



Resource Development Branch
Department of Natural Resources and Energy Development
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OIL AND NATURAL GAS WELL LICENCE APPLICATION

SECTION 1 – WELL OPERATOR INFORMATION

Date of application: YYYY/MM/DD		Proposed well name:	
Well Operator:			
Legal Name		Phone	Cellular
Mailing address			
City/Town	Province/State	Postal Code/Zip Code	Country
Contact person for well operator:			
Name		Title	E-mail
Lease / Licence to Search holder:			

(NEW WELL LICENCE – REFER TO SECTION 2) (WELL LICENCE AMENDMENT – REFER TO SECTION 3)

SECTION 2 – NEW WELL LICENCE

<input type="checkbox"/> New well		<input type="checkbox"/> Re-entry of a well			
Well Information:					
Well Type	<input type="checkbox"/> Production	<input type="checkbox"/> Injection	<input type="checkbox"/> Disposal	<input type="checkbox"/> Observation	<input type="checkbox"/> Other (specify) _____
Well Classification	<input type="checkbox"/> Exploration		<input type="checkbox"/> Development		
Drilling operation	<input type="checkbox"/> Vertical	<input type="checkbox"/> Directional	<input type="checkbox"/> Horizontal	<input type="checkbox"/> Slant	
Proposed Drilling Contractor:					
Rig name		Rig licence no.		Rig size	

(REFER TO SECTION 4)

SECTION 3 – WELL LICENCE AMENDMENT

<input type="checkbox"/> Update well information (transfer/name change/ownership)	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Wellbore Integrity / Well Design program update	<input type="checkbox"/> Suspend	<input type="checkbox"/> Produce	<input type="checkbox"/> Abandon
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Reason for well licence amendment:
General activity description:

Original Well Licence Number	
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(REFER TO SECTION 6)

SECTION 4 – LOCATION

Unit		Section		Grid Index Number	
Coordinates					
Latitude	°	'	"	Longitude	° ' "
Elevation		Grade		K.B.	

Bottom Hole Location (proposed):

Unit		Section		Grid Index Number	
Coordinates					
Latitude	°	'	"	Longitude	° ' "
Elevation		Grade		K.B.	

Well Depth:

True vertical depth	metres	Measured depth	metres
Formation at total depth			
Objective zone(s) and Operational information:			
Proposed production formations:	Fluid (oil/gas/water)	True vertical depth	Core
		metres	<input type="checkbox"/> Yes <input type="checkbox"/> No
		metres	<input type="checkbox"/> Yes <input type="checkbox"/> No
		metres	<input type="checkbox"/> Yes <input type="checkbox"/> No
		metres	<input type="checkbox"/> Yes <input type="checkbox"/> No

(REFER TO SECTION 5)

SECTION 5 – RIGHTS

Oil and Gas Lease / Licence to Search number		Expiration date YYYY/MM/DD
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Mineral Rights (claim) Owner: Address: Claim:	<input type="checkbox"/> Individual <input type="checkbox"/> Company <input type="checkbox"/> Other (specify)
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Surface land rights (well pad location): Owner: Address: PID:	<input type="checkbox"/> Individual <input type="checkbox"/> Company <input type="checkbox"/> Other (specify)
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(REFER TO SECTION 6)

SECTION 6 – SOUR WELL

Sour well declaration:	<input type="checkbox"/> Yes <input type="checkbox"/> No
Maximum expected hydrogen sulphide concentration	mcl/kmol
Distance to nearest populated area/dwelling	kilometres
Emergency planning zone radius	kilometres
Critical?	<input type="checkbox"/> Yes <input type="checkbox"/> No

(NEW WELL LICENCE – REFER TO SECTION 7) (WELL LICENCE AMENDMENT – REFER TO SECTION 8)

SECTION 7 – BLOWOUT PREVENTION / LOGGING

Blowout Prevention and Logging:			
Blowout prevention (Oil and Gas Drilling and Production Regulations?) <input type="checkbox"/> Class I well <input type="checkbox"/> Class II well <input type="checkbox"/> Class III well <input type="checkbox"/> Class IV well <input type="checkbox"/> Class V well			Log Type
Deviation surveys	Will be run at intervals less than 150 m?	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Well logs	Will run logs in hole for surface casing?	<input type="checkbox"/> Yes <input type="checkbox"/> No	
	Will run logs for intermediate hole?	<input type="checkbox"/> Yes <input type="checkbox"/> No	
	Will run logs in hole for total depth?	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Proposed casing and cementing program:									
Program	Drilling fluid type	Mud Weight (kg/m3)	Bit size (mm)	Casing outside diameter (mm)	Weight (kg/m)	Make	New or used	Setting depth (m)	Exp. cement (m3)
Conductor									
Surface									
Intermediate									
Production									

(REFER TO SECTION 8)

SECTION 8 – BLOWOUT PREVENTION / FLARE EQUIPMENT

Blowout Prevention / Flare Equipment:

General description:

