

FIELD DESIGNATION

0517 2001-02-01 JACK FIELD

POOL DESIGNATION

0517 264001 2010-04-01 SPIRIT RIVER A
0517 264002 2010-04-01 SPIRIT RIVER B
0517 264003 2001-02-01 SPIRIT RIVER C
0517 264004 2010-04-01 SPIRIT RIVER D
0517 264005 2001-02-01 SPIRIT RIVER E
0517 264006 2001-02-01 SPIRIT RIVER F
0517 264007 2001-02-01 SPIRIT RIVER G

0517 304001 2001-02-01 BLUESKY A

0517 326001 2001-02-01 GETHING A

0517 524001 2010-04-01 MONTNEY A
0517 524002 2001-02-01 MONTNEY B
0517 524003 2001-02-01 MONTNEY C
0517 524004 2001-02-01 MONTNEY D

COMMINGLED PRODUCTION

MU 3049 4 Sep 2003

SUBSURFACE DISPOSAL SCHEMES

App 8150B 13 Nov 2012
Class II
Long Run Exploration Ltd.

FIELD DESIGNATION

1120 2004-11-01 JACKPOT FIELD

POOL DESIGNATION

1120 758001 2003-01-01 SLAVE POINT A

1120 758002 2003-05-01 SLAVE POINT B

1120 758003 2004-11-01 SLAVE POINT C

1120 758004 2006-12-01 SLAVE POINT D

1120 758005 2008-11-01 SLAVE POINT E

1120 767501 2008-06-01 SULPHUR POINT A

1120 772101 2008-06-01 KEG RIVER A

1120 772102 2008-06-01 KEG RIVER B

FIELD DESIGNATION

0498 2004-12-01 JARVIE FIELD

POOL DESIGNATION

0498 218001 2010-04-01 VIKING A
0498 218002 2010-05-01 VIKING B
0498 218006 2001-02-01 VIKING F
0498 218008 2001-02-01 VIKING H
0498 218009 2010-04-01 VIKING I
0498 218011 2001-02-01 VIKING K
0498 218015 2005-06-01 VIKING O
0498 218016 2010-04-01 VIKING P
0498 218017 2007-07-01 VIKING Q
0498 218018 2007-10-01 VIKING R
0498 218019 2008-05-01 VIKING S
0498 218020 2008-08-01 VIKING T
0498 218021 2009-01-01 VIKING U
0498 218022 2010-11-01 VIKING V

0498 250001 2001-02-01 UPPER MANNVILLE A
0498 250002 2001-02-01 UPPER MANNVILLE B
0498 250003 2015-02-01 UPPER MANNVILLE C
0498 250004 2001-02-01 UPPER MANNVILLE D
0498 250005 2001-02-01 UPPER MANNVILLE E
0498 250006 2001-09-01 UPPER MANNVILLE F
0498 250007 2002-05-01 UPPER MANNVILLE G
0498 250008 2002-11-01 UPPER MANNVILLE H
0498 250009 2002-11-01 UPPER MANNVILLE I
0498 250010 2003-10-01 UPPER MANNVILLE J
0498 250011 2005-07-01 UPPER MANNVILLE K
0498 250012 2007-07-01 UPPER MANNVILLE L
0498 250013 2009-03-01 UPPER MANNVILLE M
0498 250014 2017-02-01 UPPER MANNVILLE N

0498 300001 2004-11-01 GLAUCONITIC A
0498 300002 2010-04-01 GLAUCONITIC B

POOL DESIGNATION (cont'd)

0498 300003 2001-02-01 GLAUCONITIC C
0498 300004 2001-02-01 GLAUCONITIC D
0498 300005 2001-02-01 GLAUCONITIC E
0498 300006 2001-02-01 GLAUCONITIC F
0498 300007 2001-02-01 GLAUCONITIC G
0498 300008 2002-06-01 GLAUCONITIC H
0498 300009 2002-11-01 GLAUCONITIC I
0498 300010 2014-04-01 GLAUCONITIC J
0498 300011 2011-05-01 GLAUCONITIC K

0498 316001 2011-09-01 OSTRACOD A

0498 336001 2001-02-01 ELLERSLIE A
0498 336002 2001-02-01 ELLERSLIE B
0498 336005 2001-02-01 ELLERSLIE E
0498 336006 2006-11-01 ELLERSLIE F
0498 336007 2002-10-01 ELLERSLIE G
0498 336008 2001-02-01 ELLERSLIE H
0498 336009 2001-02-01 ELLERSLIE I
0498 336010 2001-02-01 ELLERSLIE J
0498 336011 2010-04-01 ELLERSLIE K
0498 336012 2001-09-01 ELLERSLIE L
0498 336013 2010-04-01 ELLERSLIE M
0498 336014 2004-12-01 ELLERSLIE N
0498 336015 2005-10-01 ELLERSLIE O
0498 336016 2013-03-01 ELLERSLIE P

SPACING PATTERN

SU 2636 3 Apr 1996
SU 2636A 6 May 2004

COMMINGLED PRODUCTION

MU 5260 9 Feb 2006

MISCELLANEOUS ORDERS

MISC 8809 12 May 1988
Lease clean-up
Jarvie Area

FIELD DESIGNATION

0487 2010-06-01 JARVIE NORTH FIELD

POOL DESIGNATION

0487 218001 2010-04-01 VIKING A
0487 218002 2010-04-01 VIKING B

0487 250001 2011-08-01 UPPER MANNVILLE A
0487 250005 2007-07-01 UPPER MANNVILLE E
0487 250006 2007-07-01 UPPER MANNVILLE F
0487 250007 2010-04-01 UPPER MANNVILLE G
0487 250008 2011-08-01 UPPER MANNVILLE H
0487 250009 2010-04-01 UPPER MANNVILLE I
0487 250010 2010-04-01 UPPER MANNVILLE J
0487 250011 2010-05-01 UPPER MANNVILLE K
0487 250012 2010-10-01 UPPER MANNVILLE L
0487 250013 2011-09-01 UPPER MANNVILLE M

0487 300001 2010-04-01 GLAUCONITIC A
0487 300003 2001-02-01 GLAUCONITIC C

0487 336001 2001-02-01 ELLERSLIE A
0487 336002 2010-04-01 ELLERSLIE B
0487 336003 2001-02-01 ELLERSLIE C
0487 336004 2001-03-01 ELLERSLIE D
0487 336005 2002-11-01 ELLERSLIE E
0487 336006 2010-04-01 ELLERSLIE F
0487 336007 2010-04-01 ELLERSLIE G

COMMINGLED PRODUCTION

MU 1360 4 Oct 1996

FIELD DESIGNATION

0493 2009-11-01 JASLAN FIELD

POOL DESIGNATION

0493 250001 2001-02-01 UPPER MANNVILLE A
0493 250002 2001-02-01 UPPER MANNVILLE B
0493 250003 2001-03-01 UPPER MANNVILLE C
0493 250004 2001-03-01 UPPER MANNVILLE D
0493 250006 2007-04-01 UPPER MANNVILLE F
0493 250007 2007-08-01 UPPER MANNVILLE G
0493 250008 2007-10-01 UPPER MANNVILLE H

0493 262001 2001-02-01 GRAND RAPIDS A
0493 262002 2001-02-01 GRAND RAPIDS B
0493 262003 2001-02-01 GRAND RAPIDS C
0493 262004 2001-02-01 GRAND RAPIDS D
0493 262005 2001-02-01 GRAND RAPIDS E
0493 262006 2010-04-01 GRAND RAPIDS F
0493 262007 2001-02-01 GRAND RAPIDS G
0493 262008 2001-02-01 GRAND RAPIDS H
0493 262009 2001-02-01 GRAND RAPIDS I
0493 262010 2001-02-01 GRAND RAPIDS J
0493 262011 2001-03-01 GRAND RAPIDS K
0493 262012 2004-08-01 GRAND RAPIDS L
0493 262013 2004-11-01 GRAND RAPIDS M
0493 262014 2007-05-01 GRAND RAPIDS N
0493 262015 2005-02-01 GRAND RAPIDS O
0493 262016 2005-08-01 GRAND RAPIDS P
0493 262017 2005-08-01 GRAND RAPIDS Q
0493 262018 2007-05-01 GRAND RAPIDS R
0493 262019 2007-07-01 GRAND RAPIDS S
0493 262020 2010-02-01 GRAND RAPIDS T
0493 262021 2010-01-01 GRAND RAPIDS U
0493 262022 2012-06-01 GRAND RAPIDS V

0493 280001 2004-12-01 CLEARWATER A

POOL DESIGNATION (cont'd)

