point greater than 61 °C ⁽²⁾, unless<ul style="list-style-type: none">i) is an untreatable sand or crude oil/water emulsion⁽³⁾, orii) is an antifreeze or dehydration fluid⁽⁴⁾;• has heavy metal concentrations at or below the levels specified in Schedule 1 ⁽⁵⁾; and• has a total combined concentration of halogenated organic compounds of less than 100 mg/kg⁽⁵⁾. <p>In addition to meeting the above criteria, information on the types and sources of wastes intended for disposal must be disclosed in the application for the disposal scheme. The information must support that the quality of the wastes is appropriate for the intended disposal zone based on well bore design/conditions, containment/isolation within the intended disposal zone, and protection of non-saline water sources. The AER will consider the information on a case-by-case basis while also considering other applicable provincial and federal acts and regulations, as well as information from other jurisdictions on deep-well disposal.</p>
Target Formation:	Cardium
Need for Proposed Development, Existing and Future Plans:	Dragos Energy requires disposal for 3 rd party produced water and oilfield waste within the Gold Creek Kakwa Area, Alberta.

Expected Substance Type:	<input checked="" type="checkbox"/> Oilfield/Industrial Wastes (Class Ia) <input checked="" type="checkbox"/> produced water/specified wastes (Class II) <input type="checkbox"/> All
Construction & Soil Conservation	Operational needs and environmental considerations will guide construction practices. Normal lease and access road construction practices involve separate stripping and storage of the A and B soil horizons. In the treed areas, the lease will be maintained in a manner to allow for eventual tree and bush regrowth. Efforts will be made to maintain topsoil quality, control weeds and minimize the number of trees and land that is disturbed. Upon abandonment, the following drilling of a “dry hole” or after the well has reached economic limit, the lease will be reclaimed in accordance with provincial regulations as dictated by Alberta Environment.
On-Site Equipment Required:	If the well is successful, the site will be equipped with tanks, pump and filter equipment, and constructed for ongoing injection purposes.
Potential Flaring Operations:	During drilling and completion operations, there is no potential for flaring/venting where no further notification is required.
Potential Emissions & Odours:	No significant odor emission during drilling and completion operations is anticipated.
Safety and Scheduling:	The wells will be equipped with standard oilfield safety equipment during each of the recompletion, equipping and ongoing operation phases. We anticipate commencing recompletion operations in Q3-2018 and expect the recompletion to take between 8-12days . If successful, the well will then be equipped with tank storage and fluid injection equipment. We anticipate this to take 30 days .
Anticipated Noise:	The noise associated with the drilling and completion operations will be temporary in nature and we will adhere to the regulations set out in Directive 038 (Noise Control Directive) that defines permissible sound levels for all activities associated with oil and gas operations. Noise generated by production equipment will be controlled and meet all AER regulations.
Traffic Impacts:	All associated traffic will travel along the leased access road. Drivers will be made aware of traffic concerns and we will strive to ensure the speed of all associated traffic is within safe and legal limits. Completion operations will require 3-4 loads of equipment and service vehicle traffic. Traffic during the ongoing operation phase will include multiple tank trucks daily and various service equipment as required.
Emergency Response Plan:	The proposed well is going to be completed in the Cardium which has no potential for H ₂ S. The Cardium zone in the area is a water wet zone with minimal to no hydrocarbons. The Cardium zone is over-pressured but is intended for the purpose of disposal and thus is not expected to produce or flow to surface at any time during operations. The Emergency Planning Radius is 0m from well center, a Site-Specific Emergency Response Plan will be present on location. Dragos Energy will follow its Corporate Emergency Response Plan in the unlikely event of an emergency during the drilling, completion or operation of the proposed well. Dragos Energy stands behind its reputation of drilling, operating and constructing high standard facilities designed to meet or exceed all AER, safety and environmental protection guidelines and regulations.
H₂S Concentration:	<u>00.0 mol/kmol</u> Emergency Planning Radius: 0.000 km Release Rate: <u>0.0000m³/s</u>
Setbacks:	As with all wells, pipelines and facilities, there are setbacks put in place as a minimum distance between an energy facility and a dwelling, public facility, rural housing project or urban center. Simply put, setbacks prevent populated areas from developing too close to energy facilities or energy facilities getting too close to people. No development will be permitted within 100 meters of the well head unless all applicable relaxation consents can be obtained. Contact your local municipality for further details on their specific development setbacks and relaxation policies.
Hydraulic Isolation	Disposal approvals specify the disposal zone and limit injection to that zone only. Migration of disposal fluids to other zones is highly undesirable. Dragos Energy will provide the necessary logs, including pressure testing, and additional information to AER to confirm that there is no flow of injected fluid behind casing or associated aquifers based upon the initial pressure of the zone.

Emergency Planning & Emergency Contact Information:

Dragos Energy has a corporate Emergency Response Plan in place. The emergency contact number for Dragos Energy is **403-269-2459**. A site-specific emergency response plan is not required for this facility as per AER guidelines.

It is Dragos Energy Corporations intention to make application to the Alberta Energy Regulator for the approval of the above project a minimum of **14 calendar days** after the date of this letter.

As part of this information package please find enclosed the following documentation for your review:

- Survey Plan
- Plot Plan
- Radius Map
- Letter from the Chairman of the ERCB
- the ERCB brochure Understanding Oil and Gas Development in Alberta,
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- the ERCB publication EnerFAQs No. 15: Objecting to an Energy Resource Project and the form Objecting to an Energy Resource Project, and

EnerFAQs

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- All About Alternative Dispute Resolution (ADR)
- Oil Sands
- Expressing Your Concerns – How to File a Statement of Concern About an Energy Resource Project
- How to Register a Private Surface Agreement

This notice is being provided to you pursuant to AER *Directive 051: Injection and Disposal Wells – Well Classifications, Completions, Logging, and Testing Requirements* and *Directive 065: Resources Applications for Oil and Gas Reservoirs* requirements. Should you require further information or clarification regarding this or any other proposed development by Dragos Energy Corporation please contact the Clint Jenson (COO) directly at **403-519-3497**.

Sincerely,

Dragos Energy Corporation

BY ITS AGENT, CANADA WEST LAND SERVICES LTD.



Melissa Enns



Dragos Energy Corp.
750 – 340 12th Ave SW
Calgary, AB, T2R 1L5
403-269-2459

June 21, 2018

Disposition Holder: **CNT090042 and CNT020031**

Via Regular Mail

GRANDE PRAIRIE OFFICE - LAND USE AREA
LANDS DIVISION DEPT. OF SUSTAINABLE RESOURCE DEV
10320 99 Street
Grande Prairie, Alberta T8V 6J4

Re: PROPOSED RECOMPLETION AND DISPOSAL WELL INFORMATION LETTER
LANDS: SE25-069-06W6
WELL NAME: PROGRESS GOLDCK7-25-69-6
SURFACE LOCATION: 07-25-069-06W6

Dragos Energy Corporation (“Dragos”) is proposing to make application to Alberta Energy Regulator (“AER”) for approval to recompleate an existing well located at 07-25-069-06W6M for Class II and Ib disposal (as shown on the attached plot plan).

In accordance with AER *Directive 051: Injection and Disposal Wells – Well Classifications, Completions, Logging, and Testing Requirements* and *Directive 065: Resources Applications for Oil and Gas Reservoirs* Dragos is providing you with the following public notification and consultation document.

The wells total vertical depth will be approx. **1295.0 m** and will be recompleted and operated in accordance with good oilfield practices as well as Alberta Environment and AER regulations. The following table summarizes the AER regulations for this well:

Description	Industry/Public Notification	Disclosure/Notification Radius
Produced Water Disposal (Class Ib)	Industry <ul style="list-style-type: none">• Unit operator (if applicable)• Approval holder of scheme• All well licensees, including those of abandoned wells• All mineral lessees• All mineral lessors	A radius of 1.6 km from the proposed disposal well where the disposal zone is known to be present
	Public <ul style="list-style-type: none">• Landowners and occupants	A radius of 0.5 km

Specific information relative to this project is detailed below:

General Inquiries and Contact Persons:	Company (Drilling) Representative: Steve Laidlaw	Telephone No: (403)-869-9790
	Surface Land: Clint Jensen	Telephone No: (403) 519-3497
	Field Operations: Clint Jensen	Telephone No: (403) 519-3497
	Field/Construction Representative Clint Jensen	Telephone No: (403) 519-3497
Emergency Contact:	DRAGOS Main Line (24 hours)	Telephone No: (403) 269-2459
Surface Facility / Location:	SE 25-069-06W6	
General Description of Project:	DRAGOS proposes tor complete one (1) existing vertical well for Class II and Ib disposal located at7-25-69-6W6M.The disposal zone target formation (Cardium) does not contain H2S. Once approval has been granted, a service rig will be moved onto the location to complete and equip the well for disposal of water.	
Category / Type:	Category: Class II and Class Ib	

(From AER D51)	<p>Description: Class II</p> <p>Disposal refers to the injection of fluids into underground formations for purposes other than enhanced recovery or gas storage.</p> <p>Fluids included in a Class II disposal scheme may include:</p> <ul style="list-style-type: none">• Produced water associated with the recovery of oil, bitumen, gas, or coalbed methane• Brine from salt cavern or solution mining operations• Water-based pigging fluids from cleaning of collection and injection lines• Brine reject or backwash from water softeners associated with enhanced recovery• Water containing polymers or other chemicals for enhanced recovery• Waste fluids from circulation during well cementing• CaCl₂ water <p>Description: Class Ib</p> <p>List:</p> <ul style="list-style-type: none">• saline fluids as obtained from oilfield waste processing facilities, oilfield tank washing operations, oil spill containment and recovery, or similar operations• boiler blowdown water• liquid fraction of drilling muds, including KC1 muds, but excluding diesel inverts (in accordance with section 2.3)• aqueous liquid fractions of spent sweetening agents – neutralized (Cansweet 200,300, 300SX, 500, SulphaCheck, Sulfa-scrub)• amine filter backwash (eg. MEA, DBA, MDEA)• sulphur block run-off water - neutralized• inorganic salts used in heat exchange medium (eg. sodium/potassium nitrates/nitrites), properly solubilized using an existing aqueous waste stream• waste fluids from drilling operations (i.e. used in or originating from the wellbore)• spent workover or stimulation fluids (after neutralization and/or processing to recover hydrocarbons)• glycol solutions as obtained from dehydration operations• methanol or hydro-test solutions• acidic or alkaline solutions (neutralized) with heavy metal concentrations at or below the levels given in Schedule 1• gas scrubber or absorption tower bottom liquids (neutralized) with heavy metal concentrations at or below the levels of Schedule 1• washing waste water (i.e. detergent or soap wastes)• corrosion inhibitor solutions with heavy metal concentrations at or below Schedule 1 levels• oxygen scavenger solutions with heavy metal concentrations at or below Schedule 1 levels <p>A waste fluid that is not specifically listed above is suitable for disposal in a Class Ib well if it meets the following criteria:</p> <ul style="list-style-type: none">• has a pH between 6.0 and 9.0⁽¹⁾;• has a flash point greater than 61 °C ⁽²⁾, unless<ul style="list-style-type: none">i) is an untreatable sand or crude oil/water emulsion⁽³⁾, orii) is an antifreeze or dehydration fluid⁽⁴⁾;• has heavy metal concentrations at or below the levels specified in Schedule 1 ⁽⁵⁾; and• has a total combined concentration of halogenated organic compounds of less than 100 mg/kg⁽⁵⁾. <p>In addition to meeting the above criteria, information on the types and sources of wastes intended for disposal must be disclosed in the application for the disposal scheme. The information must support that the quality of the wastes is appropriate for the intended disposal zone based on well bore design/conditions, containment/isolation within the intended disposal zone, and protection of non-saline water sources. The AER will consider the information on a case-by-case basis while also considering other applicable provincial and federal acts and regulations, as well as information from other jurisdictions on deep-well disposal.</p>
Target Formation:	Cardium
Need for Proposed Development, Existing and Future Plans:	Dragos Energy requires disposal for 3 rd party produced water and oilfield waste within the Gold Creek Kakwa Area, Alberta.

Expected Substance Type:	<input checked="" type="checkbox"/> Oilfield/Industrial Wastes (Class Ia) <input checked="" type="checkbox"/> produced water/specified wastes (Class II) <input type="checkbox"/> All
Construction & Soil Conservation	Operational needs and environmental considerations will guide construction practices. Normal lease and access road construction practices involve separate stripping and storage of the A and B soil horizons. In the treed areas, the lease will be maintained in a manner to allow for eventual tree and bush regrowth. Efforts will be made to maintain topsoil quality, control weeds and minimize the number of trees and land that is disturbed. Upon abandonment, the following drilling of a “dry hole” or after the well has reached economic limit, the lease will be reclaimed in accordance with provincial regulations as dictated by Alberta Environment.
On-Site Equipment Required:	If the well is successful, the site will be equipped with tanks, pump and filter equipment, and constructed for ongoing injection purposes.
Potential Flaring Operations:	During drilling and completion operations, there is no potential for flaring/venting where no further notification is required.
Potential Emissions & Odours:	No significant odor emission during drilling and completion operations is anticipated.
Safety and Scheduling:	The wells will be equipped with standard oilfield safety equipment during each of the recompletion, equipping and ongoing operation phases. We anticipate commencing recompletion operations in Q3-2018 and expect the recompletion to take between 8-12days . If successful, the well will then be equipped with tank storage and fluid injection equipment. We anticipate this to take 30 days .
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Traffic Impacts:	All associated traffic will travel along the leased access road. Drivers will be made aware of traffic concerns and we will strive to ensure the speed of all associated traffic is within safe and legal limits. Completion operations will require 3-4 loads of equipment and service vehicle traffic. Traffic during the ongoing operation phase will include multiple tank trucks daily and various service equipment as required.
Emergency Response Plan:	The proposed well is going to be completed in the Cardium which has no potential for H ₂ S. The Cardium zone in the area is a water wet zone with minimal to no hydrocarbons. The Cardium zone is over-pressured but is intended for the purpose of disposal and thus is not expected to produce or flow to surface at any time during operations. The Emergency Planning Radius is 0m from well center, a Site-Specific Emergency Response Plan will be present on location. Dragos Energy will follow its Corporate Emergency Response Plan in the unlikely event of an emergency during the drilling, completion or operation of the proposed well. Dragos Energy stands behind its reputation of drilling, operating and constructing high standard facilities designed to meet or exceed all AER, safety and environmental protection guidelines and regulations.
H₂S Concentration:	<u>00.0 mol/kmol</u> Emergency Planning Radius: 0.000 km Release Rate: <u>0.0000m³/s</u>
Setbacks:	As with all wells, pipelines and facilities, there are setbacks put in place as a minimum distance between an energy facility and a dwelling, public facility, rural housing project or urban center. Simply put, setbacks prevent populated areas from developing too close to energy facilities or energy facilities getting too close to people. No development will be permitted within 100 meters of the well head unless all applicable relaxation consents can be obtained. Contact your local municipality for further details on their specific development setbacks and relaxation policies.
Hydraulic Isolation	Disposal approvals specify the disposal zone and limit injection to that zone only. Migration of disposal fluids to other zones is highly undesirable. Dragos Energy will provide the necessary logs, including pressure testing, and additional information to AER to confirm that there is no flow of injected fluid behind casing or associated aquifers based upon the initial pressure of the zone.

Emergency Planning & Emergency Contact Information:

Dragos Energy has a corporate Emergency Response Plan in place. The emergency contact number for Dragos Energy is **403-269-2459**. A site-specific emergency response plan is not required for this facility as per AER guidelines.

It is Dragos Energy Corporations intention to make application to the Alberta Energy Regulator for the approval of the above project a minimum of **14 calendar days** after the date of this letter.

As part of this information package please find enclosed the following documentation for your review:

- Survey Plan
- Plot Plan
- Radius Map
- Letter from the Chairman of the ERCB
- the ERCB brochure Understanding Oil and Gas Development in Alberta,
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- the ERCB publication EnerFAQs No. 15: Objecting to an Energy Resource Project and the form Objecting to an Energy Resource Project, and

EnerFAQs

Further to the foregoing information, available online through AER Public Information, please contact the undersigned or these may be downloaded from AER's website at: <http://www.aer.ca/about-aer/enerfaqs>

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- How to Register a Private Surface Agreement

This notice is being provided to you pursuant to AER *Directive 051: Injection and Disposal Wells – Well Classifications, Completions, Logging, and Testing Requirements* and *Directive 065: Resources Applications for Oil and Gas Reservoirs* requirements. Should you require further information or clarification regarding this or any other proposed development by Dragos Energy Corporation please contact the Clint Jenson (COO) directly at **403-519-3497**.

Sincerely,

Dragos Energy Corporation

BY ITS AGENT, CANADA WEST LAND SERVICES LTD.



Melissa Enns



Dragos Energy Corp.
750 – 340 12th Ave SW
Calgary, AB, T2R 1L5
403-269-2459

July 3, 2018

Stakeholder

Via Regular Mail

CRAFT OIL INC. C/O MANITOK
Suite 700, 444 7th Ave SW
Calgary, AB T2P 0X8

Re: PROPOSED RECOMPLETION AND DISPOSAL WELL INFORMATION LETTER
LANDS: SE25-069-06W6
WELL NAME: PROGRESS GOLDCK7-25-69-6
SURFACE LOCATION: 07-25-069-06W6

Dragos Energy Corporation (“Dragos”) is proposing to make application to Alberta Energy Regulator (“AER”) for approval to recomplete an existing well located at 07-25-069-06W6M for Class II and Ib disposal (as shown on the attached plot plan).

In accordance with AER *Directive 051: Injection and Disposal Wells – Well Classifications, Completions, Logging, and Testing Requirements* and *Directive 065: Resources Applications for Oil and Gas Reservoirs* Dragos is providing you with the following public notification and consultation document.

The wells total vertical depth will be approx. **1295.0 m** and will be recompleted and operated in accordance with good oilfield practices as well as Alberta Environment and AER regulations. The following table summarizes the AER regulations for this well:

Description	Industry/Public Notification	Disclosure/Notification Radius
Produced Water Disposal (Class Ib)	Industry <ul style="list-style-type: none">• Unit operator (if applicable)• Approval holder of scheme• All well licensees, including those of abandoned wells• All mineral lessees• All mineral lessors	A radius of 1.6 km from the proposed disposal well where the disposal zone is known to be present
	Public <ul style="list-style-type: none">• Landowners and occupants	A radius of 0.5 km

Specific information relative to this project is detailed below:

General Inquiries and Contact Persons:	Company (Drilling) Representative: Steve Laidlaw	Telephone No: (403)-869-9790
	Surface Land: Clint Jensen	Telephone No: (403) 519-3497
	Field Operations: Clint Jensen	Telephone No: (403) 519-3497
	Field/Construction Representative Clint Jensen	Telephone No: (403) 519-3497
Emergency Contact:	DRAGOS Main Line (24 hours)	Telephone No: (403) 269-2459
Surface Facility / Location:	SE 25-069-06W6	
General Description of Project:	DRAGOS proposes to complete one (1) existing vertical well for Class II and Ib disposal located at 07-25-069-06W6M. The disposal zone target formation (Cardium) does not contain H ₂ S. Once approval has been granted, a service rig will be moved onto the location to complete and equip the well for disposal of water.	
Category / Type:	Category: Class II and Class Ib	

(From AER D51)	<p>Description: Class II</p> <p>Disposal refers to the injection of fluids into underground formations for purposes other than enhanced recovery or gas storage.</p> <p>Fluids included in a Class II disposal scheme may include:</p> <ul style="list-style-type: none">• Produced water associated with the recovery of oil, bitumen, gas, or coalbed methane• Brine from salt cavern or solution mining operations• Water-based pigging fluids from cleaning of collection and injection lines• Brine reject or backwash from water softeners associated with enhanced recovery• Water containing polymers or other chemicals for enhanced recovery• Waste fluids from circulation during well cementing• CaCl₂ water <p>Description: Class Ib</p> <p>List:</p> <ul style="list-style-type: none">• saline fluids as obtained from oilfield waste processing facilities, oilfield tank washing operations, oil spill containment and recovery, or similar operations• boiler blowdown water• liquid fraction of drilling muds, including KC1 muds, but excluding diesel inverts (in accordance with section 2.3)• aqueous liquid fractions of spent sweetening agents – neutralized (Cansweet 200,300, 300SX, 500, SulphaCheck, Sulfa-scrub)• amine filter backwash (eg. MEA, DBA, MDEA)• sulphur block run-off water - neutralized• inorganic salts used in heat exchange medium (eg. sodium/potassium nitrates/nitrites), properly solubilized using an existing aqueous waste stream• waste fluids from drilling operations (i.e. used in or originating from the wellbore)• spent workover or stimulation fluids (after neutralization and/or processing to recover hydrocarbons)• glycol solutions as obtained from dehydration operations• methanol or hydro-test solutions• acidic or alkaline solutions (neutralized) with heavy metal concentrations at or below the levels given in Schedule 1• gas scrubber or absorption tower bottom liquids (neutralized) with heavy metal concentrations at or below the levels of Schedule 1• washing waste water (i.e. detergent or soap wastes)• corrosion inhibitor solutions with heavy metal concentrations at or below Schedule 1 levels• oxygen scavenger solutions with heavy metal concentrations at or below Schedule 1 levels <p>A waste fluid that is not specifically listed above is suitable for disposal in a Class Ib well if it meets the following criteria:</p> <ul style="list-style-type: none">• has a pH between 6.0 and 9.0⁽¹⁾;• has a flash point greater than 61 °C ⁽²⁾, unless<ul style="list-style-type: none">i) is an untreatable sand or crude oil/water emulsion⁽³⁾, orii) is an antifreeze or dehydration fluid⁽⁴⁾;• has heavy metal concentrations at or below the levels specified in Schedule 1 ⁽⁵⁾; and• has a total combined concentration of halogenated organic compounds of less than 100 mg/kg⁽⁵⁾. <p>In addition to meeting the above criteria, information on the types and sources of wastes intended for disposal must be disclosed in the application for the disposal scheme. The information must support that the quality of the wastes is appropriate for the intended disposal zone based on well bore design/conditions, containment/isolation within the intended disposal zone, and protection of non-saline water sources. The AER will consider the information on a case-by-case basis while also considering other applicable provincial and federal acts and regulations, as well as information from other jurisdictions on deep-well disposal.</p>
Target Formation:	Cardium
Need for Proposed Development, Existing and Future Plans:	Dragos Energy requires disposal for 3 rd party produced water and oilfield waste within the Gold Creek Kakwa Area, Alberta.

Expected Substance Type:	<input checked="" type="checkbox"/> Oilfield/Industrial Wastes (Class Ia) <input checked="" type="checkbox"/> produced water/specified wastes (Class II) <input type="checkbox"/> All
Construction & Soil Conservation	Operational needs and environmental considerations will guide construction practices. Normal lease and access road construction practices involve separate stripping and storage of the A and B soil horizons. In the treed areas, the lease will be maintained in a manner to allow for eventual tree and bush regrowth. Efforts will be made to maintain topsoil quality, control weeds and minimize the number of trees and land that is disturbed. Upon abandonment, the following drilling of a “dry hole” or after the well has reached economic limit, the lease will be reclaimed in accordance with provincial regulations as dictated by Alberta Environment.
On-Site Equipment Required:	If the well is successful, the site will be equipped with tanks, pump and filter equipment, and constructed for ongoing injection purposes.
Potential Flaring Operations:	During drilling and completion operations, there is no potential for flaring/venting where no further notification is required.
Potential Emissions & Odours:	No significant odor emission during drilling and completion operations is anticipated.
Safety and Scheduling:	The wells will be equipped with standard oilfield safety equipment during each of the recompletion, equipping and ongoing operation phases. We anticipate commencing recompletion operations in Q3-2018 and expect the recompletion to take between 8-12days . If successful, the well will then be equipped with tank storage and fluid injection equipment. We anticipate this to take 30 days .
Anticipated Noise:	The noise associated with the drilling and completion operations will be temporary in nature and we will adhere to the regulations set out in Directive 038 (Noise Control Directive) that defines permissible sound levels for all activities associated with oil and gas operations. Noise generated by production equipment will be controlled and meet all AER regulations.
Traffic Impacts:	All associated traffic will travel along the leased access road. Drivers will be made aware of traffic concerns and we will strive to ensure the speed of all associated traffic is within safe and legal limits. Completion operations will require 3-4 loads of equipment and service vehicle traffic. Traffic during the ongoing operation phase will include multiple tank trucks daily and various service equipment as required.
Emergency Response Plan:	The proposed well is going to be completed in the Cardium which has no potential for H ₂ S. The Cardium zone in the area is a water wet zone with minimal to no hydrocarbons. The Cardium zone is over-pressured but is intended for the purpose of disposal and thus is not expected to produce or flow to surface at any time during operations. The Emergency Planning Radius is 0m from well center, a Site-Specific Emergency Response Plan will be present on location. Dragos Energy will follow its Corporate Emergency Response Plan in the unlikely event of an emergency during the drilling, completion or operation of the proposed well. Dragos Energy stands behind its reputation of drilling, operating and constructing high standard facilities designed to meet or exceed all AER, safety and environmental protection guidelines and regulations.
H₂S Concentration:	<u>00.0 mol/kmol</u> Emergency Planning Radius: 0.000 km Release Rate: <u>0.0000m³/s</u>
Setbacks:	As with all wells, pipelines and facilities, there are setbacks put in place as a minimum distance between an energy facility and a dwelling, public facility, rural housing project or urban center. Simply put, setbacks prevent populated areas from developing too close to energy facilities or energy facilities getting too close to people. No development will be permitted within 100 meters of the well head unless all applicable relaxation consents can be obtained. Contact your local municipality for further details on their specific development setbacks and relaxation policies.
Hydraulic Isolation	Disposal approvals specify the disposal zone and limit injection to that zone only. Migration of disposal fluids to other zones is highly undesirable. Dragos Energy will provide the necessary logs, including pressure testing, and additional information to AER to confirm that there is no flow of injected fluid behind casing or associated aquifers based upon the initial pressure of the zone.

