#### 46:54 a.m. 02-29-2012

1/10

### Ministry of Natural Resources

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

February 28th, 2012

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

### 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



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,

Joe Van Overberghe, Manager Petroleum Operations Section 659 Exeter Road London, Ontario

N6E 1L3

Encl.

Natural Resources 07:47:00 a.m. 02-29-2012

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the following information, together with the application fee of \$100 + 13%  $\mbox{HST}$ .



Oil, Gas and Salt Resources Act

## Application for a Well Licence

Form 1 To the Minister of Natural Resources

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 RAL RESOURCES

1. WELL N	AME			Target Formation A-1 Carbonate									
Purpose of I	Purpose of Proposed Well (Well Type)  Observation Well												
2. OPERAT	ror		Enbrid	lge Gas Distri	bution Inc.		Tel# 519-8	52-1473	Fax #	519-862-1168			
Street Addre	ess		3595 T	ecumseh Roa	ıd	ON	Mooretown	Freez. O	N Postsi Cou	NON 1M0			
Mailing Addi	ress		3595 Te	Mooretown	Prov. O	N Postal Code	NON 1MO						
Contact Nan	ne			Contact Tel # 519-862-6032									
3. LOCATIO	ON. C	County			· Moore								
Tract 6 Lot 18 Concession VIII Lake Erie: Stock Yeard Library No.													
Surface loca	ition,	495.0 m	North X	] South	Latitud	e 42°51'16.7	722" Bottom-hole Lat. 42°51'16.722"						
metres from Lot Boundar	les	110.1 m	n East[X	] West	Longitu	de 82°22'10.	021" Bott	om-hole Long	82°	22'10.021"			
Within 1.6 ki	m of Designat	ed Storage	Area?	YesX	No		Off-targe	r? Yes	No X				
4. WELL PA	ARTICULARS	5	Vertical X	] Hori	zontal	Directional	Deepening	Re-er	ıtry L	ateral			
Rig Type:	RotaryX	Cable	X	Well to be co	ored? Yes	☐ No[X]	Formation at To	D	A-1 Evapo	orite			
Ground Elev	ation 19	94.5 P	roposed De	epth740	0.0 Prop	osed Depth TVD	740.00 P	roposed Start	Date	15.Mar.12			
5. LANDOW	NER				O. Smith			Tel	519	-862-3354			
Street Addre	ss		3782 Te	cumseh Roa	d	ON	Mooretown	Prev, (	N Postal Co	NON 1MO			
	er herby provi rmation, via th					Landowner Signa	iture:	acon	, , , , , , , , , , , , , , , , , , ,	14 H			
_						hed well location plar nit" and "unitize")	n Yes X	No	}				
6. DRILLING	3 CONTRAC	TOR _	т.	W. Marsh We	ell Drilling and	Servicing / Bradco D	rilling Inc.	Tel#5	19-695-6060	/ 519-689-4692			
Address		Box 9	53 / 14 Hat	tie St., Box 99		оку В	othwell / Merlin	Prov. C	N Posta: Co	∞ N0P 2C0 /			
7. PROPOS	ED CASING	AND CEME	ENTING PE	ROGRAM						N0P 1W0			
								CASING	SETTING INF	ORMATION			
Hole Size (mm)	Casing O.D. (mm)	Weight (kg/m)	Grade	New, Used or in-hole	Setting Depth TVD	Setting Fo	rmation	How Set	Cement Type	Cement Top KB / RF			
340	340	81.1	LS	New	45	Kettle P	Point	Driven	nil	nil			
312	244	48.06	H40	New	60	Kettle P	oint	Cement	G	surface			
222	178	29.76	J55	New	402	F-Sha	ale	Cement	G	surface			
159	114	15.62	J55	New	699	A-2 Anh	ydrite	Cement	G	surface			
8. BLOW-OUT PREVENTION EQUIPMENT 9" 2M Annular Preventor 7 - 1/16" 3M Annular Preventor and Double Gate													
9. WELL SE		ime of Irus		Harrison	Pensa LLP	otal # Ur	nplugged Wells		rrent Balance	\$70,000			
10. REMARI	KS												
11. ENCLOS	URES	Fee [	X	Locati	on Plan X	(Land wells only)		Drilling Progra	m 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.

