

**Ministry of
Natural Resources**

Petroleum Operations Section
659 Exeter Rd.
London, ON N6E 1L3
Telephone: (519) 873-4635
Fax: (519) 873-4645

**Ministère des
Richesses naturelles**

le Centre des ressources en pétrole
659 rue Exeter
London, ON N6E 1L3
Téléphone : 519-873-4635
Télécopie 519-873-4645



February 28th, 2012

Ontario Energy Board
P.O. Box 2319
2300 Yonge Street, 27th Floor
Toronto, Ontario
M4P 1E4

Attention: Kirsten Walli, Board Secretary

Subject: **Licence to Drill within the Kimball-Colinville
Designated Natural Gas Storage Area
Ontario Energy Board Reference EB-2012-0060**

The Ministry of Natural Resources, Petroleum Operations Section, is referring the 4 drilling applications for observation wells received from Enbridge Gas Distribution Inc. to drill within the Gas Storage Area:

- TKC #63, Moore 6-18-VIII
- TKC #64, Moore 1-20-VI
- TKC #65, Moore 1-14-IV
- TKC #66, Moore 1-16-VIII

To ensure that the direction of the Board is followed, the applications are referred to the Board in accordance with Section 40 of the Ontario Energy Board Act, 1998.

If you have any questions, please give me a call.

Yours truly,

A handwritten signature in black ink, appearing to read "Joe Van Overberghe", with a long horizontal flourish extending to the right.

Joe Van Overberghe, Manager
Petroleum Operations Section
659 Exeter Road
London, Ontario
N6E 1L3
Encl.





Oil, Gas and Salt Resources Act
Application for a Well Licence

RECEIVED

Form 1

To the Minister of Natural Resources

The undersigned operator applies for a well licence under the Oil, Gas and Salt Resources Act and the Regulations thereunder and submits the following information, together with the application fee of \$100 + 13% HST.

1. WELL NAME TKC # 63 Moore 6-18-VIII Target Formation A-1 Carbonate

Purpose of Proposed Well (Well Type) Observation Well

2. OPERATOR Enbridge Gas Distribution Inc. Tel # 519-862-1473 Fax # 519-862-1168

Street Address 3595 Tecumseh Road City Mooretown Prov. ON Postal Code N0N 1M0

Mailing Address 3595 Tecumseh Road City Mooretown Prov. ON Postal Code N0N 1M0

Contact Name Kathy McConnell Contact Tel # 519-862-6032

3. LOCATION County Lambton Township Moore

Tract 6 Lot 18 Concession VIII Lake Erie: Shuck Tract Licence/Lease No

Surface location, 495.0 m North [X] South [] Latitude 42°51'16.722" Bottom-hole Lat. 42°51'16.722"

metres from Lot Boundaries 110.1 m East [X] West [] Longitude 82°22'10.021" Bottom-hole Long. 82°22'10.021"

Within 1.6 km of Designated Storage Area? Yes [X] No [] Off-target? Yes [] No [X]

4. WELL PARTICULARS Vertical [X] Horizontal [] Directional [] Deepening [] Re-entry [] Lateral []

Rig Type: Rotary [X] Cable [X] Well to be cored? Yes [] No [X] Formation at TD A-1 Evaporite

Ground Elevation 194.5 Proposed Depth 740.0 Proposed Depth TVD 740.00 Proposed Start Date 15.Mar.12

5. LANDOWNER O. Smith Tel # 519-862-3354

Street Address 3782 Tecumseh Road City Mooretown Prov. ON Postal Code N0N 1M0

The landowner hereby provides consent for the collection of their personal information, via the operator, as per Section 12 of this form. Landowner Signature: O. Smith

Pooling of the Spacing Unit or unitization of the Unit Area shown on the attached well location plan has been completed (see Ont. Reg. 245/97 definitions for "pooled spacing unit" and "unitize") Yes [X] No []

6. DRILLING CONTRACTOR T.W. Marsh Well Drilling and Servicing / Bradco Drilling Inc. Tel # 519-695-6060 / 519-689-4692

Address Box 53 / 14 Hattie St., Box 99 City Bothwell / Merlin Prov. ON Postal Code N0P 2C0 / N0P 1W0