0493 280002 2010-04-01 CLEARWATER B

0493 328001 2008-03-01 MCMURRAY A

0493 658001 2001-03-01 WABAMUN A

COMMINGLED PRODUCTION

MU 5303 24 Feb 2006

FIELD DESIGNATION

0499 2005-08-01 JEFFREY FIELD

POOL DESIGNATION

0499 218001 2001-03-01 VIKING A
0499 218002 2007-10-01 VIKING B

0499 250001 2001-02-01 UPPER MANNVILLE A
0499 250003 2001-02-01 UPPER MANNVILLE C
0499 250004 2004-08-01 UPPER MANNVILLE D
0499 250005 2001-02-01 UPPER MANNVILLE E
0499 250006 2001-02-01 UPPER MANNVILLE F
0499 250007 2008-09-01 UPPER MANNVILLE G
0499 250008 2001-02-01 UPPER MANNVILLE H
0499 250009 2001-02-01 UPPER MANNVILLE I
0499 250010 2009-01-01 UPPER MANNVILLE J
0499 250011 2007-07-01 UPPER MANNVILLE K
0499 250012 2008-05-01 UPPER MANNVILLE L
0499 250013 2008-05-01 UPPER MANNVILLE M
0499 250014 2009-10-01 UPPER MANNVILLE N
0499 250015 2011-03-01 UPPER MANNVILLE O
0499 250016 2011-05-01 UPPER MANNVILLE P

0499 300001 2001-02-01 GLAUCONITIC A
0499 300002 2010-04-01 GLAUCONITIC B
0499 300003 2005-08-01 GLAUCONITIC C
0499 300004 2007-03-01 GLAUCONITIC D
0499 300005 2007-09-01 GLAUCONITIC E

0499 336001 2001-02-01 ELLERSLIE A
0499 336002 2001-02-01 ELLERSLIE B
0499 336007 2007-03-01 ELLERSLIE G
0499 336008 2001-02-01 ELLERSLIE H
0499 336009 2001-02-01 ELLERSLIE I
0499 336010 2008-09-01 ELLERSLIE J
0499 336011 2001-02-01 ELLERSLIE K

POOL DESIGNATION (cont'd)

0499 336012	2001-02-01	ELLERSLIE L
0499 336013	2001-02-01	ELLERSLIE M
0499 336014	2001-02-01	ELLERSLIE N
0499 336015	2001-02-01	ELLERSLIE O
0499 336016	2006-05-01	ELLERSLIE P
0499 336017	2007-03-01	ELLERSLIE Q
0499 336018	2007-07-01	ELLERSLIE R
0499 336019	2007-07-01	ELLERSLIE S

0499 350001	2001-02-01	DETRITAL A
0499 350002	2007-12-01	DETRITAL B

0499 658001	2001-02-01	WABAMUN A
0499 658002	2006-05-01	WABAMUN B

COMMINGLED PRODUCTION

MU 4555 15 Aug 2005

FIELD DESIGNATION

0500 2011-11-01 JENNER FIELD

POOL DESIGNATION

0500 126001 2010-02-01 BELLY RIVER A
0500 126005 2001-02-01 BELLY RIVER E
0500 126008 2001-02-01 BELLY RIVER H
0500 126009 2015-06-01 BELLY RIVER I
0500 126010 2012-08-01 BELLY RIVER J
0500 126011 2001-02-01 BELLY RIVER K
0500 126014 2008-06-01 BELLY RIVER N
0500 126015 2001-02-01 BELLY RIVER O
0500 126021 2002-05-01 BELLY RIVER U
0500 126025 2005-09-01 BELLY RIVER Y
0500 126026 2006-07-01 BELLY RIVER Z
0500 126027 2008-05-01 BELLY RIVER AA
0500 126028 2010-05-01 BELLY RIVER BB
0500 126029 2010-10-01 BELLY RIVER CC
0500 126030 2014-05-01 BELLY RIVER DD

0500 134009 2005-05-01 BASAL BELLY RIVER I
0500 134011 2007-01-01 BASAL BELLY RIVER K
0500 134012 2008-05-01 BASAL BELLY RIVER L
0500 134013 2008-06-01 BASAL BELLY RIVER M
0500 134015 2008-06-01 BASAL BELLY RIVER O
0500 134016 2008-07-01 BASAL BELLY RIVER P

0500 160002 2002-11-01 COLORADO B

0500 162001 2011-01-01 FIRST WHITE SPECKS A
0500 162002 2011-01-01 FIRST WHITE SPECKS B
0500 162003 2011-01-01 FIRST WHITE SPECKS C
0500 162004 2011-01-01 FIRST WHITE SPECKS D

0500 213001 2009-03-01 BOW ISLAND A

POOL DESIGNATION (cont'd)

0500 218001 2002-04-01	VIKING A
0500 218005 2001-02-01	VIKING E
0500 218006 2001-09-01	VIKING F
0500 218008 2010-04-01	VIKING H
0500 218010 2004-08-01	VIKING J
0500 218011 2001-02-01	VIKING K
0500 218012 2015-06-01	VIKING L
0500 218013 2001-02-01	VIKING M
0500 218014 2001-02-01	VIKING N
0500 218015 2001-02-01	VIKING O
0500 218016 2014-10-01	VIKING P
0500 218017 2001-02-01	VIKING Q
0500 218018 2013-12-01	VIKING R
0500 218019 2001-02-01	VIKING S
0500 218020 2001-02-01	VIKING T
0500 218021 2001-02-01	VIKING U
0500 218022 2001-02-01	VIKING V
0500 218023 2001-02-01	VIKING W
0500 218024 2001-02-01	VIKING X
0500 218025 2001-02-01	VIKING Y
0500 218026 2001-02-01	VIKING Z
0500 218028 2002-02-01	VIKING BB
0500 218029 2002-05-01	VIKING CC
0500 218030 2010-04-01	VIKING DD
0500 218031 2006-02-01	VIKING EE
0500 218032 2007-07-01	VIKING FF
0500 218033 2010-05-01	VIKING GG
0500 242001 2001-02-01	BASAL COLORADO A
0500 242002 2001-02-01	BASAL COLORADO B
0500 242003 2001-02-01	BASAL COLORADO C
0500 242004 2012-02-01	BASAL COLORADO D
0500 242005 2001-02-01	BASAL COLORADO E
0500 242006 2002-02-01	BASAL COLORADO F
0500 242007 2001-02-01	BASAL COLORADO G
0500 242009 2001-02-01	BASAL COLORADO I
0500 242011 2001-02-01	BASAL COLORADO K
0500 242013 2001-02-01	BASAL COLORADO M

POOL DESIGNATION (cont'd)

0500 242015 2010-04-01	BASAL COLORADO O
0500 242017 2001-02-01	BASAL COLORADO Q
0500 242018 2002-10-01	BASAL COLORADO R
0500 242019 2010-08-01	BASAL COLORADO S
0500 242020 2015-06-01	BASAL COLORADO T
0500 250005 2010-04-01	UPPER MANNVILLE E
0500 250006 2010-04-01	UPPER MANNVILLE F
0500 250011 2001-02-01	UPPER MANNVILLE K
0500 250012 2001-02-01	UPPER MANNVILLE L
0500 250013 2011-09-01	UPPER MANNVILLE M
0500 250015 2010-04-01	UPPER MANNVILLE O
0500 250016 2001-02-01	UPPER MANNVILLE P
0500 250020 2001-02-01	UPPER MANNVILLE T
0500 250021 2001-02-01	UPPER MANNVILLE U
0500 250022 2011-07-01	UPPER MANNVILLE V
0500 250024 2011-06-01	UPPER MANNVILLE X
0500 250026 2001-02-01	UPPER MANNVILLE Z
0500 250027 2006-09-01	UPPER MANNVILLE AA
0500 250030 2001-02-01	UPPER MANNVILLE DD
0500 250032 2010-06-01	UPPER MANNVILLE FF
0500 250033 2001-02-01	UPPER MANNVILLE GG
0500 250034 2014-03-01	UPPER MANNVILLE HH
0500 250035 2001-02-01	UPPER MANNVILLE II
0500 250036 2001-02-01	UPPER MANNVILLE JJ
0500 250037 2001-02-01	UPPER MANNVILLE KK
0500 250038 2001-02-01	UPPER MANNVILLE LL
0500 250039 2007-04-01	UPPER MANNVILLE MM
0500 250041 2010-04-01	UPPER MANNVILLE OO
0500 250042 2001-02-01	UPPER MANNVILLE PP
0500 250043 2001-02-01	UPPER MANNVILLE QQ
0500 250044 2001-02-01	UPPER MANNVILLE RR
0500 250045 2001-02-01	UPPER MANNVILLE SS
0500 250046 2010-04-01	UPPER MANNVILLE TT
0500 250048 2001-02-01	UPPER MANNVILLE VV
0500 250049 2001-02-01	UPPER MANNVILLE WW
0500 250050 2001-02-01	UPPER MANNVILLE XX
0500 250051 2013-10-01	UPPER MANNVILLE YY

POOL DESIGNATION (cont'd)