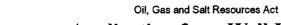
Date (d/m/y)	Date (d/m/y) 08.Feb.12 Name		J.E. Sanders	Signature	
Date of Birth	04.Apr.62	Company	Enbridge Gas Distribution Inc.	Title	Director, Storage Operations

**Natural Resources** 

02-29-2012

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Ontario



## Application for a Well Licence



_		To the Minister of Natural Resources										
he following i	ned operator	applies for	a well licen	ice under the (	Oil, Gas and S	alt Resources Act ar	nd the Regulation	s thereunder a	ind submits	314		
Johowing I	information, to	gether with	the applic	ation fee of \$1	100 + 13% HS	Т.				Allen Escul		
1. WELL NA	ME			TKC # 64 Mo	ore 1-20-VI		Target Fo		A-1 Cal	OF NATURAL RE		
ourpose of Pa	roposed Well	(Well Type	•)			Obse	ervation Well					
2. OPERATO	OR		Enbrid	lge Gas Distrit	oution Inc.		Tel # 519-86	2-1473	Fax #	519-862-1168		
Street Addres	ss		3595 Te	ecumseh Road	1	/5thy	Mooretown	Prov. Of	N Postal Code	NON 1MO		
Mailing Addre	ess		3595 Te	cumseh Road	ł	Oity	Mooretown	erca ON	Prov. ON Poster Code NON 1			
Contact Name	e			Kathy McC	Connell		Contact T	el#	519-862	-6032		
s. LOCATIO	N Co	ounty		Lambtor	1	Township		Mo	Moore			
Γract <u>1</u>	Lot	20	Conces	ssion	VI	Lake Erie	E 800K TO	aof Lic	ence/Leune (én			
Surface locati	ion, <u>15</u>	50.90 m	North _	South X	Latitude	42 <sup>0</sup> 50' 12.5	25" Botto	om-hole Lat.	42 <sup>0</sup> 5	0' 12.525"		
netres from ₋ot Boundarie	es <u>2</u>	95.2 m	East	WestX	Longitud	de 82º 22' 57	.714" Botto	om-hole Long.	82 <sup>0</sup>	22' 57.714"		
Vithin 1.6 km	n of Designate	ed Storage	Area?	YesX	No		Off-target	? Yes	No X			
. WELL PAI	RTICULARS		Vertical X	Horiz	zontal	Directional	Deepening	Re-en	try L	ateral		
Rig Type:	RotaryX	Cable	X	Well to be co	ored? Yes	No X	Formation at TE		A-1 Evapo	orite		
Ground Eleva	ation 192	60 Pr	oposed De	epth 701	.0 Propo	osed Depth TVD	701.0 Pi	roposed Start	Date	15.Mar.12		
. LANDOWI	NER		A4		D. Miller			Tel #	519	9-862-4985		
Street Addres	ss		348 Cc	olborne Street		ON	Corunna	Piev. C	N Postel C	ede NON 1G0		
	er herby provid	des consen	t for the co	lection of thei				1				
		e operator,	as per Seo	ction 12 of this	form.	Landowner Signa	-	r M	lle			
ooling of the	Spacing Unit	e operator, t or unitizati	as per Sec	ction 12 of this Unit Area show	form. In on the attact	Landowner Signa hed well location plar hit" and "unitize")	-	No No	llz			
Pooling of the las been com	Spacing Unit	e operator, t or unitizati ont. Reg. 24	as per Sec ion of the U 45/97 defin	ction 12 of this Unit Area show uitions for "poo	form. In on the attack	hed well location plan	Yes X	·	19-695-6062	/ 519-689-4692		