Emergency Planning & Emergency Contact Information:

Dragos Energy has a corporate Emergency Response Plan in place. The emergency contact number for Dragos Energy is **403-269-2459**. A site-specific emergency response plan is not required for this facility as per AER guidelines.

It is Dragos Energy Corporations intention to make application to the Alberta Energy Regulator for the approval of the above project a minimum of **14 calendar days** after the date of this letter.

As part of this information package please find enclosed the following documentation for your review:

- Survey Plan
- Plot Plan
- Radius Map
- Letter from the Chairman of the ERCB
- the ERCB brochure Understanding Oil and Gas Development in Alberta,
- EnerFAQs No. 7: Proposed Oil and Gas Development: A Landowner's Guide,
- the ERCB publication EnerFAQs No. 15: Objecting to an Energy Resource Project and the form Objecting to an Energy Resource Project, and

EnerFAQs

Further to the foregoing information, available online through AER Public Information, please contact the undersigned or these may be downloaded from AER's website at: <http://www.aer.ca/about-aer/enerfaqs>

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- All About Alternative Dispute Resolution (ADR)
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- Expressing Your Concerns – How to File a Statement of Concern About an Energy Resource Project
- How to Register a Private Surface Agreement

This notice is being provided to you pursuant to AER *Directive 051: Injection and Disposal Wells – Well Classifications, Completions, Logging, and Testing Requirements* and *Directive 065: Resources Applications for Oil and Gas Reservoirs* requirements. Should you require further information or clarification regarding this or any other proposed development by Dragos Energy Corporation please contact the Clint Jenson (COO) directly at **403-519-3497**.

Sincerely,

Dragos Energy Corporation

BY ITS AGENT, CANADA WEST LAND SERVICES LTD.



Melissa Enns



Dragos Energy Corp.
750 – 340 12th Ave SW
Calgary, AB, T2R 1L5
403-269-2459

June 21, 2018

Disposition Holder: **DTLG910005**

Via Regular Mail

NORBORD INC.

PO Box 6700 Stn Main, Highway 40
Grande Prairie, Alberta T8V 6Y9

Re: PROPOSED RECOMPLETION AND DISPOSAL WELL INFORMATION LETTER
LANDS: SE25-069-06W6
WELL NAME: PROGRESS GOLDCK7-25-69-6
SURFACE LOCATION: 07-25-069-06W6

Dragos Energy Corporation (“Dragos”) is proposing to make application to Alberta Energy Regulator (“AER”) for approval to recomplete an existing well located at 07-25-069-06W6M for Class II and Ib disposal (as shown on the attached plot plan).

In accordance with AER *Directive 051: Injection and Disposal Wells – Well Classifications, Completions, Logging, and Testing Requirements* and *Directive 065: Resources Applications for Oil and Gas Reservoirs* Dragos is providing you with the following public notification and consultation document.

The wells total vertical depth will be approx. **1295.0 m** and will be recompleted and operated in accordance with good oilfield practices as well as Alberta Environment and AER regulations. The following table summarizes the AER regulations for this well:

Description	Industry/Public Notification	Disclosure/Notification Radius
Produced Water Disposal (Class Ib)	Industry <ul style="list-style-type: none">• Unit operator (if applicable)• Approval holder of scheme• All well licensees, including those of abandoned wells• All mineral lessees• All mineral lessors Public <ul style="list-style-type: none">• Landowners and occupants	A radius of 1.6 km from the proposed disposal well where the disposal zone is known to be present A radius of 0.5 km

Specific information relative to this project is detailed below:

General Inquiries and Contact Persons:	Company (Drilling) Representative: Steve Laidlaw	Telephone No: (403)-869-9790
	Surface Land: Clint Jensen	Telephone No: (403) 519-3497
	Field Operations: Clint Jensen	Telephone No: (403) 519-3497
	Field/Construction Representative Clint Jensen	Telephone No: (403) 519-3497
Emergency Contact:	DRAGOS Main Line (24 hours)	Telephone No: (403) 269-2459
Surface Facility / Location:	SE 25-069-06W6	
General Description of Project:	DRAGOS proposes to complete one (1) existing vertical well for Class II and Ib disposal located at 07-25-69-6W6M. The disposal zone target formation (Cardium) does not contain H ₂ S. Once approval has been granted, a service rig will be moved onto the location to complete and equip the well for disposal of water.	
Category / Type:	Category: Class II and Class Ib	

(From AER D51)	<p>Description: Class II</p> <p>Disposal refers to the injection of fluids into underground formations for purposes other than enhanced recovery or gas storage.</p> <p>Fluids included in a Class II disposal scheme may include:</p> <ul style="list-style-type: none">• Produced water associated with the recovery of oil, bitumen, gas, or coalbed methane• Brine from salt cavern or solution mining operations• Water-based pigging fluids from cleaning of collection and injection lines• Brine reject or backwash from water softeners associated with enhanced recovery• Water containing polymers or other chemicals for enhanced recovery• Waste fluids from circulation during well cementing• CaCl₂ water <p>Description: Class Ib</p> <p>List:</p> <ul style="list-style-type: none">• saline fluids as obtained from oilfield waste processing facilities, oilfield tank washing operations, oil spill containment and recovery, or similar operations• boiler blowdown water• liquid fraction of drilling muds, including KC1 muds, but excluding diesel inverts (in accordance with section 2.3)• aqueous liquid fractions of spent sweetening agents – neutralized (Cansweet 200,300, 300SX, 500, SulphaCheck, Sulfa-scrub)• amine filter backwash (eg. MEA, DBA, MDEA)• sulphur block run-off water - neutralized• inorganic salts used in heat exchange medium (eg. sodium/potassium nitrates/nitrites), properly solubilized using an existing aqueous waste stream• waste fluids from drilling operations (i.e. used in or originating from the wellbore)• spent workover or stimulation fluids (after neutralization and/or processing to recover hydrocarbons)• glycol solutions as obtained from dehydration operations• methanol or hydro-test solutions• acidic or alkaline solutions (neutralized) with heavy metal concentrations at or below the levels given in Schedule 1• gas scrubber or absorption tower bottom liquids (neutralized) with heavy metal concentrations at or below the levels of Schedule 1• washing waste water (i.e. detergent or soap wastes)• corrosion inhibitor solutions with heavy metal concentrations at or below Schedule 1 levels• oxygen scavenger solutions with heavy metal concentrations at or below Schedule 1 levels <p>A waste fluid that is not specifically listed above is suitable for disposal in a Class Ib well if it meets the following criteria:</p> <ul style="list-style-type: none">• has a pH between 6.0 and 9.0⁽¹⁾;• has a flash point greater than 61 °C ⁽²⁾, unless<ul style="list-style-type: none">i) is an untreatable sand or crude oil/water emulsion⁽³⁾, orii) is an antifreeze or dehydration fluid⁽⁴⁾;• has heavy metal concentrations at or below the levels specified in Schedule 1 ⁽⁵⁾; and• has a total combined concentration of halogenated organic compounds of less than 100 mg/kg⁽⁵⁾. <p>In addition to meeting the above criteria, information on the types and sources of wastes intended for disposal must be disclosed in the application for the disposal scheme. The information must support that the quality of the wastes is appropriate for the intended disposal zone based on well bore design/conditions, containment/isolation within the intended disposal zone, and protection of non-saline water sources. The AER will consider the information on a case-by-case basis while also considering other applicable provincial and federal acts and regulations, as well as information from other jurisdictions on deep-well disposal.</p>
Target Formation:	Cardium
Need for Proposed Development, Existing and Future Plans:	Dragos Energy requires disposal for 3 rd party produced water and oilfield waste within the Gold Creek Kakwa Area, Alberta.

Expected Substance Type:	<input checked="" type="checkbox"/> Oilfield/Industrial Wastes (Class Ia) <input checked="" type="checkbox"/> produced water/specified wastes (Class II) <input type="checkbox"/> All
Construction & Soil Conservation	Operational needs and environmental considerations will guide construction practices. Normal lease and access road construction practices involve separate stripping and storage of the A and B soil horizons. In the treed areas, the lease will be maintained in a manner to allow for eventual tree and bush regrowth. Efforts will be made to maintain topsoil quality, control weeds and minimize the number of trees and land that is disturbed. Upon abandonment, the following drilling of a “dry hole” or after the well has reached economic limit, the lease will be reclaimed in accordance with provincial regulations as dictated by Alberta Environment.
On-Site Equipment Required:	If the well is successful, the site will be equipped with tanks, pump and filter equipment, and constructed for ongoing injection purposes.
Potential Flaring Operations:	During drilling and completion operations, there is no potential for flaring/venting where no further notification is required.
Potential Emissions & Odours:	No significant odor emission during drilling and completion operations is anticipated.
Safety and Scheduling:	The wells will be equipped with standard oilfield safety equipment during each of the recompletion, equipping and ongoing operation phases. We anticipate commencing recompletion operations in Q3-2018 and expect the recompletion to take between 8-12days . If successful, the well will then be equipped with tank storage and fluid injection equipment. We anticipate this to take 30 days .
Anticipated Noise:	The noise associated with the drilling and completion operations will be temporary in nature and we will adhere to the regulations set out in Directive 038 (Noise Control Directive) that defines permissible sound levels for all activities associated with oil and gas operations. Noise generated by production equipment will be controlled and meet all AER regulations.
Traffic Impacts:	All associated traffic will travel along the leased access road. Drivers will be made aware of traffic concerns and we will strive to ensure the speed of all associated traffic is within safe and legal limits. Completion operations will require 3-4 loads of equipment and service vehicle traffic. Traffic during the ongoing operation phase will include multiple tank trucks daily and various service equipment as required.
Emergency Response Plan:	The proposed well is going to be completed in the Cardium which has no potential for H ₂ S. The Cardium zone in the area is a water wet zone with minimal to no hydrocarbons. The Cardium zone is over-pressured but is intended for the purpose of disposal and thus is not expected to produce or flow to surface at any time during operations. The Emergency Planning Radius is 0m from well center, a Site-Specific Emergency Response Plan will be present on location. Dragos Energy will follow its Corporate Emergency Response Plan in the unlikely event of an emergency during the drilling, completion or operation of the proposed well. Dragos Energy stands behind its reputation of drilling, operating and constructing high standard facilities designed to meet or exceed all AER, safety and environmental protection guidelines and regulations.
H₂S Concentration:	<u>00.0 mol/kmol</u> Emergency Planning Radius: 0.000 km Release Rate: <u>0.0000m³/s</u>
Setbacks:	As with all wells, pipelines and facilities, there are setbacks put in place as a minimum distance between an energy facility and a dwelling, public facility, rural housing project or urban center. Simply put, setbacks prevent populated areas from developing too close to energy facilities or energy facilities getting too close to people. No development will be permitted within 100 meters of the well head unless all applicable relaxation consents can be obtained. Contact your local municipality for further details on their specific development setbacks and relaxation policies.
Hydraulic Isolation	Disposal approvals specify the disposal zone and limit injection to that zone only. Migration of disposal fluids to other zones is highly undesirable. Dragos Energy will provide the necessary logs, including pressure testing, and additional information to AER to confirm that there is no flow of injected fluid behind casing or associated aquifers based upon the initial pressure of the zone.

Emergency Planning & Emergency Contact Information:

Dragos Energy has a corporate Emergency Response Plan in place. The emergency contact number for Dragos Energy is **403-269-2459**. A site-specific emergency response plan is not required for this facility as per AER guidelines.

It is Dragos Energy Corporations intention to make application to the Alberta Energy Regulator for the approval of the above project a minimum of **14 calendar days** after the date of this letter.

As part of this information package please find enclosed the following documentation for your review:

- Survey Plan
- Plot Plan
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- Letter from the Chairman of the ERCB
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EnerFAQs

Further to the foregoing information, available online through AER Public Information, please contact the undersigned or these may be downloaded from AER's website at: <http://www.aer.ca/about-aer/enerfaqs>

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- Expressing Your Concerns – How to File a Statement of Concern About an Energy Resource Project
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Sincerely,

Dragos Energy Corporation

BY ITS AGENT, CANADA WEST LAND SERVICES LTD.



Melissa Enns



Dragos Energy Corp.
750 – 340 12th Ave SW
Calgary, AB, T2R 1L5
403-269-2459

June 21, 2018

Stakeholder

Via Regular Mail

EDWARDS LAND SERVICES LTD.

Suite 240, 5010 Richard Road
Calgary, Alberta T3E 6L1

Re: PROPOSED RECOMPLETION AND DISPOSAL WELL INFORMATION LETTER
LANDS: SE25-069-06W6
WELL NAME: PROGRESS GOLDCK7-25-69-6
SURFACE LOCATION: 07-25-069-06W6

Dragos Energy Corporation (“Dragos”) is proposing to make application to Alberta Energy Regulator (“AER”) for approval to recomplete an existing well located at 07-25-069-06W6M for Class II and Ib disposal (as shown on the attached plot plan).

In accordance with AER *Directive 051: Injection and Disposal Wells – Well Classifications, Completions, Logging, and Testing Requirements* and *Directive 065: Resources Applications for Oil and Gas Reservoirs* Dragos is providing you with the following public notification and consultation document.

The wells total vertical depth will be approx. **1295.0 m** and will be recompleted and operated in accordance with good oilfield practices as well as Alberta Environment and AER regulations. The following table summarizes the AER regulations for this well:

Description	Industry/Public Notification	Disclosure/Notification Radius
Produced Water Disposal (Class Ib)	Industry <ul style="list-style-type: none">• Unit operator (if applicable)• Approval holder of scheme• All well licensees, including those of abandoned wells• All mineral lessees• All mineral lessors	A radius of 1.6 km from the proposed disposal well where the disposal zone is known to be present
	Public <ul style="list-style-type: none">• Landowners and occupants	A radius of 0.5 km

Specific information relative to this project is detailed below:

General Inquiries and Contact Persons:	Company (Drilling) Representative: Steve Laidlaw	Telephone No: (403)-869-9790
	Surface Land: Clint Jensen	Telephone No: (403) 519-3497
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Emergency Contact:	DRAGOS Main Line (24 hours)	Telephone No: (403) 269-2459
Surface Facility / Location:	SE 25-069-06W6	
General Description of Project:	DRAGOS proposes to complete one (1) existing vertical well for Class II and Ib disposal located at 07-25-069-06W6M. The disposal zone target formation (Cardium) does not contain H ₂ S. Once approval has been granted, a service rig will be moved onto the location to complete and equip the well for disposal of water.	
Category / Type:	Category: Class II and Class Ib	

(From AER D51)	<p>Description: Class II</p> <p>Disposal refers to the injection of fluids into underground formations for purposes other than enhanced recovery or gas storage.</p> <p>Fluids included in a Class II disposal scheme may include:</p> <ul style="list-style-type: none">• Produced water associated with the recovery of oil, bitumen, gas, or coalbed methane• Brine from salt cavern or solution mining operations• Water-based pigging fluids from cleaning of collection and injection lines• Brine reject or backwash from water softeners associated with enhanced recovery• Water containing polymers or other chemicals for enhanced recovery• Waste fluids from circulation during well cementing• CaCl₂ water <p>Description: Class Ib</p> <p>List:</p> <ul style="list-style-type: none">• saline fluids as obtained from oilfield waste processing facilities, oilfield tank washing operations, oil spill containment and recovery, or similar operations• boiler blowdown water• liquid fraction of drilling muds, including KC1 muds, but excluding diesel inverts (in accordance with section 2.3)• aqueous liquid fractions of spent sweetening agents – neutralized (Cansweet 200,300, 300SX, 500, SulphaCheck, Sulfa-scrub)• amine filter backwash (eg. MEA, DBA, MDEA)• sulphur block run-off water - neutralized• inorganic salts used in heat exchange medium (eg. sodium/potassium nitrates/nitrites), properly solubilized using an existing aqueous waste stream• waste fluids from drilling operations (i.e. used in or originating from the wellbore)• spent workover or stimulation fluids (after neutralization and/or processing to recover hydrocarbons)• glycol solutions as obtained from dehydration operations• methanol or hydro-test solutions• acidic or alkaline solutions (neutralized) with heavy metal concentrations at or below the levels given in Schedule 1• gas scrubber or absorption tower bottom liquids (neutralized) with heavy metal concentrations at or below the levels of Schedule 1• washing waste water (i.e. detergent or soap wastes)• corrosion inhibitor solutions with heavy metal concentrations at or below Schedule 1 levels• oxygen scavenger solutions with heavy metal concentrations at or below Schedule 1 levels <p>A waste fluid that is not specifically listed above is suitable for disposal in a Class Ib well if it meets the following criteria:</p> <ul style="list-style-type: none">• has a pH between 6.0 and 9.0⁽¹⁾;• has a flash point greater than 61 °C ⁽²⁾, unless<ul style="list-style-type: none">i) is an untreatable sand or crude oil/water emulsion⁽³⁾, orii) is an antifreeze or dehydration fluid⁽⁴⁾;• has heavy metal concentrations at or below the levels specified in Schedule 1 ⁽⁵⁾; and• has a total combined concentration of halogenated organic compounds of less than 100 mg/kg⁽⁵⁾. <p>In addition to meeting the above criteria, information on the types and sources of wastes intended for disposal must be disclosed in the application for the disposal scheme. The information must support that the quality of the wastes is appropriate for the intended disposal zone based on well bore design/conditions, containment/isolation within the intended disposal zone, and protection of non-saline water sources. The AER will consider the information on a case-by-case basis while also considering other applicable provincial and federal acts and regulations, as well as information from other jurisdictions on deep-well disposal.</p>
Target Formation:	Cardium
Need for Proposed Development, Existing and Future Plans:	Dragos Energy requires disposal for 3 rd party produced water and oilfield waste within the Gold Creek Kakwa Area, Alberta.

Expected Substance Type:	<input checked="" type="checkbox"/> Oilfield/Industrial Wastes (Class Ia) <input checked="" type="checkbox"/> produced water/specified wastes (Class II) <input type="checkbox"/> All
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EnerFAQs

Further to the foregoing information, available online through AER Public Information, please contact the undersigned or these may be downloaded from AER's website at: <http://www.aer.ca/about-aer/enerfaqs>

- What is the AER?
- Having Your Say at an AER Hearing
- Inspections and Enforcement of Energy Developments in Alberta
- All About Critical Sour Wells
- Explaining AER Setbacks
- Flaring and Incineration
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- The AER and You: Agreements, Commitments, and Conditions
- All About Alternative Dispute Resolution (ADR)
- Oil Sands
- Expressing Your Concerns – How to File a Statement of Concern About an Energy Resource Project
- How to Register a Private Surface Agreement

This notice is being provided to you pursuant to AER *Directive 051: Injection and Disposal Wells – Well Classifications, Completions, Logging, and Testing Requirements* and *Directive 065: Resources Applications for Oil and Gas Reservoirs* requirements. Should you require further information or clarification regarding this or any other proposed development by Dragos Energy Corporation please contact the Clint Jenson (COO) directly at **403-519-3497**.

Sincerely,

Dragos Energy Corporation

BY ITS AGENT, CANADA WEST LAND SERVICES LTD.



Melissa Enns



Dragos Energy Corp.
750 – 340 12th Ave SW
Calgary, AB, T2R 1L5
403-269-2459

June 21, 2018

Disposition Holder: **FMA6900016 and ISP170434**

Via Online

WEYERHAEUSER COMPANY LIMITED
C/O SILVACOM
3912 - 91 Street NW
Edmonton, Alberta T6E 5K7

Re: PROPOSED RECOMPLETION AND DISPOSAL WELL INFORMATION LETTER
LANDS: SE25-069-06W6
WELL NAME: PROGRESS GOLDCK7-25-69-6
SURFACE LOCATION: 07-25-069-06W6

Dragos Energy Corporation (“Dragos”) is proposing to make application to Alberta Energy Regulator (“AER”) for approval to recomplete an existing well located at 07-25-069-06W6M for Class II and Ib disposal (as shown on the attached plot plan).

In accordance with AER *Directive 051: Injection and Disposal Wells – Well Classifications, Completions, Logging, and Testing Requirements* and *Directive 065: Resources Applications for Oil and Gas Reservoirs* Dragos is providing you with the following public notification and consultation document.

The wells total vertical depth will be approx. **1295.0 m** and will be recompleted and operated in accordance with good oilfield practices as well as Alberta Environment and AER regulations. The following table summarizes the AER regulations for this well:

Description	Industry/Public Notification	Disclosure/Notification Radius
Produced Water Disposal (Class Ib)	Industry <ul style="list-style-type: none">• Unit operator (if applicable)• Approval holder of scheme• All well licensees, including those of abandoned wells• All mineral lessees• All mineral lessors	A radius of 1.6 km from the proposed disposal well where the disposal zone is known to be present
	Public <ul style="list-style-type: none">• Landowners and occupants	A radius of 0.5 km

Specific information relative to this project is detailed below:

General Inquiries and Contact Persons:	Company (Drilling) Representative: Steve Laidlaw	Telephone No: (403)-869-9790
	Surface Land: Clint Jensen	Telephone No: (403) 519-3497
	Field Operations: Clint Jensen	Telephone No: (403) 519-3497
	Field/Construction Representative Clint Jensen	Telephone No: (403) 519-3497
Emergency Contact:	DRAGOS Main Line (24 hours)	Telephone No: (403) 269-2459
Surface Facility / Location:	SE 25-069-06W6	
General Description of Project:	DRAGOS proposes to complete one (1) existing vertical well for Class II and Ib disposal located at 07-25-69-06W6M. The disposal zone target formation (Cardium) does not contain H ₂ S. Once approval has been granted, a service rig will be moved onto the location to complete and equip the well for disposal of water.	
Category / Type:	Category: Class II and Class Ib	

(From AER D51)	<p>Description: Class II</p> <p>Disposal refers to the injection of fluids into underground formations for purposes other than enhanced recovery or gas storage.</p> <p>Fluids included in a Class II disposal scheme may include:</p> <ul style="list-style-type: none">• Produced water associated with the recovery of oil, bitumen, gas, or coalbed methane• Brine from salt cavern or solution mining operations• Water-based pigging fluids from cleaning of collection and injection lines• Brine reject or backwash from water softeners associated with enhanced recovery• Water containing polymers or other chemicals for enhanced recovery• Waste fluids from circulation during well cementing• CaCl₂ water <p>Description: Class Ib</p> <p>List:</p> <ul style="list-style-type: none">• saline fluids as obtained from oilfield waste processing facilities, oilfield tank washing operations, oil spill containment and recovery, or similar operations• boiler blowdown water• liquid fraction of drilling muds, including KC1 muds, but excluding diesel inverts (in accordance with section 2.3)• aqueous liquid fractions of spent sweetening agents – neutralized (Cansweet 200,300, 300SX, 500, SulphaCheck, Sulfa-scrub)• amine filter backwash (eg. MEA, DBA, MDEA)• sulphur block run-off water - neutralized• inorganic salts used in heat exchange medium (eg. sodium/potassium nitrates/nitrites), properly solubilized using an existing aqueous waste stream• waste fluids from drilling operations (i.e. used in or originating from the wellbore)• spent workover or stimulation fluids (after neutralization and/or processing to recover hydrocarbons)• glycol solutions as obtained from dehydration operations• methanol or hydro-test solutions• acidic or alkaline solutions (neutralized) with heavy metal concentrations at or below the levels given in Schedule 1• gas scrubber or absorption tower bottom liquids (neutralized) with heavy metal concentrations at or below the levels of Schedule 1• washing waste water (i.e. detergent or soap wastes)• corrosion inhibitor solutions with heavy metal concentrations at or below Schedule 1 levels• oxygen scavenger solutions with heavy metal concentrations at or below Schedule 1 levels <p>A waste fluid that is not specifically listed above is suitable for disposal in a Class Ib well if it meets the following criteria:</p> <ul style="list-style-type: none">• has a pH between 6.0 and 9.0⁽¹⁾;• has a flash point greater than 61 °C ⁽²⁾, unless<ul style="list-style-type: none">i) is an untreatable sand or crude oil/water emulsion⁽³⁾, orii) is an antifreeze or dehydration fluid⁽⁴⁾;• has heavy metal concentrations at or below the levels specified in Schedule 1 ⁽⁵⁾; and• has a total combined concentration of halogenated organic compounds of less than 100 mg/kg⁽⁵⁾. <p>In addition to meeting the above criteria, information on the types and sources of wastes intended for disposal must be disclosed in the application for the disposal scheme. The information must support that the quality of the wastes is appropriate for the intended disposal zone based on well bore design/conditions, containment/isolation within the intended disposal zone, and protection of non-saline water sources. The AER will consider the information on a case-by-case basis while also considering other applicable provincial and federal acts and regulations, as well as information from other jurisdictions on deep-well disposal.</p>
Target Formation:	Cardium
Need for Proposed Development, Existing and Future Plans:	Dragos Energy requires disposal for 3 rd party produced water and oilfield waste within the Gold Creek Kakwa Area, Alberta.

