

FIELD DESIGNATION

0761 2001-02-01 RACOSTA FIELD

POOL DESIGNATION

0761 126003 2011-01-01 BELLY RIVER C
0761 126004 2001-06-01 BELLY RIVER D
0761 126005 2007-05-01 BELLY RIVER E

0761 134001 2005-07-01 BASAL BELLY RIVER A
0761 134002 2005-07-01 BASAL BELLY RIVER B

0761 218001 2001-02-01 VIKING A
0761 218002 2001-02-01 VIKING B
0761 218003 2010-04-01 VIKING C
0761 218004 2001-02-01 VIKING D
0761 218005 2002-03-01 VIKING E
0761 218006 2010-05-01 VIKING F

0761 250001 2001-02-01 UPPER MANNVILLE A
0761 250002 2001-02-01 UPPER MANNVILLE B
0761 250003 2001-02-01 UPPER MANNVILLE C
0761 250004 2001-02-01 UPPER MANNVILLE D
0761 250005 2001-02-01 UPPER MANNVILLE E
0761 250006 2002-02-01 UPPER MANNVILLE F
0761 250007 2010-06-01 UPPER MANNVILLE G
0761 250008 2005-08-01 UPPER MANNVILLE H
0761 250009 2010-04-01 UPPER MANNVILLE I
0761 250010 2009-03-01 UPPER MANNVILLE J
0761 250011 2009-04-01 UPPER MANNVILLE K
0761 250012 2010-06-01 UPPER MANNVILLE L

0761 256001 2003-11-01 COLONY A

0761 334001 2010-04-01 BASAL QUARTZ A
0761 334002 2001-02-01 BASAL QUARTZ B
0761 334003 2001-02-01 BASAL QUARTZ C

POOL DESIGNATION (cont'd)

0761 334004 2006-09-01 BASAL QUARTZ D
0761 694001 2001-02-01 ARCS A
0761 854800 2010-04-01 MFP8548 MILK RIVER

SPACING PATTERN

SU 2183 11 May 1995

COMMINGLED PRODUCTION

MU 4476 20 Jun 2005

SUBSURFACE DISPOSAL SCHEMES

App 7658B 11 May 2016
Class II
Canadian Natural Resources Limited

FIELD DESIGNATION

0752 2011-08-01 RADWAY FIELD

POOL DESIGNATION

0752 186001 2010-04-01 SECOND WHITE SPECKS A
0752 186002 2001-02-01 SECOND WHITE SPECKS B
0752 186003 2010-08-01 SECOND WHITE SPECKS C
0752 186004 2002-05-01 SECOND WHITE SPECKS D
0752 186005 2003-12-01 SECOND WHITE SPECKS E
0752 186007 2004-05-01 SECOND WHITE SPECKS G
0752 186008 2004-05-01 SECOND WHITE SPECKS H
0752 186009 2004-11-01 SECOND WHITE SPECKS I
0752 186010 2006-07-01 SECOND WHITE SPECKS J
0752 186011 2011-01-01 SECOND WHITE SPECKS K

0752 218001 2005-02-01 VIKING A
0752 218002 2008-01-01 VIKING B
0752 218003 2008-03-01 VIKING C
0752 218004 2008-05-01 VIKING D

0752 250001 2001-02-01 UPPER MANNVILLE A
0752 250002 2001-02-01 UPPER MANNVILLE B
0752 250003 2011-08-01 UPPER MANNVILLE C
0752 250004 2001-02-01 UPPER MANNVILLE D
0752 250005 2001-02-01 UPPER MANNVILLE E
0752 250006 2001-02-01 UPPER MANNVILLE F
0752 250007 2001-02-01 UPPER MANNVILLE G
0752 250008 2001-03-01 UPPER MANNVILLE H
0752 250009 2001-03-01 UPPER MANNVILLE I
0752 250010 2010-04-01 UPPER MANNVILLE J
0752 250011 2010-04-01 UPPER MANNVILLE K
0752 250013 2010-04-01 UPPER MANNVILLE M
0752 250014 2006-06-01 UPPER MANNVILLE N
0752 250016 2011-08-01 UPPER MANNVILLE P
0752 250017 2007-07-01 UPPER MANNVILLE Q
0752 250018 2007-07-01 UPPER MANNVILLE R

POOL DESIGNATION (cont'd)

0752 250020 2007-09-01 UPPER MANNVILLE T
0752 250021 2011-12-01 UPPER MANNVILLE U
0752 250022 2007-11-01 UPPER MANNVILLE V
0752 250023 2011-04-01 UPPER MANNVILLE W
0752 250024 2011-08-01 UPPER MANNVILLE X
0752 250025 2010-06-01 UPPER MANNVILLE Y

0752 256001 2001-02-01 COLONY A

0752 276001 2003-08-01 SPARKY A
0752 276002 2007-09-01 SPARKY B
0752 276003 2007-09-01 SPARKY C

0752 300001 2001-02-01 GLAUCONITIC A
0752 300002 2001-02-01 GLAUCONITIC B
0752 300003 2001-11-01 GLAUCONITIC C
0752 300004 2003-08-01 GLAUCONITIC D
0752 300005 2011-04-01 GLAUCONITIC E
0752 300006 2011-08-01 GLAUCONITIC F

0752 336001 2001-02-01 ELLERSLIE A
0752 336002 2001-02-01 ELLERSLIE B
0752 336003 2010-04-01 ELLERSLIE C
0752 336004 2011-03-01 ELLERSLIE D
0752 336005 2011-11-01 ELLERSLIE E

0752 658001 2001-02-01 WABAMUN A
0752 658002 2001-02-01 WABAMUN B
0752 658003 2001-02-01 WABAMUN C
0752 658004 2001-02-01 WABAMUN D
0752 658006 2001-02-01 WABAMUN F
0752 658007 2010-08-01 WABAMUN G
0752 658008 2011-08-01 WABAMUN H

SPACING PATTERN

SU 2719 3 Apr 1996
SU 2719A 25 Oct 2002

COMMINGLED PRODUCTION

MU 6387 18 Jan 2007

SUBSURFACE DISPOSAL SCHEMES

App 11837C 12 May 2015

Chemical

Shell Canada Limited

FIELD DESIGNATION

0753 2014-06-01 RAINBOW FIELD

POOL DESIGNATION

0753 000901 2003-07-01 DRIFT A
0753 000902 2003-11-01 DRIFT B
0753 000903 2006-11-01 DRIFT C
0753 000904 2009-03-01 DRIFT D

0753 304001 2010-07-01 BLUESKY A
0753 304004 2010-07-01 BLUESKY D
0753 304005 2008-11-01 BLUESKY E
0753 304007 2003-12-01 BLUESKY G
0753 304008 2004-01-01 BLUESKY H
0753 304009 2008-12-01 BLUESKY I
0753 304011 2006-08-01 BLUESKY K
0753 304012 2006-08-01 BLUESKY L
0753 304013 2008-07-01 BLUESKY M
0753 304014 2010-07-01 BLUESKY N
0753 304015 2008-12-01 BLUESKY O
0753 304016 2010-04-01 BLUESKY P

0753 326001 2003-01-01 GETHING A
0753 326002 2002-08-01 GETHING B
0753 326003 2008-03-01 GETHING C
0753 326004 2003-12-01 GETHING D
0753 326005 2004-01-01 GETHING E
0753 326006 2009-05-01 GETHING F

0753 644006 2001-02-01 BANFF F
0753 644007 2010-04-01 BANFF G
0753 644008 2007-10-01 BANFF H

0753 658001 2001-02-01 WABAMUN A
0753 658002 2001-02-01 WABAMUN B
0753 658003 2012-02-01 WABAMUN C

POOL DESIGNATION (cont'd)

0753 658004 2010-04-01	WABAMUN D
0753 743501 2010-11-01	MUSKWA A
0753 743502 2013-09-01	MUSKWA B
0753 758001 2010-04-01	SLAVE POINT A
0753 758002 2001-02-01	SLAVE POINT B
0753 758003 2001-02-01	SLAVE POINT C
0753 758004 2001-02-01	SLAVE POINT D
0753 758005 2001-02-01	SLAVE POINT E
0753 758006 2001-02-01	SLAVE POINT F
0753 758007 2001-02-01	SLAVE POINT G
0753 758008 2001-02-01	SLAVE POINT H
0753 758009 2010-04-01	SLAVE POINT I
0753 758010 2001-02-01	SLAVE POINT J
0753 758011 2001-02-01	SLAVE POINT K
0753 758012 2001-02-01	SLAVE POINT L
0753 758013 2004-02-01	SLAVE POINT M
0753 758014 2001-02-01	SLAVE POINT N
0753 758015 2001-02-01	SLAVE POINT O
0753 758016 2001-02-01	SLAVE POINT P
0753 758017 2001-03-01	SLAVE POINT Q
0753 758018 2003-02-01	SLAVE POINT R
0753 758019 2013-07-01	SLAVE POINT S
0753 758020 2005-04-01	SLAVE POINT T
0753 758021 2004-10-01	SLAVE POINT U
0753 758022 2012-05-01	SLAVE POINT V
0753 758023 2007-09-01	SLAVE POINT W
0753 758024 2010-03-01	SLAVE POINT X
0753 767501 2010-04-01	SULPHUR POINT A
0753 767502 2010-04-01	SULPHUR POINT B
0753 767503 2010-04-01	SULPHUR POINT C
0753 767504 2008-06-01	SULPHUR POINT D
0753 767505 2008-06-01	SULPHUR POINT E
0753 767508 2008-06-01	SULPHUR POINT H
0753 767510 2008-06-01	SULPHUR POINT J
0753 767511 2008-06-01	SULPHUR POINT K

POOL DESIGNATION (cont'd)

0753 767512 2008-06-01	SULPHUR POINT L
0753 767513 2008-06-01	SULPHUR POINT M
0753 767514 2008-06-01	SULPHUR POINT N
0753 767515 2008-06-01	SULPHUR POINT O
0753 767516 2010-07-01	SULPHUR POINT P
0753 767517 2008-06-01	SULPHUR POINT Q
0753 767518 2008-06-01	SULPHUR POINT R
0753 767519 2008-06-01	SULPHUR POINT S
0753 767520 2008-06-01	SULPHUR POINT T
0753 767521 2008-06-01	SULPHUR POINT U
0753 767522 2008-06-01	SULPHUR POINT V
0753 767523 2010-04-01	SULPHUR POINT W
0753 767524 2008-06-01	SULPHUR POINT X
0753 767525 2008-06-01	SULPHUR POINT Y
0753 767526 2008-06-01	SULPHUR POINT Z
0753 767527 2008-06-01	SULPHUR POINT AA
0753 767528 2008-06-01	SULPHUR POINT BB
0753 767529 2008-06-01	SULPHUR POINT CC
0753 767530 2008-06-01	SULPHUR POINT DD
0753 767531 2008-06-01	SULPHUR POINT EE
0753 767532 2013-04-01	SULPHUR POINT FF
0753 768501 2012-05-01	MUSKEG A
0753 768502 2010-04-01	MUSKEG B
0753 768503 2008-06-01	MUSKEG C
0753 768504 2010-04-01	MUSKEG D
0753 768506 2010-04-01	MUSKEG F
0753 768507 2018-08-01	MUSKEG G
0753 768508 2008-06-01	MUSKEG H
0753 768510 2008-06-01	MUSKEG J
0753 768511 2008-06-01	MUSKEG K
0753 768513 2011-11-01	MUSKEG M
0753 768514 2008-06-01	MUSKEG N
0753 768515 2010-04-01	MUSKEG O
0753 768516 2008-06-01	MUSKEG P
0753 768518 2008-06-01	MUSKEG R
0753 768519 2008-06-01	MUSKEG S
0753 768520 2010-04-01	MUSKEG T

POOL DESIGNATION (cont'd)

0753 768525 2010-04-01	MUSKEG Y
0753 768526 2010-04-01	MUSKEG Z
0753 768527 2010-04-01	MUSKEG AA
0753 768529 2008-06-01	MUSKEG CC
0753 768531 2008-06-01	MUSKEG EE
0753 768532 2008-06-01	MUSKEG FF
0753 768533 2008-06-01	MUSKEG GG
0753 768534 2010-04-01	MUSKEG HH
0753 768535 2010-04-01	MUSKEG II
0753 768536 2008-06-01	MUSKEG JJ
0753 768538 2008-06-01	MUSKEG LL
0753 768539 2010-04-01	MUSKEG MM
0753 768540 2014-08-01	MUSKEG NN
0753 768541 2008-06-01	MUSKEG OO
0753 768542 2008-06-01	MUSKEG PP
0753 768544 2010-04-01	MUSKEG RR
0753 768545 2012-11-01	MUSKEG SS
0753 768546 2008-12-01	MUSKEG TT
0753 768547 2010-05-01	MUSKEG UU
0753 768548 2013-07-01	MUSKEG VV
0753 768549 2013-07-01	MUSKEG WW
0753 768550 2015-03-01	MUSKEG XX
0753 768551 2014-07-01	MUSKEG YY
0753 768552 2018-07-01	MUSKEG ZZ
0753 768601 2018-07-01	MUSKEG AAA
0753 768602 2018-08-01	MUSKEG BBB
0753 768603 2018-10-01	MUSKEG CCC
0753 772101 2010-04-01	KEG RIVER A
0753 772102 2012-04-01	KEG RIVER B
0753 772103 2008-06-01	KEG RIVER C
0753 772104 2010-04-01	KEG RIVER D
0753 772105 2010-04-01	KEG RIVER E
0753 772106 2010-04-01	KEG RIVER F
0753 772107 2010-04-01	KEG RIVER G
0753 772108 2010-04-01	KEG RIVER H
0753 772109 2008-06-01	KEG RIVER I
0753 772111 2010-04-01	KEG RIVER K

POOL DESIGNATION (cont'd)

0753 772113	2010-04-01	KEG RIVER M
0753 772114	2010-04-01	KEG RIVER N
0753 772115	2010-04-01	KEG RIVER O
0753 772116	2010-04-01	KEG RIVER P
0753 772117	2008-06-01	KEG RIVER Q
0753 772118	2010-04-01	KEG RIVER R
0753 772119	2010-04-01	KEG RIVER S
0753 772120	2010-04-01	KEG RIVER T
0753 772121	2010-04-01	KEG RIVER U
0753 772122	2010-04-01	KEG RIVER V
0753 772123	2010-04-01	KEG RIVER W
0753 772124	2010-04-01	KEG RIVER X
0753 772125	2008-06-01	KEG RIVER Y
0753 772126	2008-06-01	KEG RIVER Z
0753 772127	2010-04-01	KEG RIVER AA
0753 772128	2010-04-01	KEG RIVER BB
0753 772130	2010-04-01	KEG RIVER DD
0753 772131	2008-06-01	KEG RIVER EE
0753 772132	2008-06-01	KEG RIVER FF
0753 772133	2010-04-01	KEG RIVER GG
0753 772134	2010-04-01	KEG RIVER HH
0753 772135	2010-04-01	KEG RIVER II
0753 772136	2010-04-01	KEG RIVER JJ
0753 772137	2010-04-01	KEG RIVER KK
0753 772138	2010-04-01	KEG RIVER LL
0753 772139	2010-04-01	KEG RIVER MM
0753 772140	2010-04-01	KEG RIVER NN
0753 772141	2010-04-01	KEG RIVER OO
0753 772142	2010-04-01	KEG RIVER PP
0753 772144	2010-04-01	KEG RIVER RR
0753 772145	2010-04-01	KEG RIVER SS
0753 772146	2010-04-01	KEG RIVER TT
0753 772148	2010-04-01	KEG RIVER VV
0753 772149	2010-04-01	KEG RIVER WW
0753 772150	2010-04-01	KEG RIVER XX
0753 772152	2010-04-01	KEG RIVER ZZ
0753 772202	2010-04-01	KEG RIVER BBB
0753 772203	2010-04-01	KEG RIVER CCC

POOL DESIGNATION (cont'd)

0753 772204 2010-04-01	KEG RIVER DDD
0753 772205 2010-04-01	KEG RIVER EEE
0753 772206 2008-06-01	KEG RIVER FFF
0753 772207 2011-09-01	KEG RIVER GGG
0753 772208 2010-04-01	KEG RIVER HHH
0753 772210 2008-06-01	KEG RIVER JJJ
0753 772211 2008-06-01	KEG RIVER KKK
0753 772212 2011-09-01	KEG RIVER LLL
0753 772213 2008-06-01	KEG RIVER MMM
0753 772214 2010-04-01	KEG RIVER NNN
0753 772215 2008-06-01	KEG RIVER OOO
0753 772216 2008-06-01	KEG RIVER PPP
0753 772217 2008-06-01	KEG RIVER QQQ
0753 772219 2008-06-01	KEG RIVER SSS
0753 772220 2008-06-01	KEG RIVER TTT
0753 772221 2008-06-01	KEG RIVER UUU
0753 772222 2008-06-01	KEG RIVER VVV
0753 772223 2010-04-01	KEG RIVER WWW
0753 772224 2008-06-01	KEG RIVER XXX
0753 772225 2008-06-01	KEG RIVER YYY
0753 772226 2008-06-01	KEG RIVER ZZZ
0753 772227 2010-04-01	KEG RIVER A2A
0753 772228 2010-04-01	KEG RIVER B2B
0753 772229 2008-06-01	KEG RIVER C2C
0753 772230 2008-06-01	KEG RIVER D2D
0753 772231 2010-04-01	KEG RIVER E2E
0753 772232 2008-06-01	KEG RIVER F2F
0753 772233 2008-06-01	KEG RIVER G2G
0753 772234 2008-06-01	KEG RIVER H2H
0753 772235 2008-06-01	KEG RIVER I2I
0753 772236 2008-06-01	KEG RIVER J2J
0753 772237 2008-06-01	KEG RIVER K2K
0753 772238 2010-04-01	KEG RIVER L2L
0753 772239 2008-06-01	KEG RIVER M2M
0753 772240 2008-06-01	KEG RIVER N2N
0753 772241 2008-06-01	KEG RIVER O2O
0753 772242 2008-06-01	KEG RIVER P2P
0753 772243 2008-06-01	KEG RIVER Q2Q

POOL DESIGNATION (cont'd)

0753 772244 2008-06-01	KEG RIVER R2R
0753 772245 2008-06-01	KEG RIVER S2S
0753 772246 2008-06-01	KEG RIVER T2T
0753 772247 2008-06-01	KEG RIVER U2U
0753 772248 2008-06-01	KEG RIVER V2V
0753 772249 2008-06-01	KEG RIVER W2W
0753 772250 2008-06-01	KEG RIVER X2X
0753 772251 2008-11-01	KEG RIVER Y2Y
0753 772252 2010-04-01	KEG RIVER Z2Z
0753 772302 2008-06-01	KEG RIVER B3B
0753 772303 2008-06-01	KEG RIVER C3C
0753 772304 2008-06-01	KEG RIVER D3D
0753 772305 2008-06-01	KEG RIVER E3E
0753 772306 2008-06-01	KEG RIVER F3F
0753 772307 2008-06-01	KEG RIVER G3G
0753 772308 2008-06-01	KEG RIVER H3H
0753 772309 2008-06-01	KEG RIVER I3I
0753 772310 2008-06-01	KEG RIVER J3J
0753 772311 2008-06-01	KEG RIVER K3K
0753 772312 2014-08-01	KEG RIVER L3L
0753 772313 2008-06-01	KEG RIVER M3M
0753 772314 2008-06-01	KEG RIVER N3N
0753 772315 2008-06-01	KEG RIVER O3O
0753 772316 2008-06-01	KEG RIVER P3P
0753 772318 2008-06-01	KEG RIVER R3R
0753 772319 2010-04-01	KEG RIVER S3S
0753 772321 2008-06-01	KEG RIVER U3U
0753 772322 2008-06-01	KEG RIVER V3V
0753 772323 2008-06-01	KEG RIVER W3W
0753 772324 2008-06-01	KEG RIVER X3X
0753 772325 2008-06-01	KEG RIVER Y3Y
0753 772326 2008-06-01	KEG RIVER Z3Z
0753 772327 2008-06-01	KEG RIVER A4A
0753 772328 2011-12-01	KEG RIVER B4B
0753 772329 2008-06-01	KEG RIVER C4C
0753 772330 2008-06-01	KEG RIVER D4D
0753 772331 2008-06-01	KEG RIVER E4E
0753 772332 2008-06-01	KEG RIVER F4F

POOL DESIGNATION (cont'd)

0753 772333	2008-06-01	KEG RIVER G4G
0753 772334	2010-04-01	KEG RIVER H4H
0753 772335	2010-04-01	KEG RIVER I4I
0753 772336	2008-06-01	KEG RIVER J4J
0753 772337	2008-06-01	KEG RIVER K4K
0753 772338	2008-06-01	KEG RIVER L4L
0753 772339	2010-04-01	KEG RIVER M4M
0753 772340	2008-06-01	KEG RIVER N4N
0753 772341	2008-06-01	KEG RIVER O4O
0753 772342	2008-06-01	KEG RIVER P4P
0753 772343	2008-06-01	KEG RIVER Q4Q
0753 772344	2008-06-01	KEG RIVER R4R
0753 772345	2008-06-01	KEG RIVER S4S
0753 772346	2010-04-01	KEG RIVER T4T
0753 772347	2008-06-01	KEG RIVER U4U
0753 772348	2008-06-01	KEG RIVER V4V
0753 772349	2008-06-01	KEG RIVER W4W
0753 772350	2008-06-01	KEG RIVER X4X
0753 772351	2008-06-01	KEG RIVER Y4Y
0753 772352	2008-06-01	KEG RIVER Z4Z
0753 772401	2018-08-01	KEG RIVER A5A
0753 772402	2010-03-01	KEG RIVER B5B
0753 772403	2008-06-01	KEG RIVER C5C
0753 772404	2008-06-01	KEG RIVER D5D
0753 772405	2018-06-01	KEG RIVER E5E
0753 772406	2013-08-01	KEG RIVER F5F
0753 772407	2013-07-01	KEG RIVER G5G
0753 772408	2013-07-01	KEG RIVER H5H
0753 772409	2013-07-01	KEG RIVER I5I
0753 851500	2008-07-01	MFP8515 BANFF
0753 852800	2013-11-01	MFP8528 BLUESKY

SPACING PATTERN

SU 4136 28 Nov 2003
 SU 4136A 8 Jan 2004
 SU 4136B 5 Feb 2004
 SU 4136C 22 Apr 2004
 SU 4136D 22 Mar 2005
 SU 4136E 19 Sep 2005
 SU 4136F 16 Jan 2006
 SU 4136G 4 Apr 2007
 SU 4136H 25 Apr 2007

COMMINGLED PRODUCTION

MU 8838 24 Jul 2018

ENHANCED RECOVERY SCHEMES

App 5905A 27 Apr 2016
 Waterflood
 Muskeg K
 Husky Oil Operations Ltd.