Pooling of the las been com	Spacing Unit	e operator, t or unitizati Ont. Reg. 24	as per Section of the U45/97 defin	ction 12 of this Unit Area show uitions for "poo	form.  In on the attack	hed well location plar nit" and "unitize") Servicing / Bradco Di	Yes X	Tel# _5		/ 519-689-4692		
Pooling of the has been com  DRILLING	s Spacing Unit	e operator, t or unitizati Ont. Reg. 24 FOR	as per Section of the U45/97 defin	ction 12 of this  Unit Area show  itions for "pool  W. Marsh We  tie St., Box 99	form.  In on the attack	hed well location plan it" and "unitize") Servicing / Bradco Di	Yes X	Tel# _5		oo NOP 2C0 /		
Pooling of the las been com  DRILLING	Spacing Unit	e operator, t or unitizati Ont. Reg. 24 FOR	as per Section of the U45/97 defin	ction 12 of this  Unit Area show  itions for "pool  W. Marsh We  tie St., Box 99	form.  In on the attack	hed well location plan it" and "unitize") Servicing / Bradco Di	Yes X	Tel#5	N Srooter Co	oo NOP 2C0 /		
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Pooling of the as been com DRILLING ddress PROPOSE	e Spacing Unit repleted (see Contract Contract Casing O.D.	e operator, t or unitizati ont. Reg. 24  FOR  Box 5  AND CEME  Weight	as per Section of the U45/97 defin T. 53 / 14 Hat	Unit Area show wittons for "poo W. Marsh We tie St., Box 99	form.  In on the attack led spacing un  If Drilling and S	hed well location plan hit" and "unitize") Servicing / Bradco Di osy B	Yes X rilling Inc. othwell / Merlin rmation	Tel# 5	SETTING IN	NOP 2C0 / NOP 1W0 FORMATION Cement Top		
Pooling of the last been come.  DRILLING address PROPOSE Hole Size (mm)	ED CASING A Casing O.D. (mm)	e operator, t or unitizati Ont. Reg. 24 FOR Box 5 AND CEME Weight (kg/m)	as per Section of the U45/97 defin T. 53 / 14 Hat ENTING PF	Jnit Area show ditions for "poot W. Marsh We tie St., Box 99 ROGRAM New, Used or in-hole	form.  In on the attack  In on	hed well location plan hed well location plan hed "unitize") Servicing / Bradco Di Oly B Setting Fo Kettle F	Yes X rilling Inc. othwell / Merlin rmation	Tel# 5	SETTING INI  Cement Type nil  G	NOP 2C0 / NOP 1W0  FORMATION  Cement Top  KB / RF  nil  surface		
DRILLING DRILLING ddress PROPOSE Hole Size (mm) 340	ED CASING A Casing O.D. (mm)	e operator, t or unitizati Ont. Reg. 24 FOR Box 5 AND CEME Weight (kg/m) 81.10	as per Section of the U45/97 defin T. 53 / 14 Hat ENTING PF	Unit Area show wittons for "poo W. Marsh We tie St., Box 99 ROGRAM New, Used or in-hole New	form.  In on the attack led spacing und It Drilling and S  Setting Depth TVD	hed well location plan hed well location plan it" and "unitize")  Servicing / Bradco Di Olly B  Setting Fo  Kettle F  Kettle F	Yes X rilling Inc. othwell / Merlin rmation Point	CASING : How Set Driven Cement Cement	SETTING INI  Cement Type  nil  G	NOP 2C0 / NOP 1W0  FORMATION  Cement Top KB / RF  nil surface surface		