Expected Substance Type:	<input checked="" type="checkbox"/> Oilfield/Industrial Wastes (Class Ia) <input checked="" type="checkbox"/> produced water/specified wastes (Class II) <input type="checkbox"/> All
Construction & Soil Conservation	Operational needs and environmental considerations will guide construction practices. Normal lease and access road construction practices involve separate stripping and storage of the A and B soil horizons. In the treed areas, the lease will be maintained in a manner to allow for eventual tree and bush regrowth. Efforts will be made to maintain topsoil quality, control weeds and minimize the number of trees and land that is disturbed. Upon abandonment, the following drilling of a “dry hole” or after the well has reached economic limit, the lease will be reclaimed in accordance with provincial regulations as dictated by Alberta Environment.
On-Site Equipment Required:	If the well is successful, the site will be equipped with tanks, pump and filter equipment, and constructed for ongoing injection purposes.
Potential Flaring Operations:	During drilling and completion operations, there is no potential for flaring/venting where no further notification is required.
Potential Emissions & Odours:	No significant odor emission during drilling and completion operations is anticipated.
Safety and Scheduling:	The wells will be equipped with standard oilfield safety equipment during each of the recompletion, equipping and ongoing operation phases. We anticipate commencing recompletion operations in Q3-2018 and expect the recompletion to take between 8-12days . If successful, the well will then be equipped with tank storage and fluid injection equipment. We anticipate this to take 30 days .
Anticipated Noise:	The noise associated with the drilling and completion operations will be temporary in nature and we will adhere to the regulations set out in Directive 038 (Noise Control Directive) that defines permissible sound levels for all activities associated with oil and gas operations. Noise generated by production equipment will be controlled and meet all AER regulations.
Traffic Impacts:	All associated traffic will travel along the leased access road. Drivers will be made aware of traffic concerns and we will strive to ensure the speed of all associated traffic is within safe and legal limits. Completion operations will require 3-4 loads of equipment and service vehicle traffic. Traffic during the ongoing operation phase will include multiple tank trucks daily and various service equipment as required.
Emergency Response Plan:	The proposed well is going to be completed in the Cardium which has no potential for H ₂ S. The Cardium zone in the area is a water wet zone with minimal to no hydrocarbons. The Cardium zone is over-pressured but is intended for the purpose of disposal and thus is not expected to produce or flow to surface at any time during operations. The Emergency Planning Radius is 0m from well center, a Site-Specific Emergency Response Plan will be present on location. Dragos Energy will follow its Corporate Emergency Response Plan in the unlikely event of an emergency during the drilling, completion or operation of the proposed well. Dragos Energy stands behind its reputation of drilling, operating and constructing high standard facilities designed to meet or exceed all AER, safety and environmental protection guidelines and regulations.
H₂S Concentration:	<u>00.0 mol/kmol</u> Emergency Planning Radius: 0.000 km Release Rate: <u>0.0000m³/s</u>
Setbacks:	As with all wells, pipelines and facilities, there are setbacks put in place as a minimum distance between an energy facility and a dwelling, public facility, rural housing project or urban center. Simply put, setbacks prevent populated areas from developing too close to energy facilities or energy facilities getting too close to people. No development will be permitted within 100 meters of the well head unless all applicable relaxation consents can be obtained. Contact your local municipality for further details on their specific development setbacks and relaxation policies.
Hydraulic Isolation	Disposal approvals specify the disposal zone and limit injection to that zone only. Migration of disposal fluids to other zones is highly undesirable. Dragos Energy will provide the necessary logs, including pressure testing, and additional information to AER to confirm that there is no flow of injected fluid behind casing or associated aquifers based upon the initial pressure of the zone.

Emergency Planning & Emergency Contact Information:

Dragos Energy has a corporate Emergency Response Plan in place. The emergency contact number for Dragos Energy is **403-269-2459**. A site-specific emergency response plan is not required for this facility as per AER guidelines.

It is Dragos Energy Corporations intention to make application to the Alberta Energy Regulator for the approval of the above project a minimum of **14 calendar days** after the date of this letter.

As part of this information package please find enclosed the following documentation for your review:

- Survey Plan
- Plot Plan
- Radius Map
- Letter from the Chairman of the ERCB
- the ERCB brochure Understanding Oil and Gas Development in Alberta,
- EnerFAQs No. 7: Proposed Oil and Gas Development: A Landowner's Guide,
- the ERCB publication EnerFAQs No. 15: Objecting to an Energy Resource Project and the form Objecting to an Energy Resource Project, and

EnerFAQs

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- Having Your Say at an AER Hearing
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- Proposed Oil and Gas Wells, Pipelines, and Facilities: A Landowner's Guide
- The AER and You: Agreements, Commitments, and Conditions
- All About Alternative Dispute Resolution (ADR)
- Oil Sands
- Expressing Your Concerns – How to File a Statement of Concern About an Energy Resource Project
- How to Register a Private Surface Agreement

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Sincerely,

Dragos Energy Corporation

BY ITS AGENT, CANADA WEST LAND SERVICES LTD.



Melissa Enns



Dragos Energy Corp.
750 – 340 12th Ave SW
Calgary, AB, T2R 1L5
403-269-2459

June 21, 2018

Local Authority

Via Regular Mail

M.D. OF GREENVIEW NO. 16

Box 1079, 4707 - 50 Street
Valleyview, Alberta T0H 3N0

Re: PROPOSED RECOMPLETION AND DISPOSAL WELL INFORMATION LETTER
LANDS: SE25-069-06W6
WELL NAME: PROGRESS GOLDCK7-25-69-6
SURFACE LOCATION: 07-25-069-06W6

Dragos Energy Corporation (“Dragos”) is proposing to make application to Alberta Energy Regulator (“AER”) for approval to recompleate an existing well located at 07-25-069-06W6M for Class II and Ib disposal (as shown on the attached plot plan).

In accordance with AER Directive 051: Injection and Disposal Wells – Well Classifications, Completions, Logging, and Testing Requirements and Directive 065: Resources Applications for Oil and Gas Reservoirs Dragos is providing you with the following public notification and consultation document.

The wells total vertical depth will be approx. 1295.0 m and will be recompleted and operated in accordance with good oilfield practices as well as Alberta Environment and AER regulations. The following table summarizes the AER regulations for this well:

Description	Industry/Public Notification	Disclosure/Notification Radius
Produced Water Disposal (Class Ib)	Industry <ul style="list-style-type: none">• Unit operator (if applicable)• Approval holder of scheme• All well licensees, including those of abandoned wells• All mineral lessees• All mineral lessors	A radius of 1.6 km from the proposed disposal well where the disposal zone is known to be present
	Public <ul style="list-style-type: none">• Landowners and occupants	A radius of 0.5 km

Specific information relative to this project is detailed below:

General Inquiries and Contact Persons:	Company (Drilling) Representative: Steve Laidlaw	Telephone No: (403)-869-9790
	Surface Land: Clint Jensen	Telephone No: (403) 519-3497
	Field Operations: Clint Jensen	Telephone No: (403) 519-3497
	Field/Construction Representative Clint Jensen	Telephone No: (403) 519-3497
Emergency Contact:	DRAGOS Main Line (24 hours)	Telephone No: (403) 269-2459
Surface Facility / Location:	SE 25-069-06W6	
General Description of Project:	DRAGOS proposes to complete one (1) existing vertical well for Class II and Ib disposal located at 07-25-69-6W6M. The disposal zone target formation (Cardium) does not contain H2S. Once approval has been granted, a service rig will be moved onto the location to complete and equip the well for disposal of water.	
Category / Type:	Category: Class II and Class Ib	

(From AER D51)	<p>Description: Class II</p> <p>Disposal refers to the injection of fluids into underground formations for purposes other than enhanced recovery or gas storage.</p> <p>Fluids included in a Class II disposal scheme may include:</p> <ul style="list-style-type: none">• Produced water associated with the recovery of oil, bitumen, gas, or coalbed methane• Brine from salt cavern or solution mining operations• Water-based pigging fluids from cleaning of collection and injection lines• Brine reject or backwash from water softeners associated with enhanced recovery• Water containing polymers or other chemicals for enhanced recovery• Waste fluids from circulation during well cementing• CaCl₂ water <p>Description: Class Ib</p> <p>List:</p> <ul style="list-style-type: none">• saline fluids as obtained from oilfield waste processing facilities, oilfield tank washing operations, oil spill containment and recovery, or similar operations• boiler blowdown water• liquid fraction of drilling muds, including KC1 muds, but excluding diesel inverts (in accordance with section 2.3)• aqueous liquid fractions of spent sweetening agents – neutralized (Cansweet 200,300, 300SX, 500, SulphaCheck, Sulfa-scrub)• amine filter backwash (eg. MEA, DBA, MDEA)• sulphur block run-off water - neutralized• inorganic salts used in heat exchange medium (eg. sodium/potassium nitrates/nitrites), properly solubilized using an existing aqueous waste stream• waste fluids from drilling operations (i.e. used in or originating from the wellbore)• spent workover or stimulation fluids (after neutralization and/or processing to recover hydrocarbons)• glycol solutions as obtained from dehydration operations• methanol or hydro-test solutions• acidic or alkaline solutions (neutralized) with heavy metal concentrations at or below the levels given in Schedule 1• gas scrubber or absorption tower bottom liquids (neutralized) with heavy metal concentrations at or below the levels of Schedule 1• washing waste water (i.e. detergent or soap wastes)• corrosion inhibitor solutions with heavy metal concentrations at or below Schedule 1 levels• oxygen scavenger solutions with heavy metal concentrations at or below Schedule 1 levels <p>A waste fluid that is not specifically listed above is suitable for disposal in a Class Ib well if it meets the following criteria:</p> <ul style="list-style-type: none">• has a pH between 6.0 and 9.0⁽¹⁾;• has a flash point greater than 61 °C ⁽²⁾, unless<ul style="list-style-type: none">i) is an untreatable sand or crude oil/water emulsion⁽³⁾, orii) is an antifreeze or dehydration fluid⁽⁴⁾;• has heavy metal concentrations at or below the levels specified in Schedule 1 ⁽⁵⁾; and• has a total combined concentration of halogenated organic compounds of less than 100 mg/kg⁽⁵⁾. <p>In addition to meeting the above criteria, information on the types and sources of wastes intended for disposal must be disclosed in the application for the disposal scheme. The information must support that the quality of the wastes is appropriate for the intended disposal zone based on well bore design/conditions, containment/isolation within the intended disposal zone, and protection of non-saline water sources. The AER will consider the information on a case-by-case basis while also considering other applicable provincial and federal acts and regulations, as well as information from other jurisdictions on deep-well disposal.</p>
Target Formation:	Cardium
Need for Proposed Development, Existing and Future Plans:	Dragos Energy requires disposal for 3 rd party produced water and oilfield waste within the Gold Creek Kakwa Area, Alberta.

Expected Substance Type:	<input checked="" type="checkbox"/> Oilfield/Industrial Wastes (Class Ia) <input checked="" type="checkbox"/> produced water/specified wastes (Class II) <input type="checkbox"/> All
Construction & Soil Conservation	Operational needs and environmental considerations will guide construction practices. Normal lease and access road construction practices involve separate stripping and storage of the A and B soil horizons. In the treed areas, the lease will be maintained in a manner to allow for eventual tree and bush regrowth. Efforts will be made to maintain topsoil quality, control weeds and minimize the number of trees and land that is disturbed. Upon abandonment, the following drilling of a “dry hole” or after the well has reached economic limit, the lease will be reclaimed in accordance with provincial regulations as dictated by Alberta Environment.
On-Site Equipment Required:	If the well is successful, the site will be equipped with tanks, pump and filter equipment, and constructed for ongoing injection purposes.
Potential Flaring Operations:	During drilling and completion operations, there is no potential for flaring/venting where no further notification is required.
Potential Emissions & Odours:	No significant odor emission during drilling and completion operations is anticipated.
Safety and Scheduling:	The wells will be equipped with standard oilfield safety equipment during each of the recompletion, equipping and ongoing operation phases. We anticipate commencing recompletion operations in Q3-2018 and expect the recompletion to take between 8-12days . If successful, the well will then be equipped with tank storage and fluid injection equipment. We anticipate this to take 30 days .
Anticipated Noise:	The noise associated with the drilling and completion operations will be temporary in nature and we will adhere to the regulations set out in Directive 038 (Noise Control Directive) that defines permissible sound levels for all activities associated with oil and gas operations. Noise generated by production equipment will be controlled and meet all AER regulations.
Traffic Impacts:	All associated traffic will travel along the leased access road. Drivers will be made aware of traffic concerns and we will strive to ensure the speed of all associated traffic is within safe and legal limits. Completion operations will require 3-4 loads of equipment and service vehicle traffic. Traffic during the ongoing operation phase will include multiple tank trucks daily and various service equipment as required.
Emergency Response Plan:	The proposed well is going to be completed in the Cardium which has no potential for H ₂ S. The Cardium zone in the area is a water wet zone with minimal to no hydrocarbons. The Cardium zone is over-pressured but is intended for the purpose of disposal and thus is not expected to produce or flow to surface at any time during operations. The Emergency Planning Radius is 0m from well center, a Site-Specific Emergency Response Plan will be present on location. Dragos Energy will follow its Corporate Emergency Response Plan in the unlikely event of an emergency during the drilling, completion or operation of the proposed well. Dragos Energy stands behind its reputation of drilling, operating and constructing high standard facilities designed to meet or exceed all AER, safety and environmental protection guidelines and regulations.
H₂S Concentration:	<u>00.0 mol/kmol</u> Emergency Planning Radius: <u>0.000 km</u> Release Rate: <u>0.0000m³/s</u>
Setbacks:	As with all wells, pipelines and facilities, there are setbacks put in place as a minimum distance between an energy facility and a dwelling, public facility, rural housing project or urban center. Simply put, setbacks prevent populated areas from developing too close to energy facilities or energy facilities getting too close to people. No development will be permitted within 100 meters of the well head unless all applicable relaxation consents can be obtained. Contact your local municipality for further details on their specific development setbacks and relaxation policies.
Hydraulic Isolation	Disposal approvals specify the disposal zone and limit injection to that zone only. Migration of disposal fluids to other zones is highly undesirable. Dragos Energy will provide the necessary logs, including pressure testing, and additional information to AER to confirm that there is no flow of injected fluid behind casing or associated aquifers based upon the initial pressure of the zone.

Emergency Planning & Emergency Contact Information:

Dragos Energy has a corporate Emergency Response Plan in place. The emergency contact number for Dragos Energy is **403-269-2459**. A site-specific emergency response plan is not required for this facility as per AER guidelines.

It is Dragos Energy Corporations intention to make application to the Alberta Energy Regulator for the approval of the above project a minimum of **14 calendar days** after the date of this letter.

As part of this information package please find enclosed the following documentation for your review:

- Survey Plan
- Plot Plan
- Radius Map
- Letter from the Chairman of the ERCB
- the ERCB brochure Understanding Oil and Gas Development in Alberta,
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EnerFAQs

Further to the foregoing information, available online through AER Public Information, please contact the undersigned or these may be downloaded from AER's website at: <http://www.aer.ca/about-aer/enerfaqs>

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Sincerely,

Dragos Energy Corporation

BY ITS AGENT, CANADA WEST LAND SERVICES LTD.



Melissa Enns



Dragos Energy Corp.
750 – 340 12th Ave SW
Calgary, AB, T2R 1L5
403-269-2459

June 21, 2018

Stakeholder

Via Regular Mail

INCEPTION EXPLORATION LTD.
4600 Eighth Avenue Place East, 525-8TH Avenue SW
Calgary, Alberta T2P 1G1

Re: PROPOSED RECOMPLETION AND DISPOSAL WELL INFORMATION LETTER
LANDS: SE25-069-06W6
WELL NAME: PROGRESS GOLDCK7-25-69-6
SURFACE LOCATION: 07-25-069-06W6

Dragos Energy Corporation (“Dragos”) is proposing to make application to Alberta Energy Regulator (“AER”) for approval to recomplete an existing well located at 07-25-069-06W6M for Class II and Ib disposal (as shown on the attached plot plan).

In accordance with AER *Directive 051: Injection and Disposal Wells – Well Classifications, Completions, Logging, and Testing Requirements* and *Directive 065: Resources Applications for Oil and Gas Reservoirs* Dragos is providing you with the following public notification and consultation document.

The wells total vertical depth will be approx. **1295.0 m** and will be recompleted and operated in accordance with good oilfield practices as well as Alberta Environment and AER regulations. The following table summarizes the AER regulations for this well:

Description	Industry/Public Notification	Disclosure/Notification Radius
Produced Water Disposal (Class Ib)	Industry <ul style="list-style-type: none">• Unit operator (if applicable)• Approval holder of scheme• All well licensees, including those of abandoned wells• All mineral lessees• All mineral lessors	A radius of 1.6 km from the proposed disposal well where the disposal zone is known to be present
	Public <ul style="list-style-type: none">• Landowners and occupants	A radius of 0.5 km

Specific information relative to this project is detailed below:

General Inquiries and Contact Persons:	Company (Drilling) Representative: Steve Laidlaw	Telephone No: (403)-869-9790
	Surface Land: Clint Jensen	Telephone No: (403) 519-3497
	Field Operations: Clint Jensen	Telephone No: (403) 519-3497
	Field/Construction Representative Clint Jensen	Telephone No: (403) 519-3497
Emergency Contact:	DRAGOS Main Line (24 hours)	Telephone No: (403) 269-2459
Surface Facility / Location:	SE 25-069-06W6	
General Description of Project:	DRAGOS proposes to complete one (1) existing vertical well for Class II and Ib disposal located at 07-25-069-06W6M. The disposal zone target formation (Cardium) does not contain H ₂ S. Once approval has been granted, a service rig will be moved onto the location to complete and equip the well for disposal of water.	
Category / Type:	Category: Class II and Class Ib	

(From AER D51)	<p>Description: Class II</p> <p>Disposal refers to the injection of fluids into underground formations for purposes other than enhanced recovery or gas storage.</p> <p>Fluids included in a Class II disposal scheme may include:</p> <ul style="list-style-type: none">• Produced water associated with the recovery of oil, bitumen, gas, or coalbed methane• Brine from salt cavern or solution mining operations• Water-based pigging fluids from cleaning of collection and injection lines• Brine reject or backwash from water softeners associated with enhanced recovery• Water containing polymers or other chemicals for enhanced recovery• Waste fluids from circulation during well cementing• CaCl₂ water <p>Description: Class Ib</p> <p>List:</p> <ul style="list-style-type: none">• saline fluids as obtained from oilfield waste processing facilities, oilfield tank washing operations, oil spill containment and recovery, or similar operations• boiler blowdown water• liquid fraction of drilling muds, including KC1 muds, but excluding diesel inverts (in accordance with section 2.3)• aqueous liquid fractions of spent sweetening agents – neutralized (Cansweet 200,300, 300SX, 500, SulphaCheck, Sulfa-scrub)• amine filter backwash (eg. MEA, DBA, MDEA)• sulphur block run-off water - neutralized• inorganic salts used in heat exchange medium (eg. sodium/potassium nitrates/nitrites), properly solubilized using an existing aqueous waste stream• waste fluids from drilling operations (i.e. used in or originating from the wellbore)• spent workover or stimulation fluids (after neutralization and/or processing to recover hydrocarbons)• glycol solutions as obtained from dehydration operations• methanol or hydro-test solutions• acidic or alkaline solutions (neutralized) with heavy metal concentrations at or below the levels given in Schedule 1• gas scrubber or absorption tower bottom liquids (neutralized) with heavy metal concentrations at or below the levels of Schedule 1• washing waste water (i.e. detergent or soap wastes)• corrosion inhibitor solutions with heavy metal concentrations at or below Schedule 1 levels• oxygen scavenger solutions with heavy metal concentrations at or below Schedule 1 levels <p>A waste fluid that is not specifically listed above is suitable for disposal in a Class Ib well if it meets the following criteria:</p> <ul style="list-style-type: none">• has a pH between 6.0 and 9.0⁽¹⁾;• has a flash point greater than 61 °C ⁽²⁾, unless<ul style="list-style-type: none">i) is an untreatable sand or crude oil/water emulsion⁽³⁾, orii) is an antifreeze or dehydration fluid⁽⁴⁾;• has heavy metal concentrations at or below the levels specified in Schedule 1 ⁽⁵⁾; and• has a total combined concentration of halogenated organic compounds of less than 100 mg/kg⁽⁵⁾. <p>In addition to meeting the above criteria, information on the types and sources of wastes intended for disposal must be disclosed in the application for the disposal scheme. The information must support that the quality of the wastes is appropriate for the intended disposal zone based on well bore design/conditions, containment/isolation within the intended disposal zone, and protection of non-saline water sources. The AER will consider the information on a case-by-case basis while also considering other applicable provincial and federal acts and regulations, as well as information from other jurisdictions on deep-well disposal.</p>
Target Formation:	Cardium
Need for Proposed Development, Existing and Future Plans:	Dragos Energy requires disposal for 3 rd party produced water and oilfield waste within the Gold Creek Kakwa Area, Alberta.

Expected Substance Type:	<input checked="" type="checkbox"/> Oilfield/Industrial Wastes (Class Ia) <input checked="" type="checkbox"/> produced water/specified wastes (Class II) <input type="checkbox"/> All
Construction & Soil Conservation	Operational needs and environmental considerations will guide construction practices. Normal lease and access road construction practices involve separate stripping and storage of the A and B soil horizons. In the treed areas, the lease will be maintained in a manner to allow for eventual tree and bush regrowth. Efforts will be made to maintain topsoil quality, control weeds and minimize the number of trees and land that is disturbed. Upon abandonment, the following drilling of a “dry hole” or after the well has reached economic limit, the lease will be reclaimed in accordance with provincial regulations as dictated by Alberta Environment.
On-Site Equipment Required:	If the well is successful, the site will be equipped with tanks, pump and filter equipment, and constructed for ongoing injection purposes.
Potential Flaring Operations:	During drilling and completion operations, there is no potential for flaring/venting where no further notification is required.
Potential Emissions & Odours:	No significant odor emission during drilling and completion operations is anticipated.
Safety and Scheduling:	The wells will be equipped with standard oilfield safety equipment during each of the recompletion, equipping and ongoing operation phases. We anticipate commencing recompletion operations in Q3-2018 and expect the recompletion to take between 8-12days . If successful, the well will then be equipped with tank storage and fluid injection equipment. We anticipate this to take 30 days .
Anticipated Noise:	The noise associated with the drilling and completion operations will be temporary in nature and we will adhere to the regulations set out in Directive 038 (Noise Control Directive) that defines permissible sound levels for all activities associated with oil and gas operations. Noise generated by production equipment will be controlled and meet all AER regulations.
Traffic Impacts:	All associated traffic will travel along the leased access road. Drivers will be made aware of traffic concerns and we will strive to ensure the speed of all associated traffic is within safe and legal limits. Completion operations will require 3-4 loads of equipment and service vehicle traffic. Traffic during the ongoing operation phase will include multiple tank trucks daily and various service equipment as required.
Emergency Response Plan:	The proposed well is going to be completed in the Cardium which has no potential for H ₂ S. The Cardium zone in the area is a water wet zone with minimal to no hydrocarbons. The Cardium zone is over-pressured but is intended for the purpose of disposal and thus is not expected to produce or flow to surface at any time during operations. The Emergency Planning Radius is 0m from well center, a Site-Specific Emergency Response Plan will be present on location. Dragos Energy will follow its Corporate Emergency Response Plan in the unlikely event of an emergency during the drilling, completion or operation of the proposed well. Dragos Energy stands behind its reputation of drilling, operating and constructing high standard facilities designed to meet or exceed all AER, safety and environmental protection guidelines and regulations.
H₂S Concentration:	<u>00.0 mol/kmol</u> Emergency Planning Radius: <u>0.000 km</u> Release Rate: <u>0.0000m³/s</u>
Setbacks:	As with all wells, pipelines and facilities, there are setbacks put in place as a minimum distance between an energy facility and a dwelling, public facility, rural housing project or urban center. Simply put, setbacks prevent populated areas from developing too close to energy facilities or energy facilities getting too close to people. No development will be permitted within 100 meters of the well head unless all applicable relaxation consents can be obtained. Contact your local municipality for further details on their specific development setbacks and relaxation policies.
Hydraulic Isolation	Disposal approvals specify the disposal zone and limit injection to that zone only. Migration of disposal fluids to other zones is highly undesirable. Dragos Energy will provide the necessary logs, including pressure testing, and additional information to AER to confirm that there is no flow of injected fluid behind casing or associated aquifers based upon the initial pressure of the zone.