(NEW WELL LICENCE – REFER TO SECTION 9) (WELL LICENCE AMENDMENT – REFER TO SECTION 10)**SECTION 9 – SECURITY****Well Abandonment Security:**

- | | | | |
|-------------------------------|--|--|---|
| <input type="checkbox"/> Cash | <input type="checkbox"/> Negotiable bond signed over to the Province | <input type="checkbox"/> Irrevocable documentary credit or letter of credit from a bank or other lending institution | <input type="checkbox"/> A bond from a surety company licensed to do business in the Province |
|-------------------------------|--|--|---|

(REFER TO SECTION 10)**SECTION 10 – DURATION OF OPERATION**

Duration of operations (days):	Proposed spud date YYYY/MM/DD	Proposed rig release date YYYY/MM/DD
Estimated cost:	Operations included (specify):	

(NEW WELL LICENCE - REFER TO SECTION 11) (WELL LICENCE AMENDMENT – REFER TO SECTION 12)**SECTION 11 – NEW WELL LICENCE CHECKLIST****Fees:**

- ☐ Well Authorization fee (\$200) per well (payable to the Minister of Finance);
- ☐ Well Abandonment Security Deposit (\$50,000) per well on the form stated;
- ☐ Proof of liability insurance coverage in the amount of \$10,000,000 for the applicant or agents.

Documentation:

- ☐ Provide a completed Drilling Program Summary form;
- ☐ Provide a detailed Drilling Program Summary (including logging, drilling fluid details and geological prognosis);
- ☐ Provide a Detailed casing and cementing program;
- ☐ Provide a Schematic Description of Blowout Prevention Equipment (BOPE);
- ☐ Provide a drilling rig specification/description;
- ☐ Provide rationale for proposed bottom hole location and a map showing spacing target/drainage area (where a well is part of a development plan).

(REFER TO SECTION 13)

SECTION 12 – AMENDMENT TO A WELL LICENCE CHECKLIST

Fees:

- ☐ Well Licence Amendment fee (\$50) per well (payable to the Minister of Finance);

Hydraulic Fracturing Operations:

- ☐ Provide an application made for an exemption to the moratorium on hydraulic fracturing imposed in the *Prohibition Against Hydraulic Fracturing Regulation*, NB Reg 2015-28 must be made to the Minister.
- ☐ Provide a detailed Hydraulic Fracturing Stimulation Program (HFSP), which can also include all the details for the Wellbore Completion Program (WCP).
- ☐ Provide updated information as required in the Development Plan or as required to evaluate / update the Unknown Geologic Area Conversion Report (UGACR).
- ☐ Provide the Inter-wellbore Communication Assessment (IWCA) for evaluation.
- ☐ Provide the Geological Containment Assessment (GCA) for evaluation.
- ☐ Provide the Induced Seismicity Assessment (ISA) for evaluation.
- ☐ Provide well testing / flaring / flowback operational details for evaluation.
- ☐ Provide well site configuration schematic, focusing on highlighting required set-backs.

Well Suspension Operations:

- ☐ Provide specific detailed programs for the work intended.
- ☐ Provide justifications for design changes and reasoning for proposed changes to the above applicable program/s.
- ☐ Provide detailed information related to the change in timelines for the use and plans for the noted wellbore.

Well Production Activities:

- ☐ Provide a project description letter and details related to the production activities.
- ☐ Provide current and proposed wellbore schematic diagrams.
- ☐ Provide current and proposed surface (BOP) configurations to accommodate well production.
- ☐ Provide well testing history information, including estimations of expected well pressure, predicted flow rate, and well decline.
- ☐ Provide well gas or oil composition tests.
- ☐ Provide expected work timelines and proposed activity completion dates.

Well Abandonment Operations:

- ☐ Provide specific detailed programs for the work intended.
- ☐ Provide justifications for design changes and reasoning for proposed changes to the above applicable program/s.

- ☐ Provide current and proposed wellbore schematic diagrams.
- ☐ Provide current and proposed surface BOP configurations.
- ☐ Provide flaring / flowback operational details for evaluation.
- ☐ Provide well site configuration schematic, focusing on highlighting required set-backs.
- ☐ Provide expected work timelines and proposed activity completion dates.

Wellbore Integrity / Well Design program update:

- ☐ Provide applicable updated detailed program/s noting changes from the original.
- ☐ Provide justifications for design changes and reasoning for proposed changes to the above applicable program/s.
- ☐ Provide a Declaration stating that the wellbore integrity is not affected by these changes noted in the above program/s for perceived future operations, or otherwise noting the specific parameters for which future operations will be limited by the changes.

Note: The Minister may require additional information prior to approval.

SECTION 13 – SIGNATURE

Signature

The applicant certifies that the information here and in all supporting documentation is correct and that the well will be constructed, operated, amended and abandoned in accordance with all regulatory requirements or as described by the Petroleum Engineer, Resource Development.

Name of Signatory: _____

Position: _____

Date: _____

Signature