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Pooling of the has been come.  DRILLING Address  PROPOSE (mm) 340 312 222	ED CASING A Casing O.D. (mm) 340 244 178	e operator, t or unitizati ont. Reg. 24 FOR Box 5 AND CEME Weight (kg/m) 81.10 48.06 29.76	as per Section of the U45/97 defin T. 53 / 14 Hat ENTING PF Grade LS H40 J55	Unit Area show wittons for "pool W. Marsh We tie St., Box 99  ROGRAM  New, Used or in-hole  New  New  New  New  New	Setting Depth TVD 42 57 385 660	hed well location plan it" and "unitize")  Servicing / Bradco Dr Olly B  Setting Fo  Kettle F  Kettle F  F Sha  A-2 Anh	Yes X rilling Inc. othwell / Merlin rmation Point	CASING : How Set Driven Cement Cement	SETTING INI  Cement Type  nil  G	NOP 2C0 / NOP 1W0  FORMATION  Cement Top KB / RF  nil surface surface		
Pooling of the last been come.  DRILLING  Address  PROPOSE  (mm)  340  312  222  159	ED CASING A Casing O.D. (mm) 340 244 178	e operator, t or unitizationt. Reg. 24 FOR Box 5 AND CEME Weight (kg/m) 81.10 48.06 29.76 15.62	as per Section of the U45/97 defin T. 53 / 14 Hat ENTING PF Grade LS H40 J55 J55	Juit Area show wittons for "pool W. Marsh We tie St., Box 99  ROGRAM  New, Used or in-hole  New  New  New  New  New  New  New	Setting Depth TVD 42 57 385 660	hed well location plan it" and "unitize")  Servicing / Bradco Dr Oily B  Setting Fo  Kettle F  Kettle F  F Sha  A-2 Anh	Yes X rilling Inc. othwell / Merlin rmation Point Point ale	CASING : How Set Driven Cement Cement	SETTING INI  Cement Type  nil  G	NOP 2C0 / NOP 1W0  FORMATION  Cement Top KB / RF  nil surface surface		
Pooling of the has been come.  DRILLING Address PROPOSE (mm) 340 312 222 159	ED CASING A Casing O.D. (mm) 340 244 178 114	e operator, t or unitizationt. Reg. 24 FOR Box 5 AND CEME Weight (kg/m) 81.10 48.06 29.76 15.62	as per Section of the U45/97 defin T. 53 / 14 Hat ENTING PF Grade LS H40 J55 J55	Juit Area show wittons for "pool W. Marsh We tie St., Box 99  ROGRAM  New, Used or in-hole  New  New  New  New  New  New  New	Setting Depth TVD 42 57 385 660	hed well location plan it" and "unitize")  Servicing / Bradco Dr Olly B  Setting Fo  Kettle F  Kettle F  F Sha  A-2 Anh	Yes X rilling Inc. othwell / Merlin rmation Point Point ale	CASING How Set Driven Cement Cement Cement	SETTING INI Cement Type nil G G G	NOP 2C0 / NOP 1W0  FORMATION  Cement Top KB / RF  nil  surface surface surface		
DRILLING DRI	ED CASING A Casing O.D. (mm) 340 244 178 114	e operator, t or unitizationt. Reg. 24 FOR Box 5 AND CEME Weight (kg/m) 81.10 48.06 29.76 15.62	as per Section of the U45/97 defin T. 53 / 14 Hat ENTING PR Grade LS H40 J55 J55	tion 12 of this  Jnit Area show itions for "poo  W. Marsh We  tie St., Box 99  ROGRAM  New, Used or in-hole  New New New New New New  New  1 2N  7-1/1	Setting Depth TVD 42 57 385 660	hed well location plan hed well location plan it" and "unitize")  Servicing / Bradco Di Oky B  Setting Fo  Kettle F  Kettle F  F Sha  A-2 Anh	Yes X rilling Inc. othwell / Merlin rmation Point Point ale	CASING How Set Driven Cement Cement Cement	SETTING INI  Cement Type  nil  G	NOP 2C0 / NOP 1W0  FORMATION  Cement Top KB / RF  nil  surface surface surface		