Emergency Planning & Emergency Contact Information:

Dragos Energy has a corporate Emergency Response Plan in place. The emergency contact number for Dragos Energy is **403-269-2459**. A site-specific emergency response plan is not required for this facility as per AER guidelines.

It is Dragos Energy Corporations intention to make application to the Alberta Energy Regulator for the approval of the above project a minimum of **14 calendar days** after the date of this letter.

As part of this information package please find enclosed the following documentation for your review:

- Survey Plan
- Plot Plan
- Radius Map
- Letter from the Chairman of the ERCB
- the ERCB brochure Understanding Oil and Gas Development in Alberta,
- EnerFAQs No. 7: Proposed Oil and Gas Development: A Landowner's Guide,
- the ERCB publication EnerFAQs No. 15: Objecting to an Energy Resource Project and the form Objecting to an Energy Resource Project, and

EnerFAQs

Further to the foregoing information, available online through AER Public Information, please contact the undersigned or these may be downloaded from AER's website at: <http://www.aer.ca/about-aer/enerfaqs>

- What is the AER?
- Having Your Say at an AER Hearing
- Inspections and Enforcement of Energy Developments in Alberta
- All About Critical Sour Wells
- Explaining AER Setbacks
- Flaring and Incineration
- Proposed Oil and Gas Wells, Pipelines, and Facilities: A Landowner's Guide
- The AER and You: Agreements, Commitments, and Conditions
- All About Alternative Dispute Resolution (ADR)
- Oil Sands
- Expressing Your Concerns – How to File a Statement of Concern About an Energy Resource Project
- How to Register a Private Surface Agreement

This notice is being provided to you pursuant to AER *Directive 051: Injection and Disposal Wells – Well Classifications, Completions, Logging, and Testing Requirements* and *Directive 065: Resources Applications for Oil and Gas Reservoirs* requirements. Should you require further information or clarification regarding this or any other proposed development by Dragos Energy Corporation please contact the Clint Jenson (COO) directly at **403-519-3497**.

Sincerely,

Dragos Energy Corporation

BY ITS AGENT, CANADA WEST LAND SERVICES LTD.



Melissa Enns



Dragos Energy Corp.
750 – 340 12th Ave SW
Calgary, AB, T2R 1L5
403-269-2459

June 21, 2018

Stakeholder

Via Regular Mail

NUVISTA ENERGY LTD.
Suite 3500, 700 - 2 ST SW
Calgary, Alberta T2P 2W2

Re: PROPOSED RECOMPLETION AND DISPOSAL WELL INFORMATION LETTER
LANDS: SE25-069-06W6
WELL NAME: PROGRESS GOLDCK7-25-69-6
SURFACE LOCATION: 07-25-069-06W6

Dragos Energy Corporation (“Dragos”) is proposing to make application to Alberta Energy Regulator (“AER”) for approval to recomplete an existing well located at 07-25-069-06W6M for Class II and Ib disposal (as shown on the attached plot plan).

In accordance with AER *Directive 051: Injection and Disposal Wells – Well Classifications, Completions, Logging, and Testing Requirements* and *Directive 065: Resources Applications for Oil and Gas Reservoirs* Dragos is providing you with the following public notification and consultation document.

The wells total vertical depth will be approx. **1295.0 m** and will be recompleted and operated in accordance with good oilfield practices as well as Alberta Environment and AER regulations. The following table summarizes the AER regulations for this well:

Description	Industry/Public Notification	Disclosure/Notification Radius
Produced Water Disposal (Class Ib)	Industry <ul style="list-style-type: none">• Unit operator (if applicable)• Approval holder of scheme• All well licensees, including those of abandoned wells• All mineral lessees• All mineral lessors	A radius of 1.6 km from the proposed disposal well where the disposal zone is known to be present
	Public <ul style="list-style-type: none">• Landowners and occupants	A radius of 0.5 km

Specific information relative to this project is detailed below:

General Inquiries and Contact Persons:	Company (Drilling) Representative: Steve Laidlaw	Telephone No: (403)-869-9790
	Surface Land: Clint Jensen	Telephone No: (403) 519-3497
	Field Operations: Clint Jensen	Telephone No: (403) 519-3497
	Field/Construction Representative Clint Jensen	Telephone No: (403) 519-3497
Emergency Contact:	DRAGOS Main Line (24 hours)	Telephone No: (403) 269-2459
Surface Facility / Location:	SE 25-069-06W6	
General Description of Project:	DRAGOS proposes to complete one (1) existing vertical well for Class II and Ib disposal located at 07-25-069-06W6M. The disposal zone target formation (Cardium) does not contain H ₂ S. Once approval has been granted, a service rig will be moved onto the location to complete and equip the well for disposal of water.	
Category / Type:	Category: Class II and Class Ib	

(From AER D51)	<p>Description: Class II</p> <p>Disposal refers to the injection of fluids into underground formations for purposes other than enhanced recovery or gas storage.</p> <p>Fluids included in a Class II disposal scheme may include:</p> <ul style="list-style-type: none">• Produced water associated with the recovery of oil, bitumen, gas, or coalbed methane• Brine from salt cavern or solution mining operations• Water-based pigging fluids from cleaning of collection and injection lines• Brine reject or backwash from water softeners associated with enhanced recovery• Water containing polymers or other chemicals for enhanced recovery• Waste fluids from circulation during well cementing• CaCl₂ water <p>Description: Class Ib</p> <p>List:</p> <ul style="list-style-type: none">• saline fluids as obtained from oilfield waste processing facilities, oilfield tank washing operations, oil spill containment and recovery, or similar operations• boiler blowdown water• liquid fraction of drilling muds, including KC1 muds, but excluding diesel inverts (in accordance with section 2.3)• aqueous liquid fractions of spent sweetening agents – neutralized (Cansweet 200,300, 300SX, 500, SulphaCheck, Sulfa-scrub)• amine filter backwash (eg. MEA, DBA, MDEA)• sulphur block run-off water - neutralized• inorganic salts used in heat exchange medium (eg. sodium/potassium nitrates/nitrites), properly solubilized using an existing aqueous waste stream• waste fluids from drilling operations (i.e. used in or originating from the wellbore)• spent workover or stimulation fluids (after neutralization and/or processing to recover hydrocarbons)• glycol solutions as obtained from dehydration operations• methanol or hydro-test solutions• acidic or alkaline solutions (neutralized) with heavy metal concentrations at or below the levels given in Schedule 1• gas scrubber or absorption tower bottom liquids (neutralized) with heavy metal concentrations at or below the levels of Schedule 1• washing waste water (i.e. detergent or soap wastes)• corrosion inhibitor solutions with heavy metal concentrations at or below Schedule 1 levels• oxygen scavenger solutions with heavy metal concentrations at or below Schedule 1 levels <p>A waste fluid that is not specifically listed above is suitable for disposal in a Class Ib well if it meets the following criteria:</p> <ul style="list-style-type: none">• has a pH between 6.0 and 9.0⁽¹⁾;• has a flash point greater than 61 °C ⁽²⁾, unless<ul style="list-style-type: none">i) is an untreatable sand or crude oil/water emulsion⁽³⁾, orii) is an antifreeze or dehydration fluid⁽⁴⁾;• has heavy metal concentrations at or below the levels specified in Schedule 1 ⁽⁵⁾; and• has a total combined concentration of halogenated organic compounds of less than 100 mg/kg⁽⁵⁾. <p>In addition to meeting the above criteria, information on the types and sources of wastes intended for disposal must be disclosed in the application for the disposal scheme. The information must support that the quality of the wastes is appropriate for the intended disposal zone based on well bore design/conditions, containment/isolation within the intended disposal zone, and protection of non-saline water sources. The AER will consider the information on a case-by-case basis while also considering other applicable provincial and federal acts and regulations, as well as information from other jurisdictions on deep-well disposal.</p>
Target Formation:	Cardium
Need for Proposed Development, Existing and Future Plans:	Dragos Energy requires disposal for 3 rd party produced water and oilfield waste within the Gold Creek Kakwa Area, Alberta.

Expected Substance Type:	<input checked="" type="checkbox"/> Oilfield/Industrial Wastes (Class Ia) <input checked="" type="checkbox"/> produced water/specified wastes (Class II) <input type="checkbox"/> All
Construction & Soil Conservation	Operational needs and environmental considerations will guide construction practices. Normal lease and access road construction practices involve separate stripping and storage of the A and B soil horizons. In the treed areas, the lease will be maintained in a manner to allow for eventual tree and bush regrowth. Efforts will be made to maintain topsoil quality, control weeds and minimize the number of trees and land that is disturbed. Upon abandonment, the following drilling of a “dry hole” or after the well has reached economic limit, the lease will be reclaimed in accordance with provincial regulations as dictated by Alberta Environment.
On-Site Equipment Required:	If the well is successful, the site will be equipped with tanks, pump and filter equipment, and constructed for ongoing injection purposes.
Potential Flaring Operations:	During drilling and completion operations, there is no potential for flaring/venting where no further notification is required.
Potential Emissions & Odours:	No significant odor emission during drilling and completion operations is anticipated.
Safety and Scheduling:	The wells will be equipped with standard oilfield safety equipment during each of the recompletion, equipping and ongoing operation phases. We anticipate commencing recompletion operations in Q3-2018 and expect the recompletion to take between 8-12days . If successful, the well will then be equipped with tank storage and fluid injection equipment. We anticipate this to take 30 days .
Anticipated Noise:	The noise associated with the drilling and completion operations will be temporary in nature and we will adhere to the regulations set out in Directive 038 (Noise Control Directive) that defines permissible sound levels for all activities associated with oil and gas operations. Noise generated by production equipment will be controlled and meet all AER regulations.
Traffic Impacts:	All associated traffic will travel along the leased access road. Drivers will be made aware of traffic concerns and we will strive to ensure the speed of all associated traffic is within safe and legal limits. Completion operations will require 3-4 loads of equipment and service vehicle traffic. Traffic during the ongoing operation phase will include multiple tank trucks daily and various service equipment as required.
Emergency Response Plan:	The proposed well is going to be completed in the Cardium which has no potential for H ₂ S. The Cardium zone in the area is a water wet zone with minimal to no hydrocarbons. The Cardium zone is over-pressured but is intended for the purpose of disposal and thus is not expected to produce or flow to surface at any time during operations. The Emergency Planning Radius is 0m from well center, a Site-Specific Emergency Response Plan will be present on location. Dragos Energy will follow its Corporate Emergency Response Plan in the unlikely event of an emergency during the drilling, completion or operation of the proposed well. Dragos Energy stands behind its reputation of drilling, operating and constructing high standard facilities designed to meet or exceed all AER, safety and environmental protection guidelines and regulations.
H₂S Concentration:	<u>00.0 mol/kmol</u> Emergency Planning Radius: <u>0.000 km</u> Release Rate: <u>0.0000m³/s</u>
Setbacks:	As with all wells, pipelines and facilities, there are setbacks put in place as a minimum distance between an energy facility and a dwelling, public facility, rural housing project or urban center. Simply put, setbacks prevent populated areas from developing too close to energy facilities or energy facilities getting too close to people. No development will be permitted within 100 meters of the well head unless all applicable relaxation consents can be obtained. Contact your local municipality for further details on their specific development setbacks and relaxation policies.
Hydraulic Isolation	Disposal approvals specify the disposal zone and limit injection to that zone only. Migration of disposal fluids to other zones is highly undesirable. Dragos Energy will provide the necessary logs, including pressure testing, and additional information to AER to confirm that there is no flow of injected fluid behind casing or associated aquifers based upon the initial pressure of the zone.

Emergency Planning & Emergency Contact Information:

Dragos Energy has a corporate Emergency Response Plan in place. The emergency contact number for Dragos Energy is **403-269-2459**. A site-specific emergency response plan is not required for this facility as per AER guidelines.

It is Dragos Energy Corporations intention to make application to the Alberta Energy Regulator for the approval of the above project a minimum of **14 calendar days** after the date of this letter.

As part of this information package please find enclosed the following documentation for your review:

- Survey Plan
- Plot Plan
- Radius Map
- Letter from the Chairman of the ERCB
- the ERCB brochure Understanding Oil and Gas Development in Alberta,
- EnerFAQs No. 7: Proposed Oil and Gas Development: A Landowner's Guide,
- the ERCB publication EnerFAQs No. 15: Objecting to an Energy Resource Project and the form Objecting to an Energy Resource Project, and

EnerFAQs

Further to the foregoing information, available online through AER Public Information, please contact the undersigned or these may be downloaded from AER's website at: <http://www.aer.ca/about-aer/enerfaqs>

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- Expressing Your Concerns – How to File a Statement of Concern About an Energy Resource Project
- How to Register a Private Surface Agreement

This notice is being provided to you pursuant to AER *Directive 051: Injection and Disposal Wells – Well Classifications, Completions, Logging, and Testing Requirements* and *Directive 065: Resources Applications for Oil and Gas Reservoirs* requirements. Should you require further information or clarification regarding this or any other proposed development by Dragos Energy Corporation please contact the Clint Jenson (COO) directly at **403-519-3497**.

Sincerely,

Dragos Energy Corporation

BY ITS AGENT, CANADA WEST LAND SERVICES LTD.



Melissa Enns



Dragos Energy Corp.
750 – 340 12th Ave SW
Calgary, AB, T2R 1L5
403-269-2459

June 21, 2018

Disposition Holder: **PNT 700657 and PNT 840076**

Via Regular Mail

GRANDE PRAIRIE OFFICE - RANGELAND DISTRICT - LANDS DIVISION

10320 99 St Room 2201, PO Box 14
Grande Prairie, Alberta T8V 6J4

Re: PROPOSED RECOMPLETION AND DISPOSAL WELL INFORMATION LETTER
LANDS: SE25-069-06W6
WELL NAME: PROGRESS GOLDCK7-25-69-6
SURFACE LOCATION: 07-25-069-06W6

Dragos Energy Corporation (“Dragos”) is proposing to make application to Alberta Energy Regulator (“AER”) for approval to recompleate an existing well located at 07-25-069-06W6M for Class II and Ib disposal (as shown on the attached plot plan).

In accordance with AER *Directive 051: Injection and Disposal Wells – Well Classifications, Completions, Logging, and Testing Requirements* and *Directive 065: Resources Applications for Oil and Gas Reservoirs* Dragos is providing you with the following public notification and consultation document.

The wells total vertical depth will be approx. **1295.0 m** and will be recompleted and operated in accordance with good oilfield practices as well as Alberta Environment and AER regulations. The following table summarizes the AER regulations for this well:

Description	Industry/Public Notification	Disclosure/Notification Radius
Produced Water Disposal (Class Ib)	Industry <ul style="list-style-type: none">• Unit operator (if applicable)• Approval holder of scheme• All well licensees, including those of abandoned wells• All mineral lessees• All mineral lessors Public <ul style="list-style-type: none">• Landowners and occupants	A radius of 1.6 km from the proposed disposal well where the disposal zone is known to be present A radius of 0.5 km

Specific information relative to this project is detailed below:

General Inquiries and Contact Persons:	Company (Drilling) Representative: Steve Laidlaw	Telephone No: (403)-869-9790
	Surface Land: Clint Jensen	Telephone No: (403) 519-3497
	Field Operations: Clint Jensen	Telephone No: (403) 519-3497
	Field/Construction Representative Clint Jensen	Telephone No: (403) 519-3497
Emergency Contact:	DRAGOS Main Line (24 hours)	Telephone No: (403) 269-2459
Surface Facility / Location:	SE 25-069-06W6	
General Description of Project:	DRAGOS proposes tor complete one (1) existing vertical well for Class II and Ib disposal located at7-25-69-6W6M.The disposal zone target formation (Cardium) does not contain H2S. Once approval has been granted, a service rig will be moved onto the location to complete and equip the well for disposal of water.	
Category / Type:	Category: Class II and Class Ib	

(From AER D51)	<p>Description: Class II</p> <p>Disposal refers to the injection of fluids into underground formations for purposes other than enhanced recovery or gas storage.</p> <p>Fluids included in a Class II disposal scheme may include:</p> <ul style="list-style-type: none">• Produced water associated with the recovery of oil, bitumen, gas, or coalbed methane• Brine from salt cavern or solution mining operations• Water-based pigging fluids from cleaning of collection and injection lines• Brine reject or backwash from water softeners associated with enhanced recovery• Water containing polymers or other chemicals for enhanced recovery• Waste fluids from circulation during well cementing• CaCl₂ water <p>Description: Class Ib</p> <p>List:</p> <ul style="list-style-type: none">• saline fluids as obtained from oilfield waste processing facilities, oilfield tank washing operations, oil spill containment and recovery, or similar operations• boiler blowdown water• liquid fraction of drilling muds, including KC1 muds, but excluding diesel inverts (in accordance with section 2.3)• aqueous liquid fractions of spent sweetening agents – neutralized (Cansweet 200,300, 300SX, 500, SulphaCheck, Sulfa-scrub)• amine filter backwash (eg. MEA, DBA, MDEA)• sulphur block run-off water - neutralized• inorganic salts used in heat exchange medium (eg. sodium/potassium nitrates/nitrites), properly solubilized using an existing aqueous waste stream• waste fluids from drilling operations (i.e. used in or originating from the wellbore)• spent workover or stimulation fluids (after neutralization and/or processing to recover hydrocarbons)• glycol solutions as obtained from dehydration operations• methanol or hydro-test solutions• acidic or alkaline solutions (neutralized) with heavy metal concentrations at or below the levels given in Schedule 1• gas scrubber or absorption tower bottom liquids (neutralized) with heavy metal concentrations at or below the levels of Schedule 1• washing waste water (i.e. detergent or soap wastes)• corrosion inhibitor solutions with heavy metal concentrations at or below Schedule 1 levels• oxygen scavenger solutions with heavy metal concentrations at or below Schedule 1 levels <p>A waste fluid that is not specifically listed above is suitable for disposal in a Class Ib well if it meets the following criteria:</p> <ul style="list-style-type: none">• has a pH between 6.0 and 9.0⁽¹⁾;• has a flash point greater than 61 °C ⁽²⁾, unless<ul style="list-style-type: none">i) is an untreatable sand or crude oil/water emulsion⁽³⁾, orii) is an antifreeze or dehydration fluid⁽⁴⁾;• has heavy metal concentrations at or below the levels specified in Schedule 1 ⁽⁵⁾; and• has a total combined concentration of halogenated organic compounds of less than 100 mg/kg⁽⁵⁾. <p>In addition to meeting the above criteria, information on the types and sources of wastes intended for disposal must be disclosed in the application for the disposal scheme. The information must support that the quality of the wastes is appropriate for the intended disposal zone based on well bore design/conditions, containment/isolation within the intended disposal zone, and protection of non-saline water sources. The AER will consider the information on a case-by-case basis while also considering other applicable provincial and federal acts and regulations, as well as information from other jurisdictions on deep-well disposal.</p>
Target Formation:	Cardium
Need for Proposed Development, Existing and Future Plans:	Dragos Energy requires disposal for 3 rd party produced water and oilfield waste within the Gold Creek Kakwa Area, Alberta.

Expected Substance Type:	<input checked="" type="checkbox"/> Oilfield/Industrial Wastes (Class Ia) <input checked="" type="checkbox"/> produced water/specified wastes (Class II) <input type="checkbox"/> All
Construction & Soil Conservation	Operational needs and environmental considerations will guide construction practices. Normal lease and access road construction practices involve separate stripping and storage of the A and B soil horizons. In the treed areas, the lease will be maintained in a manner to allow for eventual tree and bush regrowth. Efforts will be made to maintain topsoil quality, control weeds and minimize the number of trees and land that is disturbed. Upon abandonment, the following drilling of a “dry hole” or after the well has reached economic limit, the lease will be reclaimed in accordance with provincial regulations as dictated by Alberta Environment.
On-Site Equipment Required:	If the well is successful, the site will be equipped with tanks, pump and filter equipment, and constructed for ongoing injection purposes.
Potential Flaring Operations:	During drilling and completion operations, there is no potential for flaring/venting where no further notification is required.
Potential Emissions & Odours:	No significant odor emission during drilling and completion operations is anticipated.
Safety and Scheduling:	The wells will be equipped with standard oilfield safety equipment during each of the recompletion, equipping and ongoing operation phases. We anticipate commencing recompletion operations in Q3-2018 and expect the recompletion to take between 8-12days . If successful, the well will then be equipped with tank storage and fluid injection equipment. We anticipate this to take 30 days .
Anticipated Noise:	The noise associated with the drilling and completion operations will be temporary in nature and we will adhere to the regulations set out in Directive 038 (Noise Control Directive) that defines permissible sound levels for all activities associated with oil and gas operations. Noise generated by production equipment will be controlled and meet all AER regulations.
Traffic Impacts:	All associated traffic will travel along the leased access road. Drivers will be made aware of traffic concerns and we will strive to ensure the speed of all associated traffic is within safe and legal limits. Completion operations will require 3-4 loads of equipment and service vehicle traffic. Traffic during the ongoing operation phase will include multiple tank trucks daily and various service equipment as required.
Emergency Response Plan:	The proposed well is going to be completed in the Cardium which has no potential for H ₂ S. The Cardium zone in the area is a water wet zone with minimal to no hydrocarbons. The Cardium zone is over-pressured but is intended for the purpose of disposal and thus is not expected to produce or flow to surface at any time during operations. The Emergency Planning Radius is 0m from well center, a Site-Specific Emergency Response Plan will be present on location. Dragos Energy will follow its Corporate Emergency Response Plan in the unlikely event of an emergency during the drilling, completion or operation of the proposed well. Dragos Energy stands behind its reputation of drilling, operating and constructing high standard facilities designed to meet or exceed all AER, safety and environmental protection guidelines and regulations.
H₂S Concentration:	<u>00.0 mol/kmol</u> Emergency Planning Radius: 0.000 km Release Rate: <u>0.0000m³/s</u>
Setbacks:	As with all wells, pipelines and facilities, there are setbacks put in place as a minimum distance between an energy facility and a dwelling, public facility, rural housing project or urban center. Simply put, setbacks prevent populated areas from developing too close to energy facilities or energy facilities getting too close to people. No development will be permitted within 100 meters of the well head unless all applicable relaxation consents can be obtained. Contact your local municipality for further details on their specific development setbacks and relaxation policies.
Hydraulic Isolation	Disposal approvals specify the disposal zone and limit injection to that zone only. Migration of disposal fluids to other zones is highly undesirable. Dragos Energy will provide the necessary logs, including pressure testing, and additional information to AER to confirm that there is no flow of injected fluid behind casing or associated aquifers based upon the initial pressure of the zone.

Emergency Planning & Emergency Contact Information:

Dragos Energy has a corporate Emergency Response Plan in place. The emergency contact number for Dragos Energy is **403-269-2459**. A site-specific emergency response plan is not required for this facility as per AER guidelines.

It is Dragos Energy Corporations intention to make application to the Alberta Energy Regulator for the approval of the above project a minimum of **14 calendar days** after the date of this letter.