App 6476G 29 Jul 2014
 Chemical
 Keg River AA
 Husky Oil Operations Limited
 App 6479E 2 Mar 2011

App 6479F 19 Apr 2016
 Waterflood
 Keg River EE, JJ, KK, RR, VV, DDD, &
 OOO
 Husky Oil Operations Limited

App 6558F 1 Mar 2011
 Chemical
 Keg River II
 Husky Oil Operations Limited

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

App 6618D 18 Apr 2016
 Waterflood
 Keg River I
 Husky Oil Operations Limited

App 7976F 6 Apr 2016
 Waterflood
 Muskeg N
 Husky Oil Operations Limited

App 8538D 6 Apr 2016
 Waterflood
 Muskeg A
 Husky Oil Operations Limited

App 8967K 12 Jun 2017
 Chemical
 Keg River B
 Husky Oil Operations Limited

App 9560D 28 Nov 2011
 Chemical
 Keg River A, D, E, G, H, O & EEE
 Husky Oil Operations Limited

App 10025A 7 Jan 2015
 Waterflood
 Muskeg S
 Husky Oil Operations Limited

App 10238C 7 Jul 2016
 Chemical
 Keg River N,T,Z,FF
 Husky Oil Operations Limited

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

App 10376G 12 Jun 2017
Chemical
Keg River F
Husky Oil Operations Limited

App 11431C 22 Jun 2015
Waterflood
Muskeg UU and Keg River LL
Chinook Energy Inc.

App 11511D 19 May 2016
Waterflood
Muskeg O
Husky Oil Operations Limited

App 12158B 19 May 2016
Waterflood
Muskeg SS
Husky Oil Operations Limited

SUBSURFACE DISPOSAL SCHEMES

App 5146F 1 Feb 2013
Class II
Husky Oil Operations Limited

App 6651D 15 Aug 2016
Class II
SanLing Energy Ltd.

App 8599D 13 Apr 2012
Class Ib
Tervita Corporation

App 8682A 3 Apr 2012
Class II
Winter Petroleum Ltd.

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

App 9104B 31 Aug 2017
Class II
NuVista Energy Ltd.

App 10276C 1 Sep 2015
Class II
Boulder Energy Ltd.

App 10354B 12 Sep 2017
Class II
Obsidian Energy Ltd.

App 11054D 1 May 2018
Class II
Cabot Energy Inc.

App 11686A 21 Sep 2011
Acid Gas
Husky Oil Operations Limited

App 11831 1 Feb 2013
Class Ia
Husky Oil Operations Limited

COMPULSORY POOLING

P 140 25 Jun 1996
Gas
02-107-06W6M
Samson Canada Ltd.

P 141 25 Jun 1996
Gas
03-107-06W6M
Samson Canada Ltd.

COMPULSORY POOLING (cont'd)

P 142 25 Jun 1996
Gas
13-107-06W6M
Samson Canada Ltd.

P 143 25 Jun 1996
Gas
25-107-06W6M
Samson Canada Ltd.

P 221 25 Apr 2002
Gas
33-109-08W6M
Husky Oil Operations Ltd.

FIELD DESIGNATION

0754 2014-06-01 RAINBOW SOUTH FIELD

POOL DESIGNATION

0754 612001 2007-07-01 DEBOLT A
0754 612002 2007-07-01 DEBOLT B
0754 612003 2008-10-01 DEBOLT C

0754 640001 2008-07-01 SHUNDA A

0754 642001 2008-11-01 PEKISKO A
0754 642005 2010-01-01 PEKISKO E
0754 642006 2007-11-01 PEKISKO F
0754 642008 2008-05-01 PEKISKO H
0754 642009 2008-05-01 PEKISKO I
0754 642010 2008-05-01 PEKISKO J
0754 642011 2008-05-01 PEKISKO K
0754 642012 2008-06-01 PEKISKO L
0754 642014 2010-04-01 PEKISKO N
0754 642015 2010-07-01 PEKISKO O

0754 644006 2007-10-01 BANFF F
0754 644007 2008-01-01 BANFF G

0754 743501 2012-07-01 MUSKWA A

0754 758001 2003-01-01 SLAVE POINT A
0754 758002 2008-06-01 SLAVE POINT B

0754 767501 2008-06-01 SULPHUR POINT A
0754 767502 2008-06-01 SULPHUR POINT B
0754 767503 2010-07-01 SULPHUR POINT C
0754 767504 2008-06-01 SULPHUR POINT D
0754 767505 2008-06-01 SULPHUR POINT E
0754 767506 2008-06-01 SULPHUR POINT F
0754 767507 2008-06-01 SULPHUR POINT G

POOL DESIGNATION (cont'd)

0754 767508 2008-06-01 SULPHUR POINT H
0754 767509 2008-06-01 SULPHUR POINT I
0754 767510 2011-12-01 SULPHUR POINT J
0754 767511 2008-06-01 SULPHUR POINT K
0754 767512 2012-02-01 SULPHUR POINT L
0754 767513 2008-06-01 SULPHUR POINT M
0754 767514 2008-06-01 SULPHUR POINT N
0754 767515 2012-04-01 SULPHUR POINT O
0754 767516 2008-06-01 SULPHUR POINT P
0754 767517 2008-06-01 SULPHUR POINT Q
0754 767518 2008-06-01 SULPHUR POINT R
0754 767519 2009-10-01 SULPHUR POINT S
0754 767520 2011-01-01 SULPHUR POINT T
0754 767521 2011-12-01 SULPHUR POINT U

0754 768501 2010-05-01 MUSKEG A
0754 768502 2017-09-01 MUSKEG B
0754 768503 2008-06-01 MUSKEG C
0754 768504 2010-04-01 MUSKEG D
0754 768505 2008-06-01 MUSKEG E
0754 768506 2012-03-01 MUSKEG F
0754 768507 2010-04-01 MUSKEG G
0754 768508 2015-05-01 MUSKEG H
0754 768511 2010-11-01 MUSKEG K
0754 768512 2008-06-01 MUSKEG L
0754 768516 2008-06-01 MUSKEG P
0754 768519 2008-06-01 MUSKEG S
0754 768521 2008-06-01 MUSKEG U
0754 768522 2008-06-01 MUSKEG V
0754 768523 2008-06-01 MUSKEG W
0754 768524 2008-06-01 MUSKEG X
0754 768525 2008-06-01 MUSKEG Y
0754 768526 2008-06-01 MUSKEG Z
0754 768527 2016-08-01 MUSKEG AA
0754 768528 2008-06-01 MUSKEG BB

0754 772101 2008-06-01 KEG RIVER A
0754 772102 2008-06-01 KEG RIVER B

POOL DESIGNATION (cont'd)

0754 772103 2010-04-01	KEG RIVER C
0754 772104 2010-04-01	KEG RIVER D
0754 772105 2008-06-01	KEG RIVER E
0754 772106 2010-04-01	KEG RIVER F
0754 772107 2008-06-01	KEG RIVER G
0754 772110 2008-06-01	KEG RIVER J
0754 772111 2010-04-01	KEG RIVER K
0754 772112 2010-04-01	KEG RIVER L
0754 772113 2008-06-01	KEG RIVER M
0754 772114 2008-06-01	KEG RIVER N
0754 772116 2008-06-01	KEG RIVER P
0754 772118 2008-06-01	KEG RIVER R
0754 772119 2008-06-01	KEG RIVER S
0754 772120 2008-06-01	KEG RIVER T
0754 772121 2008-06-01	KEG RIVER U
0754 772122 2008-06-01	KEG RIVER V
0754 772123 2008-06-01	KEG RIVER W
0754 772124 2008-06-01	KEG RIVER X
0754 772125 2008-06-01	KEG RIVER Y
0754 772126 2012-02-01	KEG RIVER Z
0754 772127 2010-04-01	KEG RIVER AA
0754 772128 2010-11-01	KEG RIVER BB
0754 772129 2008-06-01	KEG RIVER CC
0754 772130 2008-06-01	KEG RIVER DD
0754 851500 2008-07-01	MFP8515 BANFF

SPACING PATTERN

SU 2949	2 Dec 1999
SU 2949A	6 Apr 2000
SU 2949B	23 Feb 2001
SU 2949C	9 May 2003
SU 2949D	5 Sep 2007

ENHANCED RECOVERY SCHEMES

App 5408E	23 Jul 2014
Waterflood	
Keg River A	
Husky Oil Operations Ltd.	
App 9328I	14 Oct 2016
Waterflood	
Muskeg P	
Husky Oil Operations Limited	

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

App 10019B 2 Mar 2011
Chemical
Keg River B
Husky Oil Operations Limited

App 10119B 26 Apr 2016
Waterflood
Muskeg G
Husky Oil Operations Limited

App 10723E 8 Mar 2016
Waterflood
Muskeg H
Husky Oil Operations Limited

App 10752 6 Feb 2007
Chemical
Keg River E
Husky Oil Operations Limited

App 10753A 8 Mar 2011
Chemical
Keg River G
Husky Oil Operations Limited

App 11527B 10 Nov 2016
Waterflood
Muskeg K
Husky Oil Operations Limited

FIELD DESIGNATION

0755 2014-03-01 RAINIER FIELD

POOL DESIGNATION

0755 164002 2010-05-01 MEDICINE HAT B

0755 186002 2010-05-01 SECOND WHITE SPECKS B

0755 213001 2001-02-01 BOW ISLAND A

0755 213002 2001-02-01 BOW ISLAND B

0755 213003 2006-10-01 BOW ISLAND C

0755 213004 2001-02-01 BOW ISLAND D

0755 213005 2003-09-01 BOW ISLAND E

0755 213006 2002-06-01 BOW ISLAND F

0755 213007 2003-05-01 BOW ISLAND G

0755 213008 2003-05-01 BOW ISLAND H

0755 213009 2002-10-01 BOW ISLAND I

0755 213011 2003-05-01 BOW ISLAND K

0755 213012 2003-02-01 BOW ISLAND L

0755 213013 2003-10-01 BOW ISLAND M

0755 213014 2005-05-01 BOW ISLAND N

0755 213015 2005-09-01 BOW ISLAND O

0755 213016 2006-06-01 BOW ISLAND P

0755 213017 2007-06-01 BOW ISLAND Q

0755 250001 2002-01-01 UPPER MANNVILLE A

0755 250002 2002-01-01 UPPER MANNVILLE B

0755 250003 2013-12-01 UPPER MANNVILLE C

0755 250004 2002-11-01 UPPER MANNVILLE D

0755 250005 2003-01-01 UPPER MANNVILLE E

0755 250006 2003-07-01 UPPER MANNVILLE F

0755 250007 2003-08-01 UPPER MANNVILLE G

0755 250008 2003-11-01 UPPER MANNVILLE H

0755 250009 2003-09-01 UPPER MANNVILLE I

0755 250010 2004-04-01 UPPER MANNVILLE J

0755 250011 2005-05-01 UPPER MANNVILLE K

POOL DESIGNATION (cont'd)

0755 250012	2010-03-01	UPPER MANNVILLE L
0755 250013	2014-02-01	UPPER MANNVILLE M
0755 250014	2015-02-01	UPPER MANNVILLE N
0755 310001	2001-02-01	LOWER MANNVILLE A
0755 310003	2018-04-01	LOWER MANNVILLE C
0755 310004	2003-11-01	LOWER MANNVILLE D
0755 310005	2010-02-01	LOWER MANNVILLE E
0755 310006	2010-04-01	LOWER MANNVILLE F
0755 334001	2001-02-01	BASAL QUARTZ A
0755 334002	2001-02-01	BASAL QUARTZ B
0755 334003	2001-02-01	BASAL QUARTZ C
0755 334004	2001-02-01	BASAL QUARTZ D
0755 334005	2001-02-01	BASAL QUARTZ E
0755 850100	2010-05-01	MFP8501 MILK RIVER
0755 850200	2010-09-01	MFP8502 MED HAT
0755 850500	2014-03-01	MFP8505 2WS
0755 859800	2011-02-01	MFP8598 BSL BELLY RIV

SPACING PATTERN

SU 4099	9 Sep 2003
SU 4099A	14 Oct 2003
SU 4099B	23 Feb 2004
SU 4099C	3 Dec 2004

COMMINGLED PRODUCTION

MU 7551	5 Oct 2010
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FIELD DESIGNATION

1223 2008-09-01 RAM FIELD

POOL DESIGNATION

1223 610001 2010-04-01 RUNDLE A

1223 610002 2001-02-01 RUNDLE B

1223 610003 2008-09-01 RUNDLE C

1223 610004 2008-10-01 RUNDLE D

1223 658001 2009-07-01 WABAMUN A

1223 744001 2008-11-01 BEAVERHILL LAKE A

1223 785701 2009-01-01 CAMBRIAN A

SPACING PATTERN

SU 2718 20 Mar 1996

COMMINGLED PRODUCTION

MU 7303 14 Sep 2009

SUBSURFACE DISPOSAL SCHEMES

App 11184A 1 Aug 2014
Class II
Husky Oil Operations Limited

FIELD DESIGNATION

0757 2005-05-01 RAMBLING FIELD

POOL DESIGNATION

0757 304001 2005-05-01 BLUESKY A

FIELD DESIGNATION

1224 2007-08-01 RANDELL FIELD

POOL DESIGNATION

1224 758001 2013-07-01 SLAVE POINT A
1224 758002 2008-10-01 SLAVE POINT B
1224 758003 2011-06-01 SLAVE POINT C
1224 758004 2012-03-01 SLAVE POINT D
1224 758005 2013-02-01 SLAVE POINT E
1224 758006 2013-07-01 SLAVE POINT F

1224 765501 2008-06-01 GILWOOD A
1224 765502 2008-06-01 GILWOOD B
1224 765503 2008-06-01 GILWOOD C
1224 765504 2008-06-01 GILWOOD D
1224 765505 2008-06-01 GILWOOD E
1224 765506 2008-06-01 GILWOOD F
1224 765507 2008-06-01 GILWOOD G
1224 765508 2008-06-01 GILWOOD H
1224 765509 2008-06-01 GILWOOD I
1224 765510 2008-06-01 GILWOOD J
1224 765511 2010-04-01 GILWOOD K
1224 765512 2008-06-01 GILWOOD L
1224 765513 2010-04-01 GILWOOD M
1224 765514 2008-06-01 GILWOOD N
1224 765515 2008-06-01 GILWOOD O
1224 765516 2008-06-01 GILWOOD P
1224 765517 2008-06-01 GILWOOD Q
1224 765519 2008-06-01 GILWOOD S
1224 765520 2008-06-01 GILWOOD T
1224 765521 2008-06-01 GILWOOD U
1224 765522 2008-06-01 GILWOOD V
1224 765523 2008-06-01 GILWOOD W
1224 765524 2008-06-01 GILWOOD X
1224 765525 2008-06-01 GILWOOD Y
1224 765526 2008-06-01 GILWOOD Z

POOL DESIGNATION (cont'd)

1224 765527	2009-02-01	GILWOOD AA
1224 765528	2009-03-01	GILWOOD BB
1224 765529	2012-02-01	GILWOOD CC

SPACING PATTERN

SU 2487	10 Jan 1996
SU 2487A	30 Jan 1997

SUBSURFACE DISPOSAL SCHEMES

App 11057C 12 Jul 2016
Class II
KinMerc Oil & Gas Inc.

FIELD DESIGNATION

0759 2004-04-01 RANFURLY FIELD

POOL DESIGNATION

0759 126001 2001-02-01 BELLY RIVER A

0759 218001 2001-02-01 VIKING A

0759 218002 2001-02-01 VIKING B

0759 218003 2001-02-01 VIKING C

0759 218004 2011-06-01 VIKING D

0759 250001 2002-06-01 UPPER MANNVILLE A

0759 250002 2001-02-01 UPPER MANNVILLE B

0759 250003 2001-02-01 UPPER MANNVILLE C

0759 250004 2001-02-01 UPPER MANNVILLE D

0759 250006 2010-03-01 UPPER MANNVILLE F

0759 250008 2001-02-01 UPPER MANNVILLE H

0759 250009 2001-02-01 UPPER MANNVILLE I

0759 250010 2001-02-01 UPPER MANNVILLE J

0759 250011 2001-02-01 UPPER MANNVILLE K

0759 250012 2001-02-01 UPPER MANNVILLE L

0759 250013 2001-02-01 UPPER MANNVILLE M

0759 250014 2001-02-01 UPPER MANNVILLE N

0759 250015 2001-02-01 UPPER MANNVILLE O

0759 250016 2001-02-01 UPPER MANNVILLE P

0759 250017 2001-02-01 UPPER MANNVILLE Q

0759 250018 2016-04-01 UPPER MANNVILLE R

0759 250020 2010-04-01 UPPER MANNVILLE T

0759 250021 2010-04-01 UPPER MANNVILLE U

0759 250022 2010-04-01 UPPER MANNVILLE V

0759 250023 2010-04-01 UPPER MANNVILLE W

0759 250024 2010-04-01 UPPER MANNVILLE X

0759 250025 2010-04-01 UPPER MANNVILLE Y

0759 250026 2010-04-01 UPPER MANNVILLE Z

0759 250027 2002-05-01 UPPER MANNVILLE AA

0759 250028 2002-05-01 UPPER MANNVILLE BB

POOL DESIGNATION (cont'd)

0759 250029 2010-04-01 UPPER MANNVILLE CC
0759 250030 2002-06-01 UPPER MANNVILLE DD
0759 250031 2004-03-01 UPPER MANNVILLE EE
0759 250032 2004-11-01 UPPER MANNVILLE FF
0759 250033 2005-02-01 UPPER MANNVILLE GG
0759 250034 2005-11-01 UPPER MANNVILLE HH
0759 250035 2010-04-01 UPPER MANNVILLE II
0759 250036 2013-07-01 UPPER MANNVILLE JJ

0759 310001 2001-02-01 LOWER MANNVILLE A
0759 310002 2001-02-01 LOWER MANNVILLE B
0759 310003 2001-02-01 LOWER MANNVILLE C
0759 310004 2001-02-01 LOWER MANNVILLE D
0759 310005 2002-07-01 LOWER MANNVILLE E
0759 310006 2005-07-01 LOWER MANNVILLE F
0759 310007 2010-04-01 LOWER MANNVILLE G
0759 310008 2010-04-01 LOWER MANNVILLE H
0759 310009 2010-12-01 LOWER MANNVILLE I
0759 310010 2010-12-01 LOWER MANNVILLE J
0759 310011 2011-06-01 LOWER MANNVILLE K
0759 310012 2011-06-01 LOWER MANNVILLE L

0759 350001 2002-05-01 DETRITAL A

0759 696001 2001-02-01 NISKU A
0759 696002 2009-01-01 NISKU B

0759 708001 2011-12-01 CAMROSE A

SPACING PATTERN

SU 2717 2 Apr 1996

COMMINGLED PRODUCTION

MU 6171 14 Oct 2006

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RATZ FIELD
October 2018

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FIELD DESIGNATION

0775 2009-03-01 RATZ FIELD

POOL DESIGNATION

0775 758001 2007-10-01 SLAVE POINT A

0775 758002 2008-10-01 SLAVE POINT B

0775 767501 2009-03-01 SULPHUR POINT A

0775 772101 2008-06-01 KEG RIVER A

FIELD DESIGNATION

0760 2013-11-01 REAGAN FIELD

POOL DESIGNATION

0760 126001 2010-04-01 BELLY RIVER A

0760 158001 2010-12-01 MILK RIVER A

0760 186001 2010-12-01 SECOND WHITE SPECKS A
0760 186002 2012-02-01 SECOND WHITE SPECKS B

0760 202001 2010-04-01 FISH SCALE A

0760 610001 2010-04-01 RUNDLE A

0760 628001 2017-11-01 LIVINGSTONE A
0760 628003 2005-07-01 LIVINGSTONE C
0760 628004 2010-04-01 LIVINGSTONE D

0760 649001 2013-11-01 LWR BANFF-EXSHAW-BV A
0760 649002 2013-03-01 LWR BANFF-EXSHAW-BV B
0760 649003 2013-03-01 LWR BANFF-EXSHAW-BV C
0760 649004 2013-03-01 LWR BANFF-EXSHAW-BV D
0760 649005 2013-03-01 LWR BANFF-EXSHAW-BV E
0760 649006 2013-03-01 LWR BANFF-EXSHAW-BV F
0760 649007 2013-11-01 LWR BANFF-EXSHAW-BV G
0760 649008 2013-07-01 LWR BANFF-EXSHAW-BV H

SPACING PATTERN

SU 2486 17 Jan 1996
SU 2486A 2 Dec 2004

SUBSURFACE DISPOSAL SCHEMES

App 11252 24 Oct 2008
Class II
Gryphon Petroleum Corp.