Pooling of the has been come.  DRILLING Address  PROPOSE (mm) 340 312 222 159  BLOW-OU	E Spacing Unit repleted (see Contract Contract Casing O.D. (mm) 340 244 178 114  UT PREVENT	e operator, t or unitizationt. Reg. 24 FOR Box 5 AND CEME Weight (kg/m) 81.10 48.06 29.76 15.62	as per Section of the U45/97 defin T. 53 / 14 Hat ENTING PR Grade LS H40 J55 J55	tion 12 of this  Jnit Area show itions for "poo  W. Marsh We  tie St., Box 99  ROGRAM  New, Used or in-hole  New New New New New New  New  1 2N  7-1/1	Setting Depth TVD 42 57 385 660 M Annular Prev	hed well location plan hed well location plan it" and "unitize")  Servicing / Bradco Di Oky B  Setting Fo  Kettle F  Kettle F  F Sha  A-2 Anh	Yes X rilling Inc. othwell / Merlin rmation Point Point ale ydrite	CASING How Set Driven Cement Cement Cement	SETTING INI Cement Type nil G G G	NOP 2C0 / NOP 1W0  FORMATION  Cement Top KB / RF  nil  surface surface surface		
Pooling of the has been come.  DRILLING Address  PROPOSE  Hole Size (mm) 340 312 222 159  BLOW-OU  WELL SEC	ESpacing Unit repleted (see Contract Contract Casing O.D. (mm) 340 244 178 114  UT PREVENT CURITY Na	e operator, tor unitizationt. Reg. 24  FOR  Box 5  AND CEME  Weight (kg/m)  81.10  48.06  29.76  15.62	as per Section of the U45/97 defin  T.  63 / 14 Hat  ENTING PF  Grade  LS  H40  J55  J55	Drit Area show wittons for "pool W. Marsh We tie St., Box 99  ROGRAM  New, Used or in-hole  New  New  New  New  New  New  New  Harrison	Setting Depth TVD 42 57 385 660 M Annular Prev 6" 3M Annular	hed well location plan it" and "unitize")  Servicing / Bradco Draw  Setting Fo  Kettle F  Kettle F  F Sha  A-2 Anh ventor Preventor and Doub	Yes X rilling Inc. othwell / Merlin rmation Point Point ale ydrite ole Gate inplugged Wells	Tel # 5  CASING How Set Driven Cement Cement Cement	SETTING INI Cement Type nil G G G	NOP 2C0 / NOP 1W0  FORMATION  Cement Top KB / RF  nil  surface surface surface		
Pooling of the has been come.  DRILLING Address PROPOSE (mm) 340 312 222 159  BLOW-OU	ESpacing Unit repleted (see Contract Contract Casing O.D. (mm) 340 244 178 114  UT PREVENT CURITY Na	e operator, tor unitizationt. Reg. 24  FOR  Box 5  AND CEME  Weight (kg/m)  81.10  48.06  29.76  15.62	as per Section of the U45/97 defin T. 53 / 14 Hat ENTING PR Grade LS H40 J55 J55	Drit Area show wittons for "pool W. Marsh We tie St., Box 99  ROGRAM  New, Used or in-hole  