7. PROPOSED CASING AND CEMENTING PROGRAM

Hole Size (mm)	Casing O.D. (mm)	Weight (kg/m)	Grade	New, Used or in-hole	Setting Depth TVD	Setting Formation	CASING SETTING INFORMATION		
							How Set	Cement Type	Cement Top KB / RF
340	340	81.1	LS	New	45	Kettle Point	Driven	nil	nil
312	244	48.06	H40	New	60	Kettle Point	Cement	G	surface
222	178	29.76	J55	New	402	F-Shale	Cement	G	surface
159	114	15.62	J55	New	699	A-2 Anhydrite	Cement	G	surface

8. BLOW-OUT PREVENTION EQUIPMENT 9" 2M Annular Preventor
7 - 1/16" 3M Annular Preventor and Double Gate

9. WELL SECURITY Name of Trustee Harrison Pensa LLP Total # Unplugged Wells 162 Current Balance \$70,000

10. REMARKS

11. ENCLOSURES Fee [X] Location Plan [X] (Land wells only) Drilling Program [X]

12. NOTICE OF COLLECTION
The Ministry of Natural Resources is collecting your personal information under the authority of the Oil, Gas and Salt Resources Act. Any personal information provided on this application will be used for licensing and law enforcement purposes only and will be protected in accordance with the Freedom of Information and Protection of Privacy Act. If you have questions about use of your personal information, please contact the Policy and Program Officer, Petroleum Resources Centre, Ministry of Natural Resources, 659 Exeter Road, London N6E1L3, 519-873-4638.

13. AUTHORITY
The undersigned certifies that the information provided herein is complete and accurate, the operator has the right to drill or operate a well in the above location, and he/she has authority to bind the operator.

Date (d/m/y) 08.Feb.12 Name J.E. Sanders Signature
Date of Birth 04.Apr.62 Company Enbridge Gas Distribution Inc. Title Director, Storage Operations



Oil, Gas and Salt Resources Act

Application for a Well Licence

RECEIVED

Form 1

To the Minister of Natural Resources

v.2010-07-04

The undersigned operator applies for a well licence under the Oil, Gas and Salt Resources Act and the Regulations thereunder and submits the following information, together with the application fee of \$100 + 13% HST.

MINISTRY OF NATURAL RESOURCES

1. WELL NAME TKC # 64 Moore 1-20-VI Target Formation A-1 CarbonatePurpose of Proposed Well (Well Type) Observation Well2. OPERATOR Enbridge Gas Distribution Inc. Tel # 519-862-1473 Fax # 519-862-1168Street Address 3595 Tecumseh Road City Mooretown Prov. ON Postal Code N0N 1M0Mailing Address 3595 Tecumseh Road City Mooretown Prov. ON Postal Code N0N 1M0Contact Name Kathy McConnell Contact Tel # 519-862-60323. LOCATION County Lambton Township MooreTract 1 Lot 20 Concession VI Lake Erie: Shuck Tract License/Lease No.Surface location, 150.90 m North ☐ South ☒ Latitude 42° 50' 12.525" Bottom-hole Lat. 42° 50' 12.525"metres from Lot Boundaries 295.2 m East ☐ West ☒ Longitude 82° 22' 57.714" Bottom-hole Long. 82° 22' 57.714"Within 1.6 km of Designated Storage Area? Yes ☒ No ☐ Off-target? Yes ☐ No ☒4. WELL PARTICULARS Vertical ☒ Horizontal ☐ Directional ☐ Deepening ☐ Re-entry ☐ Lateral ☐Rig Type: Rotary ☒ Cable ☒ Well to be cored? Yes ☐ No ☒ Formation at TD A-1 EvaporiteGround Elevation 192.60 Proposed Depth 701.0 Proposed Depth TVD 701.0 Proposed Start Date 15.Mar.125. LANDOWNER D. Miller Tel # 519-862-4985Street Address 348 Colborne Street City Corunna Prov. ON Postal Code N0N 1G0

The landowner hereby provides consent for the collection of their personal information, via the operator, as per Section 12 of this form.

Landowner Signature:

Pooling of the Spacing Unit or unitization of the Unit Area shown on the attached well location plan has been completed (see Ont. Reg. 245/97 definitions for "pooled spacing unit" and "unitize")

Yes ☒ No ☐6. DRILLING CONTRACTOR T.W. Marsh Well Drilling and Servicing / Bradco Drilling Inc. Tel # 519-695-6062 / 519-689-4692Address Box 53 / 14 Hattie St., Box 99 City Bothwell / Merlin Prov. ON Postal Code N0P 2C0 /