FIELD DESIGNATION

0764 2004-10-01 RED EARTH FIELD

POOL DESIGNATION

0764 304001 2014-03-01 BLUESKY A
0764 304002 2001-02-01 BLUESKY B
0764 304003 2001-02-01 BLUESKY C
0764 304004 2001-02-01 BLUESKY D
0764 304005 2003-08-01 BLUESKY E
0764 304006 2001-03-01 BLUESKY F
0764 304007 2003-03-01 BLUESKY G
0764 304008 2003-02-01 BLUESKY H
0764 304009 2002-10-01 BLUESKY I
0764 304010 2004-01-01 BLUESKY J
0764 304011 2003-09-01 BLUESKY K
0764 304012 2005-11-01 BLUESKY L
0764 304013 2004-07-01 BLUESKY M
0764 304014 2004-10-01 BLUESKY N

0764 658001 2001-02-01 WABAMUN A
0764 658002 2001-03-01 WABAMUN B

0764 758001 2015-02-01 SLAVE POINT A
0764 758003 2001-02-01 SLAVE POINT C
0764 758006 2001-02-01 SLAVE POINT F
0764 758007 2010-04-01 SLAVE POINT G
0764 758019 2001-02-01 SLAVE POINT S
0764 758021 2010-04-01 SLAVE POINT U
0764 758022 2012-07-01 SLAVE POINT V
0764 758025 2001-02-01 SLAVE POINT Y
0764 758026 2001-02-01 SLAVE POINT Z
0764 758027 2012-06-01 SLAVE POINT AA
0764 758028 2001-02-01 SLAVE POINT BB
0764 758029 2001-02-01 SLAVE POINT CC
0764 758031 2007-07-01 SLAVE POINT EE
0764 758032 2001-02-01 SLAVE POINT FF

POOL DESIGNATION (cont'd)

0764 758033 2001-02-01	SLAVE POINT GG
0764 758035 2004-05-01	SLAVE POINT II
0764 758036 2010-04-01	SLAVE POINT JJ
0764 758037 2007-04-01	SLAVE POINT KK
0764 758038 2012-03-01	SLAVE POINT LL
0764 758039 2010-08-01	SLAVE POINT MM
0764 758040 2012-09-01	SLAVE POINT NN
0764 758041 2014-02-01	SLAVE POINT OO
0764 758042 2013-07-01	SLAVE POINT PP

0764 772102 2008-06-01	KEG RIVER B
0764 772103 2010-04-01	KEG RIVER C
0764 772105 2008-06-01	KEG RIVER E
0764 772106 2008-06-01	KEG RIVER F
0764 772107 2010-04-01	KEG RIVER G
0764 772108 2008-06-01	KEG RIVER H
0764 772109 2008-06-01	KEG RIVER I
0764 772110 2008-06-01	KEG RIVER J
0764 772111 2008-06-01	KEG RIVER K
0764 772112 2008-06-01	KEG RIVER L
0764 772114 2008-06-01	KEG RIVER N
0764 772115 2008-06-01	KEG RIVER O
0764 772117 2008-06-01	KEG RIVER Q
0764 772118 2008-06-01	KEG RIVER R
0764 772119 2010-04-01	KEG RIVER S
0764 772120 2010-05-01	KEG RIVER T
0764 772121 2010-02-01	KEG RIVER U
0764 772122 2009-10-01	KEG RIVER V
0764 772123 2011-04-01	KEG RIVER W

0764 797501 2010-04-01	GRANITE WASH A
0764 797502 2008-06-01	GRANITE WASH B
0764 797503 2010-04-01	GRANITE WASH C
0764 797504 2008-06-01	GRANITE WASH D
0764 797505 2010-04-01	GRANITE WASH E
0764 797506 2010-04-01	GRANITE WASH F
0764 797510 2008-06-01	GRANITE WASH J
0764 797511 2008-06-01	GRANITE WASH K

POOL DESIGNATION (cont'd)

0764 797512 2010-04-01	GRANITE WASH L
0764 797513 2008-06-01	GRANITE WASH M
0764 797515 2008-06-01	GRANITE WASH O
0764 797516 2008-06-01	GRANITE WASH P
0764 797517 2008-06-01	GRANITE WASH Q
0764 797518 2008-06-01	GRANITE WASH R
0764 797519 2008-06-01	GRANITE WASH S
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0764 797530 2008-06-01	GRANITE WASH DD
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0764 797534 2008-06-01	GRANITE WASH HH
0764 797537 2008-06-01	GRANITE WASH KK
0764 797538 2008-06-01	GRANITE WASH LL
0764 797540 2008-06-01	GRANITE WASH NN
0764 797541 2008-06-01	GRANITE WASH OO
0764 797542 2008-06-01	GRANITE WASH PP
0764 797543 2008-06-01	GRANITE WASH QQ
0764 797544 2010-04-01	GRANITE WASH RR
0764 797545 2008-06-01	GRANITE WASH SS
0764 797546 2008-06-01	GRANITE WASH TT
0764 797547 2008-06-01	GRANITE WASH UU
0764 797548 2008-06-01	GRANITE WASH VV
0764 797550 2008-06-01	GRANITE WASH XX
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0764 797552 2008-06-01	GRANITE WASH ZZ
0764 797601 2008-06-01	GRANITE WASH AAA
0764 797602 2008-06-01	GRANITE WASH BBB
0764 797603 2008-06-01	GRANITE WASH CCC
0764 797604 2008-06-01	GRANITE WASH DDD
0764 797605 2008-06-01	GRANITE WASH EEE
0764 797606 2008-06-01	GRANITE WASH FFF
0764 797607 2008-06-01	GRANITE WASH GGG
0764 797608 2008-06-01	GRANITE WASH HHH
0764 797609 2010-04-01	GRANITE WASH III
0764 797611 2008-06-01	GRANITE WASH KKK
0764 797612 2008-06-01	GRANITE WASH LLL
0764 797613 2008-06-01	GRANITE WASH MMM

POOL DESIGNATION (cont'd)

0764 797614 2010-04-01	GRANITE WASH NNN
0764 797615 2010-04-01	GRANITE WASH OOO
0764 797616 2008-06-01	GRANITE WASH PPP
0764 797617 2008-06-01	GRANITE WASH QQQ
0764 797618 2008-06-01	GRANITE WASH RRR
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0764 797638 2008-06-01	GRANITE WASH L2L
0764 797639 2008-06-01	GRANITE WASH M2M
0764 797640 2008-06-01	GRANITE WASH N2N
0764 797641 2008-06-01	GRANITE WASH O2O
0764 797642 2008-06-01	GRANITE WASH P2P
0764 797644 2008-06-01	GRANITE WASH R2R
0764 797645 2008-06-01	GRANITE WASH S2S
0764 797646 2008-06-01	GRANITE WASH T2T
0764 797647 2008-06-01	GRANITE WASH U2U
0764 797648 2008-06-01	GRANITE WASH V2V
0764 797649 2008-06-01	GRANITE WASH W2W
0764 797650 2008-06-01	GRANITE WASH X2X
0764 797651 2008-06-01	GRANITE WASH Y2Y
0764 797652 2008-06-01	GRANITE WASH Z2Z
0764 797701 2008-06-01	GRANITE WASH A3A

POOL DESIGNATION (cont'd)

0764 797703 2010-04-01	GRANITE WASH C3C
0764 797704 2008-06-01	GRANITE WASH D3D
0764 797705 2008-06-01	GRANITE WASH E3E
0764 797706 2008-06-01	GRANITE WASH F3F
0764 797707 2008-06-01	GRANITE WASH G3G
0764 797708 2008-06-01	GRANITE WASH H3H
0764 797709 2008-06-01	GRANITE WASH I3I
0764 797710 2008-06-01	GRANITE WASH J3J
0764 797711 2008-06-01	GRANITE WASH K3K
0764 797712 2010-04-01	GRANITE WASH L3L
0764 797713 2008-06-01	GRANITE WASH M3M
0764 797714 2008-06-01	GRANITE WASH N3N
0764 797715 2008-06-01	GRANITE WASH O3O
0764 797716 2008-06-01	GRANITE WASH P3P
0764 797717 2008-06-01	GRANITE WASH Q3Q
0764 797718 2008-06-01	GRANITE WASH R3R
0764 797719 2008-06-01	GRANITE WASH S3S
0764 797720 2008-06-01	GRANITE WASH T3T
0764 797721 2008-06-01	GRANITE WASH U3U
0764 797722 2008-06-01	GRANITE WASH V3V
0764 797723 2008-06-01	GRANITE WASH W3W
0764 797724 2008-06-01	GRANITE WASH X3X
0764 797725 2010-04-01	GRANITE WASH Y3Y
0764 797726 2008-06-01	GRANITE WASH Z3Z
0764 797727 2008-06-01	GRANITE WASH A4A
0764 797728 2008-06-01	GRANITE WASH B4B
0764 797729 2008-06-01	GRANITE WASH C4C
0764 797730 2008-06-01	GRANITE WASH D4D
0764 797731 2008-06-01	GRANITE WASH E4E
0764 797732 2008-06-01	GRANITE WASH F4F
0764 797733 2008-06-01	GRANITE WASH G4G
0764 797734 2010-04-01	GRANITE WASH H4H
0764 797735 2008-06-01	GRANITE WASH I4I
0764 797736 2008-06-01	GRANITE WASH J4J
0764 797737 2008-06-01	GRANITE WASH K4K
0764 797738 2010-04-01	GRANITE WASH L4L
0764 797739 2008-06-01	GRANITE WASH M4M
0764 797740 2010-04-01	GRANITE WASH N4N

POOL DESIGNATION (cont'd)

0764 797741	2008-06-01	GRANITE WASH O4O
0764 797742	2008-06-01	GRANITE WASH P4P
0764 797743	2010-01-01	GRANITE WASH Q4Q
0764 797744	2008-06-01	GRANITE WASH R4R
0764 797745	2008-06-01	GRANITE WASH S4S
0764 797746	2008-06-01	GRANITE WASH T4T
0764 797747	2013-03-01	GRANITE WASH U4U
0764 797748	2008-11-01	GRANITE WASH V4V
0764 797749	2009-06-01	GRANITE WASH W4W
0764 797750	2010-10-01	GRANITE WASH X4X
0764 797751	2011-12-01	GRANITE WASH Y4Y
0764 797752	2013-03-01	GRANITE WASH Z4Z
0764 797801	2013-07-01	GRANITE WASH A5A
0764 797802	2013-07-01	GRANITE WASH B5B
0764 797803	2013-07-01	GRANITE WASH C5C
0764 797804	2013-07-01	GRANITE WASH D5D
0764 797805	2013-07-01	GRANITE WASH E5E

SPACING PATTERN

SU 4026	16 Sep 2002
SU 4026A	26 Feb 2003
SU 4026B	9 Dec 2003
SU 4026C	12 Jan 2004
SU 4026D	6 May 2004
SU 4026E	10 Jun 2004
SU 4026F	2 Sep 2004
SU 4026G	8 Apr 2005
SU 4026H	4 Jul 2005
SU 4026I	9 Nov 2005
SU 4026J	15 Dec 2005
SU 4026K	22 Aug 2006
SU 4026L	23 Mar 2007

ENHANCED RECOVERY SCHEMES

App 4423F	31 Oct 2017
Waterflood	
Slave Point A, Granite Wash A & VV	
Mount Bastion Oil & Gas Corp.	
App 8432G	30 Oct 2017
Waterflood	
Slave Point A, Granite Wash A & VV	
Mount Bastion Oil & Gas Corp.	
App 9943B	20 May 2015
Waterflood	
Slave Point A	
Canadian Natural Resources Limited	

COMMINGLED PRODUCTION

MU 8831	5 Jul 2018
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**ENHANCED RECOVERY SCHEMES
(cont'd)**

App 10208F 7 Aug 2015
Waterflood
Keg River C and Granite Wash T2T
Canadian Natural Resources Limited

App 10960G 27 Jan 2015
Waterflood
Keg River B & N
Canadian Natural Resources Limited

App 12021B 4 Dec 2015
Waterflood
Slave Point A
Virginia Hills Oil Corp.

App 12615 9 May 2017
Waterflood
Granite Wash Q4Q
Georox Resources Inc.

SUBSURFACE DISPOSAL SCHEMES

App 4711E 24 Aug 2015
Class Ib
Newalta Corporation

App 7053A 23 Mar 2012
Class II
Harvest Operations Corp.

App 8130 3 Apr 1997
App 8130A 19 Mar 1999
App 8130B 31 Jan 2000

App 9043G 20 Aug 2018
Class II
Canadian Natural Resources Limited

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

App 9366A 18 Sep 2012
Class II
Husky Oil Operations Limited

App 10956C 10 Sep 2018
Class II
Mount Bastion Oil & Gas

App 11080A 29 May 2009
Class II
Coastal Resources Limited

App 11273C 11 May 2015
Class II
North Peace Energy Corp.

FIELD DESIGNATION

0774 2010-02-01 RED WILLOW FIELD

POOL DESIGNATION

0774 218001 2010-04-01 VIKING A
0774 218002 2011-01-01 VIKING B
0774 218003 2010-04-01 VIKING C
0774 218004 2005-11-01 VIKING D
0774 218005 2001-02-01 VIKING E
0774 218011 2010-04-01 VIKING K
0774 218012 2001-02-01 VIKING L
0774 218013 2003-12-01 VIKING M
0774 218014 2003-12-01 VIKING N
0774 218015 2005-10-01 VIKING O
0774 218016 2005-10-01 VIKING P
0774 218017 2005-12-01 VIKING Q
0774 218018 2005-12-01 VIKING R
0774 218019 2006-01-01 VIKING S
0774 218020 2006-09-01 VIKING T
0774 218021 2007-09-01 VIKING U
0774 218022 2009-04-01 VIKING V
0774 218023 2009-04-01 VIKING W

0774 294001 2001-02-01 LLOYDMINSTER A
0774 294002 2001-10-01 LLOYDMINSTER B
0774 294003 2001-02-01 LLOYDMINSTER C
0774 294004 2003-04-01 LLOYDMINSTER D
0774 294006 2009-01-01 LLOYDMINSTER F

0774 300001 2001-02-01 GLAUCONITIC A
0774 300002 2001-02-01 GLAUCONITIC B
0774 300003 2001-02-01 GLAUCONITIC C
0774 300004 2001-02-01 GLAUCONITIC D
0774 300005 2001-05-01 GLAUCONITIC E
0774 300006 2006-01-01 GLAUCONITIC F
0774 300007 2001-02-01 GLAUCONITIC G

POOL DESIGNATION (cont'd)

0774 300008 2010-04-01	GLAUCONITIC H
0774 300009 2001-02-01	GLAUCONITIC I
0774 300010 2001-02-01	GLAUCONITIC J
0774 300011 2001-02-01	GLAUCONITIC K
0774 300012 2004-08-01	GLAUCONITIC L
0774 300013 2013-03-01	GLAUCONITIC M
0774 300014 2001-02-01	GLAUCONITIC N
0774 300015 2001-02-01	GLAUCONITIC O
0774 300016 2001-02-01	GLAUCONITIC P
0774 300017 2001-02-01	GLAUCONITIC Q
0774 300018 2001-02-01	GLAUCONITIC R
0774 300019 2001-02-01	GLAUCONITIC S
0774 300020 2001-02-01	GLAUCONITIC T
0774 300021 2001-02-01	GLAUCONITIC U
0774 300022 2003-05-01	GLAUCONITIC V
0774 300023 2010-04-01	GLAUCONITIC W
0774 300024 2010-04-01	GLAUCONITIC X
0774 300025 2010-04-01	GLAUCONITIC Y
0774 300026 2004-11-01	GLAUCONITIC Z
0774 300027 2009-02-01	GLAUCONITIC AA
0774 300028 2007-02-01	GLAUCONITIC BB
0774 300029 2010-04-01	GLAUCONITIC CC
0774 300030 2007-07-01	GLAUCONITIC DD
0774 300031 2008-08-01	GLAUCONITIC EE
0774 300032 2010-04-01	GLAUCONITIC FF
0774 300033 2009-03-01	GLAUCONITIC GG
0774 300034 2011-11-01	GLAUCONITIC HH
0774 300035 2013-02-01	GLAUCONITIC II
0774 310001 2001-02-01	LOWER MANNVILLE A
0774 310002 2001-02-01	LOWER MANNVILLE B
0774 310003 2001-06-01	LOWER MANNVILLE C
0774 310004 2001-02-01	LOWER MANNVILLE D
0774 310005 2001-02-01	LOWER MANNVILLE E
0774 310007 2001-02-01	LOWER MANNVILLE G
0774 310008 2001-02-01	LOWER MANNVILLE H
0774 310009 2001-06-01	LOWER MANNVILLE I
0774 310010 2001-02-01	LOWER MANNVILLE J

POOL DESIGNATION (cont'd)

0774 310011	2001-02-01	LOWER MANNVILLE K
0774 310012	2001-02-01	LOWER MANNVILLE L
0774 310013	2002-09-01	LOWER MANNVILLE M
0774 310014	2001-02-01	LOWER MANNVILLE N
0774 310015	2010-04-01	LOWER MANNVILLE O
0774 310016	2010-04-01	LOWER MANNVILLE P
0774 310017	2010-04-01	LOWER MANNVILLE Q
0774 310018	2001-10-01	LOWER MANNVILLE R
0774 310019	2001-02-01	LOWER MANNVILLE S
0774 310020	2001-02-01	LOWER MANNVILLE T
0774 310021	2001-02-01	LOWER MANNVILLE U
0774 310022	2001-02-01	LOWER MANNVILLE V
0774 310023	2001-02-01	LOWER MANNVILLE W
0774 310024	2010-04-01	LOWER MANNVILLE X
0774 310025	2001-02-01	LOWER MANNVILLE Y
0774 310026	2001-02-01	LOWER MANNVILLE Z
0774 310027	2001-02-01	LOWER MANNVILLE AA
0774 310028	2001-04-01	LOWER MANNVILLE BB
0774 310029	2001-04-01	LOWER MANNVILLE CC
0774 310030	2004-06-01	LOWER MANNVILLE DD
0774 310031	2001-09-01	LOWER MANNVILLE EE
0774 310032	2001-11-01	LOWER MANNVILLE FF
0774 310033	2002-02-01	LOWER MANNVILLE GG
0774 310034	2005-03-01	LOWER MANNVILLE HH
0774 310035	2002-06-01	LOWER MANNVILLE II
0774 310036	2002-07-01	LOWER MANNVILLE JJ
0774 310037	2003-09-01	LOWER MANNVILLE KK
0774 310038	2010-04-01	LOWER MANNVILLE LL
0774 310039	2003-04-01	LOWER MANNVILLE MM
0774 310040	2007-09-01	LOWER MANNVILLE NN
0774 310041	2002-12-01	LOWER MANNVILLE OO
0774 310042	2003-02-01	LOWER MANNVILLE PP
0774 310043	2003-03-01	LOWER MANNVILLE QQ
0774 310044	2013-04-01	LOWER MANNVILLE RR
0774 310045	2010-04-01	LOWER MANNVILLE SS
0774 310046	2003-09-01	LOWER MANNVILLE TT
0774 310047	2010-12-01	LOWER MANNVILLE UU
0774 310048	2005-10-01	LOWER MANNVILLE VV

POOL DESIGNATION (cont'd)

0774 310049 2004-11-01	LOWER MANNVILLE WW
0774 310050 2015-06-01	LOWER MANNVILLE XX
0774 310051 2010-04-01	LOWER MANNVILLE YY
0774 310052 2005-10-01	LOWER MANNVILLE ZZ
0774 310101 2005-07-01	LOWER MANNVILLE AAA
0774 310102 2010-04-01	LOWER MANNVILLE BBB
0774 310103 2011-08-01	LOWER MANNVILLE CCC
0774 310104 2006-04-01	LOWER MANNVILLE DDD
0774 310105 2006-04-01	LOWER MANNVILLE EEE
0774 310106 2006-12-01	LOWER MANNVILLE FFF
0774 310107 2006-10-01	LOWER MANNVILLE GGG
0774 310108 2007-07-01	LOWER MANNVILLE HHH
0774 310109 2007-06-01	LOWER MANNVILLE III
0774 310110 2007-08-01	LOWER MANNVILLE JJJ
0774 310111 2007-11-01	LOWER MANNVILLE KKK
0774 310112 2008-08-01	LOWER MANNVILLE LLL
0774 310113 2008-08-01	LOWER MANNVILLE MMM
0774 310114 2009-04-01	LOWER MANNVILLE NNN
0774 310115 2009-12-01	LOWER MANNVILLE OOO
0774 310116 2011-02-01	LOWER MANNVILLE PPP
0774 310117 2013-07-01	LOWER MANNVILLE QQQ
0774 310118 2013-07-01	LOWER MANNVILLE RRR
0774 708001 2001-02-01	CAMROSE A
0774 708002 2006-06-01	CAMROSE B
0774 708003 2001-02-01	CAMROSE C
0774 708004 2001-02-01	CAMROSE D
0774 708005 2001-02-01	CAMROSE E
0774 708006 2001-07-01	CAMROSE F
0774 708007 2001-02-01	CAMROSE G
0774 708008 2001-02-01	CAMROSE H
0774 720001 2001-02-01	D-3 A
0774 720002 2001-12-01	D-3 B

SPACING PATTERN

SU 2483	16 Jan 1996
SU 2483A	5 Mar 1996
SU 2483B	20 Nov 1996
SU 2483C	5 Feb 1998
SU 2483D	22 Aug 2000
SU 2483E	27 Sep 2000
SU 2483F	29 Nov 2001

COMMINGLED PRODUCTION

MU 6041	16 Sep 2006
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FIELD DESIGNATION

0779 2004-10-01 REDFISH FIELD

POOL DESIGNATION

0779 304001 2001-02-01 BLUESKY A

0779 304002 2001-02-01 BLUESKY B

0779 304003 2001-02-01 BLUESKY C

0779 304004 2001-02-01 BLUESKY D

0779 304005 2003-01-01 BLUESKY E

0779 304006 2004-10-01 BLUESKY F

0779 772101 2010-04-01 KEG RIVER A

FIELD DESIGNATION

0767 2015-07-01 REDLAND FIELD

POOL DESIGNATION

0767 158001 2011-02-01 MILK RIVER A

0767 164001 2011-02-01 MEDICINE HAT A

0767 186001 2010-07-01 SECOND WHITE SPECKS A

0767 186002 2011-02-01 SECOND WHITE SPECKS B

0767 218003 2010-11-01 VIKING C

0767 218004 2013-12-01 VIKING D

0767 218005 2005-04-01 VIKING E

0767 218013 2010-07-01 VIKING M

0767 218014 2010-12-01 VIKING N

0767 218016 2011-02-01 VIKING P

0767 218019 2012-01-01 VIKING S

0767 250003 2001-02-01 UPPER MANNVILLE C

0767 250007 2001-08-01 UPPER MANNVILLE G

0767 250013 2003-04-01 UPPER MANNVILLE M

0767 250014 2003-04-01 UPPER MANNVILLE N

0767 250015 2010-04-01 UPPER MANNVILLE O

0767 250016 2010-04-01 UPPER MANNVILLE P

0767 250017 2010-04-01 UPPER MANNVILLE Q

0767 310002 2010-04-01 LOWER MANNVILLE B

0767 310003 2001-02-01 LOWER MANNVILLE C

0767 310008 2003-10-01 LOWER MANNVILLE H

0767 310010 2006-05-01 LOWER MANNVILLE J

0767 310011 2006-05-01 LOWER MANNVILLE K

0767 310012 2011-05-01 LOWER MANNVILLE L

0767 310013 2011-05-01 LOWER MANNVILLE M

0767 642001 2015-02-01 PEKISKO A

POOL DESIGNATION (cont'd)