As part of this information package please find enclosed the following documentation for your review:

- Survey Plan
- Plot Plan
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- the ERCB brochure Understanding Oil and Gas Development in Alberta,
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EnerFAQs

Further to the foregoing information, available online through AER Public Information, please contact the undersigned or these may be downloaded from AER's website at: <http://www.aer.ca/about-aer/enerfaqs>

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- Expressing Your Concerns – How to File a Statement of Concern About an Energy Resource Project
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This notice is being provided to you pursuant to AER *Directive 051: Injection and Disposal Wells – Well Classifications, Completions, Logging, and Testing Requirements* and *Directive 065: Resources Applications for Oil and Gas Reservoirs* requirements. Should you require further information or clarification regarding this or any other proposed development by Dragos Energy Corporation please contact the Clint Jenson (COO) directly at **403-519-3497**.

Sincerely,

Dragos Energy Corporation

BY ITS AGENT, CANADA WEST LAND SERVICES LTD.



Melissa Enns



Dragos Energy Corp.
750 – 340 12th Ave SW
Calgary, AB, T2R 1L5
403-269-2459

June 21, 2018

Disposition Holder: **PNT850276 and PNT840195**

Via Regular Mail

**GRANDE PRAIRIE OFFICE – LAND USE AREA-
LAND DIVISION DEPT. OF SUSTAINABLE RESOURCSE DEV**
10320 99 St
Grande Prairie, Alberta T8V 6J4

**Re: PROPOSED RECOMPLETION AND DISPOSAL WELL INFORMATION LETTER
LANDS: SE25-069-06W6
WELL NAME: PROGRESS GOLDCK7-25-69-6
SURFACE LOCATION: 07-25-069-06W6**

Dragos Energy Corporation (“Dragos”) is proposing to make application to Alberta Energy Regulator (“AER”) for approval to recomplete an existing well located at 07-25-069-06W6M for Class II and Ib disposal (as shown on the attached plot plan).

In accordance with AER *Directive 051: Injection and Disposal Wells – Well Classifications, Completions, Logging, and Testing Requirements* and *Directive 065: Resources Applications for Oil and Gas Reservoirs* Dragos is providing you with the following public notification and consultation document.

The wells total vertical depth will be approx. **1295.0 m** and will be recompleted and operated in accordance with good oilfield practices as well as Alberta Environment and AER regulations. The following table summarizes the AER regulations for this well:

Description	Industry/Public Notification	Disclosure/Notification Radius
Produced Water Disposal (Class Ib)	Industry <ul style="list-style-type: none">• Unit operator (if applicable)• Approval holder of scheme• All well licensees, including those of abandoned wells• All mineral lessees• All mineral lessors	A radius of 1.6 km from the proposed disposal well where the disposal zone is known to be present
	Public <ul style="list-style-type: none">• Landowners and occupants	A radius of 0.5 km

Specific information relative to this project is detailed below:

General Inquiries and Contact Persons:	Company (Drilling) Representative: Steve Laidlaw	Telephone No: (403)-869-9790
	Surface Land: Clint Jensen	Telephone No: (403) 519-3497
	Field Operations: Clint Jensen	Telephone No: (403) 519-3497
	Field/Construction Representative Clint Jensen	Telephone No: (403) 519-3497
Emergency Contact:	DRAGOS Main Line (24 hours)	Telephone No: (403) 269-2459
Surface Facility / Location:	SE 25-069-06W6	
General Description of Project:	DRAGOS proposes to complete one (1) existing vertical well for Class II and Ib disposal located at 07-25-69-06W6M. The disposal zone target formation (Cardium) does not contain H ₂ S. Once approval has been granted, a service rig will be moved onto the location to complete and equip the well for disposal of water.	
Category / Type:	Category: Class II and Class Ib	

(From AER D51)	<p>Description: Class II</p> <p>Disposal refers to the injection of fluids into underground formations for purposes other than enhanced recovery or gas storage.</p> <p>Fluids included in a Class II disposal scheme may include:</p> <ul style="list-style-type: none">• Produced water associated with the recovery of oil, bitumen, gas, or coalbed methane• Brine from salt cavern or solution mining operations• Water-based pigging fluids from cleaning of collection and injection lines• Brine reject or backwash from water softeners associated with enhanced recovery• Water containing polymers or other chemicals for enhanced recovery• Waste fluids from circulation during well cementing• CaCl₂ water <p>Description: Class Ib</p> <p>List:</p> <ul style="list-style-type: none">• saline fluids as obtained from oilfield waste processing facilities, oilfield tank washing operations, oil spill containment and recovery, or similar operations• boiler blowdown water• liquid fraction of drilling muds, including KC1 muds, but excluding diesel inverts (in accordance with section 2.3)• aqueous liquid fractions of spent sweetening agents – neutralized (Cansweet 200,300, 300SX, 500, SulphaCheck, Sulfa-scrub)• amine filter backwash (eg. MEA, DBA, MDEA)• sulphur block run-off water - neutralized• inorganic salts used in heat exchange medium (eg. sodium/potassium nitrates/nitrites), properly solubilized using an existing aqueous waste stream• waste fluids from drilling operations (i.e. used in or originating from the wellbore)• spent workover or stimulation fluids (after neutralization and/or processing to recover hydrocarbons)• glycol solutions as obtained from dehydration operations• methanol or hydro-test solutions• acidic or alkaline solutions (neutralized) with heavy metal concentrations at or below the levels given in Schedule 1• gas scrubber or absorption tower bottom liquids (neutralized) with heavy metal concentrations at or below the levels of Schedule 1• washing waste water (i.e. detergent or soap wastes)• corrosion inhibitor solutions with heavy metal concentrations at or below Schedule 1 levels• oxygen scavenger solutions with heavy metal concentrations at or below Schedule 1 levels <p>A waste fluid that is not specifically listed above is suitable for disposal in a Class Ib well if it meets the following criteria:</p> <ul style="list-style-type: none">• has a pH between 6.0 and 9.0⁽¹⁾;• has a flash point greater than 61 °C ⁽²⁾, unless<ul style="list-style-type: none">i) is an untreatable sand or crude oil/water emulsion⁽³⁾, orii) is an antifreeze or dehydration fluid⁽⁴⁾;• has heavy metal concentrations at or below the levels specified in Schedule 1 ⁽⁵⁾; and• has a total combined concentration of halogenated organic compounds of less than 100 mg/kg⁽⁵⁾. <p>In addition to meeting the above criteria, information on the types and sources of wastes intended for disposal must be disclosed in the application for the disposal scheme. The information must support that the quality of the wastes is appropriate for the intended disposal zone based on well bore design/conditions, containment/isolation within the intended disposal zone, and protection of non-saline water sources. The AER will consider the information on a case-by-case basis while also considering other applicable provincial and federal acts and regulations, as well as information from other jurisdictions on deep-well disposal.</p>
Target Formation:	Cardium
Need for Proposed Development, Existing and Future Plans:	Dragos Energy requires disposal for 3 rd party produced water and oilfield waste within the Gold Creek Kakwa Area, Alberta.

Expected Substance Type:	<input checked="" type="checkbox"/> Oilfield/Industrial Wastes (Class Ia) <input checked="" type="checkbox"/> produced water/specified wastes (Class II) <input type="checkbox"/> All
Construction & Soil Conservation	Operational needs and environmental considerations will guide construction practices. Normal lease and access road construction practices involve separate stripping and storage of the A and B soil horizons. In the treed areas, the lease will be maintained in a manner to allow for eventual tree and bush regrowth. Efforts will be made to maintain topsoil quality, control weeds and minimize the number of trees and land that is disturbed. Upon abandonment, the following drilling of a “dry hole” or after the well has reached economic limit, the lease will be reclaimed in accordance with provincial regulations as dictated by Alberta Environment.
On-Site Equipment Required:	If the well is successful, the site will be equipped with tanks, pump and filter equipment, and constructed for ongoing injection purposes.
Potential Flaring Operations:	During drilling and completion operations, there is no potential for flaring/venting where no further notification is required.
Potential Emissions & Odours:	No significant odor emission during drilling and completion operations is anticipated.
Safety and Scheduling:	The wells will be equipped with standard oilfield safety equipment during each of the recompletion, equipping and ongoing operation phases. We anticipate commencing recompletion operations in Q3-2018 and expect the recompletion to take between 8-12days . If successful, the well will then be equipped with tank storage and fluid injection equipment. We anticipate this to take 30 days .
Anticipated Noise:	The noise associated with the drilling and completion operations will be temporary in nature and we will adhere to the regulations set out in Directive 038 (Noise Control Directive) that defines permissible sound levels for all activities associated with oil and gas operations. Noise generated by production equipment will be controlled and meet all AER regulations.
Traffic Impacts:	All associated traffic will travel along the leased access road. Drivers will be made aware of traffic concerns and we will strive to ensure the speed of all associated traffic is within safe and legal limits. Completion operations will require 3-4 loads of equipment and service vehicle traffic. Traffic during the ongoing operation phase will include multiple tank trucks daily and various service equipment as required.
Emergency Response Plan:	The proposed well is going to be completed in the Cardium which has no potential for H ₂ S. The Cardium zone in the area is a water wet zone with minimal to no hydrocarbons. The Cardium zone is over-pressured but is intended for the purpose of disposal and thus is not expected to produce or flow to surface at any time during operations. The Emergency Planning Radius is 0m from well center, a Site-Specific Emergency Response Plan will be present on location. Dragos Energy will follow its Corporate Emergency Response Plan in the unlikely event of an emergency during the drilling, completion or operation of the proposed well. Dragos Energy stands behind its reputation of drilling, operating and constructing high standard facilities designed to meet or exceed all AER, safety and environmental protection guidelines and regulations.
H₂S Concentration:	<u>00.0 mol/kmol</u> Emergency Planning Radius: 0.000 km Release Rate: <u>0.0000m³/s</u>
Setbacks:	As with all wells, pipelines and facilities, there are setbacks put in place as a minimum distance between an energy facility and a dwelling, public facility, rural housing project or urban center. Simply put, setbacks prevent populated areas from developing too close to energy facilities or energy facilities getting too close to people. No development will be permitted within 100 meters of the well head unless all applicable relaxation consents can be obtained. Contact your local municipality for further details on their specific development setbacks and relaxation policies.
Hydraulic Isolation	Disposal approvals specify the disposal zone and limit injection to that zone only. Migration of disposal fluids to other zones is highly undesirable. Dragos Energy will provide the necessary logs, including pressure testing, and additional information to AER to confirm that there is no flow of injected fluid behind casing or associated aquifers based upon the initial pressure of the zone.

Emergency Planning & Emergency Contact Information:

Dragos Energy has a corporate Emergency Response Plan in place. The emergency contact number for Dragos Energy is **403-269-2459**. A site-specific emergency response plan is not required for this facility as per AER guidelines.

It is Dragos Energy Corporations intention to make application to the Alberta Energy Regulator for the approval of the above project a minimum of **14 calendar days** after the date of this letter.

As part of this information package please find enclosed the following documentation for your review:

- Survey Plan
- Plot Plan
- Radius Map
- Letter from the Chairman of the ERCB
- the ERCB brochure Understanding Oil and Gas Development in Alberta,
- EnerFAQs No. 7: Proposed Oil and Gas Development: A Landowner's Guide,
- the ERCB publication EnerFAQs No. 15: Objecting to an Energy Resource Project and the form Objecting to an Energy Resource Project, and

EnerFAQs

Further to the foregoing information, available online through AER Public Information, please contact the undersigned or these may be downloaded from AER's website at: <http://www.aer.ca/about-aer/enerfaqs>

- What is the AER?
- Having Your Say at an AER Hearing
- Inspections and Enforcement of Energy Developments in Alberta
- All About Critical Sour Wells
- Explaining AER Setbacks
- Flaring and Incineration
- Proposed Oil and Gas Wells, Pipelines, and Facilities: A Landowner's Guide
- The AER and You: Agreements, Commitments, and Conditions
- All About Alternative Dispute Resolution (ADR)
- Oil Sands
- Expressing Your Concerns – How to File a Statement of Concern About an Energy Resource Project
- How to Register a Private Surface Agreement

This notice is being provided to you pursuant to AER *Directive 051: Injection and Disposal Wells – Well Classifications, Completions, Logging, and Testing Requirements* and *Directive 065: Resources Applications for Oil and Gas Reservoirs* requirements. Should you require further information or clarification regarding this or any other proposed development by Dragos Energy Corporation please contact the Clint Jenson (COO) directly at **403-519-3497**.

Sincerely,

Dragos Energy Corporation

BY ITS AGENT, CANADA WEST LAND SERVICES LTD.



Melissa Enns



Dragos Energy Corp.
750 – 340 12th Ave SW
Calgary, AB, T2R 1L5
403-269-2459

June 21, 2018

Disposition Holder: **PNT850279 and PNT850539**

Via Regular Mail

GRANDE PRAIRIE OFFICE - FISH AND WILDLIFE DEPT. OF SUSTAINABLE RESOURCE DEV

Box 23, 10320 99 St Suite 1601
Grande Prairie, Alberta T8V 6J4

Re: PROPOSED RECOMPLETION AND DISPOSAL WELL INFORMATION LETTER
LANDS: SE25-069-06W6
WELL NAME: PROGRESS GOLDCK7-25-69-6
SURFACE LOCATION: 07-25-069-06W6

Dragos Energy Corporation (“Dragos”) is proposing to make application to Alberta Energy Regulator (“AER”) for approval to recompleate an existing well located at 07-25-069-06W6M for Class II and Ib disposal (as shown on the attached plot plan).

In accordance with AER *Directive 051: Injection and Disposal Wells – Well Classifications, Completions, Logging, and Testing Requirements* and *Directive 065: Resources Applications for Oil and Gas Reservoirs* Dragos is providing you with the following public notification and consultation document.

The wells total vertical depth will be approx. **1295.0 m** and will be recompleted and operated in accordance with good oilfield practices as well as Alberta Environment and AER regulations. The following table summarizes the AER regulations for this well:

Description	Industry/Public Notification	Disclosure/Notification Radius
Produced Water Disposal (Class Ib)	Industry <ul style="list-style-type: none">• Unit operator (if applicable)• Approval holder of scheme• All well licensees, including those of abandoned wells• All mineral lessees• All mineral lessors Public <ul style="list-style-type: none">• Landowners and occupants	A radius of 1.6 km from the proposed disposal well where the disposal zone is known to be present A radius of 0.5 km

Specific information relative to this project is detailed below:

General Inquiries and Contact Persons:	Company (Drilling) Representative: Steve Laidlaw	Telephone No: (403)-869-9790
	Surface Land: Clint Jensen	Telephone No: (403) 519-3497
	Field Operations: Clint Jensen	Telephone No: (403) 519-3497
	Field/Construction Representative Clint Jensen	Telephone No: (403) 519-3497
Emergency Contact:	DRAGOS Main Line (24 hours)	Telephone No: (403) 269-2459
Surface Facility / Location:	SE 25-069-06W6	
General Description of Project:	DRAGOS proposes tor complete one (1) existing vertical well for Class II and Ib disposal located at7-25-69-6W6M.The disposal zone target formation (Cardium) does not contain H2S. Once approval has been granted, a service rig will be moved onto the location to complete and equip the well for disposal of water.	
Category / Type:	Category: Class II and Class Ib	

(From AER D51)	<p>Description: Class II</p> <p>Disposal refers to the injection of fluids into underground formations for purposes other than enhanced recovery or gas storage.</p> <p>Fluids included in a Class II disposal scheme may include:</p> <ul style="list-style-type: none">• Produced water associated with the recovery of oil, bitumen, gas, or coalbed methane• Brine from salt cavern or solution mining operations• Water-based pigging fluids from cleaning of collection and injection lines• Brine reject or backwash from water softeners associated with enhanced recovery• Water containing polymers or other chemicals for enhanced recovery• Waste fluids from circulation during well cementing• CaCl₂ water <p>Description: Class Ib</p> <p>List:</p> <ul style="list-style-type: none">• saline fluids as obtained from oilfield waste processing facilities, oilfield tank washing operations, oil spill containment and recovery, or similar operations• boiler blowdown water• liquid fraction of drilling muds, including KC1 muds, but excluding diesel inverts (in accordance with section 2.3)• aqueous liquid fractions of spent sweetening agents – neutralized (Cansweet 200,300, 300SX, 500, SulphaCheck, Sulfa-scrub)• amine filter backwash (eg. MEA, DBA, MDEA)• sulphur block run-off water - neutralized• inorganic salts used in heat exchange medium (eg. sodium/potassium nitrates/nitrites), properly solubilized using an existing aqueous waste stream• waste fluids from drilling operations (i.e. used in or originating from the wellbore)• spent workover or stimulation fluids (after neutralization and/or processing to recover hydrocarbons)• glycol solutions as obtained from dehydration operations• methanol or hydro-test solutions• acidic or alkaline solutions (neutralized) with heavy metal concentrations at or below the levels given in Schedule 1• gas scrubber or absorption tower bottom liquids (neutralized) with heavy metal concentrations at or below the levels of Schedule 1• washing waste water (i.e. detergent or soap wastes)• corrosion inhibitor solutions with heavy metal concentrations at or below Schedule 1 levels• oxygen scavenger solutions with heavy metal concentrations at or below Schedule 1 levels <p>A waste fluid that is not specifically listed above is suitable for disposal in a Class Ib well if it meets the following criteria:</p> <ul style="list-style-type: none">• has a pH between 6.0 and 9.0⁽¹⁾;• has a flash point greater than 61 °C ⁽²⁾, unless<ul style="list-style-type: none">i) is an untreatable sand or crude oil/water emulsion⁽³⁾, orii) is an antifreeze or dehydration fluid⁽⁴⁾;• has heavy metal concentrations at or below the levels specified in Schedule 1 ⁽⁵⁾; and• has a total combined concentration of halogenated organic compounds of less than 100 mg/kg⁽⁵⁾. <p>In addition to meeting the above criteria, information on the types and sources of wastes intended for disposal must be disclosed in the application for the disposal scheme. The information must support that the quality of the wastes is appropriate for the intended disposal zone based on well bore design/conditions, containment/isolation within the intended disposal zone, and protection of non-saline water sources. The AER will consider the information on a case-by-case basis while also considering other applicable provincial and federal acts and regulations, as well as information from other jurisdictions on deep-well disposal.</p>
Target Formation:	Cardium
Need for Proposed Development, Existing and Future Plans:	Dragos Energy requires disposal for 3 rd party produced water and oilfield waste within the Gold Creek Kakwa Area, Alberta.

Expected Substance Type:	<input checked="" type="checkbox"/> Oilfield/Industrial Wastes (Class Ia) <input checked="" type="checkbox"/> produced water/specified wastes (Class II) <input type="checkbox"/> All
Construction & Soil Conservation	Operational needs and environmental considerations will guide construction practices. Normal lease and access road construction practices involve separate stripping and storage of the A and B soil horizons. In the treed areas, the lease will be maintained in a manner to allow for eventual tree and bush regrowth. Efforts will be made to maintain topsoil quality, control weeds and minimize the number of trees and land that is disturbed. Upon abandonment, the following drilling of a “dry hole” or after the well has reached economic limit, the lease will be reclaimed in accordance with provincial regulations as dictated by Alberta Environment.
On-Site Equipment Required:	If the well is successful, the site will be equipped with tanks, pump and filter equipment, and constructed for ongoing injection purposes.
Potential Flaring Operations:	During drilling and completion operations, there is no potential for flaring/venting where no further notification is required.
Potential Emissions & Odours:	No significant odor emission during drilling and completion operations is anticipated.
Safety and Scheduling:	The wells will be equipped with standard oilfield safety equipment during each of the recompletion, equipping and ongoing operation phases. We anticipate commencing recompletion operations in Q3-2018 and expect the recompletion to take between 8-12days . If successful, the well will then be equipped with tank storage and fluid injection equipment. We anticipate this to take 30 days .
Anticipated Noise:	The noise associated with the drilling and completion operations will be temporary in nature and we will adhere to the regulations set out in Directive 038 (Noise Control Directive) that defines permissible sound levels for all activities associated with oil and gas operations. Noise generated by production equipment will be controlled and meet all AER regulations.
Traffic Impacts:	All associated traffic will travel along the leased access road. Drivers will be made aware of traffic concerns and we will strive to ensure the speed of all associated traffic is within safe and legal limits. Completion operations will require 3-4 loads of equipment and service vehicle traffic. Traffic during the ongoing operation phase will include multiple tank trucks daily and various service equipment as required.
Emergency Response Plan:	The proposed well is going to be completed in the Cardium which has no potential for H ₂ S. The Cardium zone in the area is a water wet zone with minimal to no hydrocarbons. The Cardium zone is over-pressured but is intended for the purpose of disposal and thus is not expected to produce or flow to surface at any time during operations. The Emergency Planning Radius is 0m from well center, a Site-Specific Emergency Response Plan will be present on location. Dragos Energy will follow its Corporate Emergency Response Plan in the unlikely event of an emergency during the drilling, completion or operation of the proposed well. Dragos Energy stands behind its reputation of drilling, operating and constructing high standard facilities designed to meet or exceed all AER, safety and environmental protection guidelines and regulations.
H₂S Concentration:	<u>00.0 mol/kmol</u> Emergency Planning Radius: 0.000 km Release Rate: <u>0.0000m³/s</u>
Setbacks:	As with all wells, pipelines and facilities, there are setbacks put in place as a minimum distance between an energy facility and a dwelling, public facility, rural housing project or urban center. Simply put, setbacks prevent populated areas from developing too close to energy facilities or energy facilities getting too close to people. No development will be permitted within 100 meters of the well head unless all applicable relaxation consents can be obtained. Contact your local municipality for further details on their specific development setbacks and relaxation policies.
Hydraulic Isolation	Disposal approvals specify the disposal zone and limit injection to that zone only. Migration of disposal fluids to other zones is highly undesirable. Dragos Energy will provide the necessary logs, including pressure testing, and additional information to AER to confirm that there is no flow of injected fluid behind casing or associated aquifers based upon the initial pressure of the zone.

Emergency Planning & Emergency Contact Information:

Dragos Energy has a corporate Emergency Response Plan in place. The emergency contact number for Dragos Energy is **403-269-2459**. A site-specific emergency response plan is not required for this facility as per AER guidelines.

It is Dragos Energy Corporations intention to make application to the Alberta Energy Regulator for the approval of the above project a minimum of **14 calendar days** after the date of this letter.

As part of this information package please find enclosed the following documentation for your review:

- Survey Plan
- Plot Plan
- Radius Map
- Letter from the Chairman of the ERCB
- the ERCB brochure Understanding Oil and Gas Development in Alberta,
- EnerFAQs No. 7: Proposed Oil and Gas Development: A Landowner's Guide,
- the ERCB publication EnerFAQs No. 15: Objecting to an Energy Resource Project and the form Objecting to an Energy Resource Project, and

EnerFAQs

Further to the foregoing information, available online through AER Public Information, please contact the undersigned or these may be downloaded from AER's website at: <http://www.aer.ca/about-aer/enerfaqs>

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This notice is being provided to you pursuant to AER *Directive 051: Injection and Disposal Wells – Well Classifications, Completions, Logging, and Testing Requirements* and *Directive 065: Resources Applications for Oil and Gas Reservoirs* requirements. Should you require further information or clarification regarding this or any other proposed development by Dragos Energy Corporation please contact the Clint Jenson (COO) directly at **403-519-3497**.

Sincerely,

Dragos Energy Corporation

BY ITS AGENT, CANADA WEST LAND SERVICES LTD.



Melissa Enns



Dragos Energy Corp.
750 – 340 12th Ave SW
Calgary, AB, T2R 1L5
403-269-2459

June 21, 2018

Stakeholder

Via Regular Mail

PROGRESS ENERGY CANADA LTD.

1600, 215 2nd St SW
Calgary, Alberta T2P 1M4

Re: PROPOSED RECOMPLETION AND DISPOSAL WELL INFORMATION LETTER
LANDS: SE25-069-06W6
WELL NAME: PROGRESS GOLDCK7-25-69-6
SURFACE LOCATION: 07-25-069-06W6

Dragos Energy Corporation (“Dragos”) is proposing to make application to Alberta Energy Regulator (“AER”) for approval to recomplete an existing well located at 07-25-069-06W6M for Class II and Ib disposal (as shown on the attached plot plan).

In accordance with AER *Directive 051: Injection and Disposal Wells – Well Classifications, Completions, Logging, and Testing Requirements* and *Directive 065: Resources Applications for Oil and Gas Reservoirs* Dragos is providing you with the following public notification and consultation document.