New  New  New  New  New  New  New  Harrison	Setting Depth TVD 42 57 385 660 M Annular Prev	hed well location plan hed well location plan it" and "unitize")  Servicing / Bradco Di Oky B  Setting Fo  Kettle F  Kettle F  F Sha  A-2 Anh	Yes X rilling Inc. othwell / Merlin rmation Point Point ale ydrite ole Gate inplugged Wells	CASING How Set Driven Cement Cement Cement	SETTING INI Cement Type nil G G G	NOP 2C0 / NOP 1W0  FORMATION  Cement Top KB / RF  nil  surface surface surface		
Pooling of the has been come.  DRILLING Address  PROPOSE  Hole Size (mm) 340 312 222 159  BLOW-OU  WELL SEC  0. REMARK  1. ENCLOSE  2. NOTICE (	ESpacing Unit repleted (see Contract Contract Casing O.D. (mm) 340 244 178 114  UT PREVENT CURITY Na CS  URES OF COLLECT	e operator, for unitizationt. Reg. 24  FOR  Box 5  AND CEME  Weight (kg/m)  81.10  48.06  29.76  15.62  ION EQUIF	as per Section of the U45/97 defin T. 53 / 14 Hat ENTING PR Grade LS H40 J55 J55 PMENT	ction 12 of this Unit Area show itions for "poo W. Marsh We tie St., Box 99 ROGRAM New, Used or in-hole New New New New New New Harrison	Setting Depth TVD  42  57  385  660  M Annular Prev 6" 3M Annular Pensa LLP	hed well location plan it" and "unitize")  Servicing / Bradco Di ONY B  Setting Fo  Kettle F  Kettle F  F Sha  A-2 Anh ventor Preventor and Doub  Total # Unitize  (Land wells only)	Yes X rilling Inc. othwell / Merlin rmation Point Point ale ydrite ole Gate inplugged Wells	Tel # _5  CASING: How Set Driven Cement Cement Cement Cement	SETTING INI Cement Type nil G G G G  arrent Balance	NOP 2C0 / NOP 1W0  FORMATION  Cement Top KB / RF  nil surface surface surface		
Pooling of the has been come.  DRILLING Address  PROPOSE  Hole Size (mm)  340  312  222  159  BLOW-OU  WELL SEC  0. REMARK  1. ENCLOSE the Ministry of I	E Spacing Unit repleted (see Contract Contract Casing O.D. (mm) 340 244 178 114  UT PREVENT CURITY Na CS  URES OF COLLEC Natural Resour	e operator, for unitization. Reg. 24  FOR  Box 5  AND CEME  Weight (kg/m)  81.10  48.06  29.76  15.62  ION EQUIF	as per Section of the U45/97 defining T.	Unit Area show itions for "pool W. Marsh We tie St., Box 99  ROGRAM  New, Used or in-hole  New  New  New  New  New  New  Locations of this information in the informa	Setting Depth TVD 42 57 385 660  M Annular Prevention Plan X  tion under the autocal	hed well location plan it" and "unitize")  Servicing / Bradco Draw  Setting Fo  Kettle F  Kettle F  F Sha  A-2 Anh ventor Preventor and Doub	Yes X rilling Inc. othwell / Merlin rmation Point Point ale ydrite ple Gate and Salt Resource	Tel # _5  CASING: How Set Driven Cement Cement Cement Cement	SETTING INI Cement Type nil G G G G urrent Balance	NOP 2C0 / NOP 1W0  FORMATION  Cement Top KB / RF  nil surface surface surface surface		