0767 850600 2015-07-01 MFP8506 BELLY RIVER
0767 854300 2015-07-01 MFP8543 BSL BELLY RIV
0767 858600 2015-07-01 MFP8586 LWR EDMONTON

SPACING PATTERN

SU 2952 9 Dec 1999
SU 2952A 28 Mar 2002
SU 2952B 3 May 2002
SU 2952C 6 Jan 2003
SU 2952D 11 Apr 2003
SU 2952E 2 Jun 2003
SU 2952F 23 Feb 2004
SU 2952G 19 Mar 2004
SU 2952H 20 Aug 2004
SU 2952I 23 Feb 2006

COMMINGLED PRODUCTION

MU 8386 27 Jul 2012

FIELD DESIGNATION

0770 2014-03-01 REDWATER FIELD

POOL DESIGNATION

0770 126001 2001-02-01 BELLY RIVER A

0770 216002 2001-02-01 UPPER VIKING B
0770 216006 2001-02-01 UPPER VIKING F
0770 216007 2001-02-01 UPPER VIKING G
0770 216009 2010-04-01 UPPER VIKING I
0770 216013 2007-10-01 UPPER VIKING M
0770 216014 2001-02-01 UPPER VIKING N
0770 216015 2012-09-01 UPPER VIKING O
0770 216016 2001-02-01 UPPER VIKING P
0770 216017 2010-04-01 UPPER VIKING Q
0770 216018 2002-02-01 UPPER VIKING R
0770 216020 2006-07-01 UPPER VIKING T
0770 216021 2012-07-01 UPPER VIKING U
0770 216022 2006-08-01 UPPER VIKING V
0770 216023 2011-12-01 UPPER VIKING W
0770 216024 2014-03-01 UPPER VIKING X

0770 221001 2007-03-01 MIDDLE VIKING A
0770 221002 2001-02-01 MIDDLE VIKING B
0770 221004 2001-02-01 MIDDLE VIKING D
0770 221006 2001-02-01 MIDDLE VIKING F
0770 221007 2001-02-01 MIDDLE VIKING G
0770 221010 2010-04-01 MIDDLE VIKING J
0770 221011 2007-06-01 MIDDLE VIKING K

0770 224001 2018-03-01 LOWER VIKING A
0770 224005 2001-02-01 LOWER VIKING E
0770 224008 2001-02-01 LOWER VIKING H
0770 224009 2001-10-01 LOWER VIKING I
0770 224010 2001-02-01 LOWER VIKING J
0770 224012 2010-04-01 LOWER VIKING L

POOL DESIGNATION (cont'd)

0770 224014 2011-02-01	LOWER VIKING N
0770 224025 2011-04-01	LOWER VIKING Y
0770 224027 2004-12-01	LOWER VIKING AA
0770 224044 2017-11-01	LOWER VIKING RR
0770 224049 2012-12-01	LOWER VIKING WW
0770 224050 2012-09-01	LOWER VIKING XX
0770 250001 2001-02-01	UPPER MANNVILLE A
0770 250002 2001-02-01	UPPER MANNVILLE B
0770 250003 2001-02-01	UPPER MANNVILLE C
0770 250004 2001-02-01	UPPER MANNVILLE D
0770 250005 2001-02-01	UPPER MANNVILLE E
0770 250006 2001-02-01	UPPER MANNVILLE F
0770 250007 2001-02-01	UPPER MANNVILLE G
0770 250008 2001-02-01	UPPER MANNVILLE H
0770 250010 2001-02-01	UPPER MANNVILLE J
0770 250011 2010-04-01	UPPER MANNVILLE K
0770 250012 2001-02-01	UPPER MANNVILLE L
0770 250013 2001-02-01	UPPER MANNVILLE M
0770 250014 2001-02-01	UPPER MANNVILLE N
0770 250015 2001-02-01	UPPER MANNVILLE O
0770 250016 2001-02-01	UPPER MANNVILLE P
0770 250017 2001-02-01	UPPER MANNVILLE Q
0770 250018 2001-02-01	UPPER MANNVILLE R
0770 250019 2001-02-01	UPPER MANNVILLE S
0770 250020 2001-02-01	UPPER MANNVILLE T
0770 250021 2011-10-01	UPPER MANNVILLE U
0770 250022 2001-02-01	UPPER MANNVILLE V
0770 250023 2001-02-01	UPPER MANNVILLE W
0770 250024 2001-02-01	UPPER MANNVILLE X
0770 250025 2001-02-01	UPPER MANNVILLE Y
0770 250026 2006-01-01	UPPER MANNVILLE Z
0770 250027 2001-02-01	UPPER MANNVILLE AA
0770 250028 2001-02-01	UPPER MANNVILLE BB
0770 250029 2010-04-01	UPPER MANNVILLE CC
0770 250030 2001-02-01	UPPER MANNVILLE DD
0770 250031 2001-02-01	UPPER MANNVILLE EE
0770 250032 2001-02-01	UPPER MANNVILLE FF

POOL DESIGNATION (cont'd)

0770 250033	2001-02-01	UPPER MANNVILLE GG
0770 250034	2001-02-01	UPPER MANNVILLE HH
0770 250035	2001-02-01	UPPER MANNVILLE II
0770 250036	2004-01-01	UPPER MANNVILLE JJ
0770 250037	2001-02-01	UPPER MANNVILLE KK
0770 250038	2001-02-01	UPPER MANNVILLE LL
0770 250039	2001-02-01	UPPER MANNVILLE MM
0770 250040	2001-02-01	UPPER MANNVILLE NN
0770 250041	2001-02-01	UPPER MANNVILLE OO
0770 250042	2012-05-01	UPPER MANNVILLE PP
0770 250043	2001-02-01	UPPER MANNVILLE QQ
0770 250044	2001-02-01	UPPER MANNVILLE RR
0770 250045	2011-03-01	UPPER MANNVILLE SS
0770 250046	2003-09-01	UPPER MANNVILLE TT
0770 250047	2001-02-01	UPPER MANNVILLE UU
0770 250048	2001-02-01	UPPER MANNVILLE VV
0770 250049	2001-02-01	UPPER MANNVILLE WW
0770 250050	2001-02-01	UPPER MANNVILLE XX
0770 250051	2001-02-01	UPPER MANNVILLE YY
0770 250052	2010-04-01	UPPER MANNVILLE ZZ
0770 250701	2010-04-01	UPPER MANNVILLE AAA
0770 250702	2001-06-01	UPPER MANNVILLE BBB
0770 250703	2011-02-01	UPPER MANNVILLE CCC
0770 250704	2001-03-01	UPPER MANNVILLE DDD
0770 250705	2001-03-01	UPPER MANNVILLE EEE
0770 250707	2001-03-01	UPPER MANNVILLE GGG
0770 250708	2001-03-01	UPPER MANNVILLE HHH
0770 250709	2008-06-01	UPPER MANNVILLE III
0770 250710	2001-03-01	UPPER MANNVILLE JJJ
0770 250711	2001-03-01	UPPER MANNVILLE KKK
0770 250712	2001-03-01	UPPER MANNVILLE LLL
0770 250713	2004-02-01	UPPER MANNVILLE MMM
0770 250714	2001-07-01	UPPER MANNVILLE NNN
0770 250715	2001-09-01	UPPER MANNVILLE OOO
0770 250716	2011-12-01	UPPER MANNVILLE PPP
0770 250717	2002-03-01	UPPER MANNVILLE QQQ
0770 250718	2003-08-01	UPPER MANNVILLE RRR
0770 250719	2003-09-01	UPPER MANNVILLE SSS

POOL DESIGNATION (cont'd)

0770 250720 2003-09-01	UPPER MANNVILLE TTT
0770 250721 2010-04-01	UPPER MANNVILLE UUU
0770 250722 2004-07-01	UPPER MANNVILLE VVV
0770 250723 2004-07-01	UPPER MANNVILLE WWW
0770 250724 2004-09-01	UPPER MANNVILLE XXX
0770 250726 2004-11-01	UPPER MANNVILLE ZZZ
0770 250727 2004-12-01	UPPER MANNVILLE A2A
0770 250728 2004-12-01	UPPER MANNVILLE B2B
0770 250729 2005-05-01	UPPER MANNVILLE C2C
0770 250730 2006-04-01	UPPER MANNVILLE D2D
0770 250731 2010-04-01	UPPER MANNVILLE E2E
0770 250732 2007-02-01	UPPER MANNVILLE F2F
0770 250733 2006-10-01	UPPER MANNVILLE G2G
0770 250734 2006-05-01	UPPER MANNVILLE H2H
0770 250735 2006-05-01	UPPER MANNVILLE I2I
0770 250736 2006-06-01	UPPER MANNVILLE J2J
0770 250737 2006-06-01	UPPER MANNVILLE K2K
0770 250738 2006-07-01	UPPER MANNVILLE L2L
0770 250739 2006-11-01	UPPER MANNVILLE M2M
0770 250740 2009-03-01	UPPER MANNVILLE N2N
0770 250741 2006-11-01	UPPER MANNVILLE O2O
0770 250742 2006-12-01	UPPER MANNVILLE P2P
0770 250743 2009-02-01	UPPER MANNVILLE Q2Q
0770 250744 2009-02-01	UPPER MANNVILLE R2R
0770 250745 2007-08-01	UPPER MANNVILLE S2S
0770 250746 2007-08-01	UPPER MANNVILLE T2T
0770 250747 2007-01-01	UPPER MANNVILLE U2U
0770 250748 2007-01-01	UPPER MANNVILLE V2V
0770 250749 2007-06-01	UPPER MANNVILLE W2W
0770 250750 2007-06-01	UPPER MANNVILLE X2X
0770 250751 2007-06-01	UPPER MANNVILLE Y2Y
0770 250752 2007-10-01	UPPER MANNVILLE Z2Z
0770 251101 2007-07-01	UPPER MANNVILLE A3A
0770 251102 2007-09-01	UPPER MANNVILLE B3B
0770 251103 2007-09-01	UPPER MANNVILLE C3C
0770 251104 2007-12-01	UPPER MANNVILLE D3D
0770 251105 2008-08-01	UPPER MANNVILLE E3E
0770 251106 2009-02-01	UPPER MANNVILLE F3F

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0770 251107 2009-01-01	UPPER MANNVILLE G3G
0770 251108 2009-02-01	UPPER MANNVILLE H3H
0770 251109 2009-11-01	UPPER MANNVILLE I3I
0770 251110 2010-05-01	UPPER MANNVILLE J3J
0770 251111 2011-06-01	UPPER MANNVILLE K3K
0770 251112 2011-07-01	UPPER MANNVILLE L3L
0770 251113 2011-08-01	UPPER MANNVILLE M3M
0770 251114 2011-08-01	UPPER MANNVILLE N3N
0770 251115 2012-05-01	UPPER MANNVILLE O3O
0770 320001 2001-02-01	BASAL MANNVILLE A
0770 320002 2001-02-01	BASAL MANNVILLE B
0770 320005 2001-02-01	BASAL MANNVILLE E
0770 320006 2012-03-01	BASAL MANNVILLE F
0770 320008 2010-04-01	BASAL MANNVILLE H
0770 320009 2014-03-01	BASAL MANNVILLE I
0770 320011 2001-02-01	BASAL MANNVILLE K
0770 320012 2001-02-01	BASAL MANNVILLE L
0770 320013 2001-02-01	BASAL MANNVILLE M
0770 320014 2001-02-01	BASAL MANNVILLE N
0770 320015 2001-02-01	BASAL MANNVILLE O
0770 320016 2001-02-01	BASAL MANNVILLE P
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0770 320018 2001-02-01	BASAL MANNVILLE R
0770 320020 2001-02-01	BASAL MANNVILLE T
0770 320023 2018-01-01	BASAL MANNVILLE W
0770 320024 2007-11-01	BASAL MANNVILLE X
0770 320025 2001-02-01	BASAL MANNVILLE Y
0770 320026 2001-02-01	BASAL MANNVILLE Z
0770 320027 2001-02-01	BASAL MANNVILLE AA
0770 320028 2001-02-01	BASAL MANNVILLE BB
0770 320029 2001-02-01	BASAL MANNVILLE CC
0770 320030 2001-02-01	BASAL MANNVILLE DD
0770 320031 2001-02-01	BASAL MANNVILLE EE
0770 320032 2001-02-01	BASAL MANNVILLE FF
0770 320033 2001-02-01	BASAL MANNVILLE GG
0770 336001 2001-02-01	ELLERSLIE A

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0770 336002	2001-02-01	ELLERSLIE B
0770 336003	2007-11-01	ELLERSLIE C
0770 336004	2001-02-01	ELLERSLIE D
0770 336005	2001-02-01	ELLERSLIE E
0770 336006	2001-02-01	ELLERSLIE F
0770 336008	2008-03-01	ELLERSLIE H
0770 336009	2001-02-01	ELLERSLIE I
0770 336010	2001-02-01	ELLERSLIE J
0770 336011	2001-02-01	ELLERSLIE K
0770 336013	2001-02-01	ELLERSLIE M
0770 336015	2016-08-01	ELLERSLIE O
0770 336016	2001-02-01	ELLERSLIE P
0770 336017	2001-02-01	ELLERSLIE Q
0770 336018	2010-10-01	ELLERSLIE R
0770 336019	2010-10-01	ELLERSLIE S
0770 336020	2006-06-01	ELLERSLIE T
0770 336021	2008-02-01	ELLERSLIE U
0770 336022	2016-01-01	ELLERSLIE V
0770 336023	2001-02-01	ELLERSLIE W
0770 336024	2001-10-01	ELLERSLIE X
0770 336025	2001-02-01	ELLERSLIE Y
0770 336027	2014-03-01	ELLERSLIE AA
0770 336028	2001-02-01	ELLERSLIE BB
0770 336029	2011-12-01	ELLERSLIE CC
0770 336030	2001-02-01	ELLERSLIE DD
0770 336031	2001-02-01	ELLERSLIE EE
0770 336032	2012-03-01	ELLERSLIE FF
0770 336034	2001-02-01	ELLERSLIE HH
0770 336035	2011-02-01	ELLERSLIE II
0770 336036	2001-02-01	ELLERSLIE JJ
0770 336037	2001-02-01	ELLERSLIE KK
0770 336038	2001-02-01	ELLERSLIE LL
0770 336040	2001-02-01	ELLERSLIE NN
0770 336041	2001-02-01	ELLERSLIE OO
0770 336042	2001-02-01	ELLERSLIE PP
0770 336043	2001-02-01	ELLERSLIE QQ
0770 336044	2001-02-01	ELLERSLIE RR
0770 336045	2001-02-01	ELLERSLIE SS

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0770 336046 2010-04-01	ELLERSLIE TT
0770 336047 2001-03-01	ELLERSLIE UU
0770 336048 2010-04-01	ELLERSLIE VV
0770 336050 2006-05-01	ELLERSLIE XX
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0770 336052 2003-08-01	ELLERSLIE ZZ
0770 336501 2004-08-01	ELLERSLIE AAA
0770 336503 2004-05-01	ELLERSLIE CCC
0770 336505 2008-10-01	ELLERSLIE EEE
0770 336506 2004-10-01	ELLERSLIE FFF
0770 336507 2010-04-01	ELLERSLIE GGG
0770 336508 2004-11-01	ELLERSLIE HHH
0770 336510 2004-12-01	ELLERSLIE JJJ
0770 336511 2005-03-01	ELLERSLIE KKK
0770 336512 2010-07-01	ELLERSLIE LLL
0770 336513 2010-04-01	ELLERSLIE MMM
0770 336515 2016-11-01	ELLERSLIE OOO
0770 336516 2007-02-01	ELLERSLIE PPP
0770 336519 2006-08-01	ELLERSLIE SSS
0770 336522 2007-03-01	ELLERSLIE VVV
0770 336524 2006-05-01	ELLERSLIE XXX
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0770 336527 2006-03-01	ELLERSLIE A2A
0770 336528 2006-04-01	ELLERSLIE B2B
0770 336531 2006-09-01	ELLERSLIE E2E
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0770 336535 2007-04-01	ELLERSLIE I2I
0770 336536 2006-12-01	ELLERSLIE J2J
0770 336537 2006-12-01	ELLERSLIE K2K
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0770 336540 2007-05-01	ELLERSLIE N2N
0770 336541 2007-06-01	ELLERSLIE O2O
0770 336542 2013-03-01	ELLERSLIE P2P
0770 336543 2010-04-01	ELLERSLIE Q2Q
0770 336544 2007-06-01	ELLERSLIE R2R
0770 336545 2007-06-01	ELLERSLIE S2S
0770 336546 2007-06-01	ELLERSLIE T2T
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0770 336548 2007-06-01	ELLERSLIE V2V
0770 336549 2012-07-01	ELLERSLIE W2W
0770 336550 2007-07-01	ELLERSLIE X2X
0770 336551 2007-07-01	ELLERSLIE Y2Y
0770 336552 2012-12-01	ELLERSLIE Z2Z
0770 337001 2007-10-01	ELLERSLIE A3A
0770 337002 2007-10-01	ELLERSLIE B3B
0770 337003 2007-10-01	ELLERSLIE C3C
0770 337004 2007-11-01	ELLERSLIE D3D
0770 337005 2007-12-01	ELLERSLIE E3E
0770 337006 2007-12-01	ELLERSLIE F3F
0770 337007 2008-07-01	ELLERSLIE G3G
0770 337008 2009-01-01	ELLERSLIE H3H
0770 337009 2009-01-01	ELLERSLIE I3I
0770 337010 2012-03-01	ELLERSLIE J3J
0770 337011 2012-12-01	ELLERSLIE K3K
0770 337012 2010-07-01	ELLERSLIE L3L
0770 337013 2010-11-01	ELLERSLIE M3M
0770 337015 2011-01-01	ELLERSLIE O3O
0770 337016 2011-02-01	ELLERSLIE P3P
0770 337017 2011-05-01	ELLERSLIE Q3Q
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0770 350001 2005-01-01	DETRITAL A
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0770 658001 2001-10-01	D-1 A
0770 658002 2012-07-01	D-1 B
0770 658003 2001-02-01	D-1 C
0770 658004 2001-02-01	D-1 D
0770 658005 2001-03-01	D-1 E
0770 658006 2001-08-01	D-1 F
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0770 696001 2001-03-01	D-2 A

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0770 696002 2001-09-01 D-2 B

0770 720000 2010-04-01 D-3

0770 851400 2012-02-01 MFP8514 UPPER VIKING

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SU 4225 22 Oct 2004

SU 4225A 16 Apr 2005

SU 4225B 24 Aug 2005

SU 4225C 29 Nov 2005

SU 4225D 22 Feb 2006

SU 4225E 7 Mar 2006

SU 4225F 15 Aug 2006

EXEMPTION FROM GAS MEASUREMENT

GE 33 15 Jul 1985

D-3

ENHANCED RECOVERY SCHEMES

App 11197C 13 Jan 2011
Carbon Dioxide Injection
D-3
Arc Resources Ltd.
Expires June 30, 2011

MISCELLANEOUS ORDERS

MISC 9193 18 Jul 1991

COMMINGLED PRODUCTION

MU 8456 29 Nov 2012

App 12129A 19 Jan 2015
Waterflood
Lower Viking A
Tamarack Acquisition Corp.

GAS STORAGE SCHEMES

App 12394B 15 Dec 2016
Lotsberg
ATCO Energy Solutions Ltd

App 12155D 16 May 2016
Waterflood
Lower Viking A
Long Run Exploration Ltd.

App 12563C 4 May 2018
Lotsberg

App 12342A 2 Aug 2016
Waterflood
Lower Viking A
Long Run Exploration Ltd.

App 11558A 28 Nov 2017
Lotsberg
ATCO Energy Solutions Ltd

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

App 12542C 11 Sep 2018
Waterflood
Eilerslie O
Rifle Shot Oil Corp.

CONCURRENT PRODUCTION

App 3764 17 Feb 1983
Lower Viking A
NSM Resources Ltd.

SUBSURFACE DISPOSAL SCHEMES

App 2039 27 Aug 1974
Class III Liquid Hydrocarbon
Imperial Pipe Line Company Limited

App 2101J 2 Mar 2011

App 2101K 1 Jun 2012

App 2101X 4 May 2018
Class III Liquid Hydrocarbon
Pembina NGL Corporation

App 3382E 25 Apr 2011
Class II
Arc Resources Ltd.

App 4779D 31 Oct 2017
Class Ia
Agrium Inc.

App 5737C 12 Jul 2016
Class Ia
Shell Canada Limited

**SUBSURFACE DISPOSAL SCHEMES
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App 5894 30 May 1989

App 5894A 23 Sep 1991
Class III Gas
Northwestern Utilities Limited

App 6291D 5 Feb 2016
Class Ia
Bruderheim Energy Terminal Ltd.

App 7125A 11 May 2012
Class II
Bonterra Energy Corp.

App 7682I 13 Oct 2016
Class II
Tamarack Acquisition Corp.

App 7869B 17 Sep 2012
Class Ib
ARC Resources Ltd.

App 7900C 1 May 2018
Class II
ATCO Energy Solutions Ltd

App 8092B 17 Sep 2012
Class II
Husky Oil Operations Limited

App 8570A 25 Apr 2011
Class III Acid Gas
Arc Resources Ltd.

App 8713 22 Mar 2001

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(cont'd)**

App 8713A 22 Mar 2004
Class Ia
Newalta Corporation

App 9915E 3 May 2017
Class II
Long Run Exploration Ltd.

App 10177C 8 Jul 2016
Class II
Rally Canada Resources Ltd.

App 10554B 29 Jul 2014
Class II
Whitecap Resources Inc.

App 11047 29 Feb 2008
Class II
BA Energy Inc.

App 11063C 5 Sep 2017
Class II
Point Bar Resources Inc.