0500 250052 2001-02-01	UPPER MANNVILLE ZZ
0500 250703 2010-04-01	UPPER MANNVILLE CCC
0500 250705 2001-02-01	UPPER MANNVILLE EEE
0500 250706 2001-02-01	UPPER MANNVILLE FFF
0500 250707 2001-02-01	UPPER MANNVILLE GGG
0500 250708 2001-02-01	UPPER MANNVILLE HHH
0500 250710 2010-04-01	UPPER MANNVILLE JJJ
0500 250711 2001-02-01	UPPER MANNVILLE KKK
0500 250713 2005-01-01	UPPER MANNVILLE MMM
0500 250714 2015-06-01	UPPER MANNVILLE NNN
0500 250715 2002-01-01	UPPER MANNVILLE OOO
0500 250718 2010-04-01	UPPER MANNVILLE RRR
0500 250719 2001-02-01	UPPER MANNVILLE SSS
0500 250722 2012-06-01	UPPER MANNVILLE VVV
0500 250723 2001-02-01	UPPER MANNVILLE WWW
0500 250724 2010-04-01	UPPER MANNVILLE XXX
0500 250725 2001-02-01	UPPER MANNVILLE YYY
0500 250726 2001-02-01	UPPER MANNVILLE ZZZ
0500 250727 2001-02-01	UPPER MANNVILLE A2A
0500 250728 2001-02-01	UPPER MANNVILLE B2B
0500 250729 2001-02-01	UPPER MANNVILLE C2C
0500 250731 2003-08-01	UPPER MANNVILLE E2E
0500 250733 2001-07-01	UPPER MANNVILLE G2G
0500 250734 2001-02-01	UPPER MANNVILLE H2H
0500 250735 2001-02-01	UPPER MANNVILLE I2I
0500 250736 2001-02-01	UPPER MANNVILLE J2J
0500 250737 2001-02-01	UPPER MANNVILLE K2K
0500 250738 2001-02-01	UPPER MANNVILLE L2L
0500 250741 2001-02-01	UPPER MANNVILLE O2O
0500 250742 2001-02-01	UPPER MANNVILLE P2P
0500 250743 2003-10-01	UPPER MANNVILLE Q2Q
0500 250744 2001-02-01	UPPER MANNVILLE R2R
0500 250745 2001-02-01	UPPER MANNVILLE S2S
0500 250746 2010-04-01	UPPER MANNVILLE T2T
0500 250747 2001-02-01	UPPER MANNVILLE U2U
0500 250748 2001-02-01	UPPER MANNVILLE V2V
0500 250749 2004-09-01	UPPER MANNVILLE W2W
0500 250750 2001-03-01	UPPER MANNVILLE X2X

POOL DESIGNATION (cont'd)

0500 250752 2001-12-01	UPPER MANNVILLE Z2Z
0500 251101 2002-02-01	UPPER MANNVILLE A3A
0500 251103 2002-07-01	UPPER MANNVILLE C3C
0500 251104 2002-10-01	UPPER MANNVILLE D3D
0500 251105 2002-10-01	UPPER MANNVILLE E3E
0500 251106 2003-05-01	UPPER MANNVILLE F3F
0500 251109 2003-04-01	UPPER MANNVILLE I3I
0500 251110 2003-05-01	UPPER MANNVILLE J3J
0500 251111 2010-04-01	UPPER MANNVILLE K3K
0500 251112 2003-10-01	UPPER MANNVILLE L3L
0500 251113 2005-02-01	UPPER MANNVILLE M3M
0500 251114 2005-04-01	UPPER MANNVILLE N3N
0500 251115 2005-05-01	UPPER MANNVILLE O3O
0500 251116 2005-05-01	UPPER MANNVILLE P3P
0500 251117 2005-05-01	UPPER MANNVILLE Q3Q
0500 251118 2006-01-01	UPPER MANNVILLE R3R
0500 251119 2006-01-01	UPPER MANNVILLE S3S
0500 251120 2008-03-01	UPPER MANNVILLE T3T
0500 251122 2009-04-01	UPPER MANNVILLE V3V
0500 251123 2009-05-01	UPPER MANNVILLE W3W
0500 251124 2010-01-01	UPPER MANNVILLE X3X
0500 251125 2010-02-01	UPPER MANNVILLE Y3Y
0500 251126 2010-04-01	UPPER MANNVILLE Z3Z
0500 251127 2010-05-01	UPPER MANNVILLE A4A
0500 251128 2010-08-01	UPPER MANNVILLE B4B
0500 251129 2011-08-01	UPPER MANNVILLE C4C
0500 251130 2012-03-01	UPPER MANNVILLE D4D
0500 251131 2013-07-01	UPPER MANNVILLE E4E
0500 251132 2013-12-01	UPPER MANNVILLE F4F
0500 251133 2014-03-01	UPPER MANNVILLE G4G
0500 310001 2001-02-01	LOWER MANNVILLE A
0500 310003 2001-02-01	LOWER MANNVILLE C
0500 310004 2001-02-01	LOWER MANNVILLE D
0500 310005 2004-01-01	LOWER MANNVILLE E
0500 310007 2001-02-01	LOWER MANNVILLE G
0500 310008 2010-04-01	LOWER MANNVILLE H
0500 310009 2010-07-01	LOWER MANNVILLE I

POOL DESIGNATION (cont'd)

0500 310010 2013-07-01	LOWER MANNVILLE J
0500 642001 2001-02-01	PEKISKO A
0500 642002 2005-06-01	PEKISKO B
0500 642003 2010-02-01	PEKISKO C
0500 642004 2001-02-01	PEKISKO D
0500 642005 2001-02-01	PEKISKO E
0500 642006 2001-02-01	PEKISKO F
0500 642008 2001-02-01	PEKISKO H
0500 642009 2013-03-01	PEKISKO I
0500 642010 2001-02-01	PEKISKO J
0500 642012 2015-12-01	PEKISKO L
0500 642013 2001-02-01	PEKISKO M
0500 642014 2010-12-01	PEKISKO N
0500 642015 2011-04-01	PEKISKO O
0500 642016 2012-02-01	PEKISKO P
0500 642017 2013-07-01	PEKISKO Q
0500 642018 2013-07-01	PEKISKO R
0500 642019 2014-08-01	PEKISKO S
0500 694001 2001-02-01	ARCS A
0500 850100 2011-11-01	MFP8501 MILK RIVER
0500 850200 2011-11-01	MFP8502 MED HAT
0500 850500 2011-11-01	MFP8505 2WS
0500 853300 2011-01-01	MFP8533 COLORADO
0500 859200 2011-02-01	MFP8592 BSL BELLY RIV

SPACING PATTERN

SU 4214 23 Aug 2004
 SU 4214A 7 Oct 2004
 SU 4214B 16 Apr 2005
 SU 4214C 5 Aug 2005
 SU 4214D 12 Sep 2005
 SU 4214E 11 Jan 2006
 SU 4214F 21 Apr 2006
 SU 4214G 19 May 2006
 SU 4214H 23 Apr 2007

MISCELLANEOUS ORDERS

MISC 7112 4 Oct 1971
 MISC 7112A 23 Feb 1973
 Injection water source for
 Mannville E

COMMINGLED PRODUCTION

MU 7625 13 Dec 2010

ENHANCED RECOVERY SCHEMES

App 5484H 2 Dec 2015
 Waterflood
 Upper Mannville E
 Imaginea Energy Corp.

App 6516J 2 Dec 2015
 Waterflood
 Upper Mannville O
 Imaginea Energy Corp.

App 9188F 22 Feb 2017
 Waterflood
 Upper Mannville JJJ
 Imaginea Energy Corp.

**ENHANCED RECOVERY SCHEMES
 (cont'd)**

App 9323D 2 Dec 2015
 Waterflood
 Upper Mannville OO
 Imaginea Energy Corp.

App 10926D 2 Jul 2015
 Waterflood
 Upper Mannville E
 Cardinal Energy Ltd.

App 12576 9 Jan 2017
 Waterflood
 Mannville F
 Imaginea Energy Corp.

App 12596 14 Mar 2017
 Waterflood
 Mannville G4G
 Hemisphere Energy Corporation

SUBSURFACE DISPOSAL SCHEMES

App 9304C 21 Aug 2015
 Class II
 Hemisphere Energy Corporation

App 10285A 31 Dec 2013
 Class II
 Cardinal Energy Ltd.

App 11033C 29 Jun 2016
 Class II
 Imaginea Energy Corp.