The wells total vertical depth will be approx. **1295.0 m** and will be recompleted and operated in accordance with good oilfield practices as well as Alberta Environment and AER regulations. The following table summarizes the AER regulations for this well:

Description	Industry/Public Notification	Disclosure/Notification Radius
Produced Water Disposal (Class Ib)	Industry <ul style="list-style-type: none">• Unit operator (if applicable)• Approval holder of scheme• All well licensees, including those of abandoned wells• All mineral lessees• All mineral lessors	A radius of 1.6 km from the proposed disposal well where the disposal zone is known to be present
	Public <ul style="list-style-type: none">• Landowners and occupants	A radius of 0.5 km

Specific information relative to this project is detailed below:

General Inquiries and Contact Persons:	Company (Drilling) Representative: Steve Laidlaw	Telephone No: (403)-869-9790
	Surface Land: Clint Jensen	Telephone No: (403) 519-3497
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Emergency Contact:	DRAGOS Main Line (24 hours)	Telephone No: (403) 269-2459
Surface Facility / Location:	SE 25-069-06W6	
General Description of Project:	DRAGOS proposes to complete one (1) existing vertical well for Class II and Ib disposal located at 07-25-069-06W6M. The disposal zone target formation (Cardium) does not contain H ₂ S. Once approval has been granted, a service rig will be moved onto the location to complete and equip the well for disposal of water.	
Category / Type:	Category: Class II and Class Ib	

(From AER D51)	<p>Description: Class II</p> <p>Disposal refers to the injection of fluids into underground formations for purposes other than enhanced recovery or gas storage.</p> <p>Fluids included in a Class II disposal scheme may include:</p> <ul style="list-style-type: none">• Produced water associated with the recovery of oil, bitumen, gas, or coalbed methane• Brine from salt cavern or solution mining operations• Water-based pigging fluids from cleaning of collection and injection lines• Brine reject or backwash from water softeners associated with enhanced recovery• Water containing polymers or other chemicals for enhanced recovery• Waste fluids from circulation during well cementing• CaCl₂ water <p>Description: Class Ib</p> <p>List:</p> <ul style="list-style-type: none">• saline fluids as obtained from oilfield waste processing facilities, oilfield tank washing operations, oil spill containment and recovery, or similar operations• boiler blowdown water• liquid fraction of drilling muds, including KC1 muds, but excluding diesel inverts (in accordance with section 2.3)• aqueous liquid fractions of spent sweetening agents – neutralized (Cansweet 200,300, 300SX, 500, SulphaCheck, Sulfa-scrub)• amine filter backwash (eg. MEA, DBA, MDEA)• sulphur block run-off water - neutralized• inorganic salts used in heat exchange medium (eg. sodium/potassium nitrates/nitrites), properly solubilized using an existing aqueous waste stream• waste fluids from drilling operations (i.e. used in or originating from the wellbore)• spent workover or stimulation fluids (after neutralization and/or processing to recover hydrocarbons)• glycol solutions as obtained from dehydration operations• methanol or hydro-test solutions• acidic or alkaline solutions (neutralized) with heavy metal concentrations at or below the levels given in Schedule 1• gas scrubber or absorption tower bottom liquids (neutralized) with heavy metal concentrations at or below the levels of Schedule 1• washing waste water (i.e. detergent or soap wastes)• corrosion inhibitor solutions with heavy metal concentrations at or below Schedule 1 levels• oxygen scavenger solutions with heavy metal concentrations at or below Schedule 1 levels <p>A waste fluid that is not specifically listed above is suitable for disposal in a Class Ib well if it meets the following criteria:</p> <ul style="list-style-type: none">• has a pH between 6.0 and 9.0⁽¹⁾;• has a flash point greater than 61 °C ⁽²⁾, unless<ul style="list-style-type: none">i) is an untreatable sand or crude oil/water emulsion⁽³⁾, orii) is an antifreeze or dehydration fluid⁽⁴⁾;• has heavy metal concentrations at or below the levels specified in Schedule 1 ⁽⁵⁾; and• has a total combined concentration of halogenated organic compounds of less than 100 mg/kg⁽⁵⁾. <p>In addition to meeting the above criteria, information on the types and sources of wastes intended for disposal must be disclosed in the application for the disposal scheme. The information must support that the quality of the wastes is appropriate for the intended disposal zone based on well bore design/conditions, containment/isolation within the intended disposal zone, and protection of non-saline water sources. The AER will consider the information on a case-by-case basis while also considering other applicable provincial and federal acts and regulations, as well as information from other jurisdictions on deep-well disposal.</p>
Target Formation:	Cardium
Need for Proposed Development, Existing and Future Plans:	Dragos Energy requires disposal for 3 rd party produced water and oilfield waste within the Gold Creek Kakwa Area, Alberta.

Expected Substance Type:	<input checked="" type="checkbox"/> Oilfield/Industrial Wastes (Class Ia) <input checked="" type="checkbox"/> produced water/specified wastes (Class II) <input type="checkbox"/> All
Construction & Soil Conservation	Operational needs and environmental considerations will guide construction practices. Normal lease and access road construction practices involve separate stripping and storage of the A and B soil horizons. In the treed areas, the lease will be maintained in a manner to allow for eventual tree and bush regrowth. Efforts will be made to maintain topsoil quality, control weeds and minimize the number of trees and land that is disturbed. Upon abandonment, the following drilling of a “dry hole” or after the well has reached economic limit, the lease will be reclaimed in accordance with provincial regulations as dictated by Alberta Environment.
On-Site Equipment Required:	If the well is successful, the site will be equipped with tanks, pump and filter equipment, and constructed for ongoing injection purposes.
Potential Flaring Operations:	During drilling and completion operations, there is no potential for flaring/venting where no further notification is required.
Potential Emissions & Odours:	No significant odor emission during drilling and completion operations is anticipated.
Safety and Scheduling:	The wells will be equipped with standard oilfield safety equipment during each of the recompletion, equipping and ongoing operation phases. We anticipate commencing recompletion operations in Q3-2018 and expect the recompletion to take between 8-12days . If successful, the well will then be equipped with tank storage and fluid injection equipment. We anticipate this to take 30 days .
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Emergency Response Plan:	The proposed well is going to be completed in the Cardium which has no potential for H ₂ S. The Cardium zone in the area is a water wet zone with minimal to no hydrocarbons. The Cardium zone is over-pressured but is intended for the purpose of disposal and thus is not expected to produce or flow to surface at any time during operations. The Emergency Planning Radius is 0m from well center, a Site-Specific Emergency Response Plan will be present on location. Dragos Energy will follow its Corporate Emergency Response Plan in the unlikely event of an emergency during the drilling, completion or operation of the proposed well. Dragos Energy stands behind its reputation of drilling, operating and constructing high standard facilities designed to meet or exceed all AER, safety and environmental protection guidelines and regulations.
H₂S Concentration:	<u>00.0 mol/kmol</u> Emergency Planning Radius: 0.000 km Release Rate: <u>0.0000m³/s</u>
Setbacks:	As with all wells, pipelines and facilities, there are setbacks put in place as a minimum distance between an energy facility and a dwelling, public facility, rural housing project or urban center. Simply put, setbacks prevent populated areas from developing too close to energy facilities or energy facilities getting too close to people. No development will be permitted within 100 meters of the well head unless all applicable relaxation consents can be obtained. Contact your local municipality for further details on their specific development setbacks and relaxation policies.
Hydraulic Isolation	Disposal approvals specify the disposal zone and limit injection to that zone only. Migration of disposal fluids to other zones is highly undesirable. Dragos Energy will provide the necessary logs, including pressure testing, and additional information to AER to confirm that there is no flow of injected fluid behind casing or associated aquifers based upon the initial pressure of the zone.

Emergency Planning & Emergency Contact Information:

Dragos Energy has a corporate Emergency Response Plan in place. The emergency contact number for Dragos Energy is **403-269-2459**. A site-specific emergency response plan is not required for this facility as per AER guidelines.

It is Dragos Energy Corporations intention to make application to the Alberta Energy Regulator for the approval of the above project a minimum of **14 calendar days** after the date of this letter.

As part of this information package please find enclosed the following documentation for your review:

- Survey Plan
- Plot Plan
- Radius Map
- Letter from the Chairman of the ERCB
- the ERCB brochure Understanding Oil and Gas Development in Alberta,
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EnerFAQs

Further to the foregoing information, available online through AER Public Information, please contact the undersigned or these may be downloaded from AER's website at: <http://www.aer.ca/about-aer/enerfaqs>

- What is the AER?
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- The AER and You: Agreements, Commitments, and Conditions
- All About Alternative Dispute Resolution (ADR)
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- Expressing Your Concerns – How to File a Statement of Concern About an Energy Resource Project
- How to Register a Private Surface Agreement

This notice is being provided to you pursuant to AER *Directive 051: Injection and Disposal Wells – Well Classifications, Completions, Logging, and Testing Requirements* and *Directive 065: Resources Applications for Oil and Gas Reservoirs* requirements. Should you require further information or clarification regarding this or any other proposed development by Dragos Energy Corporation please contact the Clint Jenson (COO) directly at **403-519-3497**.

Sincerely,

Dragos Energy Corporation

BY ITS AGENT, CANADA WEST LAND SERVICES LTD.



Melissa Enns



Dragos Energy Corp.
750 – 340 12th Ave SW
Calgary, AB, T2R 1L5
403-269-2459

June 21, 2018

Stakeholder

Via Regular Mail

RAIMOUNT ENERGY INC.
1600, 421- 7TH AVENUE SW
Calgary, Alberta T2P 4K9

Re: PROPOSED RECOMPLETION AND DISPOSAL WELL INFORMATION LETTER
LANDS: SE25-069-06W6
WELL NAME: PROGRESS GOLDCK7-25-69-6
SURFACE LOCATION: 07-25-069-06W6

Dragos Energy Corporation (“Dragos”) is proposing to make application to Alberta Energy Regulator (“AER”) for approval to recomplete an existing well located at 07-25-069-06W6M for Class II and Ib disposal (as shown on the attached plot plan).

In accordance with AER *Directive 051: Injection and Disposal Wells – Well Classifications, Completions, Logging, and Testing Requirements* and *Directive 065: Resources Applications for Oil and Gas Reservoirs* Dragos is providing you with the following public notification and consultation document.

The wells total vertical depth will be approx. **1295.0 m** and will be recompleted and operated in accordance with good oilfield practices as well as Alberta Environment and AER regulations. The following table summarizes the AER regulations for this well:

Description	Industry/Public Notification	Disclosure/Notification Radius
Produced Water Disposal (Class Ib)	Industry <ul style="list-style-type: none">• Unit operator (if applicable)• Approval holder of scheme• All well licensees, including those of abandoned wells• All mineral lessees• All mineral lessors	A radius of 1.6 km from the proposed disposal well where the disposal zone is known to be present
	Public <ul style="list-style-type: none">• Landowners and occupants	A radius of 0.5 km

Specific information relative to this project is detailed below:

General Inquiries and Contact Persons:	Company (Drilling) Representative: Steve Laidlaw	Telephone No: (403)-869-9790
	Surface Land: Clint Jensen	Telephone No: (403) 519-3497
	Field Operations: Clint Jensen	Telephone No: (403) 519-3497
	Field/Construction Representative Clint Jensen	Telephone No: (403) 519-3497
Emergency Contact:	DRAGOS Main Line (24 hours)	Telephone No: (403) 269-2459
Surface Facility / Location:	SE 25-069-06W6	
General Description of Project:	DRAGOS proposes to complete one (1) existing vertical well for Class II and Ib disposal located at 07-25-69-6W6M. The disposal zone target formation (Cardium) does not contain H ₂ S. Once approval has been granted, a service rig will be moved onto the location to complete and equip the well for disposal of water.	
Category / Type:	Category: Class II and Class Ib	

(From AER D51)	<p>Description: Class II</p> <p>Disposal refers to the injection of fluids into underground formations for purposes other than enhanced recovery or gas storage.</p> <p>Fluids included in a Class II disposal scheme may include:</p> <ul style="list-style-type: none">• Produced water associated with the recovery of oil, bitumen, gas, or coalbed methane• Brine from salt cavern or solution mining operations• Water-based pigging fluids from cleaning of collection and injection lines• Brine reject or backwash from water softeners associated with enhanced recovery• Water containing polymers or other chemicals for enhanced recovery• Waste fluids from circulation during well cementing• CaCl₂ water <p>Description: Class Ib</p> <p>List:</p> <ul style="list-style-type: none">• saline fluids as obtained from oilfield waste processing facilities, oilfield tank washing operations, oil spill containment and recovery, or similar operations• boiler blowdown water• liquid fraction of drilling muds, including KC1 muds, but excluding diesel inverts (in accordance with section 2.3)• aqueous liquid fractions of spent sweetening agents – neutralized (Cansweet 200,300, 300SX, 500, SulphaCheck, Sulfa-scrub)• amine filter backwash (eg. MEA, DBA, MDEA)• sulphur block run-off water - neutralized• inorganic salts used in heat exchange medium (eg. sodium/potassium nitrates/nitrites), properly solubilized using an existing aqueous waste stream• waste fluids from drilling operations (i.e. used in or originating from the wellbore)• spent workover or stimulation fluids (after neutralization and/or processing to recover hydrocarbons)• glycol solutions as obtained from dehydration operations• methanol or hydro-test solutions• acidic or alkaline solutions (neutralized) with heavy metal concentrations at or below the levels given in Schedule 1• gas scrubber or absorption tower bottom liquids (neutralized) with heavy metal concentrations at or below the levels of Schedule 1• washing waste water (i.e. detergent or soap wastes)• corrosion inhibitor solutions with heavy metal concentrations at or below Schedule 1 levels• oxygen scavenger solutions with heavy metal concentrations at or below Schedule 1 levels <p>A waste fluid that is not specifically listed above is suitable for disposal in a Class Ib well if it meets the following criteria:</p> <ul style="list-style-type: none">• has a pH between 6.0 and 9.0⁽¹⁾;• has a flash point greater than 61 °C ⁽²⁾, unless<ul style="list-style-type: none">i) is an untreatable sand or crude oil/water emulsion⁽³⁾, orii) is an antifreeze or dehydration fluid⁽⁴⁾;• has heavy metal concentrations at or below the levels specified in Schedule 1 ⁽⁵⁾; and• has a total combined concentration of halogenated organic compounds of less than 100 mg/kg⁽⁵⁾. <p>In addition to meeting the above criteria, information on the types and sources of wastes intended for disposal must be disclosed in the application for the disposal scheme. The information must support that the quality of the wastes is appropriate for the intended disposal zone based on well bore design/conditions, containment/isolation within the intended disposal zone, and protection of non-saline water sources. The AER will consider the information on a case-by-case basis while also considering other applicable provincial and federal acts and regulations, as well as information from other jurisdictions on deep-well disposal.</p>
Target Formation:	Cardium
Need for Proposed Development, Existing and Future Plans:	Dragos Energy requires disposal for 3 rd party produced water and oilfield waste within the Gold Creek Kakwa Area, Alberta.

Expected Substance Type:	<input checked="" type="checkbox"/> Oilfield/Industrial Wastes (Class Ia) <input checked="" type="checkbox"/> produced water/specified wastes (Class II) <input type="checkbox"/> All
Construction & Soil Conservation	Operational needs and environmental considerations will guide construction practices. Normal lease and access road construction practices involve separate stripping and storage of the A and B soil horizons. In the treed areas, the lease will be maintained in a manner to allow for eventual tree and bush regrowth. Efforts will be made to maintain topsoil quality, control weeds and minimize the number of trees and land that is disturbed. Upon abandonment, the following drilling of a “dry hole” or after the well has reached economic limit, the lease will be reclaimed in accordance with provincial regulations as dictated by Alberta Environment.
On-Site Equipment Required:	If the well is successful, the site will be equipped with tanks, pump and filter equipment, and constructed for ongoing injection purposes.
Potential Flaring Operations:	During drilling and completion operations, there is no potential for flaring/venting where no further notification is required.
Potential Emissions & Odours:	No significant odor emission during drilling and completion operations is anticipated.
Safety and Scheduling:	The wells will be equipped with standard oilfield safety equipment during each of the recompletion, equipping and ongoing operation phases. We anticipate commencing recompletion operations in Q3-2018 and expect the recompletion to take between 8-12days . If successful, the well will then be equipped with tank storage and fluid injection equipment. We anticipate this to take 30 days .
Anticipated Noise:	The noise associated with the drilling and completion operations will be temporary in nature and we will adhere to the regulations set out in Directive 038 (Noise Control Directive) that defines permissible sound levels for all activities associated with oil and gas operations. Noise generated by production equipment will be controlled and meet all AER regulations.
Traffic Impacts:	All associated traffic will travel along the leased access road. Drivers will be made aware of traffic concerns and we will strive to ensure the speed of all associated traffic is within safe and legal limits. Completion operations will require 3-4 loads of equipment and service vehicle traffic. Traffic during the ongoing operation phase will include multiple tank trucks daily and various service equipment as required.
Emergency Response Plan:	The proposed well is going to be completed in the Cardium which has no potential for H ₂ S. The Cardium zone in the area is a water wet zone with minimal to no hydrocarbons. The Cardium zone is over-pressured but is intended for the purpose of disposal and thus is not expected to produce or flow to surface at any time during operations. The Emergency Planning Radius is 0m from well center, a Site-Specific Emergency Response Plan will be present on location. Dragos Energy will follow its Corporate Emergency Response Plan in the unlikely event of an emergency during the drilling, completion or operation of the proposed well. Dragos Energy stands behind its reputation of drilling, operating and constructing high standard facilities designed to meet or exceed all AER, safety and environmental protection guidelines and regulations.
H₂S Concentration:	<u>00.0 mol/kmol</u> Emergency Planning Radius: 0.000 km Release Rate: <u>0.0000m³/s</u>
Setbacks:	As with all wells, pipelines and facilities, there are setbacks put in place as a minimum distance between an energy facility and a dwelling, public facility, rural housing project or urban center. Simply put, setbacks prevent populated areas from developing too close to energy facilities or energy facilities getting too close to people. No development will be permitted within 100 meters of the well head unless all applicable relaxation consents can be obtained. Contact your local municipality for further details on their specific development setbacks and relaxation policies.
Hydraulic Isolation	Disposal approvals specify the disposal zone and limit injection to that zone only. Migration of disposal fluids to other zones is highly undesirable. Dragos Energy will provide the necessary logs, including pressure testing, and additional information to AER to confirm that there is no flow of injected fluid behind casing or associated aquifers based upon the initial pressure of the zone.

Emergency Planning & Emergency Contact Information:

Dragos Energy has a corporate Emergency Response Plan in place. The emergency contact number for Dragos Energy is **403-269-2459**. A site-specific emergency response plan is not required for this facility as per AER guidelines.

It is Dragos Energy Corporations intention to make application to the Alberta Energy Regulator for the approval of the above project a minimum of **14 calendar days** after the date of this letter.

As part of this information package please find enclosed the following documentation for your review:

- Survey Plan
- Plot Plan
- Radius Map
- Letter from the Chairman of the ERCB
- the ERCB brochure Understanding Oil and Gas Development in Alberta,
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EnerFAQs

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- All About Alternative Dispute Resolution (ADR)
- Oil Sands
- Expressing Your Concerns – How to File a Statement of Concern About an Energy Resource Project
- How to Register a Private Surface Agreement

This notice is being provided to you pursuant to AER *Directive 051: Injection and Disposal Wells – Well Classifications, Completions, Logging, and Testing Requirements* and *Directive 065: Resources Applications for Oil and Gas Reservoirs* requirements. Should you require further information or clarification regarding this or any other proposed development by Dragos Energy Corporation please contact the Clint Jenson (COO) directly at **403-519-3497**.

Sincerely,

Dragos Energy Corporation

BY ITS AGENT, CANADA WEST LAND SERVICES LTD.



Melissa Enns



Dragos Energy Corp.
750 – 340 12th Ave SW
Calgary, AB, T2R 1L5
403-269-2459

June 21, 2018

Disposition Holder: **RRD8621052**

Via Regular Mail

ALBERTA TRANSPORTATION

2nd Floor, Twin Atria Building, 4999-98 Avenue Highway and Roadside Planning
Edmonton, Alberta T6B 2X3

Re: PROPOSED RECOMPLETION AND DISPOSAL WELL INFORMATION LETTER
LANDS: SE25-069-06W6
WELL NAME: PROGRESS GOLDCK7-25-69-6
SURFACE LOCATION: 07-25-069-06W6

Dragos Energy Corporation (“Dragos”) is proposing to make application to Alberta Energy Regulator (“AER”) for approval to recompleate an existing well located at 07-25-069-06W6M for Class II and Ib disposal (as shown on the attached plot plan).

In accordance with AER *Directive 051: Injection and Disposal Wells – Well Classifications, Completions, Logging, and Testing Requirements* and *Directive 065: Resources Applications for Oil and Gas Reservoirs* Dragos is providing you with the following public notification and consultation document.

The wells total vertical depth will be approx. **1295.0 m** and will be recompleted and operated in accordance with good oilfield practices as well as Alberta Environment and AER regulations. The following table summarizes the AER regulations for this well:

Description	Industry/Public Notification	Disclosure/Notification Radius
Produced Water Disposal (Class Ib)	Industry <ul style="list-style-type: none">• Unit operator (if applicable)• Approval holder of scheme• All well licensees, including those of abandoned wells• All mineral lessees• All mineral lessors Public <ul style="list-style-type: none">• Landowners and occupants	A radius of 1.6 km from the proposed disposal well where the disposal zone is known to be present A radius of 0.5 km

Specific information relative to this project is detailed below:

General Inquiries and Contact Persons:	Company (Drilling) Representative: Steve Laidlaw	Telephone No: (403)-869-9790
	Surface Land: Clint Jensen	Telephone No: (403) 519-3497
	Field Operations: Clint Jensen	Telephone No: (403) 519-3497
	Field/Construction Representative Clint Jensen	Telephone No: (403) 519-3497
Emergency Contact:	DRAGOS Main Line (24 hours)	Telephone No: (403) 269-2459
Surface Facility / Location:	SE 25-069-06W6	
General Description of Project:	DRAGOS proposes tor complete one (1) existing vertical well for Class II and Ib disposal located at7-25-69-6W6M.The disposal zone target formation (Cardium) does not contain H2S. Once approval has been granted, a service rig will be moved onto the location to complete and equip the well for disposal of water.	
Category / Type:	Category: Class II and Class Ib	

(From AER D51)	<p>Description: Class II</p> <p>Disposal refers to the injection of fluids into underground formations for purposes other than enhanced recovery or gas storage.</p> <p>Fluids included in a Class II disposal scheme may include:</p> <ul style="list-style-type: none">• Produced water associated with the recovery of oil, bitumen, gas, or coalbed methane• Brine from salt cavern or solution mining operations• Water-based pigging fluids from cleaning of collection and injection lines• Brine reject or backwash from water softeners associated with enhanced recovery• Water containing polymers or other chemicals for enhanced recovery• Waste fluids from circulation during well cementing• CaCl₂ water <p>Description: Class Ib</p> <p>List:</p> <ul style="list-style-type: none">• saline fluids as obtained from oilfield waste processing facilities, oilfield tank washing operations, oil spill containment and recovery, or similar operations• boiler blowdown water• liquid fraction of drilling muds, including KC1 muds, but excluding diesel inverts (in accordance with section 2.3)• aqueous liquid fractions of spent sweetening agents – neutralized (Cansweet 200,300, 300SX, 500, SulphaCheck, Sulfa-scrub)• amine filter backwash (eg. MEA, DBA, MDEA)• sulphur block run-off water - neutralized• inorganic salts used in heat exchange medium (eg. sodium/potassium nitrates/nitrites), properly solubilized using an existing aqueous waste stream• waste fluids from drilling operations (i.e. used in or originating from the wellbore)• spent workover or stimulation fluids (after neutralization and/or processing to recover hydrocarbons)• glycol solutions as obtained from dehydration operations• methanol or hydro-test solutions• acidic or alkaline solutions (neutralized) with heavy metal concentrations at or below the levels given in Schedule 1• gas scrubber or absorption tower bottom liquids (neutralized) with heavy metal concentrations at or below the levels of Schedule 1• washing waste water (i.e. detergent or soap wastes)• corrosion inhibitor solutions with heavy metal concentrations at or below Schedule 1 levels• oxygen scavenger solutions with heavy metal concentrations at or below Schedule 1 levels <p>A waste fluid that is not specifically listed above is suitable for disposal in a Class Ib well if it meets the following criteria:</p> <ul style="list-style-type: none">• has a pH between 6.0 and 9.0⁽¹⁾;• has a flash point greater than 61 °C ⁽²⁾, unless<ul style="list-style-type: none">i) is an untreatable sand or crude oil/water emulsion⁽³⁾, orii) is an antifreeze or dehydration fluid⁽⁴⁾;• has heavy metal concentrations at or below the levels specified in Schedule 1 ⁽⁵⁾; and• has a total combined concentration of halogenated organic compounds of less than 100 mg/kg⁽⁵⁾. <p>In addition to meeting the above criteria, information on the types and sources of wastes intended for disposal must be disclosed in the application for the disposal scheme. The information must support that the quality of the wastes is appropriate for the intended disposal zone based on well bore design/conditions, containment/isolation within the intended disposal zone, and protection of non-saline water sources. The AER will consider the information on a case-by-case basis while also considering other applicable provincial and federal acts and regulations, as well as information from other jurisdictions on deep-well disposal.</p>
Target Formation:	Cardium
Need for Proposed Development, Existing and Future Plans:	Dragos Energy requires disposal for 3 rd party produced water and oilfield waste within the Gold Creek Kakwa Area, Alberta.