App 11157D 10 Dec 2013
Class II
Pembina NGL Corporation

App 12029F 9 Jun 2017
Cavern
Pembina NGL Corporation

App 11345 17 Aug 2009

App 11345A 17 Dec 2012
Class Ia
Pembina NGL Corporation

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

App 12463A 15 Sep 2016
Class II
Rifle Shot Oil Corp.

App 12516 11 May 2016
Class Ia
North West Redwater Holdings Corp.

COMPULSORY POOLING

P 230 28 Oct 2002
P 2030A 8 Mar 2006
Gas
03-055-21W5M
Sawtooth International Resources Inc.
P 274 10 Jun 2005

P 274A 15 Oct 2015
Gas
12-055-12W4M
Rifle Shot Oil Corp.

P 301 5 Sep 2006
Gas
17-055-19W4M
Husky Oil Operations Limited

P 418 19 Jan 2011
Oil
NW/4 33-055-20W4M
Mancal Energy Inc.
P 426 19 Oct 2011

P 426A 15 Oct 2015
Gas
13-055-21W4M
Rifle Shot Oil Corp.

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0762 256002 2001-02-01 COLONY B

0762 262001 2010-04-01 GRAND RAPIDS A

0762 270001 2001-02-01 WASECA A

0762 270002 2008-05-01 WASECA B

0762 270003 2012-03-01 WASECA C

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MU 1648 21 Jul 1998

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1228 2011-09-01 RESEDLN FIELD

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1228 262001 2004-10-01 GRAND RAPIDS A

1228 262002 2004-10-01 GRAND RAPIDS B

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1228 280004 2011-07-01 CLEARWATER D

1228 280006 2005-07-01 CLEARWATER F

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1228 328036 2003-12-01	MCMURRAY JJ
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1228 328046 2004-01-01	MCMURRAY TT

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SU 2254	7 Jun 1995
SU 2254A	10 Sep 2004
SU 2254B	15 Oct 2004

COMMINGLED PRODUCTION

MU 7248	9 Sep 2009
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App 7649A 6 Sep 2012
Class II
Devon Canada Corporation

FIELD DESIGNATION

1229 2018-01-01 RESTHAVEN FIELD

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1229 176001 2010-04-01 CARDIUM A
1229 176002 2012-12-01 CARDIUM B
1229 176003 2007-12-01 CARDIUM C
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1229 228001 2011-10-01 PEACE RIVER A

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1229 855500 2011-08-01	MFP8555 GETHING
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SPACING PATTERN

SU 4356 25 Apr 2007

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0778 126007 2011-03-01 BELLY RIVER G
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0778 213027 2005-11-01	BOW ISLAND AA
0778 213028 2005-12-01	BOW ISLAND BB
0778 213029 2005-11-01	BOW ISLAND CC
0778 213030 2005-12-01	BOW ISLAND DD
0778 213031 2005-11-01	BOW ISLAND EE
0778 213032 2005-11-01	BOW ISLAND FF
0778 213033 2005-11-01	BOW ISLAND GG
0778 213034 2006-01-01	BOW ISLAND HH
0778 213035 2006-01-01	BOW ISLAND II
0778 213036 2006-04-01	BOW ISLAND JJ
0778 213037 2006-09-01	BOW ISLAND KK
0778 213038 2007-03-01	BOW ISLAND LL
0778 213039 2007-08-01	BOW ISLAND MM
0778 213040 2007-06-01	BOW ISLAND NN
0778 213041 2009-01-01	BOW ISLAND OO
0778 213042 2010-04-01	BOW ISLAND PP
0778 213043 2011-09-01	BOW ISLAND QQ
0778 213044 2010-01-01	BOW ISLAND RR
0778 213046 2010-03-01	BOW ISLAND TT

POOL DESIGNATION (cont'd)

0778 213047 2010-03-01	BOW ISLAND UU
0778 213048 2011-05-01	BOW ISLAND VV
0778 213049 2011-05-01	BOW ISLAND WW
0778 213050 2011-10-01	BOW ISLAND XX
0778 213051 2014-01-01	BOW ISLAND YY
0778 213052 2014-01-01	BOW ISLAND ZZ
0778 213401 2014-01-01	BOW ISLAND AAA
0778 213402 2014-01-01	BOW ISLAND BBB
0778 213403 2014-01-01	BOW ISLAND CCC
0778 213404 2014-01-01	BOW ISLAND DDD
0778 213405 2014-11-01	BOW ISLAND EEE
0778 213406 2015-05-01	BOW ISLAND FFF
0778 213407 2015-05-01	BOW ISLAND GGG
0778 213408 2015-05-01	BOW ISLAND HHH
0778 213409 2015-05-01	BOW ISLAND III
0778 213410 2015-05-01	BOW ISLAND JJJ
0778 213411 2015-05-01	BOW ISLAND KKK
0778 213412 2015-05-01	BOW ISLAND LLL
0778 213413 2015-05-01	BOW ISLAND MMM
0778 213414 2015-05-01	BOW ISLAND NNN
0778 242002 2011-09-01	BASAL COLORADO B
0778 242003 2002-02-01	BASAL COLORADO C
0778 248001 2011-09-01	MANNVILLE A
0778 248004 2001-02-01	MANNVILLE D
0778 248007 2001-02-01	MANNVILLE G
0778 248008 2001-02-01	MANNVILLE H
0778 248009 2011-09-01	MANNVILLE I
0778 248010 2001-02-01	MANNVILLE J
0778 248011 2001-02-01	MANNVILLE K
0778 248012 2001-02-01	MANNVILLE L
0778 248013 2001-02-01	MANNVILLE M
0778 248014 2011-09-01	MANNVILLE N
0778 248015 2001-02-01	MANNVILLE O
0778 248017 2001-02-01	MANNVILLE Q
0778 248018 2011-09-01	MANNVILLE R
0778 248019 2001-02-01	MANNVILLE S

POOL DESIGNATION (cont'd)

0778 248020 2001-02-01	MANNVILLE T
0778 248021 2001-02-01	MANNVILLE U
0778 248022 2012-12-01	MANNVILLE V
0778 248023 2010-04-01	MANNVILLE W
0778 248024 2011-09-01	MANNVILLE X
0778 248025 2001-02-01	MANNVILLE Y
0778 248026 2001-02-01	MANNVILLE Z
0778 248028 2001-02-01	MANNVILLE BB
0778 248029 2001-02-01	MANNVILLE CC
0778 248030 2006-04-01	MANNVILLE DD
0778 248031 2010-04-01	MANNVILLE EE
0778 248032 2001-02-01	MANNVILLE FF
0778 248033 2001-02-01	MANNVILLE GG
0778 248034 2001-02-01	MANNVILLE HH
0778 248035 2010-04-01	MANNVILLE II
0778 248037 2011-11-01	MANNVILLE KK
0778 248038 2011-09-01	MANNVILLE LL
0778 248039 2001-02-01	MANNVILLE MM
0778 248041 2001-02-01	MANNVILLE OO
0778 248042 2001-02-01	MANNVILLE PP
0778 248044 2010-04-01	MANNVILLE RR
0778 248046 2010-04-01	MANNVILLE TT
0778 248047 2001-02-01	MANNVILLE UU
0778 248048 2001-02-01	MANNVILLE VV
0778 248049 2001-02-01	MANNVILLE WW
0778 248050 2001-02-01	MANNVILLE XX
0778 248101 2001-02-01	MANNVILLE AAA
0778 248102 2008-09-01	MANNVILLE BBB
0778 248103 2010-04-01	MANNVILLE CCC
0778 248104 2001-02-01	MANNVILLE DDD
0778 248105 2001-02-01	MANNVILLE EEE
0778 248109 2001-02-01	MANNVILLE III
0778 248110 2001-02-01	MANNVILLE JJJ
0778 248111 2010-04-01	MANNVILLE KKK
0778 248114 2001-02-01	MANNVILLE NNN
0778 248115 2010-04-01	MANNVILLE OOO
0778 248117 2001-02-01	MANNVILLE QQQ
0778 248118 2010-04-01	MANNVILLE RRR

POOL DESIGNATION (cont'd)

0778 248120 2005-08-01	MANNVILLE TTT
0778 248121 2001-02-01	MANNVILLE UUU
0778 248122 2014-01-01	MANNVILLE VVV
0778 248123 2001-02-01	MANNVILLE WWW
0778 248124 2001-02-01	MANNVILLE XXX
0778 248125 2001-02-01	MANNVILLE YYY
0778 248127 2001-02-01	MANNVILLE A2A
0778 248128 2001-02-01	MANNVILLE B2B
0778 248130 2010-04-01	MANNVILLE D2D
0778 248131 2001-02-01	MANNVILLE E2E
0778 248132 2001-02-01	MANNVILLE F2F
0778 248133 2008-07-01	MANNVILLE G2G
0778 248134 2001-09-01	MANNVILLE H2H
0778 248135 2001-02-01	MANNVILLE I2I
0778 248136 2001-02-01	MANNVILLE J2J
0778 248137 2001-02-01	MANNVILLE K2K
0778 248138 2001-02-01	MANNVILLE L2L
0778 248139 2001-02-01	MANNVILLE M2M
0778 248140 2008-01-01	MANNVILLE N2N
0778 248141 2001-02-01	MANNVILLE O2O
0778 248142 2001-02-01	MANNVILLE P2P
0778 248143 2011-06-01	MANNVILLE Q2Q
0778 248144 2001-02-01	MANNVILLE R2R
0778 248145 2001-02-01	MANNVILLE S2S
0778 248146 2001-02-01	MANNVILLE T2T
0778 248147 2001-02-01	MANNVILLE U2U
0778 248148 2001-02-01	MANNVILLE V2V
0778 248149 2001-02-01	MANNVILLE W2W
0778 248150 2001-02-01	MANNVILLE X2X
0778 248151 2001-02-01	MANNVILLE Y2Y
0778 248152 2001-02-01	MANNVILLE Z2Z
0778 248201 2013-07-01	MANNVILLE A3A
0778 248202 2003-04-01	MANNVILLE B3B
0778 248203 2003-08-01	MANNVILLE C3C
0778 248204 2001-02-01	MANNVILLE D3D
0778 248205 2001-02-01	MANNVILLE E3E
0778 248207 2001-02-01	MANNVILLE G3G
0778 248208 2001-02-01	MANNVILLE H3H

POOL DESIGNATION (cont'd)

0778 248209 2001-10-01	MANNVILLE I3I
0778 248210 2001-02-01	MANNVILLE J3J
0778 248211 2001-02-01	MANNVILLE K3K
0778 248213 2001-02-01	MANNVILLE M3M
0778 248217 2001-02-01	MANNVILLE Q3Q
0778 248218 2001-02-01	MANNVILLE R3R
0778 248219 2001-02-01	MANNVILLE S3S
0778 248220 2001-02-01	MANNVILLE T3T
0778 248221 2001-02-01	MANNVILLE U3U
0778 248222 2010-04-01	MANNVILLE V3V
0778 248223 2005-04-01	MANNVILLE W3W
0778 248224 2009-01-01	MANNVILLE X3X
0778 248225 2001-02-01	MANNVILLE Y3Y
0778 248226 2001-10-01	MANNVILLE Z3Z
0778 248227 2011-04-01	MANNVILLE A4A
0778 248228 2001-02-01	MANNVILLE B4B
0778 248229 2001-02-01	MANNVILLE C4C
0778 248230 2001-02-01	MANNVILLE D4D
0778 248231 2001-02-01	MANNVILLE E4E
0778 248233 2001-02-01	MANNVILLE G4G
0778 248234 2009-01-01	MANNVILLE H4H
0778 248235 2001-02-01	MANNVILLE I4I
0778 248236 2001-02-01	MANNVILLE J4J
0778 248237 2004-07-01	MANNVILLE K4K
0778 248239 2011-09-01	MANNVILLE M4M
0778 248241 2001-02-01	MANNVILLE O4O
0778 248242 2001-02-01	MANNVILLE P4P
0778 248243 2001-02-01	MANNVILLE Q4Q
0778 248245 2001-02-01	MANNVILLE S4S
0778 248247 2001-02-01	MANNVILLE U4U
0778 248248 2001-02-01	MANNVILLE V4V
0778 248249 2001-02-01	MANNVILLE W4W
0778 248250 2003-06-01	MANNVILLE X4X
0778 248251 2001-02-01	MANNVILLE Y4Y
0778 248252 2001-02-01	MANNVILLE Z4Z
0778 248301 2001-02-01	MANNVILLE A5A
0778 248302 2001-02-01	MANNVILLE B5B
0778 248303 2001-02-01	MANNVILLE C5C

POOL DESIGNATION (cont'd)

0778 248304 2001-02-01	MANNVILLE D5D
0778 248305 2001-02-01	MANNVILLE E5E
0778 248306 2010-04-01	MANNVILLE F5F
0778 248307 2001-02-01	MANNVILLE G5G
0778 248308 2001-02-01	MANNVILLE H5H
0778 248310 2001-03-01	MANNVILLE J5J
0778 248311 2007-04-01	MANNVILLE K5K
0778 248312 2001-10-01	MANNVILLE L5L
0778 248313 2001-10-01	MANNVILLE M5M
0778 248314 2002-07-01	MANNVILLE N5N
0778 248315 2001-12-01	MANNVILLE O5O
0778 248316 2002-02-01	MANNVILLE P5P
0778 248317 2002-02-01	MANNVILLE Q5Q
0778 248318 2002-02-01	MANNVILLE R5R
0778 248319 2002-02-01	MANNVILLE S5S
0778 248320 2005-07-01	MANNVILLE T5T
0778 248321 2003-01-01	MANNVILLE U5U
0778 248322 2003-01-01	MANNVILLE V5V
0778 248323 2003-01-01	MANNVILLE W5W
0778 248324 2003-01-01	MANNVILLE X5X
0778 248325 2003-01-01	MANNVILLE Y5Y
0778 248326 2011-09-01	MANNVILLE Z5Z
0778 248328 2011-09-01	MANNVILLE B6B
0778 248329 2003-09-01	MANNVILLE C6C
0778 248330 2003-09-01	MANNVILLE D6D
0778 248331 2003-09-01	MANNVILLE E6E
0778 248332 2003-10-01	MANNVILLE F6F
0778 248333 2005-02-01	MANNVILLE G6G
0778 248334 2004-02-01	MANNVILLE H6H
0778 248335 2004-01-01	MANNVILLE I6I
0778 248336 2004-01-01	MANNVILLE J6J
0778 248337 2004-01-01	MANNVILLE K6K
0778 248338 2004-02-01	MANNVILLE L6L
0778 248339 2005-07-01	MANNVILLE M6M
0778 248340 2004-02-01	MANNVILLE N6N
0778 248341 2004-02-01	MANNVILLE O6O
0778 248342 2004-05-01	MANNVILLE P6P
0778 248343 2010-04-01	MANNVILLE Q6Q

POOL DESIGNATION (cont'd)

0778 248344 2005-02-01	MANNVILLE R6R
0778 248345 2011-09-01	MANNVILLE S6S
0778 248346 2005-05-01	MANNVILLE T6T
0778 248347 2005-05-01	MANNVILLE U6U
0778 248348 2005-05-01	MANNVILLE V6V
0778 248349 2005-06-01	MANNVILLE W6W
0778 248350 2010-03-01	MANNVILLE X6X
0778 248351 2005-08-01	MANNVILLE Y6Y
0778 248352 2005-09-01	MANNVILLE Z6Z
0778 248401 2005-09-01	MANNVILLE A7A
0778 248402 2005-09-01	MANNVILLE B7B
0778 248403 2006-07-01	MANNVILLE C7C
0778 248404 2006-03-01	MANNVILLE D7D
0778 248405 2005-11-01	MANNVILLE E7E
0778 248406 2005-11-01	MANNVILLE F7F
0778 248407 2005-11-01	MANNVILLE G7G
0778 248408 2005-11-01	MANNVILLE H7H
0778 248409 2005-11-01	MANNVILLE I7I
0778 248410 2009-12-01	MANNVILLE J7J
0778 248411 2005-11-01	MANNVILLE K7K
0778 248412 2005-11-01	MANNVILLE L7L
0778 248413 2013-11-01	MANNVILLE M7M
0778 248414 2005-11-01	MANNVILLE N7N
0778 248415 2005-11-01	MANNVILLE O7O
0778 248416 2005-11-01	MANNVILLE P7P
0778 248417 2005-11-01	MANNVILLE Q7Q
0778 248418 2005-11-01	MANNVILLE R7R
0778 248419 2005-11-01	MANNVILLE S7S
0778 248420 2013-11-01	MANNVILLE T7T
0778 248421 2005-11-01	MANNVILLE U7U
0778 248422 2005-11-01	MANNVILLE V7V
0778 248423 2005-11-01	MANNVILLE W7W
0778 248424 2005-11-01	MANNVILLE X7X
0778 248425 2005-11-01	MANNVILLE Y7Y
0778 248426 2005-11-01	MANNVILLE Z7Z
0778 248427 2005-11-01	MANNVILLE A8A
0778 248428 2011-09-01	MANNVILLE B8B
0778 248429 2005-11-01	MANNVILLE C8C

POOL DESIGNATION (cont'd)

0778 248430 2018-03-01	MANNVILLE D8D
0778 248431 2011-09-01	MANNVILLE E8E
0778 248432 2005-11-01	MANNVILLE F8F
0778 248433 2011-09-01	MANNVILLE G8G
0778 248434 2005-11-01	MANNVILLE H8H
0778 248435 2010-04-01	MANNVILLE I8I
0778 248436 2005-11-01	MANNVILLE J8J
0778 248437 2010-04-01	MANNVILLE K8K
0778 248438 2005-11-01	MANNVILLE L8L
0778 248439 2005-11-01	MANNVILLE M8M
0778 248440 2012-02-01	MANNVILLE N8N
0778 248441 2005-11-01	MANNVILLE O8O
0778 248442 2005-11-01	MANNVILLE P8P
0778 248443 2009-05-01	MANNVILLE Q8Q
0778 248444 2005-11-01	MANNVILLE R8R
0778 248445 2005-11-01	MANNVILLE S8S
0778 248446 2010-04-01	MANNVILLE T8T
0778 248447 2005-11-01	MANNVILLE U8U
0778 248448 2005-11-01	MANNVILLE V8V
0778 248449 2008-05-01	MANNVILLE W8W
0778 248450 2005-11-01	MANNVILLE X8X
0778 248452 2005-11-01	MANNVILLE Z8Z
0778 248501 2005-11-01	MANNVILLE A9A
0778 248502 2005-11-01	MANNVILLE B9B
0778 248503 2005-11-01	MANNVILLE C9C
0778 248504 2005-11-01	MANNVILLE D9D
0778 248505 2006-09-01	MANNVILLE E9E
0778 248506 2006-02-01	MANNVILLE F9F
0778 248507 2005-11-01	MANNVILLE G9G
0778 248508 2011-09-01	MANNVILLE H9H
0778 248509 2005-11-01	MANNVILLE I9I
0778 248510 2005-11-01	MANNVILLE J9J
0778 248511 2005-11-01	MANNVILLE K9K
0778 248512 2005-12-01	MANNVILLE L9L
0778 248513 2005-12-01	MANNVILLE M9M
0778 248514 2006-06-01	MANNVILLE N9N
0778 248515 2006-05-01	MANNVILLE O9O
0778 248516 2010-04-01	MANNVILLE P9P

POOL DESIGNATION (cont'd)

0778 248517 2006-12-01	MANNVILLE Q9Q
0778 248519 2006-09-01	MANNVILLE S9S
0778 248520 2006-07-01	MANNVILLE T9T
0778 248521 2006-08-01	MANNVILLE U9U
0778 248522 2011-09-01	MANNVILLE V9V
0778 248523 2006-11-01	MANNVILLE W9W
0778 248524 2006-11-01	MANNVILLE X9X
0778 248525 2007-01-01	MANNVILLE Y9Y
0778 248526 2007-03-01	MANNVILLE Z9Z
0778 248527 2007-03-01	MANNVILLE A10A
0778 248528 2007-06-01	MANNVILLE B10B
0778 248529 2007-06-01	MANNVILLE C10C
0778 248530 2013-10-01	MANNVILLE D10D
0778 248532 2007-07-01	MANNVILLE F10F
0778 248533 2013-09-01	MANNVILLE G10G
0778 248534 2007-09-01	MANNVILLE H10H
0778 248535 2007-11-01	MANNVILLE I10I
0778 248536 2007-09-01	MANNVILLE J10J
0778 248537 2008-05-01	MANNVILLE K10K
0778 248538 2007-10-01	MANNVILLE L10L
0778 248539 2007-09-01	MANNVILLE M10M
0778 248540 2007-10-01	MANNVILLE N10N
0778 248541 2008-06-01	MANNVILLE O10O

POOL DESIGNATION (cont'd)

0778 248542 2007-11-01	MANNVILLE P10P
0778 248543 2010-04-01	MANNVILLE Q10Q
0778 248544 2012-05-01	MANNVILLE R10R
0778 248545 2013-12-01	MANNVILLE S10S
0778 248546 2008-01-01	MANNVILLE T10T
0778 248547 2008-01-01	MANNVILLE U10U
0778 248548 2015-03-01	MANNVILLE V10V
0778 248549 2015-03-01	MANNVILLE W10W
0778 248550 2008-05-01	MANNVILLE X10X
0778 248551 2008-09-01	MANNVILLE Y10Y
0778 248552 2008-05-01	MANNVILLE Z10Z
0778 248601 2008-05-01	MANNVILLE A11A
0778 248602 2008-05-01	MANNVILLE B11B
0778 248603 2008-06-01	MANNVILLE C11C
0778 248604 2013-05-01	MANNVILLE D11D
0778 248605 2010-04-01	MANNVILLE E11E
0778 248606 2008-08-01	MANNVILLE F11F
0778 248607 2008-10-01	MANNVILLE G11G
0778 248609 2009-02-01	MANNVILLE I11I

POOL DESIGNATION (cont'd)