SUBSURFACE DISPOSAL SCHEMES

(cont'd)

App 11168F 23 Sep 2016

Class II

Canadian Natural Resources Limited

App 11615E 18 Nov 2016

Class II

Hemisphere Energy Corporation

FIELD DESIGNATION

1121 2012-03-01 JENSEN FIELD

POOL DESIGNATION

1121 213001 2002-11-01 BOW ISLAND A
1121 213002 2002-10-01 BOW ISLAND B
1121 213003 2001-03-01 BOW ISLAND C
1121 213004 2013-07-01 BOW ISLAND D
1121 213005 2006-03-01 BOW ISLAND E
1121 213006 2006-06-01 BOW ISLAND F
1121 213007 2006-07-01 BOW ISLAND G
1121 213009 2013-03-01 BOW ISLAND I

1121 628001 2008-10-01 LIVINGSTONE A

1121 649001 2013-03-01 LWR BANFF-EXSHAW-BV A

SPACING PATTERN

SU 3096 18 Mar 2002

FIELD DESIGNATION

0501 2004-02-01 JILES FIELD

POOL DESIGNATION

0501 250001 2001-02-01 UPPER MANNVILLE A
0501 250002 2010-04-01 UPPER MANNVILLE B
0501 250004 2001-02-01 UPPER MANNVILLE D
0501 250005 2001-02-01 UPPER MANNVILLE E
0501 250007 2007-05-01 UPPER MANNVILLE G
0501 250008 2001-02-01 UPPER MANNVILLE H
0501 250009 2002-09-01 UPPER MANNVILLE I
0501 250010 2002-09-01 UPPER MANNVILLE J
0501 250011 2003-03-01 UPPER MANNVILLE K
0501 250012 2004-01-01 UPPER MANNVILLE L
0501 250013 2004-04-01 UPPER MANNVILLE M
0501 250014 2004-05-01 UPPER MANNVILLE N
0501 250015 2005-02-01 UPPER MANNVILLE O
0501 250016 2007-07-01 UPPER MANNVILLE P
0501 250017 2007-09-01 UPPER MANNVILLE Q
0501 250018 2008-02-01 UPPER MANNVILLE R
0501 250019 2008-02-01 UPPER MANNVILLE S
0501 250021 2011-02-01 UPPER MANNVILLE U
0501 250022 2011-02-01 UPPER MANNVILLE V

FIELD DESIGNATION

0497 2009-05-01 JOAN FIELD

POOL DESIGNATION

0497 304001 2010-04-01 BLUESKY A
0497 304003 2010-04-01 BLUESKY C
0497 304004 2001-03-01 BLUESKY D
0497 304005 2001-02-01 BLUESKY E
0497 304006 2002-11-01 BLUESKY F
0497 304007 2010-04-01 BLUESKY G
0497 304008 2001-02-01 BLUESKY H
0497 304009 2014-03-01 BLUESKY I
0497 304010 2010-04-01 BLUESKY J
0497 304011 2002-02-01 BLUESKY K
0497 304012 2003-07-01 BLUESKY L
0497 304013 2005-02-01 BLUESKY M
0497 304014 2004-10-01 BLUESKY N

0497 797501 2008-06-01 GRANITE WASH A
0497 797502 2008-06-01 GRANITE WASH B
0497 797503 2008-06-01 GRANITE WASH C
0497 797504 2008-06-01 GRANITE WASH D
0497 797505 2011-08-01 GRANITE WASH E
0497 797508 2012-02-01 GRANITE WASH H
0497 797509 2013-02-01 GRANITE WASH I
0497 797510 2013-02-01 GRANITE WASH J

SUBSURFACE DISPOSAL SCHEMES

App 11388B 25 Nov 2013
Class II
Canadian Natural Resources Limited

FIELD DESIGNATION

0503 2008-12-01 JOARCAM FIELD

POOL DESIGNATION

0503 118801 2010-02-01 LOWER EDMONTON A

0503 126001 2001-11-01 BELLY RIVER A

0503 126002 2012-05-01 BELLY RIVER B

0503 126003 2012-05-01 BELLY RIVER C

0503 126004 2005-11-01 BELLY RIVER D

0503 126005 2010-02-01 BELLY RIVER E

0503 126006 2011-04-01 BELLY RIVER F

0503 126007 2011-04-01 BELLY RIVER G

0503 126008 2012-09-01 BELLY RIVER H

0503 126009 2012-12-01 BELLY RIVER I

0503 218000 2012-02-01 VIKING

0503 218003 2012-02-01 VIKING C

0503 218004 2001-02-01 VIKING D

0503 218006 2001-02-01 VIKING F

0503 218007 2001-02-01 VIKING G

0503 218011 2001-02-01 VIKING K

0503 218012 2001-02-01 VIKING L

0503 218013 2007-12-01 VIKING M

0503 218014 2001-02-01 VIKING N

0503 218015 2003-04-01 VIKING O

0503 218016 2010-04-01 VIKING P

0503 218017 2003-12-01 VIKING Q

0503 218018 2004-11-01 VIKING R

0503 218019 2005-05-01 VIKING S

0503 218020 2005-07-01 VIKING T

0503 218021 2005-06-01 VIKING U

0503 218022 2007-07-01 VIKING V

0503 218025 2010-05-01 VIKING Y

0503 218026 2013-07-01 VIKING Z

POOL DESIGNATION (cont'd)

0503 248002 2007-07-01	MANNVILLE B
0503 248003 2008-02-01	MANNVILLE C
0503 250001 2001-02-01	UPPER MANNVILLE A
0503 250002 2001-02-01	UPPER MANNVILLE B
0503 250003 2001-02-01	UPPER MANNVILLE C
0503 250004 2001-02-01	UPPER MANNVILLE D
0503 250005 2001-02-01	UPPER MANNVILLE E
0503 250006 2001-02-01	UPPER MANNVILLE F
0503 250007 2001-03-01	UPPER MANNVILLE G
0503 250008 2001-08-01	UPPER MANNVILLE H
0503 250009 2005-01-01	UPPER MANNVILLE I
0503 250010 2006-05-01	UPPER MANNVILLE J
0503 250011 2006-09-01	UPPER MANNVILLE K
0503 250012 2006-11-01	UPPER MANNVILLE L
0503 250013 2007-07-01	UPPER MANNVILLE M
0503 250014 2007-10-01	UPPER MANNVILLE N
0503 250015 2007-12-01	UPPER MANNVILLE O
0503 250016 2007-12-01	UPPER MANNVILLE P
0503 250017 2008-03-01	UPPER MANNVILLE Q
0503 250018 2010-04-01	UPPER MANNVILLE R
0503 250019 2013-04-01	UPPER MANNVILLE S
0503 250020 2013-04-01	UPPER MANNVILLE T
0503 310001 2001-02-01	LOWER MANNVILLE A
0503 310002 2001-02-01	LOWER MANNVILLE B
0503 310003 2001-02-01	LOWER MANNVILLE C
0503 310004 2001-02-01	LOWER MANNVILLE D
0503 310005 2001-02-01	LOWER MANNVILLE E
0503 310006 2001-02-01	LOWER MANNVILLE F
0503 310007 2001-02-01	LOWER MANNVILLE G
0503 310008 2006-03-01	LOWER MANNVILLE H
0503 310009 2006-09-01	LOWER MANNVILLE I
0503 310010 2006-09-01	LOWER MANNVILLE J
0503 310011 2006-09-01	LOWER MANNVILLE K
0503 310012 2007-08-01	LOWER MANNVILLE L
0503 310013 2008-03-01	LOWER MANNVILLE M
0503 310014 2008-12-01	LOWER MANNVILLE N

POOL DESIGNATION (cont'd)

0503 310015	2008-12-01	LOWER MANNVILLE O
0503 310016	2010-04-01	LOWER MANNVILLE P
0503 310017	2009-09-01	LOWER MANNVILLE Q
0503 310018	2011-01-01	LOWER MANNVILLE R
0503 350001	2001-12-01	DETRITAL A
0503 658001	2001-02-01	WABAMUN A
0503 658002	2003-05-01	WABAMUN B
0503 658003	2008-12-01	WABAMUN C

SPACING PATTERN

SU 4065	26 Feb 2003
SU 4065A	8 Jul 2004
SU 4065B	10 Dec 2004
SU 4065C	4 Aug 2005
SU 4065D	7 Dec 2005
SU 4065E	16 Oct 2007

MISCELLANEOUS ORDERS

MISC 5710 29 Oct 1957
Prod allowable for Hudson's
Bay Armenia battery

COMMINGLED PRODUCTION

MU 1227 3 Aug 1995

ENHANCED RECOVERY SCHEMES

App 8534D 25 Feb 2016
Waterflood
Viking
Enerplus Corporation

**ENHANCED RECOVERY SCHEMES
(cont'd)**

App 10268C 16 Nov 2015
Waterflood
Viking
Enerplus Corporation

App 10300B 25 Feb 2016
Waterflood
Viking
Enerplus Corporation

App 11542C 14 Aug 2014
Waterflood
Viking
Enerplus Corporation

CONCURRENT PRODUCTION

MISC 93078 8 Apr 1993
MISC 93078A 11 May 1993
MISC 93078B 6 Dec 1996
Viking

SUBSURFACE DISPOSAL SCHEMES

App 10086C 9 Feb 2012
Class II
Enerplus Corporation

App 10867 30 Apr 2007
Class Ib
Cancen Oil Processors Inc.