## 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		

**Natural Resources** 07:47:36 a.m.

02-29-2012



Oil, Gas and Salt Resources Act

## Application for a Well Licence

v.2010-07-01 To the Minister of Natural Resources Form 1 INCF The undersigned operator applies for a well licence under the Oil, Gas and Salt Resources Act and the Regulations thereunder and submits PUTTING OF PART OF ARECUMETS the following information, together with the application fee of \$100 + 13% HST. 1. WELL NAME TKC # 65 Moore 1-14-IV Target Formation A-1 Carbonate Observation Well Purpose of Proposed Well (Well Type) Tel# 519-862-1473 Fax# 519-862-1168 Enbridge Gas Distribution Inc. 2. OPERATOR NON 1M0 3595 Tecumseh Road Mooretown From ON Postal Code Street Address NON 1M0 ON Postal Code 3595 Tecumseh Road City Mooretown Mailing Address 519-862-6032 Contact Tel # Kathy McConnell Contact Name Moore Township Lambton 3. LOCATION County IV Lake Erie: 8868 14 Concession 42<sup>0</sup> 48' 42.407" 42<sup>0</sup> 48' 42.407" Bottom-hole Lat. South X Latitude 113.05 m North metres from 82° 20' 19.581" 82° 20' 19.581" Bottom-hole Long. 335.60 m East X West Longitude Lot Boundaries No X Off-target? YesX No Within 1.6 km of Designated Storage Area? Deepening Re-entry Horizontal Directional Vertical X 4. WELL PARTICULARS A-1 Evaporite NoX Formation at TD Cable X Well to be cored? RotaryX Rig Type: 15.Mar.12 688.0 Proposed Start Date Proposed Depth TVD 688.0 190.45 Proposed Depth 519-864-7364 A. Eyre 5. LANDOWNER N0N 1B0 ON Brigden OW 1519 Courtright Line Street Address The landowner herby 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") YesX No Tel# 519-695-6062 / 519-689-4692 T.W. Marsh Well Drilling and Servicing / Bradco Drilling Inc. 6. DRILLING CONTRACTOR N0P 2C0 / Bothwell / Merlin Prov. Poster Code Box 53 / 14 Hattie St., Box 99 NOP 1W0 7. PROPOSED CASING AND CEMENTING PROGRAM CASING SETTING INFORMATION Cement Top How Cement Setting Formation Grade Setting New, Used Casing O.D. Weight Hole Size KB/RF Set Type Depth TVD or in-hole (kg/m) (mm) (mm) nil Driven nil Kettle Point LS New 43 340 81,10 340 surface G Kettle Point Cement 58 48.06 H40 New 312 244 G surface F Shale Cement 391 J55 29.76 222 178 surface G Cement A-2 Anhydrite 647.5 15.62 J55 New 114 159 8. BLOW-OUT PREVENTION EQUIPMENT 9" 2M Annular Preventor 7-1/16" 3M Annular Preventor and Double Gate Total # Unplugged Wells 162 Harrison Pensa LLP 9. WELL SECURITY Name of Trustee 10. REMARKS Drilling Program Location Plan X (Land wells only) 11. ENCLOSURES 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 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 N6Fill.3, 519-873-463K.

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.