0778 248610 2008-11-01	MANNVILLE J11J
0778 248611 2008-11-01	MANNVILLE K11K
0778 248612 2008-11-01	MANNVILLE L11L
0778 248613 2010-04-01	MANNVILLE M11M
0778 248614 2010-04-01	MANNVILLE N11N
0778 248615 2008-12-01	MANNVILLE O11O
0778 248616 2012-02-01	MANNVILLE P11P
0778 248617 2013-12-01	MANNVILLE Q11Q
0778 248618 2009-01-01	MANNVILLE R11R
0778 248619 2010-04-01	MANNVILLE S11S
0778 248620 2010-04-01	MANNVILLE T11T
0778 248621 2009-02-01	MANNVILLE U11U
0778 248622 2009-05-01	MANNVILLE V11V
0778 248623 2009-05-01	MANNVILLE W11W
0778 248624 2010-04-01	MANNVILLE X11X
0778 248625 2009-08-01	MANNVILLE Y11Y
0778 248626 2009-07-01	MANNVILLE Z11Z
0778 248628 2009-09-01	MANNVILLE B12B
0778 248629 2009-09-01	MANNVILLE C12C

POOL DESIGNATION (cont'd)

0778 248630	2009-09-01	MANNVILLE D12D
0778 248631	2009-09-01	MANNVILLE E12E
0778 248632	2009-09-01	MANNVILLE F12F
0778 248633	2009-10-01	MANNVILLE G12G
0778 248634	2010-07-01	MANNVILLE H12H
0778 248635	2010-02-01	MANNVILLE I12I
0778 248636	2010-11-01	MANNVILLE J12J
0778 248637	2014-11-01	MANNVILLE K12K
0778 248639	2010-07-01	MANNVILLE M12M
0778 248640	2010-07-01	MANNVILLE N12N
0778 248642	2010-10-01	MANNVILLE P12P
0778 248643	2011-02-01	MANNVILLE Q12Q
0778 248644	2011-04-01	MANNVILLE R12R
0778 248646	2011-05-01	MANNVILLE T12T
0778 248647	2011-05-01	MANNVILLE U12U
0778 248648	2011-05-01	MANNVILLE V12V
0778 248649	2011-05-01	MANNVILLE W12W
0778 248650	2011-05-01	MANNVILLE X12X
0778 248652	2011-06-01	MANNVILLE Z12Z

POOL DESIGNATION (cont'd)

0778 248701	2011-07-01	MANNVILLE A13A
0778 248702	2011-10-01	MANNVILLE B13B
0778 248703	2012-01-01	MANNVILLE C13C
0778 248704	2013-03-01	MANNVILLE D13D
0778 248705	2012-03-01	MANNVILLE E13E
0778 248706	2012-04-01	MANNVILLE F13F
0778 248707	2012-10-01	MANNVILLE G13G
0778 248708	2012-05-01	MANNVILLE H13H
0778 248709	2012-07-01	MANNVILLE I13I
0778 248710	2012-09-01	MANNVILLE J13J
0778 248711	2013-03-01	MANNVILLE K13K
0778 248712	2012-10-01	MANNVILLE L13L
0778 248713	2013-03-01	MANNVILLE M13M
0778 248714	2013-06-01	MANNVILLE N13N
0778 248715	2013-07-01	MANNVILLE O13O
0778 248716	2013-07-01	MANNVILLE P13P
0778 248717	2013-07-01	MANNVILLE Q13Q
0778 248718	2013-07-01	MANNVILLE R13R
0778 248719	2013-07-01	MANNVILLE S13S

POOL DESIGNATION (cont'd)

0778 248720 2013-07-01	MANNVILLE T13T
0778 248721 2013-07-01	MANNVILLE U13U
0778 248722 2013-08-01	MANNVILLE V13V
0778 248723 2013-09-01	MANNVILLE W13W
0778 248724 2013-11-01	MANNVILLE X13X
0778 248725 2013-12-01	MANNVILLE Y13Y
0778 248726 2014-01-01	MANNVILLE Z13Z
0778 248727 2014-01-01	MANNVILLE A14A
0778 248728 2014-01-01	MANNVILLE B14B
0778 248729 2014-01-01	MANNVILLE C14C
0778 248730 2014-01-01	MANNVILLE D14D
0778 248731 2014-02-01	MANNVILLE E14E
0778 248732 2014-05-01	MANNVILLE F14F
0778 250001 2015-05-01	UPPER MANNVILLE A
0778 250002 2015-05-01	UPPER MANNVILLE B
0778 250003 2015-05-01	UPPER MANNVILLE C
0778 250004 2017-02-01	UPPER MANNVILLE D
0778 250005 2015-05-01	UPPER MANNVILLE E
0778 250006 2015-05-01	UPPER MANNVILLE F
0778 250007 2015-05-01	UPPER MANNVILLE G
0778 250008 2015-05-01	UPPER MANNVILLE H
0778 250009 2015-05-01	UPPER MANNVILLE I
0778 250010 2015-05-01	UPPER MANNVILLE J
0778 250011 2015-05-01	UPPER MANNVILLE K
0778 250012 2015-05-01	UPPER MANNVILLE L

POOL DESIGNATION (cont'd)

0778 250013 2015-05-01 UPPER MANNVILLE M
0778 250014 2015-05-01 UPPER MANNVILLE N
0778 250015 2015-05-01 UPPER MANNVILLE O
0778 250016 2015-05-01 UPPER MANNVILLE P
0778 250017 2015-05-01 UPPER MANNVILLE Q
0778 250018 2015-05-01 UPPER MANNVILLE R
0778 250019 2015-05-01 UPPER MANNVILLE S
0778 250020 2015-05-01 UPPER MANNVILLE T
0778 250022 2015-05-01 UPPER MANNVILLE V
0778 250023 2015-05-01 UPPER MANNVILLE W
0778 250024 2015-05-01 UPPER MANNVILLE X
0778 250025 2015-05-01 UPPER MANNVILLE Y
0778 250026 2015-05-01 UPPER MANNVILLE Z
0778 250027 2018-10-01 UPPER MANNVILLE AA

0778 310001 2015-05-01 LOWER MANNVILLE A
0778 310002 2015-05-01 LOWER MANNVILLE B
0778 310003 2015-05-01 LOWER MANNVILLE C
0778 310004 2017-02-01 LOWER MANNVILLE D
0778 310005 2015-05-01 LOWER MANNVILLE E
0778 310006 2015-05-01 LOWER MANNVILLE F
0778 310007 2015-05-01 LOWER MANNVILLE G
0778 310008 2015-05-01 LOWER MANNVILLE H
0778 310009 2015-05-01 LOWER MANNVILLE I
0778 310010 2015-05-01 LOWER MANNVILLE J
0778 310011 2015-05-01 LOWER MANNVILLE K
0778 310012 2015-05-01 LOWER MANNVILLE L
0778 310013 2015-05-01 LOWER MANNVILLE M
0778 310014 2015-05-01 LOWER MANNVILLE N
0778 310015 2015-05-01 LOWER MANNVILLE O
0778 310017 2015-05-01 LOWER MANNVILLE Q
0778 310018 2015-05-01 LOWER MANNVILLE R
0778 310019 2015-05-01 LOWER MANNVILLE S
0778 310020 2015-05-01 LOWER MANNVILLE T
0778 310021 2015-05-01 LOWER MANNVILLE U
0778 310023 2015-05-01 LOWER MANNVILLE W
0778 310024 2015-05-01 LOWER MANNVILLE X
0778 310025 2015-05-01 LOWER MANNVILLE Y

POOL DESIGNATION (cont'd)

0778 310026 2015-05-01	LOWER MANNVILLE Z
0778 310027 2015-05-01	LOWER MANNVILLE AA
0778 310028 2015-05-01	LOWER MANNVILLE BB
0778 310029 2015-05-01	LOWER MANNVILLE CC
0778 310030 2015-05-01	LOWER MANNVILLE DD
0778 310031 2015-05-01	LOWER MANNVILLE EE
0778 310032 2015-05-01	LOWER MANNVILLE FF
0778 310033 2015-05-01	LOWER MANNVILLE GG
0778 310034 2015-05-01	LOWER MANNVILLE HH
0778 310035 2015-05-01	LOWER MANNVILLE II
0778 310036 2015-05-01	LOWER MANNVILLE JJ
0778 310037 2015-05-01	LOWER MANNVILLE KK
0778 310038 2015-05-01	LOWER MANNVILLE LL
0778 310039 2015-05-01	LOWER MANNVILLE MM
0778 310040 2015-05-01	LOWER MANNVILLE NN
0778 310041 2015-05-01	LOWER MANNVILLE OO
0778 310042 2015-05-01	LOWER MANNVILLE PP
0778 310043 2015-05-01	LOWER MANNVILLE QQ
0778 310044 2015-05-01	LOWER MANNVILLE RR
0778 310045 2015-05-01	LOWER MANNVILLE SS
0778 310046 2015-05-01	LOWER MANNVILLE TT
0778 310047 2015-05-01	LOWER MANNVILLE UU
0778 310048 2015-05-01	LOWER MANNVILLE VV
0778 310049 2015-06-01	LOWER MANNVILLE WW
0778 310050 2015-05-01	LOWER MANNVILLE XX
0778 310051 2015-05-01	LOWER MANNVILLE YY
0778 310052 2015-05-01	LOWER MANNVILLE ZZ
0778 310101 2015-05-01	LOWER MANNVILLE AAA
0778 310102 2015-05-01	LOWER MANNVILLE BBB
0778 310103 2015-05-01	LOWER MANNVILLE CCC
0778 310104 2015-05-01	LOWER MANNVILLE DDD
0778 310105 2015-05-01	LOWER MANNVILLE EEE
0778 310106 2015-05-01	LOWER MANNVILLE FFF
0778 310107 2015-05-01	LOWER MANNVILLE GGG
0778 310108 2015-05-01	LOWER MANNVILLE HHH
0778 310109 2015-05-01	LOWER MANNVILLE III
0778 310110 2015-05-01	LOWER MANNVILLE JJJ
0778 310111 2015-05-01	LOWER MANNVILLE KKK

POOL DESIGNATION (cont'd)

0778 310112 2015-05-01	LOWER MANNVILLE LLL
0778 310113 2015-05-01	LOWER MANNVILLE MMM
0778 310114 2015-05-01	LOWER MANNVILLE NNN
0778 310115 2015-05-01	LOWER MANNVILLE OOO
0778 310116 2015-05-01	LOWER MANNVILLE PPP
0778 310117 2015-05-01	LOWER MANNVILLE QQQ
0778 310118 2015-05-01	LOWER MANNVILLE RRR
0778 310119 2015-05-01	LOWER MANNVILLE SSS
0778 310120 2015-05-01	LOWER MANNVILLE TTT
0778 310121 2015-05-01	LOWER MANNVILLE UUU
0778 310122 2015-05-01	LOWER MANNVILLE VVV
0778 310123 2015-05-01	LOWER MANNVILLE WWW
0778 310124 2015-05-01	LOWER MANNVILLE XXX
0778 310125 2015-05-01	LOWER MANNVILLE YYY
0778 310126 2015-05-01	LOWER MANNVILLE ZZZ
0778 310127 2015-05-01	LOWER MANNVILLE A2A
0778 310128 2015-05-01	LOWER MANNVILLE B2B
0778 310129 2015-05-01	LOWER MANNVILLE C2C
0778 310130 2015-05-01	LOWER MANNVILLE D2D
0778 310131 2015-05-01	LOWER MANNVILLE E2E
0778 310133 2015-05-01	LOWER MANNVILLE G2G
0778 310134 2015-05-01	LOWER MANNVILLE H2H
0778 310135 2015-05-01	LOWER MANNVILLE I2I
0778 310136 2015-05-01	LOWER MANNVILLE J2J
0778 310140 2015-05-01	LOWER MANNVILLE N2N
0778 310141 2015-05-01	LOWER MANNVILLE O2O
0778 310142 2015-05-01	LOWER MANNVILLE P2P
0778 310143 2015-05-01	LOWER MANNVILLE Q2Q
0778 310144 2015-05-01	LOWER MANNVILLE R2R
0778 310145 2017-05-01	LOWER MANNVILLE S2S
0778 310146 2015-05-01	LOWER MANNVILLE T2T
0778 428001 2015-05-01	SAWTOOTH A
0778 428002 2015-05-01	SAWTOOTH B
0778 428003 2015-05-01	SAWTOOTH C
0778 428004 2015-05-01	SAWTOOTH D
0778 428005 2015-05-01	SAWTOOTH E
0778 428006 2015-05-01	SAWTOOTH F

POOL DESIGNATION (cont'd)

0778 610001	2001-02-01	RUNDLE A
0778 610002	2002-07-01	RUNDLE B
0778 610003	2007-02-01	RUNDLE C
0778 610004	2005-11-01	RUNDLE D
0778 610005	2005-11-01	RUNDLE E
0778 610006	2006-09-01	RUNDLE F
0778 610007	2013-11-01	RUNDLE G
0778 628001	2015-05-01	LIVINGSTONE A
0778 628002	2015-05-01	LIVINGSTONE B
0778 628003	2015-05-01	LIVINGSTONE C
0778 628004	2015-05-01	LIVINGSTONE D
0778 628005	2015-05-01	LIVINGSTONE E
0778 628006	2015-05-01	LIVINGSTONE F
0778 628007	2015-05-01	LIVINGSTONE G
0778 628008	2015-05-01	LIVINGSTONE H
0778 628009	2015-05-01	LIVINGSTONE I
0778 628010	2015-05-01	LIVINGSTONE J
0778 628011	2015-05-01	LIVINGSTONE K
0778 853200	2011-12-01	MFP8532 2WS
0778 859100	2011-02-01	MFP8591 BSL BELLY RIV

SPACING PATTERN

SU 3041	31 Jul 2001
SU 3041A	30 Aug 2005
SU 4173	30 Apr 2004
SU 4173A	9 Jul 2004
SU 4173B	23 Aug 2004
SU 4173C	15 Oct 2004
SU 4173D	17 Feb 2005
SU 4173E	28 Apr 2005
SU 4173F	6 Dec 2005
SU 4173G	13 Jan 2006

COMMINGLED PRODUCTION

MU 8729 7 May 2015

ENHANCED RECOVERY SCHEMES

App 4582L 11 Mar 2014
Waterflood
Mannville D8D
Zargon Oil & Gas Ltd.

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

App 6394L 30 Jun 2016
Mannville V
Waterflood
SanLing Energy Ltd.

App 8032H 30 Jun 2016
Waterflood
Mannville V3V
SanLing Energy Ltd.

App 8151F 29 Jul 2016
Waterflood
Mannville C8C and X8X
Zargon Oil & Gas Ltd.

App 8263F 4 May 2015
Waterflood
Mannville I9I
Canadian Natural Resources Limited

App 8737G 30 Jun 2016
Waterflood
Mannville J8J
SanLing Energy Ltd.

App 10008F 6 Feb 2015
Waterflood
Mannville B8B
Zargon Oil & Gas Ltd.

App 10029H 30 Jun 2016
Mannville LL
Waterflood and CCP
SanLing Energy Ltd.

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

App 10311F 11 Mar 2014
Waterflood
Mannville H9H
Zargon Oil & Gas Ltd.

App 11376G 30 Jun 2016
Waterflood
Mannville BBB
SanLing Energy Ltd.

App 12164B 15 Jun 2015
Waterflood
Mannville PP
Wolf Coulee Resources Inc.

App 11093B 1 Sep 2015
Waterflood
Lower Mannville Q
Canadian Natural Resources Limited

App 11873D 18 Oct 2017
Waterflood
Lower Mannville NNN
Canadian Natural Resources Limited

App 11714B 1 Sep 2015
Waterflood
Lower Mannville O2O
Canadian Natural Resources Limited

App 11547C 1 Sep 2015
Waterflood
Lower Mannville G
Canadian Natural Resources Limited

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

App 11499B 1 Sep 2015
Waterflood
Lower Mannville E2E & Sawtooth A
Canadian Natural Resources Limited

App 11884B 18 May 2016
Waterflood
Lower Mannville NNN
Canadian Natural Resources Limited

App 12026B 9 Dec 2015
Waterflood
Lower Mannville C
Baytex Energy Ltd.

App 6164H 11 Dec 2015
Waterflood
Lower Mannville P2P
Canadian Natural Resources Limited

App 11713B 11 Dec 2015
Waterflood
Lower Mannville F
Canadian Natural Resources Limited

App 5390H 30 Jun 2016
Waterflood
Upper Mannville H
SanLing Energy Ltd.

App 12661 22 Aug 2017
Waterflood
Lower Mannville S2S
Canadian Natural Resources Limited

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

App 12694 7 Feb 2018
Waterflood
Mannville G8G
Zargon Oil & Gas Ltd.

CONCURRENT PRODUCTION

MISC 95047 14 Feb 1995
Mannville Y

SUBSURFACE DISPOSAL SCHEMES

App 12730 14 May 2018
Waterflood
Mannville A
Canadian Natural Resources Limited

App 7660A 30 Oct 2012
Class II
Wolf Coulee Resources Inc.

App 9628E 7 Sep 2016
Class II
SanLing Energy Ltd.

App 9959B 30 Jan 2018
Class III Acid Gas
AltaGas Ltd.

App 10380 11 Oct 2005
Class II
Ridal Resources Ltd.

App 10913J 14 May 2018
Class II
Canadian Natural Resources Limited

SUBSURFACE DISPOSAL SCHEMES

(cont'd)

App 11171H 9 Feb 2016
Class II
Canadian Natural Resources Limited

App 10396D 18 Sep 2015
Class II
Baytex Energy Ltd.

App 11746A 22 Sep 2015
Class II
Traverse Energy Ltd.

App 11823B 22 Sep 2015
Class II
Firenze Energy Ltd.

FIELD DESIGNATION

0780 2011-05-01 RIBSTONE FIELD

POOL DESIGNATION

0780 218001 2005-07-01 VIKING A

0780 256002 2001-02-01 COLONY B
0780 256003 2012-11-01 COLONY C
0780 256004 2002-05-01 COLONY D
0780 256005 2001-02-01 COLONY E
0780 256006 2001-02-01 COLONY F
0780 256007 2010-04-01 COLONY G
0780 256008 2001-02-01 COLONY H
0780 256009 2001-02-01 COLONY I
0780 256010 2001-02-01 COLONY J
0780 256011 2001-02-01 COLONY K
0780 256012 2001-02-01 COLONY L
0780 256013 2010-04-01 COLONY M
0780 256014 2005-07-01 COLONY N
0780 256015 2004-12-01 COLONY O
0780 256016 2009-02-01 COLONY P
0780 256017 2011-05-01 COLONY Q
0780 256018 2011-06-01 COLONY R

0780 276001 2011-08-01 SPARKY A
0780 276003 2001-02-01 SPARKY C
0780 276004 2003-11-01 SPARKY D
0780 276005 2003-11-01 SPARKY E
0780 276006 2004-05-01 SPARKY F
0780 276008 2009-02-01 SPARKY H
0780 276009 2013-07-01 SPARKY I
0780 276010 2017-08-01 SPARKY J

0780 286001 2001-02-01 GENERAL PETROLEUM A
0780 286002 2008-10-01 GENERAL PETROLEUM B

POOL DESIGNATION (cont'd)

0780 288001	2006-04-01	REX A
0780 294001	2001-02-01	LLOYDMINSTER A
0780 294002	2001-02-01	LLOYDMINSTER B
0780 294003	2001-02-01	LLOYDMINSTER C
0780 294004	2001-02-01	LLOYDMINSTER D
0780 294005	2003-08-01	LLOYDMINSTER E
0780 294006	2013-07-01	LLOYDMINSTER F
0780 696001	2008-08-01	NISKU A
0780 696002	2003-04-01	NISKU B
0780 696005	2001-02-01	NISKU E
0780 696006	2010-03-01	NISKU F
0780 696007	2008-12-01	NISKU G
0780 696008	2008-10-01	NISKU H
0780 696009	2010-05-01	NISKU I
0780 708001	2010-04-01	CAMROSE A
0780 708003	2008-04-01	CAMROSE C

SPACING PATTERN

SU 4085	26 Jun 2003
SU 4085A	21 Jul 2004
SU 4085B	20 Sep 2007

COMMINGLED PRODUCTION

MU 4020	11 Jan 2005
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ENHANCED RECOVERY SCHEMES

App 10185H	19 Jan 2016
Waterflood	
Sparky A	
Repsol Oil & Gas Canada Inc.	

CONCURRENT PRODUCTION

App 2240	29 Mar 1976
Sparky A	
Pacific Petroleum Limited	

SUBSURFACE DISPOSAL SCHEMES

App 9034A	19 Sep 2011
Class II	
Penn West Petroleum Ltd.	

App 9548B	30 Jun 2016
Class II	
Repsol Oil & Gas Canada Inc.	