App 11138 20 Mar 2008
Class II
Canadian Natural Resources Limited

SURFACE PIT DISPOSAL

No pit disposal

FIELD DESIGNATION

0505 2017-06-01 JOFFRE FIELD

POOL DESIGNATION

0505 106005 2006-03-01 EDMONTON E
0505 106009 2009-02-01 EDMONTON I
0505 106012 2013-01-01 EDMONTON L
0505 106013 2009-07-01 EDMONTON M
0505 106014 2010-04-01 EDMONTON N
0505 106015 2010-10-01 EDMONTON O
0505 106016 2012-05-01 EDMONTON P
0505 106017 2013-04-01 EDMONTON Q
0505 106018 2013-04-01 EDMONTON R

0505 118801 2011-03-01 LOWER EDMONTON A
0505 118803 2010-04-01 LOWER EDMONTON C
0505 118805 2011-02-01 LOWER EDMONTON E
0505 118806 2007-05-01 LOWER EDMONTON F
0505 118808 2008-02-01 LOWER EDMONTON H
0505 118809 2008-09-01 LOWER EDMONTON I
0505 118810 2009-06-01 LOWER EDMONTON J
0505 118812 2009-03-01 LOWER EDMONTON L
0505 118813 2009-07-01 LOWER EDMONTON M
0505 118814 2009-10-01 LOWER EDMONTON N
0505 118815 2009-11-01 LOWER EDMONTON O
0505 118816 2010-03-01 LOWER EDMONTON P
0505 118817 2010-04-01 LOWER EDMONTON Q
0505 118818 2010-10-01 LOWER EDMONTON R
0505 118819 2011-03-01 LOWER EDMONTON S
0505 118820 2011-05-01 LOWER EDMONTON T
0505 118821 2011-05-01 LOWER EDMONTON U
0505 118822 2013-01-01 LOWER EDMONTON V
0505 118823 2012-05-01 LOWER EDMONTON W
0505 118824 2013-04-01 LOWER EDMONTON X
0505 118825 2013-04-01 LOWER EDMONTON Y
0505 118826 2013-04-01 LOWER EDMONTON Z

POOL DESIGNATION (cont'd)

0505 118827 2013-04-01 LOWER EDMONTON AA
0505 118828 2013-04-01 LOWER EDMONTON BB
0505 118829 2013-04-01 LOWER EDMONTON CC
0505 118830 2013-04-01 LOWER EDMONTON DD
0505 118831 2013-04-01 LOWER EDMONTON EE
0505 118832 2013-04-01 LOWER EDMONTON FF
0505 118833 2013-04-01 LOWER EDMONTON GG
0505 118834 2013-04-01 LOWER EDMONTON HH
0505 118835 2013-04-01 LOWER EDMONTON II
0505 118836 2013-04-01 LOWER EDMONTON JJ
0505 118837 2013-04-01 LOWER EDMONTON KK
0505 118838 2013-04-01 LOWER EDMONTON LL

0505 126002 2010-01-01 BELLY RIVER B
0505 126006 2001-12-01 BELLY RIVER F
0505 126007 2010-10-01 BELLY RIVER G
0505 126012 2005-03-01 BELLY RIVER L
0505 126013 2011-02-01 BELLY RIVER M
0505 126014 2011-02-01 BELLY RIVER N
0505 126016 2010-04-01 BELLY RIVER P
0505 126020 2010-04-01 BELLY RIVER T
0505 126021 2007-09-01 BELLY RIVER U
0505 126022 2011-11-01 BELLY RIVER V
0505 126023 2010-04-01 BELLY RIVER W
0505 126024 2010-04-01 BELLY RIVER X
0505 126025 2008-05-01 BELLY RIVER Y
0505 126031 2008-12-01 BELLY RIVER EE
0505 126036 2010-10-01 BELLY RIVER JJ
0505 126037 2011-05-01 BELLY RIVER KK
0505 126038 2011-07-01 BELLY RIVER LL
0505 126039 2013-04-01 BELLY RIVER MM
0505 126040 2013-04-01 BELLY RIVER NN
0505 126041 2013-04-01 BELLY RIVER OO
0505 126042 2013-04-01 BELLY RIVER PP
0505 126043 2013-04-01 BELLY RIVER QQ
0505 126044 2013-04-01 BELLY RIVER RR
0505 126045 2016-01-01 BELLY RIVER SS
0505 126046 2016-02-01 BELLY RIVER TT

POOL DESIGNATION (cont'd)

0505 134001 2005-06-01	BASAL BELLY RIVER A
0505 134003 2010-04-01	BASAL BELLY RIVER C
0505 134004 2005-06-01	BASAL BELLY RIVER D
0505 134006 2006-10-01	BASAL BELLY RIVER F
0505 134007 2011-07-01	BASAL BELLY RIVER G
0505 134009 2008-09-01	BASAL BELLY RIVER I
0505 134010 2011-01-01	BASAL BELLY RIVER J
0505 134012 2010-02-01	BASAL BELLY RIVER L
0505 134013 2009-03-01	BASAL BELLY RIVER M
0505 134014 2009-03-01	BASAL BELLY RIVER N
0505 134015 2010-02-01	BASAL BELLY RIVER O
0505 134016 2009-03-01	BASAL BELLY RIVER P
0505 134019 2012-04-01	BASAL BELLY RIVER S
0505 134020 2010-01-01	BASAL BELLY RIVER T
0505 134021 2011-02-01	BASAL BELLY RIVER U
0505 134022 2011-02-01	BASAL BELLY RIVER V
0505 134023 2011-05-01	BASAL BELLY RIVER W
0505 134024 2011-07-01	BASAL BELLY RIVER X
0505 134025 2014-07-01	BASAL BELLY RIVER Y
0505 218000 2012-03-01	VIKING
0505 218002 2010-04-01	VIKING B
0505 218003 2010-04-01	VIKING C
0505 218004 2010-04-01	VIKING D
0505 218005 2010-04-01	VIKING E
0505 218006 2001-02-01	VIKING F
0505 218007 2010-04-01	VIKING G
0505 218008 2001-02-01	VIKING H
0505 218009 2010-07-01	VIKING I
0505 218011 2001-02-01	VIKING K
0505 218013 2010-04-01	VIKING M
0505 218016 2001-02-01	VIKING P
0505 218018 2006-01-01	VIKING R
0505 218019 2001-03-01	VIKING S
0505 218020 2001-04-01	VIKING T
0505 218021 2004-09-01	VIKING U
0505 218022 2005-08-01	VIKING V
0505 218023 2006-05-01	VIKING W

POOL DESIGNATION (cont'd)

0505 218024 2013-07-01	VIKING X
0505 218025 2013-07-01	VIKING Y
0505 218026 2013-07-01	VIKING Z
0505 218027 2017-05-01	VIKING AA
0505 244001 2010-04-01	BLAIRMORE A
0505 244002 2010-04-01	BLAIRMORE B
0505 244003 2001-02-01	BLAIRMORE C
0505 244005 2001-02-01	BLAIRMORE E
0505 244006 2010-04-01	BLAIRMORE F
0505 244007 2002-08-01	BLAIRMORE G
0505 244009 2001-02-01	BLAIRMORE I
0505 244010 2001-02-01	BLAIRMORE J
0505 244011 2001-02-01	BLAIRMORE K
0505 244012 2001-02-01	BLAIRMORE L
0505 244013 2001-02-01	BLAIRMORE M
0505 244014 2001-02-01	BLAIRMORE N
0505 244015 2001-02-01	BLAIRMORE O
0505 244016 2003-03-01	BLAIRMORE P
0505 244017 2006-06-01	BLAIRMORE Q
0505 244018 2001-02-01	BLAIRMORE R
0505 244019 2001-02-01	BLAIRMORE S
0505 244020 2001-02-01	BLAIRMORE T
0505 244021 2001-02-01	BLAIRMORE U
0505 244022 2001-02-01	BLAIRMORE V
0505 244023 2001-02-01	BLAIRMORE W
0505 244024 2001-02-01	BLAIRMORE X
0505 244025 2001-02-01	BLAIRMORE Y
0505 244026 2001-02-01	BLAIRMORE Z
0505 244027 2001-02-01	BLAIRMORE AA
0505 244028 2001-02-01	BLAIRMORE BB
0505 244029 2001-02-01	BLAIRMORE CC
0505 244030 2001-02-01	BLAIRMORE DD
0505 244031 2001-02-01	BLAIRMORE EE
0505 244032 2001-02-01	BLAIRMORE FF
0505 244033 2001-02-01	BLAIRMORE GG
0505 244034 2001-02-01	BLAIRMORE HH
0505 244035 2001-02-01	BLAIRMORE II

POOL DESIGNATION (cont'd)