N0P 1W0

7. PROPOSED CASING AND CEMENTING PROGRAM

Hole Size (mm)	Casing O.D. (mm)	Weight (kg/m)	Grade	New, Used or in-hole	Setting Depth TVD	Setting Formation	CASING SETTING INFORMATION		
							How Set	Cement Type	Cement Top KB / RF
340	340	81.10	LS	New	42	Kettle Point	Driven	nil	nil
312	244	48.06	H40	New	57	Kettle Point	Cement	G	surface
222	178	29.76	J55	New	385	F Shale	Cement	G	surface
159	114	15.62	J55	New	660	A-2 Anhydrite	Cement	G	surface

8. BLOW-OUT PREVENTION EQUIPMENT 9" 2M Annular Preventor7-1/16" 3M Annular Preventor and Double Gate9. WELL SECURITY Name of Trustee Harrison Pensa LLP Total # Unplugged Wells 162 Current Balance \$70,000

10. REMARKS

11. ENCLOSURES

Fee ☒Location Plan ☒ (Land wells only)Drilling Program ☒

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If you have questions about use of your personal information, please contact the Policy and Program Officer, Petroleum Resources Centre, Ministry of Natural Resources, 659 Exeter Road, London N6E1L3, 519-873-4638.

13. AUTHORITY

The undersigned certifies that the information provided herein is complete and accurate, the operator has the right to drill or operate a well in the above location, and he/she has authority to bind the operator.

Date (d/m/y)	08.Feb.12	Name	J.E Sanders	Signature	
Date of Birth	04.Apr.62	Company	Enbridge Gas Distribution Inc.	Title	Director, Storage Operations



Oil, Gas and Salt Resources Act

Application for a Well Licence

Form 1

To the Minister of Natural Resources

v.2010-07-01

The undersigned operator applies for a well licence under the Oil, Gas and Salt Resources Act and the Regulations thereunder and submits the following information, together with the application fee of \$100 + 13% HST.

MINISTRY OF NATURAL RESOURCES

1. WELL NAME TKC # 65 Moore 1-14-IV Target Formation A-1 CarbonatePurpose of Proposed Well (Well Type) Observation Well2. OPERATOR Enbridge Gas Distribution Inc. Tel # 519-862-1473 Fax # 519-862-1168Street Address 3595 Tecumseh Road City Mooretown Prov. ON Postal Code N0N 1M0Mailing Address 3595 Tecumseh Road City Mooretown Prov. ON Postal Code N0N 1M0Contact Name Kathy McConnell Contact Tel # 519-862-60323. LOCATION County Lambton Township MooreTract 1 Lot 14 Concession IV Lake Erie: Stock Tract Licence/License No. Surface location, 113.05 m North ☐ South ☒ Latitude 42° 48' 42.407" Bottom-hole Lat. 42° 48' 42.407"metres from Lot Boundaries 335.60 m East ☒ West ☐ Longitude 82° 20' 19.581" Bottom-hole Long. 82° 20' 19.581"Within 1.6 km of Designated Storage Area? Yes ☒ No ☐ Off-target? Yes ☐ No ☒4. WELL PARTICULARS Vertical ☒ Horizontal ☐ Directional ☐ Deepening ☐ Re-entry ☐ Lateral ☐Rig Type: Rotary ☒ Cable ☒ Well to be cored? Yes ☐ No ☒ Formation at TD A-1 EvaporiteGround Elevation 190.45 Proposed Depth 688.0 Proposed Depth TVD 688.0 Proposed Start Date 15.Mar.125. LANDOWNER A. Eyre Tel # 519-864-7364Street Address 1519 Courtright Line City Brigden Prov. ON Postal Code N0N 1B0

The landowner hereby provides consent for the collection of their personal information, via the operator, as per Section 12 of this form.

Landowner Signature:

Pooling of the Spacing Unit or unitization of the Unit Area shown on the attached well location plan has been completed (see Ont. Reg. 245/97 definitions for "pooled spacing unit" and "unitize")

Yes ☒ No ☐6. DRILLING CONTRACTOR T.W. Marsh Well Drilling and Servicing / Bradco Drilling Inc. Tel # 519-695-6062 / 519-689-4692Address Box 53 / 14 Hattie St., Box 99 City Bothwell / Merlin Prov. ON Postal Code N0P 2C0 / N0P 1W0