Expected Substance Type:	<input checked="" type="checkbox"/> Oilfield/Industrial Wastes (Class Ia) <input checked="" type="checkbox"/> produced water/specified wastes (Class II) <input type="checkbox"/> All
Construction & Soil Conservation	Operational needs and environmental considerations will guide construction practices. Normal lease and access road construction practices involve separate stripping and storage of the A and B soil horizons. In the treed areas, the lease will be maintained in a manner to allow for eventual tree and bush regrowth. Efforts will be made to maintain topsoil quality, control weeds and minimize the number of trees and land that is disturbed. Upon abandonment, the following drilling of a “dry hole” or after the well has reached economic limit, the lease will be reclaimed in accordance with provincial regulations as dictated by Alberta Environment.
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H₂S Concentration:	<u>00.0 mol/kmol</u> Emergency Planning Radius: 0.000 km Release Rate: <u>0.0000m³/s</u>
Setbacks:	As with all wells, pipelines and facilities, there are setbacks put in place as a minimum distance between an energy facility and a dwelling, public facility, rural housing project or urban center. Simply put, setbacks prevent populated areas from developing too close to energy facilities or energy facilities getting too close to people. No development will be permitted within 100 meters of the well head unless all applicable relaxation consents can be obtained. Contact your local municipality for further details on their specific development setbacks and relaxation policies.
Hydraulic Isolation	Disposal approvals specify the disposal zone and limit injection to that zone only. Migration of disposal fluids to other zones is highly undesirable. Dragos Energy will provide the necessary logs, including pressure testing, and additional information to AER to confirm that there is no flow of injected fluid behind casing or associated aquifers based upon the initial pressure of the zone.

Emergency Planning & Emergency Contact Information:

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Sincerely,

Dragos Energy Corporation

BY ITS AGENT, CANADA WEST LAND SERVICES LTD.



Melissa Enns



Dragos Energy Corp.
750 – 340 12th Ave SW
Calgary, AB, T2R 1L5
403-269-2459

June 21, 2018

Stakeholder

Via Regular Mail

STOMP ENERGY C/O SCOTT LAND & LEASE LTD.
900,202- 6TH AVENUE SW
Calgary, Alberta T2P 2R9

Re: PROPOSED RECOMPLETION AND DISPOSAL WELL INFORMATION LETTER
LANDS: SE25-069-06W6
WELL NAME: PROGRESS GOLDCK7-25-69-6
SURFACE LOCATION: 07-25-069-06W6

Dragos Energy Corporation (“Dragos”) is proposing to make application to Alberta Energy Regulator (“AER”) for approval to recompleate an existing well located at 07-25-069-06W6M for Class II and Ib disposal (as shown on the attached plot plan).

In accordance with AER *Directive 051: Injection and Disposal Wells – Well Classifications, Completions, Logging, and Testing Requirements* and *Directive 065: Resources Applications for Oil and Gas Reservoirs* Dragos is providing you with the following public notification and consultation document.

The wells total vertical depth will be approx. **1295.0 m** and will be recompleted and operated in accordance with good oilfield practices as well as Alberta Environment and AER regulations. The following table summarizes the AER regulations for this well:

Description	Industry/Public Notification	Disclosure/Notification Radius
Produced Water Disposal (Class Ib)	Industry <ul style="list-style-type: none">• Unit operator (if applicable)• Approval holder of scheme• All well licensees, including those of abandoned wells• All mineral lessees• All mineral lessors	A radius of 1.6 km from the proposed disposal well where the disposal zone is known to be present
	Public <ul style="list-style-type: none">• Landowners and occupants	A radius of 0.5 km

Specific information relative to this project is detailed below:

General Inquiries and Contact Persons:	Company (Drilling) Representative: Steve Laidlaw	Telephone No: (403)-869-9790
	Surface Land: Clint Jensen	Telephone No: (403) 519-3497
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Emergency Contact:	DRAGOS Main Line (24 hours)	Telephone No: (403) 269-2459
Surface Facility / Location:	SE 25-069-06W6	
General Description of Project:	DRAGOS proposes tor complete one (1) existing vertical well for Class II and Ib disposal located at7-25-69-6W6M.The disposal zone target formation (Cardium) does not contain H2S. Once approval has been granted, a service rig will be moved onto the location to complete and equip the well for disposal of water.	
Category / Type:	Category: Class II and Class Ib	

(From AER D51)	<p>Description: Class II</p> <p>Disposal refers to the injection of fluids into underground formations for purposes other than enhanced recovery or gas storage.</p> <p>Fluids included in a Class II disposal scheme may include:</p> <ul style="list-style-type: none">• Produced water associated with the recovery of oil, bitumen, gas, or coalbed methane• Brine from salt cavern or solution mining operations• Water-based pigging fluids from cleaning of collection and injection lines• Brine reject or backwash from water softeners associated with enhanced recovery• Water containing polymers or other chemicals for enhanced recovery• Waste fluids from circulation during well cementing• CaCl₂ water <p>Description: Class Ib</p> <p>List:</p> <ul style="list-style-type: none">• saline fluids as obtained from oilfield waste processing facilities, oilfield tank washing operations, oil spill containment and recovery, or similar operations• boiler blowdown water• liquid fraction of drilling muds, including KC1 muds, but excluding diesel inverts (in accordance with section 2.3)• aqueous liquid fractions of spent sweetening agents – neutralized (Cansweet 200,300, 300SX, 500, SulphaCheck, Sulfa-scrub)• amine filter backwash (eg. MEA, DBA, MDEA)• sulphur block run-off water - neutralized• inorganic salts used in heat exchange medium (eg. sodium/potassium nitrates/nitrites), properly solubilized using an existing aqueous waste stream• waste fluids from drilling operations (i.e. used in or originating from the wellbore)• spent workover or stimulation fluids (after neutralization and/or processing to recover hydrocarbons)• glycol solutions as obtained from dehydration operations• methanol or hydro-test solutions• acidic or alkaline solutions (neutralized) with heavy metal concentrations at or below the levels given in Schedule 1• gas scrubber or absorption tower bottom liquids (neutralized) with heavy metal concentrations at or below the levels of Schedule 1• washing waste water (i.e. detergent or soap wastes)• corrosion inhibitor solutions with heavy metal concentrations at or below Schedule 1 levels• oxygen scavenger solutions with heavy metal concentrations at or below Schedule 1 levels <p>A waste fluid that is not specifically listed above is suitable for disposal in a Class Ib well if it meets the following criteria:</p> <ul style="list-style-type: none">• has a pH between 6.0 and 9.0⁽¹⁾;• has a flash point greater than 61 °C ⁽²⁾, unless<ul style="list-style-type: none">i) is an untreatable sand or crude oil/water emulsion⁽³⁾, orii) is an antifreeze or dehydration fluid⁽⁴⁾;• has heavy metal concentrations at or below the levels specified in Schedule 1 ⁽⁵⁾; and• has a total combined concentration of halogenated organic compounds of less than 100 mg/kg⁽⁵⁾. <p>In addition to meeting the above criteria, information on the types and sources of wastes intended for disposal must be disclosed in the application for the disposal scheme. The information must support that the quality of the wastes is appropriate for the intended disposal zone based on well bore design/conditions, containment/isolation within the intended disposal zone, and protection of non-saline water sources. The AER will consider the information on a case-by-case basis while also considering other applicable provincial and federal acts and regulations, as well as information from other jurisdictions on deep-well disposal.</p>
Target Formation:	Cardium
Need for Proposed Development, Existing and Future Plans:	Dragos Energy requires disposal for 3 rd party produced water and oilfield waste within the Gold Creek Kakwa Area, Alberta.

Expected Substance Type:	<input checked="" type="checkbox"/> Oilfield/Industrial Wastes (Class Ia) <input checked="" type="checkbox"/> produced water/specified wastes (Class II) <input type="checkbox"/> All
Construction & Soil Conservation	Operational needs and environmental considerations will guide construction practices. Normal lease and access road construction practices involve separate stripping and storage of the A and B soil horizons. In the treed areas, the lease will be maintained in a manner to allow for eventual tree and bush regrowth. Efforts will be made to maintain topsoil quality, control weeds and minimize the number of trees and land that is disturbed. Upon abandonment, the following drilling of a “dry hole” or after the well has reached economic limit, the lease will be reclaimed in accordance with provincial regulations as dictated by Alberta Environment.
On-Site Equipment Required:	If the well is successful, the site will be equipped with tanks, pump and filter equipment, and constructed for ongoing injection purposes.
Potential Flaring Operations:	During drilling and completion operations, there is no potential for flaring/venting where no further notification is required.
Potential Emissions & Odours:	No significant odor emission during drilling and completion operations is anticipated.
Safety and Scheduling:	The wells will be equipped with standard oilfield safety equipment during each of the recompletion, equipping and ongoing operation phases. We anticipate commencing recompletion operations in Q3-2018 and expect the recompletion to take between 8-12days . If successful, the well will then be equipped with tank storage and fluid injection equipment. We anticipate this to take 30 days .
Anticipated Noise:	The noise associated with the drilling and completion operations will be temporary in nature and we will adhere to the regulations set out in Directive 038 (Noise Control Directive) that defines permissible sound levels for all activities associated with oil and gas operations. Noise generated by production equipment will be controlled and meet all AER regulations.
Traffic Impacts:	All associated traffic will travel along the leased access road. Drivers will be made aware of traffic concerns and we will strive to ensure the speed of all associated traffic is within safe and legal limits. Completion operations will require 3-4 loads of equipment and service vehicle traffic. Traffic during the ongoing operation phase will include multiple tank trucks daily and various service equipment as required.
Emergency Response Plan:	The proposed well is going to be completed in the Cardium which has no potential for H ₂ S. The Cardium zone in the area is a water wet zone with minimal to no hydrocarbons. The Cardium zone is over-pressured but is intended for the purpose of disposal and thus is not expected to produce or flow to surface at any time during operations. The Emergency Planning Radius is 0m from well center, a Site-Specific Emergency Response Plan will be present on location. Dragos Energy will follow its Corporate Emergency Response Plan in the unlikely event of an emergency during the drilling, completion or operation of the proposed well. Dragos Energy stands behind its reputation of drilling, operating and constructing high standard facilities designed to meet or exceed all AER, safety and environmental protection guidelines and regulations.
H₂S Concentration:	<u>00.0 mol/kmol</u> Emergency Planning Radius: 0.000 km Release Rate: <u>0.0000m³/s</u>
Setbacks:	As with all wells, pipelines and facilities, there are setbacks put in place as a minimum distance between an energy facility and a dwelling, public facility, rural housing project or urban center. Simply put, setbacks prevent populated areas from developing too close to energy facilities or energy facilities getting too close to people. No development will be permitted within 100 meters of the well head unless all applicable relaxation consents can be obtained. Contact your local municipality for further details on their specific development setbacks and relaxation policies.
Hydraulic Isolation	Disposal approvals specify the disposal zone and limit injection to that zone only. Migration of disposal fluids to other zones is highly undesirable. Dragos Energy will provide the necessary logs, including pressure testing, and additional information to AER to confirm that there is no flow of injected fluid behind casing or associated aquifers based upon the initial pressure of the zone.

Emergency Planning & Emergency Contact Information:

Dragos Energy has a corporate Emergency Response Plan in place. The emergency contact number for Dragos Energy is **403-269-2459**. A site-specific emergency response plan is not required for this facility as per AER guidelines.

It is Dragos Energy Corporations intention to make application to the Alberta Energy Regulator for the approval of the above project a minimum of **14 calendar days** after the date of this letter.

As part of this information package please find enclosed the following documentation for your review:

- Survey Plan
- Plot Plan
- Radius Map
- Letter from the Chairman of the ERCB
- the ERCB brochure Understanding Oil and Gas Development in Alberta,
- EnerFAQs No. 7: Proposed Oil and Gas Development: A Landowner's Guide,
- the ERCB publication EnerFAQs No. 15: Objecting to an Energy Resource Project and the form Objecting to an Energy Resource Project, and

EnerFAQs

Further to the foregoing information, available online through AER Public Information, please contact the undersigned or these may be downloaded from AER's website at: <http://www.aer.ca/about-aer/enerfaqs>

- What is the AER?
- Having Your Say at an AER Hearing
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- The AER and You: Agreements, Commitments, and Conditions
- All About Alternative Dispute Resolution (ADR)
- Oil Sands
- Expressing Your Concerns – How to File a Statement of Concern About an Energy Resource Project
- How to Register a Private Surface Agreement

This notice is being provided to you pursuant to AER *Directive 051: Injection and Disposal Wells – Well Classifications, Completions, Logging, and Testing Requirements* and *Directive 065: Resources Applications for Oil and Gas Reservoirs* requirements. Should you require further information or clarification regarding this or any other proposed development by Dragos Energy Corporation please contact the Clint Jenson (COO) directly at **403-519-3497**.

Sincerely,

Dragos Energy Corporation

BY ITS AGENT, CANADA WEST LAND SERVICES LTD.



Melissa Enns



Dragos Energy Corp.
750 – 340 12th Ave SW
Calgary, AB, T2R 1L5
403-269-2459

June 21, 2018

Disposition Holder: **TPA2160**

Via Regular Mail

LEON MAKSYMCHUK
710072 Hwy 40 Unit 96
Grande Prairie, Alberta T8W 5B6

Re: PROPOSED RECOMPLETION AND DISPOSAL WELL INFORMATION LETTER
LANDS: SE25-069-06W6
WELL NAME: PROGRESS GOLDCK7-25-69-6
SURFACE LOCATION: 07-25-069-06W6

Dragos Energy Corporation (“Dragos”) is proposing to make application to Alberta Energy Regulator (“AER”) for approval to recompleate an existing well located at 07-25-069-06W6M for Class II and Ib disposal (as shown on the attached plot plan).

In accordance with AER *Directive 051: Injection and Disposal Wells – Well Classifications, Completions, Logging, and Testing Requirements* and *Directive 065: Resources Applications for Oil and Gas Reservoirs* Dragos is providing you with the following public notification and consultation document.

The wells total vertical depth will be approx. **1295.0 m** and will be recompleted and operated in accordance with good oilfield practices as well as Alberta Environment and AER regulations. The following table summarizes the AER regulations for this well:

Description	Industry/Public Notification	Disclosure/Notification Radius
Produced Water Disposal (Class Ib)	Industry <ul style="list-style-type: none">• Unit operator (if applicable)• Approval holder of scheme• All well licensees, including those of abandoned wells• All mineral lessees• All mineral lessors	A radius of 1.6 km from the proposed disposal well where the disposal zone is known to be present
	Public <ul style="list-style-type: none">• Landowners and occupants	A radius of 0.5 km

Specific information relative to this project is detailed below:

General Inquiries and Contact Persons:	Company (Drilling) Representative: Steve Laidlaw	Telephone No: (403)-869-9790
	Surface Land: Clint Jensen	Telephone No: (403) 519-3497
	Field Operations: Clint Jensen	Telephone No: (403) 519-3497
	Field/Construction Representative Clint Jensen	Telephone No: (403) 519-3497
Emergency Contact:	DRAGOS Main Line (24 hours)	Telephone No: (403) 269-2459
Surface Facility / Location:	SE 25-069-06W6	
General Description of Project:	DRAGOS proposes tor complete one (1) existing vertical well for Class II and Ib disposal located at7-25-69-6W6M.The disposal zone target formation (Cadium) does not contain H2S. Once approval has been granted, a service rig will be moved onto the location to complete and equip the well for disposal of water.	
Category / Type:	Category: Class II and Class Ib	

(From AER D51)	<p>Description: Class II</p> <p>Disposal refers to the injection of fluids into underground formations for purposes other than enhanced recovery or gas storage.</p> <p>Fluids included in a Class II disposal scheme may include:</p> <ul style="list-style-type: none">• Produced water associated with the recovery of oil, bitumen, gas, or coalbed methane• Brine from salt cavern or solution mining operations• Water-based pigging fluids from cleaning of collection and injection lines• Brine reject or backwash from water softeners associated with enhanced recovery• Water containing polymers or other chemicals for enhanced recovery• Waste fluids from circulation during well cementing• CaCl₂ water <p>Description: Class Ib</p> <p>List:</p> <ul style="list-style-type: none">• saline fluids as obtained from oilfield waste processing facilities, oilfield tank washing operations, oil spill containment and recovery, or similar operations• boiler blowdown water• liquid fraction of drilling muds, including KC1 muds, but excluding diesel inverts (in accordance with section 2.3)• aqueous liquid fractions of spent sweetening agents – neutralized (Cansweet 200,300, 300SX, 500, SulphaCheck, Sulfa-scrub)• amine filter backwash (eg. MEA, DBA, MDEA)• sulphur block run-off water - neutralized• inorganic salts used in heat exchange medium (eg. sodium/potassium nitrates/nitrites), properly solubilized using an existing aqueous waste stream• waste fluids from drilling operations (i.e. used in or originating from the wellbore)• spent workover or stimulation fluids (after neutralization and/or processing to recover hydrocarbons)• glycol solutions as obtained from dehydration operations• methanol or hydro-test solutions• acidic or alkaline solutions (neutralized) with heavy metal concentrations at or below the levels given in Schedule 1• gas scrubber or absorption tower bottom liquids (neutralized) with heavy metal concentrations at or below the levels of Schedule 1• washing waste water (i.e. detergent or soap wastes)• corrosion inhibitor solutions with heavy metal concentrations at or below Schedule 1 levels• oxygen scavenger solutions with heavy metal concentrations at or below Schedule 1 levels <p>A waste fluid that is not specifically listed above is suitable for disposal in a Class Ib well if it meets the following criteria:</p> <ul style="list-style-type: none">• has a pH between 6.0 and 9.0⁽¹⁾;• has a flash point greater than 61 °C ⁽²⁾, unless<ul style="list-style-type: none">i) is an untreatable sand or crude oil/water emulsion⁽³⁾, orii) is an antifreeze or dehydration fluid⁽⁴⁾;• has heavy metal concentrations at or below the levels specified in Schedule 1 ⁽⁵⁾; and• has a total combined concentration of halogenated organic compounds of less than 100 mg/kg⁽⁵⁾. <p>In addition to meeting the above criteria, information on the types and sources of wastes intended for disposal must be disclosed in the application for the disposal scheme. The information must support that the quality of the wastes is appropriate for the intended disposal zone based on well bore design/conditions, containment/isolation within the intended disposal zone, and protection of non-saline water sources. The AER will consider the information on a case-by-case basis while also considering other applicable provincial and federal acts and regulations, as well as information from other jurisdictions on deep-well disposal.</p>
Target Formation:	Cardium
Need for Proposed Development, Existing and Future Plans:	Dragos Energy requires disposal for 3 rd party produced water and oilfield waste within the Gold Creek Kakwa Area, Alberta.

Expected Substance Type:	<input checked="" type="checkbox"/> Oilfield/Industrial Wastes (Class Ia) <input checked="" type="checkbox"/> produced water/specified wastes (Class II) <input type="checkbox"/> All
Construction & Soil Conservation	Operational needs and environmental considerations will guide construction practices. Normal lease and access road construction practices involve separate stripping and storage of the A and B soil horizons. In the treed areas, the lease will be maintained in a manner to allow for eventual tree and bush regrowth. Efforts will be made to maintain topsoil quality, control weeds and minimize the number of trees and land that is disturbed. Upon abandonment, the following drilling of a “dry hole” or after the well has reached economic limit, the lease will be reclaimed in accordance with provincial regulations as dictated by Alberta Environment.
On-Site Equipment Required:	If the well is successful, the site will be equipped with tanks, pump and filter equipment, and constructed for ongoing injection purposes.
Potential Flaring Operations:	During drilling and completion operations, there is no potential for flaring/venting where no further notification is required.
Potential Emissions & Odours:	No significant odor emission during drilling and completion operations is anticipated.
Safety and Scheduling:	The wells will be equipped with standard oilfield safety equipment during each of the recompletion, equipping and ongoing operation phases. We anticipate commencing recompletion operations in Q3-2018 and expect the recompletion to take between 8-12days . If successful, the well will then be equipped with tank storage and fluid injection equipment. We anticipate this to take 30 days .
Anticipated Noise:	The noise associated with the drilling and completion operations will be temporary in nature and we will adhere to the regulations set out in Directive 038 (Noise Control Directive) that defines permissible sound levels for all activities associated with oil and gas operations. Noise generated by production equipment will be controlled and meet all AER regulations.
Traffic Impacts:	All associated traffic will travel along the leased access road. Drivers will be made aware of traffic concerns and we will strive to ensure the speed of all associated traffic is within safe and legal limits. Completion operations will require 3-4 loads of equipment and service vehicle traffic. Traffic during the ongoing operation phase will include multiple tank trucks daily and various service equipment as required.
Emergency Response Plan:	The proposed well is going to be completed in the Cardium which has no potential for H ₂ S. The Cardium zone in the area is a water wet zone with minimal to no hydrocarbons. The Cardium zone is over-pressured but is intended for the purpose of disposal and thus is not expected to produce or flow to surface at any time during operations. The Emergency Planning Radius is 0m from well center, a Site-Specific Emergency Response Plan will be present on location. Dragos Energy will follow its Corporate Emergency Response Plan in the unlikely event of an emergency during the drilling, completion or operation of the proposed well. Dragos Energy stands behind its reputation of drilling, operating and constructing high standard facilities designed to meet or exceed all AER, safety and environmental protection guidelines and regulations.
H₂S Concentration:	<u>00.0 mol/kmol</u> Emergency Planning Radius: 0.000 km Release Rate: <u>0.0000m³/s</u>
Setbacks:	As with all wells, pipelines and facilities, there are setbacks put in place as a minimum distance between an energy facility and a dwelling, public facility, rural housing project or urban center. Simply put, setbacks prevent populated areas from developing too close to energy facilities or energy facilities getting too close to people. No development will be permitted within 100 meters of the well head unless all applicable relaxation consents can be obtained. Contact your local municipality for further details on their specific development setbacks and relaxation policies.
Hydraulic Isolation	Disposal approvals specify the disposal zone and limit injection to that zone only. Migration of disposal fluids to other zones is highly undesirable. Dragos Energy will provide the necessary logs, including pressure testing, and additional information to AER to confirm that there is no flow of injected fluid behind casing or associated aquifers based upon the initial pressure of the zone.

Emergency Planning & Emergency Contact Information:

Dragos Energy has a corporate Emergency Response Plan in place. The emergency contact number for Dragos Energy is **403-269-2459**. A site-specific emergency response plan is not required for this facility as per AER guidelines.

It is Dragos Energy Corporations intention to make application to the Alberta Energy Regulator for the approval of the above project a minimum of **14 calendar days** after the date of this letter.

As part of this information package please find enclosed the following documentation for your review:

- Survey Plan
- Plot Plan
- Radius Map
- Letter from the Chairman of the ERCB
- the ERCB brochure Understanding Oil and Gas Development in Alberta,
- EnerFAQs No. 7: Proposed Oil and Gas Development: A Landowner's Guide,
- the ERCB publication EnerFAQs No. 15: Objecting to an Energy Resource Project and the form Objecting to an Energy Resource Project, and

EnerFAQs

Further to the foregoing information, available online through AER Public Information, please contact the undersigned or these may be downloaded from AER's website at: <http://www.aer.ca/about-aer/enerfaqs>

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- Oil Sands
- Expressing Your Concerns – How to File a Statement of Concern About an Energy Resource Project
- How to Register a Private Surface Agreement

This notice is being provided to you pursuant to AER *Directive 051: Injection and Disposal Wells – Well Classifications, Completions, Logging, and Testing Requirements* and *Directive 065: Resources Applications for Oil and Gas Reservoirs* requirements. Should you require further information or clarification regarding this or any other proposed development by Dragos Energy Corporation please contact the Clint Jenson (COO) directly at **403-519-3497**.