0505 244036 2001-02-01	BLAIRMORE JJ
0505 244037 2004-12-01	BLAIRMORE KK
0505 244038 2001-02-01	BLAIRMORE LL
0505 244039 2001-02-01	BLAIRMORE MM
0505 244040 2001-02-01	BLAIRMORE NN
0505 244041 2001-02-01	BLAIRMORE OO
0505 244042 2001-02-01	BLAIRMORE PP
0505 244043 2001-02-01	BLAIRMORE QQ
0505 244044 2001-02-01	BLAIRMORE RR
0505 244045 2001-02-01	BLAIRMORE SS
0505 244046 2001-03-01	BLAIRMORE TT
0505 244047 2001-03-01	BLAIRMORE UU
0505 244048 2001-12-01	BLAIRMORE VV
0505 244049 2002-02-01	BLAIRMORE WW
0505 244050 2002-11-01	BLAIRMORE XX
0505 244051 2003-11-01	BLAIRMORE YY
0505 244052 2004-02-01	BLAIRMORE ZZ
0505 244101 2003-05-01	BLAIRMORE AAA
0505 244102 2003-07-01	BLAIRMORE BBB
0505 244103 2003-07-01	BLAIRMORE CCC
0505 244104 2003-07-01	BLAIRMORE DDD
0505 244105 2004-05-01	BLAIRMORE EEE
0505 244106 2005-05-01	BLAIRMORE FFF
0505 244107 2005-05-01	BLAIRMORE GGG
0505 244108 2005-05-01	BLAIRMORE HHH
0505 250001 2004-07-01	UPPER MANNVILLE A
0505 250002 2001-02-01	UPPER MANNVILLE B
0505 250003 2002-10-01	UPPER MANNVILLE C
0505 250004 2001-02-01	UPPER MANNVILLE D
0505 250005 2006-06-01	UPPER MANNVILLE E
0505 250006 2001-02-01	UPPER MANNVILLE F
0505 250007 2001-02-01	UPPER MANNVILLE G
0505 250008 2001-02-01	UPPER MANNVILLE H
0505 250009 2001-02-01	UPPER MANNVILLE I
0505 250010 2001-02-01	UPPER MANNVILLE J
0505 250011 2001-02-01	UPPER MANNVILLE K
0505 250012 2003-03-01	UPPER MANNVILLE L

POOL DESIGNATION (cont'd)

0505 250013 2004-05-01	UPPER MANNVILLE M
0505 250014 2006-04-01	UPPER MANNVILLE N
0505 250015 2007-05-01	UPPER MANNVILLE O
0505 250016 2009-10-01	UPPER MANNVILLE P
0505 250017 2013-07-01	UPPER MANNVILLE Q
0505 250018 2013-12-01	UPPER MANNVILLE R
0505 316001 2001-02-01	OSTRACOD A
0505 336001 2014-06-01	ELLERSLIE A
0505 336002 2004-09-01	ELLERSLIE B
0505 336003 2004-10-01	ELLERSLIE C
0505 336004 2011-11-01	ELLERSLIE D
0505 336005 2005-06-01	ELLERSLIE E
0505 336006 2005-06-01	ELLERSLIE F
0505 336007 2005-08-01	ELLERSLIE G
0505 336008 2005-11-01	ELLERSLIE H
0505 336009 2007-07-01	ELLERSLIE I
0505 336010 2012-06-01	ELLERSLIE J
0505 336011 2007-07-01	ELLERSLIE K
0505 336012 2007-07-01	ELLERSLIE L
0505 336013 2007-07-01	ELLERSLIE M
0505 336014 2007-07-01	ELLERSLIE N
0505 336016 2012-12-01	ELLERSLIE P
0505 336017 2008-04-01	ELLERSLIE Q
0505 336019 2008-05-01	ELLERSLIE S
0505 336020 2008-05-01	ELLERSLIE T
0505 336021 2009-03-01	ELLERSLIE U
0505 336022 2009-08-01	ELLERSLIE V
0505 336024 2011-06-01	ELLERSLIE X
0505 336025 2012-05-01	ELLERSLIE Y
0505 336026 2012-12-01	ELLERSLIE Z
0505 336027 2013-02-01	ELLERSLIE AA
0505 336028 2012-06-01	ELLERSLIE BB
0505 336029 2012-06-01	ELLERSLIE CC
0505 336030 2012-12-01	ELLERSLIE DD
0505 336031 2013-08-01	ELLERSLIE EE
0505 336032 2014-06-01	ELLERSLIE FF

POOL DESIGNATION (cont'd)

0505 350001	2001-02-01	DETRITAL A
0505 696000	2011-11-01	D-2
0505 696002	2001-02-01	D-2 B
0505 696003	2001-02-01	D-2 C
0505 696004	2010-04-01	D-2 D
0505 720001	2001-02-01	D-3 A
0505 720002	2001-02-01	D-3 B
0505 720003	2001-02-01	D-3 C
0505 720004	2001-02-01	D-3 D
0505 720005	2001-04-01	D-3 E
0505 720007	2016-11-01	D-3 G
0505 728001	2017-05-01	DUVERNAY A
0505 728002	2017-05-01	DUVERNAY B
0505 728003	2017-06-01	DUVERNAY C
0505 856000	2011-01-01	MFP8560 BSL BELLY RIV

SPACING PATTERN

SU 2392	29 Nov 1995
SU 2392A	20 Jul 2001
SU 2392B	22 Mar 2005
SU 2392C	24 Jun 2005
SU 2392D	14 Oct 2005
SU 2392E	5 Dec 2005
SU 2392F	11 Jan 2006
SU 2392G	2 Mar 2006
SU 2392H	5 May 2006

MISCELLANEOUS ORDERS

MISC 5908	16 Mar 1959
Joffre Viking Sand Unit	
Application of sec 10, subsec	
(1), clause (b) of drilling	
and prod regs suspended	
MISC 7918	28 Nov 1979
MISC 7918A	15 May 1981
Exemption of wells from	
pressure maintenance	

COMMINGLED PRODUCTION

MU 8654	20 Jun 2014
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ENHANCED RECOVERY SCHEMES

App 3251C 6 Dec 2013
 Waterflood
 D-2
 Canadian Oil & Gas International Inc.

App 4742E 6 Aug 2015
 Waterflood
 D-2
 Canadian Oil & Gas International Inc.

App 8187D 19 Apr 2016
 Waterflood
 Viking I
 Canadian Natural Resources Limited

App 9486C 23 Jan 2014
 Chemical
 D-3B
 Canadian Oil & Gas International Inc.

App 9838I 18 Jan 2017
 Chemical
 Viking
 NAL Resources Limited

SUBSURFACE DISPOSAL SCHEMES

App 8133 21 May 1997

App 8133A 18 Jan 2013
 Class Ia
 NOVA Chemicals Corporation

App 10332B 24 Jan 2017
 Class Ia
 1994450 Alberta Inc.

COMPULSORY POOLING

P 243 10 Oct 2003
 P 243A 17 Nov 2008
 Gas
 23-039-26W4M
 Celtic Exploration Ltd.

P 331 29 Aug 2007
 P 331A 11 Dec 2007
 P 331B 5 Jul 2016
 Gas

03-039-25W4M
 Quicksilver Resources Canada Inc.

P 346 23 Jan 2008
 P 346A 3 Sep 2008
 P 346B 13 Feb 2009
 P 346C 20 Jul 2009
 P 346D 16 Oct 2009
 Gas

35-037-27W4
 Emerald Bay Energy Inc. or Just Freehold
 Energy Corp.

P 347 23 Jan 2008
 P 347A 2 Jul 2008
 Gas

08-039-25W4
 Emerald Bay Energy Inc.

P 393 12 May 2009
 P 393A 4 Feb 2010
 P 393B 31 Jan 2011
 P 393C 16 Apr 2012
 P 393D 22 Mar 2013
 Gas

17-039-26W4M
 Canadian Natural Resources Limited

COMPULSORY POOLING (cont'd)

P 401 11 Jun 2009

P 401A 5 Jul 2016

Gas

35-038-25W4M

Quicksilver Resources Canada Inc.

P 432 26 Nov 2012

Gas

05-038-24W4M

Nordic Oil & Gas Ltd.

P 448 21 Jan 2014

P 448 28 Jun 2016

Gas

25-039-26W4M

Quicksilver Resources Canada Inc.

FIELD DESIGNATION

0504 2015-05-01 JOHNSON FIELD

POOL DESIGNATION

0504 126002 2017-02-01 BELLY RIVER B
0504 160001 2012-07-01 COLORADO A
0504 162001 2012-07-01 FIRST WHITE SPECKS A
0504 164004 2011-01-01 MEDICINE HAT D
0504 164005 2011-12-01 MEDICINE HAT E
0504 202001 2012-07-01 FISH SCALE A
0504 213001 2010-04-01 BOW ISLAND A
0504 213003 2001-02-01 BOW ISLAND C
0504 213004 2001-02-01 BOW ISLAND D
0504 213005 2001-02-01 BOW ISLAND E
0504 213006 2001-02-01 BOW ISLAND F
0504 213007 2002-01-01 BOW ISLAND G
0504 213008 2002-02-01 BOW ISLAND H
0504 213009 2002-02-01 BOW ISLAND I
0504 213010 2003-07-01 BOW ISLAND J
0504 213011 2002-04-01 BOW ISLAND K
0504 213012 2002-05-01 BOW ISLAND L
0504 213013 2010-04-01 BOW ISLAND M
0504 250002 2002-02-01 UPPER MANNVILLE B
0504 250003 2002-02-01 UPPER MANNVILLE C
0504 250004 2006-05-01 UPPER MANNVILLE D
0504 250005 2013-10-01 UPPER MANNVILLE E
0504 250006 2010-01-01 UPPER MANNVILLE F
0504 300002 2001-02-01 GLAUCONITIC B
0504 300003 2010-04-01 GLAUCONITIC C