7. PROPOSED CASING AND CEMENTING PROGRAM

Hole Size (mm)	Casing O.D. (mm)	Weight (kg/m)	Grade	New, Used or in-hole	Setting Depth TVD	Setting Formation	CASING SETTING INFORMATION		
							How Set	Cement Type	Cement Top KB / RF
340	340	81.10	LS	New	43	Kettle Point	Driven	nil	nil
312	244	48.06	H40	New	58	Kettle Point	Cement	G	surface
222	178	29.76	J55	New	391	F Shale	Cement	G	surface
159	114	15.62	J55	New	647.5	A-2 Anhydrite	Cement	G	surface

8. BLOW-OUT PREVENTION EQUIPMENT 9" 2M Annular Preventor
7-1/16" 3M Annular Preventor and Double Gate9. WELL SECURITY Name of Trustee Harrison Pensa LLP Total # Unplugged Wells 162 Current Balance \$70,000

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11. ENCLOSURES Fee ☒ Location Plan ☒ (Land wells only) Drilling Program ☒

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13. AUTHORITY

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Date (d/m/y)	08.Feb.12	Name	J.E. Sanders	Signature	
Date of Birth	04.Apr.62	Company	Enbridge Gas Distribution Inc.	Title	Director, Storage Operations



Oil, Gas and Salt Resources Act

Application for a Well Licence

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To the Minister of Natural Resources

The undersigned operator applies for a well licence under the Oil, Gas and Salt Resources Act and the Regulations thereunder and submits the following information, together with the application fee of \$100 + 13% HST.

1. WELL NAME TKC # 66 Moore 1-16-VIII Target Formation A-1 Carbonate

Purpose of Proposed Well (Well Type) Observation Well

2. OPERATOR Enbridge Gas Distribution Inc. Tel # 519-862-1473 Fax # 519-862-1168

Street Address 3595 Tecumseh Road City Mooretown Prov. ON Postal Code N0N 1M0

Mailing Address 3595 Tecumseh Road City Mooretown Prov. ON Postal Code N0N 1M0

Contact Name Kathy McConnell Contact Tel # 519-862-6032

3. LOCATION County Lambton Township Moore

Tract 1 Lot 16 Concession VIII Lake Erie: Shuck Tract Licensed/Lease No.

Surface location, 117 m North ☐ South ☒ Latitude 42°51'39.012" Bottom-hole Lat. 42°51'39.012"

metres from Lot Boundaries 119.5 m East ☐ West ☒ Longitude 82°20'59.680" Bottom-hole Long. 82°20'59.680"

Within 1.6 km of Designated Storage Area? Yes ☒ No ☐ Off-target? Yes ☐ No ☒

4. WELL PARTICULARS Vertical ☒ Horizontal ☐ Directional ☐ Deepening ☐ Re-entry ☐ Lateral ☐

Rig Type: Rotary ☒ Cable ☒ Well to be cored? Yes ☐ No ☒ Formation at TD A-1 Evaporite

Ground Elevation 195.5 Proposed Depth 727.0 Proposed Depth TVD 727.00 Proposed Start Date 15.Mar.12

5. LANDOWNER H. White Tel # 519-864-1786

Street Address 1445 Rokeby Line City Mooretown Prov. ON Postal Code N0N 1M0

The landowner hereby provides consent for the collection of their personal information, via the operator, as per Section 12 of this form. Landowner Signature: [Signature]

Pooling of the Spacing Unit or unitization of the Unit Area shown on the attached well location plan has been completed (see Ont. Reg. 245/97 definitions for "pooled spacing unit" and "unitize") Yes ☒ No ☐

6. DRILLING CONTRACTOR T.W. Marsh Well Drilling and Servicing / Bradco Drilling Inc. Tel # 519-695-6060 / 519-689-4692

Address Box 53 / 14 Hattie St., Box 99 City Bothwell / Merlin Prov. ON Postal Code N0P 2C0 / N0P 1W0

7. PROPOSED CASING AND CEMENTING PROGRAM

Hole Size (mm)	Casing O.D. (mm)	Weight (kg/m)	Grade	New, Used or in-hole	Setting Depth TVD	Setting Formation	CASING SETTING INFORMATION		
							How Set	Cement Type	Cement Top KB / RF
340	340	81.1	LS	New	42	Kettle Point	Driven	nil	nil
312	244	48.06	H40	New	57	Kettle Point	Cement	G	surface
222	178	29.76	J55	New	392	F-Shale	Cement	G	surface
159	114	15.62	J55	New	686	A-2 Anhydrite	Cement	G	surface

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Date (d/m/y) 08.Feb.12 Name J.E. Sanders Signature [Signature]
Date of Birth 04.Apr.62 Company Enbridge Gas Distribution Inc. Title Director, Storage Operations