FIELD DESIGNATION

0782 2010-09-01 RICH FIELD

POOL DESIGNATION

0782 106001 2001-02-01 EDMONTON A

0782 106002 2003-09-01 EDMONTON B

0782 118801 2009-03-01 LOWER EDMONTON A

0782 118802 2009-03-01 LOWER EDMONTON B

0782 118803 2009-12-01 LOWER EDMONTON C

0782 118804 2010-09-01 LOWER EDMONTON D

0782 118805 2013-04-01 LOWER EDMONTON E

0782 118806 2013-04-01 LOWER EDMONTON F

0782 126023 2010-01-01 BELLY RIVER W

0782 126024 2009-11-01 BELLY RIVER X

0782 134001 2005-06-01 BASAL BELLY RIVER A

0782 134002 2005-07-01 BASAL BELLY RIVER B

0782 134003 2005-07-01 BASAL BELLY RIVER C

0782 134004 2006-12-01 BASAL BELLY RIVER D

0782 134006 2010-04-01 BASAL BELLY RIVER F

0782 134007 2010-04-01 BASAL BELLY RIVER G

0782 218001 2001-02-01 VIKING A

0782 218002 2001-02-01 VIKING B

0782 218003 2001-02-01 VIKING C

0782 218004 2001-02-01 VIKING D

0782 218005 2001-02-01 VIKING E

0782 218006 2001-03-01 VIKING F

0782 218007 2002-05-01 VIKING G

0782 300002 2001-02-01 GLAUCONITIC B

0782 300003 2001-02-01 GLAUCONITIC C

0782 300005 2001-02-01 GLAUCONITIC E

0782 300006 2010-04-01 GLAUCONITIC F

POOL DESIGNATION (cont'd)

0782 300007 2001-02-01	GLAUCONITIC G
0782 300008 2001-02-01	GLAUCONITIC H
0782 300009 2001-02-01	GLAUCONITIC I
0782 300010 2001-02-01	GLAUCONITIC J
0782 300011 2001-02-01	GLAUCONITIC K
0782 300012 2010-04-01	GLAUCONITIC L
0782 300014 2002-01-01	GLAUCONITIC N
0782 300015 2002-05-01	GLAUCONITIC O
0782 300016 2006-10-01	GLAUCONITIC P
0782 300017 2007-09-01	GLAUCONITIC Q
0782 300018 2007-12-01	GLAUCONITIC R
0782 300019 2008-05-01	GLAUCONITIC S
0782 300020 2008-05-01	GLAUCONITIC T
0782 310003 2001-02-01	LOWER MANNVILLE C
0782 310005 2001-02-01	LOWER MANNVILLE E
0782 310006 2001-02-01	LOWER MANNVILLE F
0782 310007 2001-02-01	LOWER MANNVILLE G
0782 310008 2001-02-01	LOWER MANNVILLE H
0782 310009 2010-04-01	LOWER MANNVILLE I
0782 310010 2010-04-01	LOWER MANNVILLE J
0782 310011 2010-04-01	LOWER MANNVILLE K
0782 310012 2004-07-01	LOWER MANNVILLE L
0782 310013 2007-05-01	LOWER MANNVILLE M
0782 310014 2007-07-01	LOWER MANNVILLE N
0782 310015 2007-09-01	LOWER MANNVILLE O
0782 310016 2008-05-01	LOWER MANNVILLE P
0782 310017 2008-09-01	LOWER MANNVILLE Q
0782 310018 2009-11-01	LOWER MANNVILLE R
0782 316001 2012-01-01	OSTRACOD A
0782 696001 2001-02-01	D-2 A
0782 696002 2017-03-01	D-2 B
0782 720001 2001-02-01	D-3 A
0782 775001 2014-08-01	WINNIPEGOSIS A

POOL DESIGNATION (cont'd)

0782 850600 2011-03-01 MFP8506 BELLY RIVER

0782 853500 2011-01-01 MFP8535 BSL BELLY RIV

SPACING PATTERN

SU 2480 31 Jan 1996
SU 2480A 21 Dec 2001
SU 2480B 10 Dec 2004
SU 2480C 11 Apr 2005
SU 2480D 7 May 2005
SU 2480E 4 Jul 2005
SU 2480G 12 Jan 2006
SU 2480H 24 Feb 2006
SU 2480I 10 Apr 2006
SU 2480J 13 Apr 2007

COMMINGLED PRODUCTION

MU 8211 1 Nov 2011

ENHANCED RECOVERY SCHEMES

App 8127F 12 Feb 2015
Other
D-3 A
Pengrowth Energy Corporation

COMPULSORY POOLING

P 261 25 Oct 2004
P 261A 31 Jan 2005
Gas
13-034-20W4M
Canadian Natural Resources Limited

FIELD DESIGNATION

0783 2014-03-01 RICHDALE FIELD

POOL DESIGNATION

0783 186007 2008-12-01 SECOND WHITE SPECKS G
0783 186008 2008-12-01 SECOND WHITE SPECKS H
0783 186009 2011-02-01 SECOND WHITE SPECKS I

0783 218001 2010-04-01 VIKING A
0783 218003 2002-06-01 VIKING C
0783 218004 2002-10-01 VIKING D
0783 218005 2013-03-01 VIKING E
0783 218006 2001-02-01 VIKING F
0783 218007 2001-02-01 VIKING G
0783 218008 2001-03-01 VIKING H
0783 218009 2001-02-01 VIKING I
0783 218010 2013-12-01 VIKING J
0783 218012 2001-02-01 VIKING L
0783 218014 2001-02-01 VIKING N
0783 218015 2001-02-01 VIKING O
0783 218016 2001-03-01 VIKING P
0783 218017 2010-07-01 VIKING Q
0783 218018 2010-07-01 VIKING R
0783 218019 2008-11-01 VIKING S
0783 218021 2005-05-01 VIKING U
0783 218022 2005-05-01 VIKING V
0783 218023 2005-12-01 VIKING W
0783 218025 2014-03-01 VIKING Y
0783 218026 2014-03-01 VIKING Z

0783 242001 2001-02-01 BASAL COLORADO A

0783 250001 2010-04-01 UPPER MANNVILLE A
0783 250003 2001-02-01 UPPER MANNVILLE C
0783 250004 2010-04-01 UPPER MANNVILLE D
0783 250006 2001-02-01 UPPER MANNVILLE F

POOL DESIGNATION (cont'd)

0783 250007	2010-05-01	UPPER MANNVILLE G
0783 250008	2001-02-01	UPPER MANNVILLE H
0783 250009	2003-01-01	UPPER MANNVILLE I
0783 250010	2001-02-01	UPPER MANNVILLE J
0783 250011	2010-04-01	UPPER MANNVILLE K
0783 250012	2001-02-01	UPPER MANNVILLE L
0783 250015	2002-07-01	UPPER MANNVILLE O
0783 250016	2010-04-01	UPPER MANNVILLE P
0783 250017	2010-04-01	UPPER MANNVILLE Q
0783 250018	2010-04-01	UPPER MANNVILLE R
0783 250019	2001-02-01	UPPER MANNVILLE S
0783 250020	2001-02-01	UPPER MANNVILLE T
0783 250021	2001-02-01	UPPER MANNVILLE U
0783 250022	2001-02-01	UPPER MANNVILLE V
0783 250023	2001-02-01	UPPER MANNVILLE W
0783 250024	2010-04-01	UPPER MANNVILLE X
0783 250025	2001-02-01	UPPER MANNVILLE Y
0783 250026	2001-02-01	UPPER MANNVILLE Z
0783 250027	2010-04-01	UPPER MANNVILLE AA
0783 250028	2001-02-01	UPPER MANNVILLE BB
0783 250030	2001-02-01	UPPER MANNVILLE DD
0783 250035	2001-02-01	UPPER MANNVILLE II
0783 250036	2001-02-01	UPPER MANNVILLE JJ
0783 250037	2003-10-01	UPPER MANNVILLE KK
0783 250038	2001-02-01	UPPER MANNVILLE LL
0783 250039	2001-02-01	UPPER MANNVILLE MM
0783 250040	2010-04-01	UPPER MANNVILLE NN
0783 250042	2001-02-01	UPPER MANNVILLE PP
0783 250043	2010-04-01	UPPER MANNVILLE QQ
0783 250044	2016-10-01	UPPER MANNVILLE RR
0783 250045	2001-02-01	UPPER MANNVILLE SS
0783 250046	2001-02-01	UPPER MANNVILLE TT
0783 250047	2001-02-01	UPPER MANNVILLE UU
0783 250048	2001-02-01	UPPER MANNVILLE VV
0783 250049	2001-11-01	UPPER MANNVILLE WW
0783 250050	2002-06-01	UPPER MANNVILLE XX
0783 250051	2002-07-01	UPPER MANNVILLE YY
0783 250052	2003-01-01	UPPER MANNVILLE ZZ

POOL DESIGNATION (cont'd)

0783 250701 2003-06-01	UPPER MANNVILLE AAA
0783 250702 2003-05-01	UPPER MANNVILLE BBB
0783 250703 2003-07-01	UPPER MANNVILLE CCC
0783 250704 2006-01-01	UPPER MANNVILLE DDD
0783 250705 2003-10-01	UPPER MANNVILLE EEE
0783 250706 2005-07-01	UPPER MANNVILLE FFF
0783 250707 2005-01-01	UPPER MANNVILLE GGG
0783 250708 2010-04-01	UPPER MANNVILLE HHH
0783 250709 2005-05-01	UPPER MANNVILLE III
0783 250710 2005-07-01	UPPER MANNVILLE JJJ
0783 250711 2006-05-01	UPPER MANNVILLE KKK
0783 250712 2008-09-01	UPPER MANNVILLE LLL
0783 250713 2009-05-01	UPPER MANNVILLE MMM
0783 250714 2009-06-01	UPPER MANNVILLE NNN
0783 250715 2009-06-01	UPPER MANNVILLE OOO
0783 250716 2010-03-01	UPPER MANNVILLE PPP
0783 250717 2009-07-01	UPPER MANNVILLE QQQ
0783 250718 2010-03-01	UPPER MANNVILLE RRR
0783 250719 2010-03-01	UPPER MANNVILLE SSS
0783 250720 2010-03-01	UPPER MANNVILLE TTT
0783 250721 2010-03-01	UPPER MANNVILLE UUU
0783 250722 2010-03-01	UPPER MANNVILLE VVV
0783 250723 2010-07-01	UPPER MANNVILLE WWW
0783 250724 2012-05-01	UPPER MANNVILLE XXX
0783 250725 2012-07-01	UPPER MANNVILLE YYY
0783 250726 2012-07-01	UPPER MANNVILLE ZZZ
0783 250727 2012-07-01	UPPER MANNVILLE A2A
0783 250728 2012-12-01	UPPER MANNVILLE B2B
0783 250729 2013-04-01	UPPER MANNVILLE C2C
0783 250730 2013-09-01	UPPER MANNVILLE D2D
0783 250731 2013-09-01	UPPER MANNVILLE E2E
0783 250732 2014-01-01	UPPER MANNVILLE F2F
0783 250733 2014-01-01	UPPER MANNVILLE G2G
0783 250734 2014-03-01	UPPER MANNVILLE H2H
0783 250735 2014-03-01	UPPER MANNVILLE I2I
0783 250736 2014-03-01	UPPER MANNVILLE J2J
0783 250737 2014-03-01	UPPER MANNVILLE K2K
0783 250738 2014-03-01	UPPER MANNVILLE L2L

POOL DESIGNATION (cont'd)

0783 250739 2014-03-01	UPPER MANNVILLE M2M
0783 250740 2014-03-01	UPPER MANNVILLE N2N
0783 250741 2014-03-01	UPPER MANNVILLE O2O
0783 300013 2010-04-01	GLAUCONITIC M
0783 300014 2001-03-01	GLAUCONITIC N
0783 300015 2001-06-01	GLAUCONITIC O
0783 300016 2006-09-01	GLAUCONITIC P
0783 300017 2005-07-01	GLAUCONITIC Q
0783 300021 2009-07-01	GLAUCONITIC U
0783 300024 2008-01-01	GLAUCONITIC X
0783 300028 2009-03-01	GLAUCONITIC BB
0783 300029 2009-07-01	GLAUCONITIC CC
0783 300030 2009-06-01	GLAUCONITIC DD
0783 300031 2009-06-01	GLAUCONITIC EE
0783 300032 2009-07-01	GLAUCONITIC FF
0783 300033 2009-07-01	GLAUCONITIC GG
0783 300034 2009-07-01	GLAUCONITIC HH
0783 300035 2009-09-01	GLAUCONITIC II
0783 300036 2010-09-01	GLAUCONITIC JJ
0783 300037 2010-09-01	GLAUCONITIC KK
0783 300038 2012-12-01	GLAUCONITIC LL
0783 300039 2013-03-01	GLAUCONITIC MM
0783 310002 2001-02-01	LOWER MANNVILLE B
0783 310006 2006-05-01	LOWER MANNVILLE F
0783 310008 2005-03-01	LOWER MANNVILLE H
0783 310015 2001-02-01	LOWER MANNVILLE O
0783 310016 2010-10-01	LOWER MANNVILLE P
0783 310017 2006-07-01	LOWER MANNVILLE Q
0783 310018 2010-04-01	LOWER MANNVILLE R
0783 310021 2001-02-01	LOWER MANNVILLE U
0783 310023 2001-02-01	LOWER MANNVILLE W
0783 310024 2001-02-01	LOWER MANNVILLE X
0783 310026 2001-02-01	LOWER MANNVILLE Z
0783 310027 2001-02-01	LOWER MANNVILLE AA
0783 310028 2004-03-01	LOWER MANNVILLE BB
0783 310029 2010-04-01	LOWER MANNVILLE CC

POOL DESIGNATION (cont'd)

0783 310031 2001-02-01 LOWER MANNVILLE EE
0783 310032 2001-02-01 LOWER MANNVILLE FF
0783 310033 2001-02-01 LOWER MANNVILLE GG
0783 310034 2001-02-01 LOWER MANNVILLE HH
0783 310035 2001-02-01 LOWER MANNVILLE II
0783 310037 2001-02-01 LOWER MANNVILLE KK
0783 310039 2010-04-01 LOWER MANNVILLE MM
0783 310041 2012-12-01 LOWER MANNVILLE OO

0783 644001 2010-04-01 BANFF A
0783 644002 2006-12-01 BANFF B

0783 852700 2014-03-01 MFP8527 2WS

0783 854800 2014-03-01 MFP8548 MILK RIVER

SPACING PATTERN

SU 4000 12 Apr 2002
SU 4000A 7 Nov 2002
SU 4000B 9 Sep 2003
SU 4000C 7 May 2004
SU 4000D 6 Sep 2005
SU 4000E 7 Nov 2005
SU 4000F 17 Feb 2006
SU 4000G 12 May 2006
SU 4000H 7 Sep 2006
SU 4000I 20 Mar 2007

COMMINGLED PRODUCTION

MU 8600 12 Mar 2014

SUBSURFACE DISPOSAL SCHEMES

App 12550 15 Aug 2016
Class II
Canadian Natural Resources Limited

FIELD DESIGNATION

0784 2008-02-01 RICHMOND FIELD

POOL DESIGNATION

0784 262001 2001-02-01 GRAND RAPIDS A

0784 262002 2001-02-01 GRAND RAPIDS B

0784 262003 2001-02-01 GRAND RAPIDS C

0784 262004 2008-03-01 GRAND RAPIDS D

0784 262005 2008-05-01 GRAND RAPIDS E

0784 306001 2001-02-01 WABISKAW A

0784 696002 2001-02-01 NISKU B

0784 696004 2001-02-01 NISKU D

0784 696006 2001-02-01 NISKU F

0784 696007 2008-04-01 NISKU G

FIELD DESIGNATION

0785 2010-03-01 RICINUS FIELD

POOL DESIGNATION

0785 176001 2010-04-01 CARDIUM A
0785 176002 2010-04-01 CARDIUM B
0785 176003 2010-04-01 CARDIUM C
0785 176004 2010-04-01 CARDIUM D
0785 176005 2010-04-01 CARDIUM E
0785 176007 2012-11-01 CARDIUM G
0785 176008 2012-11-01 CARDIUM H
0785 176011 2001-02-01 CARDIUM K
0785 176012 2010-04-01 CARDIUM L
0785 176013 2001-02-01 CARDIUM M
0785 176017 2010-04-01 CARDIUM Q
0785 176018 2010-04-01 CARDIUM R
0785 176019 2010-04-01 CARDIUM S
0785 176022 2010-04-01 CARDIUM V
0785 176023 2011-12-01 CARDIUM W
0785 176025 2001-02-01 CARDIUM Y
0785 176026 2010-04-01 CARDIUM Z
0785 176027 2001-02-01 CARDIUM AA
0785 176028 2001-02-01 CARDIUM BB
0785 176029 2001-02-01 CARDIUM CC
0785 176032 2001-02-01 CARDIUM FF
0785 176033 2001-02-01 CARDIUM GG
0785 176035 2001-02-01 CARDIUM II
0785 176036 2014-03-01 CARDIUM JJ
0785 176037 2010-04-01 CARDIUM KK
0785 176038 2001-02-01 CARDIUM LL
0785 176039 2015-12-01 CARDIUM MM
0785 176040 2005-08-01 CARDIUM NN
0785 176041 2005-08-01 CARDIUM OO
0785 176044 2001-02-01 CARDIUM RR
0785 176046 2010-04-01 CARDIUM TT
0785 176047 2010-04-01 CARDIUM UU

POOL DESIGNATION (cont'd)

0785 176048 2001-02-01	CARDIUM VV
0785 176049 2004-09-01	CARDIUM WW
0785 176050 2001-02-01	CARDIUM XX
0785 176052 2001-02-01	CARDIUM ZZ
0785 176301 2017-04-01	CARDIUM AAA
0785 176302 2001-02-01	CARDIUM BBB
0785 176304 2001-02-01	CARDIUM DDD
0785 176307 2011-11-01	CARDIUM GGG
0785 176308 2001-02-01	CARDIUM HHH
0785 176309 2001-02-01	CARDIUM III
0785 176310 2001-02-01	CARDIUM JJJ
0785 176311 2010-04-01	CARDIUM KKK
0785 176313 2001-02-01	CARDIUM MMM
0785 176315 2004-08-01	CARDIUM OOO
0785 176316 2001-02-01	CARDIUM PPP
0785 176318 2003-10-01	CARDIUM RRR
0785 176319 2001-02-01	CARDIUM SSS
0785 176320 2001-02-01	CARDIUM TTT
0785 176321 2001-02-01	CARDIUM UUU
0785 176324 2001-02-01	CARDIUM XXX
0785 176325 2001-02-01	CARDIUM YYY
0785 176326 2001-02-01	CARDIUM ZZZ
0785 176327 2001-02-01	CARDIUM A2A
0785 176328 2010-04-01	CARDIUM B2B
0785 176329 2004-08-01	CARDIUM C2C
0785 176330 2004-08-01	CARDIUM D2D
0785 176331 2001-03-01	CARDIUM E2E
0785 176332 2001-03-01	CARDIUM F2F
0785 176333 2004-08-01	CARDIUM G2G
0785 176334 2010-04-01	CARDIUM H2H
0785 176335 2010-04-01	CARDIUM I2I
0785 176336 2014-04-01	CARDIUM J2J
0785 176337 2004-06-01	CARDIUM K2K
0785 176338 2004-11-01	CARDIUM L2L
0785 176339 2004-11-01	CARDIUM M2M
0785 176340 2004-10-01	CARDIUM N2N
0785 176341 2009-03-01	CARDIUM O2O
0785 176342 2010-04-01	CARDIUM P2P

POOL DESIGNATION (cont'd)

0785 176343 2010-04-01	CARDIUM Q2Q
0785 176344 2010-04-01	CARDIUM R2R
0785 176346 2010-02-01	CARDIUM T2T
0785 176347 2010-04-01	CARDIUM U2U
0785 176348 2010-04-01	CARDIUM V2V
0785 176349 2006-12-01	CARDIUM W2W
0785 176350 2007-07-01	CARDIUM X2X
0785 176351 2007-07-01	CARDIUM Y2Y
0785 176352 2007-09-01	CARDIUM Z2Z
0785 180101 2007-10-01	CARDIUM A3A
0785 180102 2011-09-01	CARDIUM B3B
0785 180103 2009-10-01	CARDIUM C3C
0785 180104 2008-11-01	CARDIUM D3D
0785 180105 2008-11-01	CARDIUM E3E
0785 180106 2009-07-01	CARDIUM F3F
0785 180107 2009-10-01	CARDIUM G3G
0785 180108 2014-04-01	CARDIUM H3H
0785 180109 2009-03-01	CARDIUM I3I
0785 180110 2010-12-01	CARDIUM J3J
0785 180111 2014-01-01	CARDIUM K3K
0785 180112 2012-10-01	CARDIUM L3L
0785 180113 2017-02-01	CARDIUM M3M
0785 180114 2014-08-01	CARDIUM N3N
0785 180115 2015-12-01	CARDIUM O3O
0785 186001 2016-10-01	SECOND WHITE SPECKS A
0785 218001 2001-02-01	VIKING A
0785 218002 2004-12-01	VIKING B
0785 218003 2001-02-01	VIKING C
0785 218004 2001-02-01	VIKING D
0785 218005 2001-02-01	VIKING E
0785 218006 2001-02-01	VIKING F
0785 218007 2010-04-01	VIKING G
0785 218008 2001-02-01	VIKING H
0785 218009 2011-11-01	VIKING I
0785 218010 2001-02-01	VIKING J
0785 218011 2001-02-01	VIKING K

POOL DESIGNATION (cont'd)

0785 218012 2010-04-01	VIKING L
0785 218013 2010-04-01	VIKING M
0785 218014 2010-04-01	VIKING N
0785 218015 2004-09-01	VIKING O
0785 218019 2001-02-01	VIKING S
0785 218020 2001-02-01	VIKING T
0785 218021 2001-02-01	VIKING U
0785 218022 2001-02-01	VIKING V
0785 218024 2010-05-01	VIKING X
0785 218025 2001-02-01	VIKING Y
0785 218026 2010-04-01	VIKING Z
0785 218027 2001-02-01	VIKING AA
0785 218028 2006-07-01	VIKING BB
0785 218031 2001-02-01	VIKING EE
0785 218033 2001-02-01	VIKING GG
0785 218035 2001-02-01	VIKING II
0785 218036 2001-02-01	VIKING JJ
0785 218037 2001-02-01	VIKING KK
0785 218038 2001-02-01	VIKING LL
0785 218041 2002-06-01	VIKING OO
0785 218042 2006-07-01	VIKING PP
0785 218043 2001-03-01	VIKING QQ
0785 218044 2004-08-01	VIKING RR
0785 218045 2001-03-01	VIKING SS
0785 218046 2001-09-01	VIKING TT
0785 218047 2001-06-01	VIKING UU
0785 218048 2001-07-01	VIKING VV
0785 218049 2001-06-01	VIKING WW
0785 218050 2001-10-01	VIKING XX
0785 218051 2002-02-01	VIKING YY
0785 218052 2008-11-01	VIKING ZZ
0785 220401 2010-04-01	VIKING AAA
0785 220402 2010-04-01	VIKING BBB
0785 220405 2002-09-01	VIKING EEE
0785 220406 2002-12-01	VIKING FFF
0785 220407 2003-01-01	VIKING GGG
0785 220408 2010-04-01	VIKING HHH
0785 220409 2010-04-01	VIKING III

POOL DESIGNATION (cont'd)