POOL DESIGNATION (cont'd)

0504 300005 2012-12-01 GLAUCONITIC E
0504 300007 2001-02-01 GLAUCONITIC G
0504 300008 2012-04-01 GLAUCONITIC H
0504 300010 2001-02-01 GLAUCONITIC J
0504 300012 2001-02-01 GLAUCONITIC L
0504 300013 2014-07-01 GLAUCONITIC M
0504 300014 2014-02-01 GLAUCONITIC N
0504 300015 2001-11-01 GLAUCONITIC O
0504 300016 2003-01-01 GLAUCONITIC P
0504 300017 2003-01-01 GLAUCONITIC Q
0504 300019 2005-11-01 GLAUCONITIC S
0504 300020 2015-04-01 GLAUCONITIC T

0504 332001 2001-04-01 SUNBURST A
0504 332002 2001-05-01 SUNBURST B
0504 332003 2001-05-01 SUNBURST C
0504 332004 2003-02-01 SUNBURST D

0504 350001 2001-02-01 DETRITAL A
0504 350002 2011-03-01 DETRITAL B
0504 350003 2017-05-01 DETRITAL C

0504 642001 2011-12-01 PEKISKO A

0504 850100 2014-04-01 MFP8501 MILK RIVER

0504 850200 2014-04-01 MFP8502 MED HAT

0504 850500 2015-05-01 MFP8505 2WS

SPACING PATTERN

COMMINGLED PRODUCTION

SU 4113 14 Oct 2003
SU 4113A 3 Dec 2004
SU 4113B 5 Apr 2005

MU 7561 5 Oct 2010

ENHANCED RECOVERY SCHEMES

App 5052I 22 Jun 2015
Waterflood
Glaucconitic B
Cenovus Energy Inc.

App 7329B 4 Feb 2010
Waterflood
Glaucconitic H
Cenovus Energy Inc.

App 7330E 22 Jun 2015
Waterflood
Glaucconitic H
Cenovus Energy Inc.

App 7470C 14 Mar 2014
Waterflood
Glaucconitic J
Cenovus Energy Inc.

App 7722G 18 Apr 2016
Waterflood and CCP
Glaucconitic C and Glaucconitic J
Cenovus Energy Inc.

App 8121F 22 Jun 2015
Waterflood
Glaucconitic E
Cenovus Energy Inc.

FIELD DESIGNATION

0569 2005-05-01 JOLIET FIELD

POOL DESIGNATION

0569 126001 2005-05-01 BELLY RIVER A

0569 126002 2010-01-01 BELLY RIVER B

0569 242001 2007-03-01 BASAL COLORADO A

0569 250001 2010-04-01 UPPER MANNVILLE A

0569 310001 2010-02-01 LOWER MANNVILLE A

0569 310002 2010-02-01 LOWER MANNVILLE B

FIELD DESIGNATION

0508 2004-07-01 JOSEPHINE FIELD

POOL DESIGNATION

0508 304001 2002-09-01 BLUESKY A

0508 304002 2003-01-01 BLUESKY B

0508 304003 2003-02-01 BLUESKY C

0508 304004 2004-07-01 BLUESKY D

0508 326001 2004-10-01 GETHING A

0508 606001 2010-04-01 KISKATINAW A

0508 606002 2001-02-01 KISKATINAW B

SPACING PATTERN

SU 2803 3 Feb 1997

SUBSURFACE DISPOSAL SCHEMES

App 2640C 29 Jul 2011

Class II

Canadian Natural Resources Limited

FIELD DESIGNATION

1310 2013-12-01 JOUSSARD FIELD

POOL DESIGNATION

1310 264001 2013-12-01 SPIRIT RIVER A
1310 264002 2013-12-01 SPIRIT RIVER B
1310 264003 2013-12-01 SPIRIT RIVER C

1310 304001 2010-04-01 BLUESKY A
1310 304002 2010-04-01 BLUESKY B
1310 304003 2001-03-01 BLUESKY C
1310 304004 2013-12-01 BLUESKY D
1310 304005 2013-12-01 BLUESKY E
1310 304006 2013-12-01 BLUESKY F
1310 304007 2013-12-01 BLUESKY G

1310 326001 2001-03-01 GETHING A
1310 326002 2013-12-01 GETHING B
1310 326003 2013-12-01 GETHING C
1310 326004 2013-12-01 GETHING D
1310 326005 2013-12-01 GETHING E

1310 758001 2013-12-01 SLAVE POINT A

1310 765501 2013-12-01 GILWOOD A
1310 765502 2013-12-01 GILWOOD B
1310 765503 2013-12-01 GILWOOD C

SPACING PATTERN

SU 3007 8 Nov 2000

COMMINGLED PRODUCTION

MU 8572 2 Jan 2014

ENHANCED RECOVERY SCHEMES

App 10769D 20 Jan 2015
Waterflood
Bluesky B
Whitecap Resources Inc.

SUBSURFACE DISPOSAL SCHEMES

App 9083B

Class II

Whitecap Resources Inc.

FIELD DESIGNATION

0509 2013-01-01 JUDY CREEK FIELD

POOL DESIGNATION

0509 126001 2009-03-01 BELLY RIVER A

0509 192001 2010-05-01 DUNVEGAN A

0509 218001 2011-12-01 VIKING A

0509 218002 2001-02-01 VIKING B

0509 218003 2008-12-01 VIKING C

0509 218004 2001-02-01 VIKING D

0509 218008 2001-02-01 VIKING H

0509 218009 2010-04-01 VIKING I

0509 218010 2001-02-01 VIKING J

0509 218011 2004-05-01 VIKING K

0509 218012 2006-10-01 VIKING L

0509 218013 2004-04-01 VIKING M

0509 218014 2004-06-01 VIKING N

0509 218015 2006-10-01 VIKING O

0509 218016 2009-01-01 VIKING P

0509 250001 2001-02-01 UPPER MANNVILLE A

0509 250002 2001-02-01 UPPER MANNVILLE B

0509 250003 2001-02-01 UPPER MANNVILLE C

0509 250004 2001-11-01 UPPER MANNVILLE D

0509 250005 2001-11-01 UPPER MANNVILLE E

0509 250006 2008-06-01 UPPER MANNVILLE F

0509 250007 2007-01-01 UPPER MANNVILLE G

0509 250008 2010-04-01 UPPER MANNVILLE H

0509 326001 2001-02-01 GETHING A

0509 326002 2011-09-01 GETHING B

0509 642002 2001-02-01 PEKISKO B

0509 642003 2001-04-01 PEKISKO C

POOL DESIGNATION (cont'd)

0509 642004	2001-12-01	PEKISKO D
0509 642005	2013-07-01	PEKISKO E
0509 642006	2011-07-01	PEKISKO F
0509 642008	2011-05-01	PEKISKO H
0509 696001	2006-12-01	NISKU A
0509 744001	2016-08-01	BEAVERHILL LAKE A
0509 744002	2012-10-01	BEAVERHILL LAKE B
0509 744003	2001-02-01	BEAVERHILL LAKE C
0509 744005	2012-09-01	BEAVERHILL LAKE E
0509 744007	2012-09-01	BEAVERHILL LAKE G
0509 744008	2015-06-01	BEAVERHILL LAKE H
0509 744011	2012-06-01	BEAVERHILL LAKE K
0509 744013	2012-07-01	BEAVERHILL LAKE M
0509 744015	2013-01-01	BEAVERHILL LAKE O
0509 744017	2013-01-01	BEAVERHILL LAKE Q
0509 744018	2013-03-01	BEAVERHILL LAKE R
0509 744019	2013-04-01	BEAVERHILL LAKE S
0509 744020	2017-05-01	BEAVERHILL LAKE T
0509 765501	2008-06-01	GILWOOD A
0509 765502	2011-10-01	GILWOOD B

SPACING PATTERN

SU 2395	16 Nov 1995
SU 2395A	10 Dec 1997
SU 2395B	27 Aug 1998
SU 2395C	21 Mar 2006
SU 2395D	21 Sep 2006
SU 2395E	4 Oct 2006
SU 2395F	25 Sep 2007

COMMINGLED PRODUCTION

MU 6030	21 Sep 2006
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GAS STORAGE SCHEMES

App 11419C 21 May 2015
Viking A
Pengrowth Energy Corporation

ENHANCED RECOVERY SCHEMES

App 10269U 12 Apr 2017
Chemical
Beaverhill Lake A
Pengrowth Energy Corporation

**ENHANCED RECOVERY SCHEMES
(cont'd)**

App 10291D 3 Feb 2016
Chemical
Beaverhill Lake B
Pengrowth Energy Corporation

App 11457E 2 Feb 2015
Waterflood
Pekisko F
Second Wave Petroleum Inc.

App 12014A 23 Oct 2014
Waterflood
Beaverhill Lake B
Pengrowth Energy Corporation

App 12210 20 Jan 2014
Waterflood
Beaverhill Lake H
Crescent Point Energy Corp.