Sincerely,

Dragos Energy Corporation

BY ITS AGENT, CANADA WEST LAND SERVICES LTD.



Melissa Enns



Dragos Energy Corp.
750 – 340 12th Ave SW
Calgary, AB, T2R 1L5
403-269-2459

June 21, 2018

Disposition Holder: **TPA2378**

Via Regular Mail

PHILIP THETRAULT
5501 Aspen Drive
Grande Prairie, Alberta T8W 0H3

Re: PROPOSED RECOMPLETION AND DISPOSAL WELL INFORMATION LETTER
LANDS: SE25-069-06W6
WELL NAME: PROGRESS GOLDCK7-25-69-6
SURFACE LOCATION: 07-25-069-06W6

Dragos Energy Corporation (“Dragos”) is proposing to make application to Alberta Energy Regulator (“AER”) for approval to recomplete an existing well located at 07-25-069-06W6M for Class II and Ib disposal (as shown on the attached plot plan).

In accordance with AER *Directive 051: Injection and Disposal Wells – Well Classifications, Completions, Logging, and Testing Requirements* and *Directive 065: Resources Applications for Oil and Gas Reservoirs* Dragos is providing you with the following public notification and consultation document.

The wells total vertical depth will be approx. **1295.0 m** and will be recompleted and operated in accordance with good oilfield practices as well as Alberta Environment and AER regulations. The following table summarizes the AER regulations for this well:

Description	Industry/Public Notification	Disclosure/Notification Radius
Produced Water Disposal (Class Ib)	Industry <ul style="list-style-type: none">• Unit operator (if applicable)• Approval holder of scheme• All well licensees, including those of abandoned wells• All mineral lessees• All mineral lessors	A radius of 1.6 km from the proposed disposal well where the disposal zone is known to be present
	Public <ul style="list-style-type: none">• Landowners and occupants	A radius of 0.5 km

Specific information relative to this project is detailed below:

General Inquiries and Contact Persons:	Company (Drilling) Representative: Steve Laidlaw	Telephone No: (403)-869-9790
	Surface Land: Clint Jensen	Telephone No: (403) 519-3497
	Field Operations: Clint Jensen	Telephone No: (403) 519-3497
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Emergency Contact:	DRAGOS Main Line (24 hours)	Telephone No: (403) 269-2459
Surface Facility / Location:	SE 25-069-06W6	
General Description of Project:	DRAGOS proposes to complete one (1) existing vertical well for Class II and Ib disposal located at 07-25-069-06W6M. The disposal zone target formation (Cadium) does not contain H ₂ S. Once approval has been granted, a service rig will be moved onto the location to complete and equip the well for disposal of water.	
Category / Type:	Category: Class II and Class Ib	

(From AER D51)	<p>Description: Class II</p> <p>Disposal refers to the injection of fluids into underground formations for purposes other than enhanced recovery or gas storage.</p> <p>Fluids included in a Class II disposal scheme may include:</p> <ul style="list-style-type: none">• Produced water associated with the recovery of oil, bitumen, gas, or coalbed methane• Brine from salt cavern or solution mining operations• Water-based pigging fluids from cleaning of collection and injection lines• Brine reject or backwash from water softeners associated with enhanced recovery• Water containing polymers or other chemicals for enhanced recovery• Waste fluids from circulation during well cementing• CaCl₂ water <p>Description: Class Ib</p> <p>List:</p> <ul style="list-style-type: none">• saline fluids as obtained from oilfield waste processing facilities, oilfield tank washing operations, oil spill containment and recovery, or similar operations• boiler blowdown water• liquid fraction of drilling muds, including KC1 muds, but excluding diesel inverts (in accordance with section 2.3)• aqueous liquid fractions of spent sweetening agents – neutralized (Cansweet 200,300, 300SX, 500, SulphaCheck, Sulfa-scrub)• amine filter backwash (eg. MEA, DBA, MDEA)• sulphur block run-off water - neutralized• inorganic salts used in heat exchange medium (eg. sodium/potassium nitrates/nitrites), properly solubilized using an existing aqueous waste stream• waste fluids from drilling operations (i.e. used in or originating from the wellbore)• spent workover or stimulation fluids (after neutralization and/or processing to recover hydrocarbons)• glycol solutions as obtained from dehydration operations• methanol or hydro-test solutions• acidic or alkaline solutions (neutralized) with heavy metal concentrations at or below the levels given in Schedule 1• gas scrubber or absorption tower bottom liquids (neutralized) with heavy metal concentrations at or below the levels of Schedule 1• washing waste water (i.e. detergent or soap wastes)• corrosion inhibitor solutions with heavy metal concentrations at or below Schedule 1 levels• oxygen scavenger solutions with heavy metal concentrations at or below Schedule 1 levels <p>A waste fluid that is not specifically listed above is suitable for disposal in a Class Ib well if it meets the following criteria:</p> <ul style="list-style-type: none">• has a pH between 6.0 and 9.0⁽¹⁾;• has a flash point greater than 61 °C ⁽²⁾, unless<ul style="list-style-type: none">i) is an untreatable sand or crude oil/water emulsion⁽³⁾, orii) is an antifreeze or dehydration fluid⁽⁴⁾;• has heavy metal concentrations at or below the levels specified in Schedule 1 ⁽⁵⁾; and• has a total combined concentration of halogenated organic compounds of less than 100 mg/kg⁽⁵⁾. <p>In addition to meeting the above criteria, information on the types and sources of wastes intended for disposal must be disclosed in the application for the disposal scheme. The information must support that the quality of the wastes is appropriate for the intended disposal zone based on well bore design/conditions, containment/isolation within the intended disposal zone, and protection of non-saline water sources. The AER will consider the information on a case-by-case basis while also considering other applicable provincial and federal acts and regulations, as well as information from other jurisdictions on deep-well disposal.</p>
Target Formation:	Cardium
Need for Proposed Development, Existing and Future Plans:	Dragos Energy requires disposal for 3 rd party produced water and oilfield waste within the Gold Creek Kakwa Area, Alberta.

Expected Substance Type:	<input checked="" type="checkbox"/> Oilfield/Industrial Wastes (Class Ia) <input checked="" type="checkbox"/> produced water/specified wastes (Class II) <input type="checkbox"/> All
Construction & Soil Conservation	Operational needs and environmental considerations will guide construction practices. Normal lease and access road construction practices involve separate stripping and storage of the A and B soil horizons. In the treed areas, the lease will be maintained in a manner to allow for eventual tree and bush regrowth. Efforts will be made to maintain topsoil quality, control weeds and minimize the number of trees and land that is disturbed. Upon abandonment, the following drilling of a “dry hole” or after the well has reached economic limit, the lease will be reclaimed in accordance with provincial regulations as dictated by Alberta Environment.
On-Site Equipment Required:	If the well is successful, the site will be equipped with tanks, pump and filter equipment, and constructed for ongoing injection purposes.
Potential Flaring Operations:	During drilling and completion operations, there is no potential for flaring/venting where no further notification is required.
Potential Emissions & Odours:	No significant odor emission during drilling and completion operations is anticipated.
Safety and Scheduling:	The wells will be equipped with standard oilfield safety equipment during each of the recompletion, equipping and ongoing operation phases. We anticipate commencing recompletion operations in Q3-2018 and expect the recompletion to take between 8-12days . If successful, the well will then be equipped with tank storage and fluid injection equipment. We anticipate this to take 30 days .
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Traffic Impacts:	All associated traffic will travel along the leased access road. Drivers will be made aware of traffic concerns and we will strive to ensure the speed of all associated traffic is within safe and legal limits. Completion operations will require 3-4 loads of equipment and service vehicle traffic. Traffic during the ongoing operation phase will include multiple tank trucks daily and various service equipment as required.
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H₂S Concentration:	<u>00.0 mol/kmol</u> Emergency Planning Radius: 0.000 km Release Rate: <u>0.0000m³/s</u>
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Emergency Planning & Emergency Contact Information:

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EnerFAQs

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- Expressing Your Concerns – How to File a Statement of Concern About an Energy Resource Project
- How to Register a Private Surface Agreement

This notice is being provided to you pursuant to AER *Directive 051: Injection and Disposal Wells – Well Classifications, Completions, Logging, and Testing Requirements* and *Directive 065: Resources Applications for Oil and Gas Reservoirs* requirements. Should you require further information or clarification regarding this or any other proposed development by Dragos Energy Corporation please contact the Clint Jenson (COO) directly at **403-519-3497**.

Sincerely,

Dragos Energy Corporation

BY ITS AGENT, CANADA WEST LAND SERVICES LTD.



Melissa Enns



Dragos Energy Corp.
750 – 340 12th Ave SW
Calgary, AB, T2R 1L5
403-269-2459

June 21, 2018

Disposition Holder: **TPA165604**

Via Regular Mail

Douglas Lefebvre
PO Box 135
Grovedale, Alberta T0H 1X0

Re: PROPOSED RECOMPLETION AND DISPOSAL WELL INFORMATION LETTER
LANDS: SE25-069-06W6
WELL NAME: PROGRESS GOLDCK7-25-69-6
SURFACE LOCATION: 07-25-069-06W6

Dragos Energy Corporation (“Dragos”) is proposing to make application to Alberta Energy Regulator (“AER”) for approval to recompleate an existing well located at 07-25-069-06W6M for Class II and Ib disposal (as shown on the attached plot plan).

In accordance with AER *Directive 051: Injection and Disposal Wells – Well Classifications, Completions, Logging, and Testing Requirements* and *Directive 065: Resources Applications for Oil and Gas Reservoirs* Dragos is providing you with the following public notification and consultation document.

The wells total vertical depth will be approx. **1295.0 m** and will be recompleted and operated in accordance with good oilfield practices as well as Alberta Environment and AER regulations. The following table summarizes the AER regulations for this well:

Description	Industry/Public Notification	Disclosure/Notification Radius
Produced Water Disposal (Class Ib)	Industry <ul style="list-style-type: none">• Unit operator (if applicable)• Approval holder of scheme• All well licensees, including those of abandoned wells• All mineral lessees• All mineral lessors	A radius of 1.6 km from the proposed disposal well where the disposal zone is known to be present
	Public <ul style="list-style-type: none">• Landowners and occupants	A radius of 0.5 km

Specific information relative to this project is detailed below:

General Inquiries and Contact Persons:	Company (Drilling) Representative: Steve Laidlaw	Telephone No: (403)-869-9790
	Surface Land: Clint Jensen	Telephone No: (403) 519-3497
	Field Operations: Clint Jensen	Telephone No: (403) 519-3497
	Field/Construction Representative Clint Jensen	Telephone No: (403) 519-3497
Emergency Contact:	DRAGOS Main Line (24 hours)	Telephone No: (403) 269-2459
Surface Facility / Location:	SE 25-069-06W6	
General Description of Project:	DRAGOS proposes tor complete one (1) existing vertical well for Class II and Ib disposal located at7-25-69-6W6M.The disposal zone target formation (Cadium) does not contain H2S. Once approval has been granted, a service rig will be moved onto the location to complete and equip the well for disposal of water.	
Category / Type:	Category: Class II and Class Ib	

(From AER D51)	<p>Description: Class II</p> <p>Disposal refers to the injection of fluids into underground formations for purposes other than enhanced recovery or gas storage.</p> <p>Fluids included in a Class II disposal scheme may include:</p> <ul style="list-style-type: none">• Produced water associated with the recovery of oil, bitumen, gas, or coalbed methane• Brine from salt cavern or solution mining operations• Water-based pigging fluids from cleaning of collection and injection lines• Brine reject or backwash from water softeners associated with enhanced recovery• Water containing polymers or other chemicals for enhanced recovery• Waste fluids from circulation during well cementing• CaCl₂ water <p>Description: Class Ib</p> <p>List:</p> <ul style="list-style-type: none">• saline fluids as obtained from oilfield waste processing facilities, oilfield tank washing operations, oil spill containment and recovery, or similar operations• boiler blowdown water• liquid fraction of drilling muds, including KC1 muds, but excluding diesel inverts (in accordance with section 2.3)• aqueous liquid fractions of spent sweetening agents – neutralized (Cansweet 200,300, 300SX, 500, SulphaCheck, Sulfa-scrub)• amine filter backwash (eg. MEA, DBA, MDEA)• sulphur block run-off water - neutralized• inorganic salts used in heat exchange medium (eg. sodium/potassium nitrates/nitrites), properly solubilized using an existing aqueous waste stream• waste fluids from drilling operations (i.e. used in or originating from the wellbore)• spent workover or stimulation fluids (after neutralization and/or processing to recover hydrocarbons)• glycol solutions as obtained from dehydration operations• methanol or hydro-test solutions• acidic or alkaline solutions (neutralized) with heavy metal concentrations at or below the levels given in Schedule 1• gas scrubber or absorption tower bottom liquids (neutralized) with heavy metal concentrations at or below the levels of Schedule 1• washing waste water (i.e. detergent or soap wastes)• corrosion inhibitor solutions with heavy metal concentrations at or below Schedule 1 levels• oxygen scavenger solutions with heavy metal concentrations at or below Schedule 1 levels <p>A waste fluid that is not specifically listed above is suitable for disposal in a Class Ib well if it meets the following criteria:</p> <ul style="list-style-type: none">• has a pH between 6.0 and 9.0⁽¹⁾;• has a flash point greater than 61 °C ⁽²⁾, unless<ul style="list-style-type: none">i) is an untreatable sand or crude oil/water emulsion⁽³⁾, orii) is an antifreeze or dehydration fluid⁽⁴⁾;• has heavy metal concentrations at or below the levels specified in Schedule 1 ⁽⁵⁾; and• has a total combined concentration of halogenated organic compounds of less than 100 mg/kg⁽⁵⁾. <p>In addition to meeting the above criteria, information on the types and sources of wastes intended for disposal must be disclosed in the application for the disposal scheme. The information must support that the quality of the wastes is appropriate for the intended disposal zone based on well bore design/conditions, containment/isolation within the intended disposal zone, and protection of non-saline water sources. The AER will consider the information on a case-by-case basis while also considering other applicable provincial and federal acts and regulations, as well as information from other jurisdictions on deep-well disposal.</p>
Target Formation:	Cardium
Need for Proposed Development, Existing and Future Plans:	Dragos Energy requires disposal for 3 rd party produced water and oilfield waste within the Gold Creek Kakwa Area, Alberta.

Expected Substance Type:	<input checked="" type="checkbox"/> Oilfield/Industrial Wastes (Class Ia) <input checked="" type="checkbox"/> produced water/specified wastes (Class II) <input type="checkbox"/> All
Construction & Soil Conservation	Operational needs and environmental considerations will guide construction practices. Normal lease and access road construction practices involve separate stripping and storage of the A and B soil horizons. In the treed areas, the lease will be maintained in a manner to allow for eventual tree and bush regrowth. Efforts will be made to maintain topsoil quality, control weeds and minimize the number of trees and land that is disturbed. Upon abandonment, the following drilling of a “dry hole” or after the well has reached economic limit, the lease will be reclaimed in accordance with provincial regulations as dictated by Alberta Environment.
On-Site Equipment Required:	If the well is successful, the site will be equipped with tanks, pump and filter equipment, and constructed for ongoing injection purposes.
Potential Flaring Operations:	During drilling and completion operations, there is no potential for flaring/venting where no further notification is required.
Potential Emissions & Odours:	No significant odor emission during drilling and completion operations is anticipated.
Safety and Scheduling:	The wells will be equipped with standard oilfield safety equipment during each of the recompletion, equipping and ongoing operation phases. We anticipate commencing recompletion operations in Q3-2018 and expect the recompletion to take between 8-12days . If successful, the well will then be equipped with tank storage and fluid injection equipment. We anticipate this to take 30 days .
Anticipated Noise:	The noise associated with the drilling and completion operations will be temporary in nature and we will adhere to the regulations set out in Directive 038 (Noise Control Directive) that defines permissible sound levels for all activities associated with oil and gas operations. Noise generated by production equipment will be controlled and meet all AER regulations.
Traffic Impacts:	All associated traffic will travel along the leased access road. Drivers will be made aware of traffic concerns and we will strive to ensure the speed of all associated traffic is within safe and legal limits. Completion operations will require 3-4 loads of equipment and service vehicle traffic. Traffic during the ongoing operation phase will include multiple tank trucks daily and various service equipment as required.
Emergency Response Plan:	The proposed well is going to be completed in the Cardium which has no potential for H ₂ S. The Cardium zone in the area is a water wet zone with minimal to no hydrocarbons. The Cardium zone is over-pressured but is intended for the purpose of disposal and thus is not expected to produce or flow to surface at any time during operations. The Emergency Planning Radius is 0m from well center, a Site-Specific Emergency Response Plan will be present on location. Dragos Energy will follow its Corporate Emergency Response Plan in the unlikely event of an emergency during the drilling, completion or operation of the proposed well. Dragos Energy stands behind its reputation of drilling, operating and constructing high standard facilities designed to meet or exceed all AER, safety and environmental protection guidelines and regulations.
H₂S Concentration:	<u>00.0 mol/kmol</u> Emergency Planning Radius: <u>0.000 km</u> Release Rate: <u>0.0000m³/s</u>
Setbacks:	As with all wells, pipelines and facilities, there are setbacks put in place as a minimum distance between an energy facility and a dwelling, public facility, rural housing project or urban center. Simply put, setbacks prevent populated areas from developing too close to energy facilities or energy facilities getting too close to people. No development will be permitted within 100 meters of the well head unless all applicable relaxation consents can be obtained. Contact your local municipality for further details on their specific development setbacks and relaxation policies.
Hydraulic Isolation	Disposal approvals specify the disposal zone and limit injection to that zone only. Migration of disposal fluids to other zones is highly undesirable. Dragos Energy will provide the necessary logs, including pressure testing, and additional information to AER to confirm that there is no flow of injected fluid behind casing or associated aquifers based upon the initial pressure of the zone.

Emergency Planning & Emergency Contact Information:

Dragos Energy has a corporate Emergency Response Plan in place. The emergency contact number for Dragos Energy is **403-269-2459**. A site-specific emergency response plan is not required for this facility as per AER guidelines.

It is Dragos Energy Corporations intention to make application to the Alberta Energy Regulator for the approval of the above project a minimum of **14 calendar days** after the date of this letter.

As part of this information package please find enclosed the following documentation for your review:

- Survey Plan
- Plot Plan
- Radius Map
- Letter from the Chairman of the ERCB
- the ERCB brochure Understanding Oil and Gas Development in Alberta,
- EnerFAQs No. 7: Proposed Oil and Gas Development: A Landowner's Guide,
- the ERCB publication EnerFAQs No. 15: Objecting to an Energy Resource Project and the form Objecting to an Energy Resource Project, and

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Sincerely,

Dragos Energy Corporation

BY ITS AGENT, CANADA WEST LAND SERVICES LTD.



Melissa Enns



Dragos Energy Corp.
750 – 340 12th Ave SW
Calgary, AB, T2R 1L5
403-269-2459

June 21, 2018

Stakeholder

Via Regular Mail

WINDFALL RESOURCES LTD. C/O SCOTT LAND & LEASE LTD.
900,202- 6TH AVENUE SW
Calgary, Alberta T2P 2R9

Re: PROPOSED RECOMPLETION AND DISPOSAL WELL INFORMATION LETTER
LANDS: SE25-069-06W6
WELL NAME: PROGRESS GOLDCK7-25-69-6
SURFACE LOCATION: 07-25-069-06W6

Dragos Energy Corporation (“Dragos”) is proposing to make application to Alberta Energy Regulator (“AER”) for approval to recomplete an existing well located at 07-25-069-06W6M for Class II and Ib disposal (as shown on the attached plot plan).

In accordance with AER *Directive 051: Injection and Disposal Wells – Well Classifications, Completions, Logging, and Testing Requirements* and *Directive 065: Resources Applications for Oil and Gas Reservoirs* Dragos is providing you with the following public notification and consultation document.

The wells total vertical depth will be approx. **1295.0 m** and will be recompleted and operated in accordance with good oilfield practices as well as Alberta Environment and AER regulations. The following table summarizes the AER regulations for this well:

Description	Industry/Public Notification	Disclosure/Notification Radius
Produced Water Disposal (Class Ib)	Industry <ul style="list-style-type: none">• Unit operator (if applicable)• Approval holder of scheme• All well licensees, including those of abandoned wells• All mineral lessees• All mineral lessors	A radius of 1.6 km from the proposed disposal well where the disposal zone is known to be present
	Public <ul style="list-style-type: none">• Landowners and occupants	A radius of 0.5 km

Specific information relative to this project is detailed below:

General Inquiries and Contact Persons:	Company (Drilling) Representative: Steve Laidlaw	Telephone No: (403)-869-9790
	Surface Land: Clint Jensen	Telephone No: (403) 519-3497
	Field Operations: Clint Jensen	Telephone No: (403) 519-3497
	Field/Construction Representative Clint Jensen	Telephone No: (403) 519-3497
Emergency Contact:	DRAGOS Main Line (24 hours)	Telephone No: (403) 269-2459
Surface Facility / Location:	SE 25-069-06W6	
General Description of Project:	DRAGOS proposes to complete one (1) existing vertical well for Class II and Ib disposal located at 07-25-69-6W6M. The disposal zone target formation (Cardium) does not contain H ₂ S. Once approval has been granted, a service rig will be moved onto the location to complete and equip the well for disposal of water.	
Category / Type:	Category: Class II and Class Ib	

(From AER D51)	<p>Description: Class II</p> <p>Disposal refers to the injection of fluids into underground formations for purposes other than enhanced recovery or gas storage.</p> <p>Fluids included in a Class II disposal scheme may include:</p> <ul style="list-style-type: none">• Produced water associated with the recovery of oil, bitumen, gas, or coalbed methane• Brine from salt cavern or solution mining operations• Water-based pigging fluids from cleaning of collection and injection lines• Brine reject or backwash from water softeners associated with enhanced recovery• Water containing polymers or other chemicals for enhanced recovery• Waste fluids from circulation during well cementing• CaCl₂ water <p>Description: Class Ib</p> <p>List:</p> <ul style="list-style-type: none">• saline fluids as obtained from oilfield waste processing facilities, oilfield tank washing operations, oil spill containment and recovery, or similar operations• boiler blowdown water• liquid fraction of drilling muds, including KC1 muds, but excluding diesel inverts (in accordance with section 2.3)• aqueous liquid fractions of spent sweetening agents – neutralized (Cansweet 200,300, 300SX, 500, SulphaCheck, Sulfa-scrub)• amine filter backwash (eg. MEA, DBA, MDEA)• sulphur block run-off water - neutralized• inorganic salts used in heat exchange medium (eg. sodium/potassium nitrates/nitrites), properly solubilized using an existing aqueous waste stream• waste fluids from drilling operations (i.e. used in or originating from the wellbore)• spent workover or stimulation fluids (after neutralization and/or processing to recover hydrocarbons)• glycol solutions as obtained from dehydration operations• methanol or hydro-test solutions• acidic or alkaline solutions (neutralized) with heavy metal concentrations at or below the levels given in Schedule 1• gas scrubber or absorption tower bottom liquids (neutralized) with heavy metal concentrations at or below the levels of Schedule 1• washing waste water (i.e. detergent or soap wastes)• corrosion inhibitor solutions with heavy metal concentrations at or below Schedule 1 levels• oxygen scavenger solutions with heavy metal concentrations at or below Schedule 1 levels <p>A waste fluid that is not specifically listed above is suitable for disposal in a Class Ib well if it meets the following criteria:</p> <ul style="list-style-type: none">• has a pH between 6.0 and 9.0⁽¹⁾;• has a flash point greater than 61 °C ⁽²⁾, unless<ul style="list-style-type: none">i) is an untreatable sand or crude oil/water emulsion⁽³⁾, orii) is an antifreeze or dehydration fluid⁽⁴⁾;• has heavy metal concentrations at or below the levels specified in Schedule 1 ⁽⁵⁾; and• has a total combined concentration of halogenated organic compounds of less than 100 mg/kg⁽⁵⁾. <p>In addition to meeting the above criteria, information on the types and sources of wastes intended for disposal must be disclosed in the application for the disposal scheme. The information must support that the quality of the wastes is appropriate for the intended disposal zone based on well bore design/conditions, containment/isolation within the intended disposal zone, and protection of non-saline water sources. The AER will consider the information on a case-by-case basis while also considering other applicable provincial and federal acts and regulations, as well as information from other jurisdictions on deep-well disposal.</p>
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Sincerely,

Dragos Energy Corporation

BY ITS AGENT, CANADA WEST LAND SERVICES LTD.



Melissa Enns