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

Natural Resources 07:47:54 a.m. 02-29-2012

8/10

02-29-2012

Ontario

Oil, Gas and Salt Resources Act

# Application for a Well Licence

orm 1				To	the Minister of	Natural Resources Resources Act an	s id the Regulatio	ons thereunder a	nd submits	v.2010-07-01 نُــُ الله عليه	
he undersign e following in	ed operator ap nformation, tog	plies for a ether with t	well licence the applicat	ion fee of \$10	n, Gas and San 10 + 13% HST.	Tresources Moral				فعة ١٩٤٤م الكارلة على ١٩٠٠م تا	
. WELL NAM	иE		T	C # 66 Moor	e 1-16-VIII		Target Formation A-1 Carbonate				
urpose of Pro	oposed Well (	Well Type)	<u></u>			Obs	ervation Well		<u> </u>		
. OPERATO	R		Enbridge	e Gas Distribu	ution Inc.		Tel# 519-	862-1473	Fax #51	9-862-1168	
treet Addres:	s		3595 Tec	umseh Road		ON	Mooretown	Prov. Of	Postal Costs	NON 1MO	
lailing Addre	ss		3595 Tec	umseh Road		Oity	Mooretown	Prev. Of	N Postal Code	NON 1MO	
ontact Name	·			Kathy McCo	onnell		Contac	t Tel #	519-862-6	032	
. LOCATIO	N Co	unty		Lambton		Township		M	oore		
ract <u>1</u>	Lot	16	Concess	ion	VIII	Lake Eric	B) BRIOK	Yraci Lis	oence/Leuce No	<u>.                                    </u>	
urface locati	on, <u>1</u>	17 m	North	South X	Latitude	42 <sup>0</sup> 51 39.0	12" B	ottom-hole Lat.	42 <sup>0</sup> 51	39.012"	
netres from ot Boundarie	es <u>11</u>	9.5 m	East [	WestX	Longitude	82 <sup>0</sup> 20'59	.680" B	ottom-hole Long.	82°2	0'59.680"	
Vithin 1.6 km	of Designated	d Storage A	Area?	Yes X	No		Off-tar	get? Yes	No[X		
. WELL PA	RTICULARS	,	Vertical X	Horiz	on <b>ta</b> l	Directional	Deepening	Re-er	ntry La	iteral	
Rig Type:	RotaryX	Cable[	X	Well to be co	red? Yes	NoX	Formation al	TD	A-1 Evapor	ite	
Ground Eleva		5.5 Pro	oposed Dep	oth	0 Propos	sed Depth TVD	727.00	Proposed Start	Date	15.Mar.12	
5. LANDOW	NER				H. White			Tel	# 519-	864-1786	
Street Addres	ss		1445 F	Rokeby Line		0W	Mooretown	Stev.	ON Postel Co	NON 1MO	
The landowne	er herby provid	les consen	t for the col	lection of thei	r	Landowner Sign		Larle	21.12/16	1	
has been con	e Spacing Unit  npleted (see C	nt. Reg. 24	45/97 defini	tions for "poo	led spacing uni	ned well location pla it" and "unitize") Servicing / Bradco l	Orilling Inc.	-		/ 519-689-4692	
Address		Box	53 / 14 Hatt	ie St., Box 99	<u> </u>	Oity	Bothwell / Meri	in Proc	ON Prostati Co	NOP 1W0	
7. PROPOS	ED CASING	AND CEME	ENTING PE	ROGRAM	<del></del>			CASING	SETTING IN	ORMATION	
Hole Size	Casing O.D.	Weight	Grade	New, Used	Setting Depth TVD	Setting F	ormation	How Set	Cement Type	Cement Top KB / RF	
(mm)	(mm) 340	(kg/m) 81.1	LS	New	42	Kettle	Point	Driven	nil	nil	
340 312	244	48.06	H40	New	57	Kettle	Point	Cement	G	surface surface	
222	178	29.76	J55	New	392		hale	Cement	G	surface	
159	114	15.62	J55_	New	686	A-2 Ar	hydrite	Cement			
									<u></u>		
8. BLOW-O	UT PREVEN	ION EQUI	PMENT	9° 2 7 - 1	M Annular Prev 1/16" 3M Annula	ventor ar Preventor and D	ouble Gate				
9. WELL SI	ECURITY N	ame of Tru	stee		n Pensa LLP		Unplugged We	alls <u>162</u>	Current Balanc	e \$70,000	
10. REMAR		. <u> </u>									
							<u></u>	<del></del>			
11. ENCLO	SURES	Fee	X	Loca	ition Plan X	(Land wells only)		Drilling Pro	gram 🛚 🗙		
The Ministry o		urces is colle			sone only and will	authority of the Oil, G	OLDSLICE MIDI RIE	I teedout or more			
this application If you have quest	on will be used f ions shout use of yo	or neensing our personal infe	ormation, please	contact the Policy	and Program Officer,	, Petroleum Resources Cer	ntre, Ministry of Natu	nd Resources, 659 Fixe	ter Road, London N6	E11.3, \$19-873-4638.	
13. AUTHO	RITY gned certifies	that the inf	ormation pr	ovided herein		nd accurate, the op					
location, and	d he/she has a			erator.		1	Cianat	,			
D-4- 144-63	08 E4	L 12	Name		J.E. Şand	ders	Signatu	عنسسست	_		

J.E. Sanders

Enbridge Gas Distribution Inc.

Director, Storage Operations

Title

08.Feb.12

04.Apr.62

Date (d/m/y)

Date of Birth

Name

Company

Natural Resources 07:48:13 a.m. 02-29-2012 10 /10