SUBSURFACE DISPOSAL SCHEMES

App 10670C 14 Nov 2014
Class III Acid Gas
Pengrowth Corporation

App 11048C 18 Apr 2017
Class II
Razor Energy Corp.

App 11334A 13 Apr 2012
Class Ib
Tervita Corporation

App 11384G 4 Apr 2013
Class II
Second Wave Petroleum Inc.

**SUBSURFACE DISPOSAL SCHEMES
(cont'd)**

App 12037A 28 Jul 2015
Class II and Class Ib
Secure Energy Services Inc.

**GAS UTILITIES BOARD -
APPROVALS**

App 81-1 3 Nov 1981
App 81-1A 5 Jun 1985
Esso Resources Canada Ltd.

FIELD DESIGNATION

0510 2012-10-01 JUDY CREEK SOUTH FIELD

POOL DESIGNATION

0510 218001 2011-03-01 VIKING A
0510 218002 2004-05-01 VIKING B
0510 218003 2001-02-01 VIKING C
0510 218004 2007-05-01 VIKING D

0510 250001 2008-02-01 UPPER MANNVILLE A
0510 250002 2001-02-01 UPPER MANNVILLE B
0510 250003 2006-05-01 UPPER MANNVILLE C
0510 250004 2006-10-01 UPPER MANNVILLE D
0510 250005 2013-09-01 UPPER MANNVILLE E

0510 326001 2013-09-01 GETHING A

0510 610001 2002-07-01 RUNDLE A

0510 744000 2012-11-01 BEAVERHILL LAKE
0510 744003 2012-11-01 BEAVERHILL LAKE C
0510 744004 2001-02-01 BEAVERHILL LAKE D
0510 744005 2001-02-01 BEAVERHILL LAKE E
0510 744006 2012-11-01 BEAVERHILL LAKE F

SPACING PATTERN

SEE CARSON CREEK NORTH

COMMINGLED PRODUCTION

MU 3440 31 Mar 2004

ENHANCED RECOVERY SCHEMES

App 5963C 4 Mar 2015
Waterflood
Beaverhill Lake
Pengrowth Energy Corporation

SUBSURFACE DISPOSAL SCHEMES

App 6673J 19 Sep 2014
Class Ib
Tervita Corporation

FIELD DESIGNATION

0506 2014-06-01 JUMPBUSH FIELD

POOL DESIGNATION

0506 158004 2010-11-01 MILK RIVER D
0506 158005 2010-04-01 MILK RIVER E
0506 158007 2007-12-01 MILK RIVER G
0506 158008 2008-02-01 MILK RIVER H
0506 158009 2008-12-01 MILK RIVER I
0506 158010 2008-08-01 MILK RIVER J

0506 186001 2007-01-01 SECOND WHITE SPECKS A
0506 186002 2007-05-01 SECOND WHITE SPECKS B

0506 211001 2010-05-01 LOWER COLORADO A
0506 211002 2013-06-01 LOWER COLORADO B

0506 213001 2001-02-01 BOW ISLAND A
0506 213003 2001-02-01 BOW ISLAND C
0506 213005 2001-02-01 BOW ISLAND E
0506 213006 2001-02-01 BOW ISLAND F
0506 213007 2001-02-01 BOW ISLAND G
0506 213008 2001-02-01 BOW ISLAND H
0506 213009 2001-02-01 BOW ISLAND I
0506 213011 2002-11-01 BOW ISLAND K
0506 213012 2003-06-01 BOW ISLAND L
0506 213013 2003-07-01 BOW ISLAND M
0506 213014 2010-01-01 BOW ISLAND N

0506 250001 2001-02-01 UPPER MANNVILLE A
0506 250002 2001-02-01 UPPER MANNVILLE B
0506 250005 2009-10-01 UPPER MANNVILLE E
0506 250006 2001-02-01 UPPER MANNVILLE F
0506 250007 2001-02-01 UPPER MANNVILLE G
0506 250008 2001-02-01 UPPER MANNVILLE H
0506 250009 2001-09-01 UPPER MANNVILLE I

POOL DESIGNATION (cont'd)

0506 250010 2001-02-01	UPPER MANNVILLE J
0506 250013 2001-02-01	UPPER MANNVILLE M
0506 250014 2001-02-01	UPPER MANNVILLE N
0506 250015 2001-02-01	UPPER MANNVILLE O
0506 250016 2001-02-01	UPPER MANNVILLE P
0506 250017 2011-06-01	UPPER MANNVILLE Q
0506 250020 2001-02-01	UPPER MANNVILLE T
0506 250021 2001-02-01	UPPER MANNVILLE U
0506 250022 2010-04-01	UPPER MANNVILLE V
0506 250023 2003-11-01	UPPER MANNVILLE W
0506 250024 2004-05-01	UPPER MANNVILLE X
0506 250025 2008-08-01	UPPER MANNVILLE Y
0506 250027 2007-04-01	UPPER MANNVILLE AA
0506 250028 2007-05-01	UPPER MANNVILLE BB
0506 250029 2007-10-01	UPPER MANNVILLE CC
0506 250030 2008-08-01	UPPER MANNVILLE DD
0506 250032 2009-10-01	UPPER MANNVILLE FF
0506 250033 2011-08-01	UPPER MANNVILLE GG
0506 250034 2014-06-01	UPPER MANNVILLE HH
0506 310002 2001-02-01	LOWER MANNVILLE B
0506 310003 2004-05-01	LOWER MANNVILLE C
0506 310004 2010-04-01	LOWER MANNVILLE D
0506 310005 2009-10-01	LOWER MANNVILLE E
0506 850100 2010-04-01	MFP8501 MILK RIVER
0506 850200 2011-02-01	MFP8502 MED HAT
0506 850600 2011-01-01	MFP8506 BELLY RIVER
0506 854300 2011-04-01	MFP8543 BSL BELLY RIV

SPACING PATTERN

SU 4031 22 Nov 2002
SU 4031A 9 May 2003
SU 4031B 15 Sep 2003
SU 4031C 10 Feb 2004
SU 4031D 12 May 2004
SU 4031E 2 Jun 2004
SU 4031F 9 Jul 2004
SU 4031G 17 Sep 2004
SU 4031H 18 Aug 2005
SU 4031I 3 Apr 2006
SU 4031J 2 May 2007
SU 4031K 10 Oct 2007

**ENHANCED RECOVERY SCHEMES
(cont'd)**

App 11248C 9 Nov 2016
Waterflood
Upper Mannville E
Little Rock Resources Ltd.

SUBSURFACE DISPOSAL SCHEMES

App 9544A 20 Jan 2016
Class II
Canadian Natural Resources Limited

COMMINGLED PRODUCTION

MU 7758 9 Mar 2011

ENHANCED RECOVERY SCHEMES

App 7807H 5 Dec 2014
Waterflood
Upper Mannville A
Harvest Operations Corp

App 8205C 1 Dec 2014
Waterflood
Upper Mannville N
Harvest Operations Corp

App 8206E 9 Nov 2016
Waterflood
Upper Mannville P
Little Rock Resources Ltd.

FIELD DESIGNATION

0511 2001-05-01 JUMPING POUND FIELD

POOL DESIGNATION

0511 218001 2001-02-01 VIKING A
0511 218002 2001-02-01 VIKING B
0511 218003 2001-03-01 VIKING C
0511 218007 2011-12-01 VIKING G
0511 218008 2002-02-01 VIKING H
0511 218009 2002-02-01 VIKING I
0511 218010 2002-02-01 VIKING J
0511 218011 2003-09-01 VIKING K
0511 218012 2013-09-01 VIKING L

0511 244001 2011-12-01 BLAIRMORE A
0511 244002 2012-04-01 BLAIRMORE B

0511 600000 2010-04-01 MISSISSIPPIAN

SPACING PATTERN

SU 2682 4 Apr 1996

COMMINGLED PRODUCTION

MU 1094 2 Jun 1994

SUBSURFACE DISPOSAL SCHEMES

App 6880 8 Jul 1992
Class Ib
Shell Canada Limited

FIELD DESIGNATION

0512 2009-12-01 JUMPING POUND WEST FIELD

POOL DESIGNATION

0512 218001 2004-05-01 VIKING A
0512 218002 2015-08-01 VIKING B
0512 218003 2004-05-01 VIKING C
0512 218004 2004-05-01 VIKING D

0512 610001 2010-04-01 RUNDLE A
0512 610002 2010-04-01 RUNDLE B
0512 610003 2010-04-01 RUNDLE C
0512 610005 2007-07-01 RUNDLE E
0512 610006 2009-01-01 RUNDLE F
0512 610007 2011-03-01 RUNDLE G
0512 610008 2012-07-01 RUNDLE H

SPACING PATTERN

SU 2687 6 Mar 1996
SU 2687A 23 Jul 1997
SU 2687B 18 Dec 1997
SU 2687C 18 Jun 1998

COMMINGLED PRODUCTION

MU 79 13 Jul 1972