0785 220410 2003-06-01	VIKING JJJ
0785 220411 2003-09-01	VIKING KKK
0785 220412 2003-06-01	VIKING LLL
0785 220413 2004-12-01	VIKING MMM
0785 220414 2003-10-01	VIKING NNN
0785 220415 2010-07-01	VIKING OOO
0785 220416 2003-08-01	VIKING PPP
0785 220417 2005-02-01	VIKING QQQ
0785 220418 2008-02-01	VIKING RRR
0785 220419 2005-04-01	VIKING SSS
0785 220420 2004-09-01	VIKING TTT
0785 220421 2004-10-01	VIKING UUU
0785 220422 2004-08-01	VIKING VVV
0785 220423 2004-09-01	VIKING WWW
0785 220425 2005-06-01	VIKING YYY
0785 220426 2009-08-01	VIKING ZZZ
0785 220427 2007-06-01	VIKING A2A
0785 220428 2014-01-01	VIKING B2B
0785 220429 2014-01-01	VIKING C2C
0785 220431 2005-12-01	VIKING E2E
0785 220432 2007-02-01	VIKING F2F
0785 220433 2007-07-01	VIKING G2G
0785 220434 2010-04-01	VIKING H2H
0785 220435 2009-01-01	VIKING I2I
0785 220436 2008-10-01	VIKING J2J
0785 220437 2008-11-01	VIKING K2K
0785 220438 2009-03-01	VIKING L2L
0785 220439 2009-04-01	VIKING M2M
0785 220441 2008-12-01	VIKING O2O
0785 220442 2009-03-01	VIKING P2P
0785 220443 2009-01-01	VIKING Q2Q
0785 220444 2009-09-01	VIKING R2R
0785 220445 2011-12-01	VIKING S2S
0785 220446 2009-10-01	VIKING T2T
0785 220447 2009-10-01	VIKING U2U
0785 220448 2009-12-01	VIKING V2V
0785 220449 2009-12-01	VIKING W2W
0785 220450 2011-02-01	VIKING X2X

POOL DESIGNATION (cont'd)

0785 220451	2011-02-01	VIKING Y2Y
0785 220452	2011-02-01	VIKING Z2Z
0785 223901	2011-02-01	VIKING A3A
0785 223902	2010-10-01	VIKING B3B
0785 223903	2010-10-01	VIKING C3C
0785 223904	2011-11-01	VIKING D3D
0785 223905	2012-04-01	VIKING E3E
0785 223906	2012-04-01	VIKING F3F
0785 223907	2013-06-01	VIKING G3G
0785 223908	2013-09-01	VIKING H3H
0785 223909	2013-11-01	VIKING I3I
0785 223910	2016-01-01	VIKING J3J
0785 223911	2016-01-01	VIKING K3K
0785 223912	2016-01-01	VIKING L3L
0785 244001	2001-02-01	BLAIRMORE A
0785 244002	2010-07-01	BLAIRMORE B
0785 248001	2001-02-01	MANNVILLE A
0785 250001	2010-02-01	UPPER MANNVILLE A
0785 250002	2010-04-01	UPPER MANNVILLE B
0785 300001	2005-01-01	GLAUCONITIC A
0785 300002	2008-08-01	GLAUCONITIC B
0785 300003	2007-11-01	GLAUCONITIC C
0785 310001	2010-04-01	LOWER MANNVILLE A
0785 310002	2013-03-01	LOWER MANNVILLE B
0785 310003	2013-09-01	LOWER MANNVILLE C
0785 336001	2012-03-01	ELLERSLIE A
0785 336002	2007-01-01	ELLERSLIE B
0785 336003	2004-05-01	ELLERSLIE C
0785 336004	2004-05-01	ELLERSLIE D
0785 336008	2012-03-01	ELLERSLIE H
0785 336009	2005-06-01	ELLERSLIE I
0785 336010	2005-11-01	ELLERSLIE J

POOL DESIGNATION (cont'd)

0785 336011 2012-03-01 ELLERSLIE K
0785 336013 2008-08-01 ELLERSLIE M
0785 336014 2007-11-01 ELLERSLIE N
0785 336015 2007-11-01 ELLERSLIE O
0785 336016 2009-02-01 ELLERSLIE P
0785 336017 2011-09-01 ELLERSLIE Q
0785 336018 2012-03-01 ELLERSLIE R
0785 336019 2012-03-01 ELLERSLIE S
0785 336020 2013-03-01 ELLERSLIE T
0785 336021 2013-09-01 ELLERSLIE U

0785 720001 2010-04-01 D-3 A
0785 720002 2001-02-01 D-3 B
0785 720003 2001-02-01 D-3 C
0785 720004 2001-02-01 D-3 D

SPACING PATTERN

SU 2451 13 Dec 1995
SU 2451A 3 Apr 1996
SU 2451B 12 May 1999
SU 2451C 9 Nov 2000
SU 2451D 20 Aug 2004
SU 2451E 13 Oct 2005
SU 2451F 10 Feb 2006

COMMINGLED PRODUCTION

MU 8790 20 Apr 2016

GAS CYCLING

App 12274A 17 Sept 2014
Caroline Beaverhill Lake A
Gas cycling
Shell Canada Ltd.

GAS STORAGE SCHEMES

App 4006 30 Dec 1983
Cardium L
Amoco Canada Petroleum Co. Ltd.

ENHANCED RECOVERY SCHEMES

App 6988 28 Sep 1992

App 6988A 3 Apr 1998
Other
Cardium Q
Amoco Canada Petroleum Company Ltd.

FIELD DESIGNATION

0786 2005-08-01 RICINUS WEST FIELD

POOL DESIGNATION

0786 176001 2010-04-01 CARDIUM A

0786 218001 2005-09-01 VIKING A

0786 250001 2004-02-01 UPPER MANNVILLE A

0786 310001 2001-02-01 LOWER MANNVILLE A

0786 310002 2001-02-01 LOWER MANNVILLE B

0786 696001 2001-02-01 D-2 A

0786 720001 2010-04-01 D-3 A

0786 720002 2005-12-01 D-3 B

0786 732001 2001-02-01 COOKING LAKE A

SPACING PATTERN

SU 2725 27 Mar 1996

COMMINGLED PRODUCTION

MU 7878 25 May 2011

SUBSURFACE DISPOSAL SCHEMES

App 5109C 26 Mar 2018
Class Ib
Tidewater Midstream and Infrastructure Ltd.

FIELD DESIGNATION

0781 2001-02-01 RINGS FIELD

POOL DESIGNATION

0781 612001 2001-02-01 DEBOLT A

0781 658001 2001-02-01 D-1 A

SPACING PATTERN

SU 2491 10 Jan 1996

FIELD DESIGNATION

0787 2013-12-01 RIVERCOURSE FIELD

POOL DESIGNATION

0787 256001	2010-04-01	COLONY A
0787 256003	2001-02-01	COLONY C
0787 256004	2005-01-01	COLONY D
0787 256005	2001-02-01	COLONY E
0787 256006	2001-02-01	COLONY F
0787 256007	2014-07-01	COLONY G
0787 256008	2014-11-01	COLONY H
0787 256009	2001-02-01	COLONY I
0787 256011	2014-03-01	COLONY K
0787 256012	2001-02-01	COLONY L
0787 256013	2001-02-01	COLONY M
0787 256014	2001-03-01	COLONY N
0787 256015	2005-02-01	COLONY O
0787 256017	2012-08-01	COLONY Q
0787 256018	2008-06-01	COLONY R
0787 256019	2014-05-01	COLONY S
0787 256020	2015-02-01	COLONY T
0787 256021	2012-06-01	COLONY U
0787 256022	2013-09-01	COLONY V
0787 256023	2013-11-01	COLONY W
0787 256024	2015-12-01	COLONY X
0787 256025	2015-05-01	COLONY Y
0787 256026	2016-11-01	COLONY Z
0787 276001	2006-05-01	SPARKY A
0787 276004	2001-02-01	SPARKY D
0787 276005	2001-02-01	SPARKY E
0787 276006	2006-08-01	SPARKY F
0787 276007	2009-02-01	SPARKY G
0787 276009	2001-02-01	SPARKY I
0787 276010	2003-08-01	SPARKY J
0787 276011	2007-07-01	SPARKY K

POOL DESIGNATION (cont'd)

0787 276012 2010-01-01	SPARKY L
0787 276013 2012-01-01	SPARKY M
0787 286002 2013-12-01	GENERAL PETROLEUM B
0787 286003 2009-02-01	GENERAL PETROLEUM C
0787 286005 2001-02-01	GENERAL PETROLEUM E
0787 286006 2001-02-01	GENERAL PETROLEUM F
0787 286007 2005-01-01	GENERAL PETROLEUM G
0787 286008 2002-09-01	GENERAL PETROLEUM H
0787 286009 2014-06-01	GENERAL PETROLEUM I
0787 286010 2008-03-01	GENERAL PETROLEUM J
0787 286011 2011-06-01	GENERAL PETROLEUM K
0787 286012 2013-04-01	GENERAL PETROLEUM L
0787 286013 2013-03-01	GENERAL PETROLEUM M
0787 294001 2001-02-01	LLOYDMINSTER A
0787 294002 2001-02-01	LLOYDMINSTER B
0787 294003 2001-02-01	LLOYDMINSTER C
0787 294005 2001-03-01	LLOYDMINSTER E
0787 294006 2002-09-01	LLOYDMINSTER F
0787 294007 2014-06-01	LLOYDMINSTER G
0787 302001 2014-12-01	CUMMINGS A
0787 302002 2010-04-01	CUMMINGS B
0787 302003 2010-09-01	CUMMINGS C
0787 302004 2018-09-01	CUMMINGS D

SPACING PATTERN

SU 2495	23 Jan 1996
SU 2495A	13 Mar 1997
SU 2495B	19 Oct 2007

SUBSURFACE DISPOSAL SCHEMES

App 3115B	1 Nov 2011
Class II	
JRJ Energy Ltd.	

COMMINGLED PRODUCTION

MU 7323	23 Sep 2009
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FIELD DESIGNATION

0789 2009-01-01 RIVIERE FIELD

POOL DESIGNATION

0789 248001 2009-01-01 MANNVILLE A

0789 248002 2011-05-01 MANNVILLE B

0789 336001 2001-02-01 ELLERSLIE A

0789 336002 2001-02-01 ELLERSLIE B

0789 336003 2001-02-01 ELLERSLIE C

0789 336004 2001-02-01 ELLERSLIE D

0789 336005 2001-02-01 ELLERSLIE E

0789 336006 2001-02-01 ELLERSLIE F

0789 336007 2002-05-01 ELLERSLIE G

0789 336008 2002-06-01 ELLERSLIE H

0789 336009 2006-12-01 ELLERSLIE I

0789 336010 2007-10-01 ELLERSLIE J

0789 336011 2007-10-01 ELLERSLIE K

0789 336012 2008-02-01 ELLERSLIE L

0789 336013 2013-07-01 ELLERSLIE M

0789 336014 2013-07-01 ELLERSLIE N

0789 658001 2012-01-01 WABAMUN A

0789 658003 2006-07-01 WABAMUN C

0789 658005 2012-01-01 WABAMUN E

SPACING PATTERN

SU 3064 19 Oct 2001

SU 3064A 28 Feb 2005

SU 3064B 16 Aug 2006

COMMINGLED PRODUCTION

MU 6120 1 Oct 2006

ENHANCED RECOVERY SCHEMES

App 10965C 19 Nov 2014

Waterflood

Wabamun A

Trident Exploration (wx) Corp.

COMPULSORY POOLING

P 118 25 Aug 1994

Gas

09-055-26W4M

Mission Resources Ltdimited

FIELD DESIGNATION

1231 2005-02-01 ROCHE FIELD

POOL DESIGNATION

1231 134001 2010-09-01 BASAL BELLY RIVER A

1231 134002 2007-05-01 BASAL BELLY RIVER B

1231 250001 2010-01-01 UPPER MANNVILLE A

1231 326001 2005-03-01 GETHING A

FIELD DESIGNATION

0788 2008-09-01 ROCHESTER FIELD

POOL DESIGNATION

0788 218001 2010-04-01 VIKING A
0788 218002 2001-02-01 VIKING B
0788 218003 2002-04-01 VIKING C
0788 218004 2002-05-01 VIKING D
0788 218005 2006-12-01 VIKING E
0788 218006 2007-03-01 VIKING F
0788 218007 2010-06-01 VIKING G

0788 250001 2010-04-01 UPPER MANNVILLE A
0788 250002 2001-02-01 UPPER MANNVILLE B
0788 250003 2001-02-01 UPPER MANNVILLE C
0788 250004 2001-02-01 UPPER MANNVILLE D
0788 250005 2001-02-01 UPPER MANNVILLE E
0788 250006 2001-02-01 UPPER MANNVILLE F
0788 250007 2001-02-01 UPPER MANNVILLE G
0788 250008 2001-02-01 UPPER MANNVILLE H
0788 250009 2001-02-01 UPPER MANNVILLE I
0788 250010 2001-02-01 UPPER MANNVILLE J
0788 250011 2001-02-01 UPPER MANNVILLE K
0788 250012 2001-03-01 UPPER MANNVILLE L
0788 250013 2001-03-01 UPPER MANNVILLE M
0788 250014 2001-05-01 UPPER MANNVILLE N
0788 250015 2010-04-01 UPPER MANNVILLE O
0788 250016 2004-11-01 UPPER MANNVILLE P
0788 250017 2006-07-01 UPPER MANNVILLE Q
0788 250018 2009-04-01 UPPER MANNVILLE R
0788 250020 2007-07-01 UPPER MANNVILLE T
0788 250022 2011-07-01 UPPER MANNVILLE V

0788 310001 2001-02-01 LOWER MANNVILLE A
0788 310002 2011-05-01 LOWER MANNVILLE B
0788 310003 2001-02-01 LOWER MANNVILLE C

POOL DESIGNATION (cont'd)

0788 310004	2001-02-01	LOWER MANNVILLE D
0788 310005	2001-02-01	LOWER MANNVILLE E
0788 310006	2001-02-01	LOWER MANNVILLE F
0788 310007	2001-02-01	LOWER MANNVILLE G
0788 310008	2001-02-01	LOWER MANNVILLE H
0788 310009	2001-02-01	LOWER MANNVILLE I
0788 310010	2001-02-01	LOWER MANNVILLE J
0788 310011	2001-02-01	LOWER MANNVILLE K
0788 310012	2001-02-01	LOWER MANNVILLE L
0788 310013	2001-02-01	LOWER MANNVILLE M
0788 310014	2001-02-01	LOWER MANNVILLE N

0788 658001	2007-06-01	WABAMUN A
0788 658002	2001-02-01	WABAMUN B

SPACING PATTERN

SU 2539 8 Feb 1996

COMMINGLED PRODUCTION

MU 6848 23 Apr 2008

FIELD DESIGNATION

0790 2013-04-01 ROCKYFORD FIELD

POOL DESIGNATION

0790 118804 2010-04-01 LOWER EDMONTON D

0790 118807 2013-04-01 LOWER EDMONTON G

0790 164001 2010-04-01 MEDICINE HAT A

0790 218001 2007-02-01 VIKING A

0790 218002 2006-12-01 VIKING B

0790 250001 2012-02-01 UPPER MANNVILLE A

0790 250002 2012-11-01 UPPER MANNVILLE B

0790 250003 2001-02-01 UPPER MANNVILLE C

0790 250005 2001-10-01 UPPER MANNVILLE E

0790 250006 2001-02-01 UPPER MANNVILLE F

0790 250007 2001-02-01 UPPER MANNVILLE G

0790 250008 2007-03-01 UPPER MANNVILLE H

0790 250009 2001-12-01 UPPER MANNVILLE I

0790 250010 2004-08-01 UPPER MANNVILLE J

0790 250011 2006-03-01 UPPER MANNVILLE K

0790 250013 2010-04-01 UPPER MANNVILLE M

0790 250014 2010-04-01 UPPER MANNVILLE N

0790 250015 2010-04-01 UPPER MANNVILLE O

0790 250016 2004-12-01 UPPER MANNVILLE P

0790 250017 2006-11-01 UPPER MANNVILLE Q

0790 250018 2010-04-01 UPPER MANNVILLE R

0790 250020 2011-10-01 UPPER MANNVILLE T

0790 250021 2012-05-01 UPPER MANNVILLE U

0790 250022 2013-03-01 UPPER MANNVILLE V

0790 250023 2015-04-01 UPPER MANNVILLE W

0790 310001 2010-04-01 LOWER MANNVILLE A

0790 310004 2001-02-01 LOWER MANNVILLE D

0790 310005 2001-02-01 LOWER MANNVILLE E

POOL DESIGNATION (cont'd)

0790 310006	2001-02-01	LOWER MANNVILLE F
0790 310007	2001-02-01	LOWER MANNVILLE G
0790 310008	2001-02-01	LOWER MANNVILLE H
0790 310009	2001-02-01	LOWER MANNVILLE I
0790 310010	2002-02-01	LOWER MANNVILLE J
0790 310011	2010-04-01	LOWER MANNVILLE K
0790 310012	2003-06-01	LOWER MANNVILLE L
0790 310013	2015-04-01	LOWER MANNVILLE M
0790 310014	2010-04-01	LOWER MANNVILLE N
0790 310015	2010-04-01	LOWER MANNVILLE O
0790 310016	2004-08-01	LOWER MANNVILLE P
0790 310017	2010-04-01	LOWER MANNVILLE Q
0790 310018	2006-03-01	LOWER MANNVILLE R
0790 310019	2004-12-01	LOWER MANNVILLE S
0790 310020	2006-01-01	LOWER MANNVILLE T
0790 310021	2009-12-01	LOWER MANNVILLE U
0790 310022	2011-10-01	LOWER MANNVILLE V
0790 310023	2014-11-01	LOWER MANNVILLE W
0790 336001	2016-12-01	ELLERSLIE A
0790 642001	2001-02-01	PEKISKO A
0790 850600	2013-04-01	MFP8506 BELLY RIVER
0790 854300	2013-04-01	MFP8543 BSL BELLY RIV
0790 858600	2013-04-01	MFP8586 LWR EDMONTON

SPACING PATTERN

SU 4217	2 Sep 2004
SU 4217A	7 Dec 2004
SU 4217B	15 May 2006

ENHANCED RECOVERY SCHEMES

App 6644E	7 Jul 2015
Waterflood	
Upper Mannville F	
Harvest Operations Corp.	

COMMINGLED PRODUCTION

MU 7884	26 May 2011
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ENHANCED RECOVERY SCHEMES

(cont'd)

App 7012B 13 Feb 2014

Waterflood

Upper Mannville E

EnCana Corporation

CONCURRENT PRODUCTION

MISC 9057 8 Jan 1991

Upper Mannville C

FIELD DESIGNATION

0791 2001-12-01 ROMEO FIELD

POOL DESIGNATION

0791 218001 2001-02-01 VIKING A
0791 218002 2003-09-01 VIKING B
0791 218003 2010-12-01 VIKING C
0791 218004 2004-12-01 VIKING D
0791 218005 2005-06-01 VIKING E
0791 218006 2008-02-01 VIKING F

0791 250001 2003-05-01 UPPER MANNVILLE A
0791 250002 2003-12-01 UPPER MANNVILLE B
0791 250003 2003-12-01 UPPER MANNVILLE C
0791 250004 2005-05-01 UPPER MANNVILLE D
0791 250005 2010-04-01 UPPER MANNVILLE E
0791 250006 2010-02-01 UPPER MANNVILLE F

0791 300002 2006-12-01 GLAUCONITIC B

0791 310001 2004-08-01 LOWER MANNVILLE A

0791 350001 2001-02-01 DETRITAL A
0791 350002 2002-08-01 DETRITAL B
0791 350003 2003-12-01 DETRITAL C
0791 350004 2003-10-01 DETRITAL D
0791 350005 2005-06-01 DETRITAL E
0791 350006 2005-11-01 DETRITAL F
0791 350007 2005-11-01 DETRITAL G
0791 350008 2005-11-01 DETRITAL H
0791 350009 2006-09-01 DETRITAL I
0791 350010 2006-11-01 DETRITAL J
0791 350011 2006-11-01 DETRITAL K
0791 350012 2007-07-01 DETRITAL L
0791 350013 2007-07-01 DETRITAL M
0791 350014 2010-04-01 DETRITAL N

POOL DESIGNATION (cont'd)

0791 350015	2010-04-01	DETRITAL O
0791 350016	2008-10-01	DETRITAL P
0791 350017	2008-10-01	DETRITAL Q
0791 350018	2008-11-01	DETRITAL R
0791 350019	2009-05-01	DETRITAL S
0791 350020	2009-12-01	DETRITAL T
0791 350021	2009-12-01	DETRITAL U
0791 350022	2010-01-01	DETRITAL V
0791 350023	2010-01-01	DETRITAL W

0791 644001	2001-03-01	BANFF A
0791 644002	2005-10-01	BANFF B

COMMINGLED PRODUCTION

MU 4730 20 Oct 2005

FIELD DESIGNATION

0792 2010-03-01 RONALANE FIELD

POOL DESIGNATION

0792 158001 2009-08-01 MILK RIVER A

0792 160001 2009-08-01 COLORADO A

0792 164002 2009-08-01 MEDICINE HAT B

0792 186003 2010-04-01 SECOND WHITE SPECKS C

0792 213001 2006-06-01 BOW ISLAND A

0792 213002 2014-05-01 BOW ISLAND B

0792 310001 2001-02-01 LOWER MANNVILLE A

0792 310005 2010-04-01 LOWER MANNVILLE E

0792 428001 2001-02-01 SAWTOOTH A

0792 428002 2010-04-01 SAWTOOTH B

0792 428003 2001-02-01 SAWTOOTH C

0792 428007 2001-02-01 SAWTOOTH G

0792 428010 2001-02-01 SAWTOOTH J

0792 428011 2010-04-01 SAWTOOTH K

0792 428012 2001-02-01 SAWTOOTH L

0792 428015 2001-02-01 SAWTOOTH O

0792 428016 2001-02-01 SAWTOOTH P

0792 428017 2006-07-01 SAWTOOTH Q

0792 428018 2001-02-01 SAWTOOTH R

0792 428019 2001-02-01 SAWTOOTH S

0792 428020 2001-02-01 SAWTOOTH T

0792 428021 2001-02-01 SAWTOOTH U

0792 428022 2001-10-01 SAWTOOTH V

0792 428023 2001-02-01 SAWTOOTH W

0792 428024 2001-02-01 SAWTOOTH X

0792 428025 2001-02-01 SAWTOOTH Y

POOL DESIGNATION (cont'd)

0792 428026 2001-02-01 SAWTOOTH Z
0792 428027 2001-02-01 SAWTOOTH AA
0792 428028 2001-02-01 SAWTOOTH BB
0792 428031 2001-02-01 SAWTOOTH EE
0792 428032 2001-02-01 SAWTOOTH FF
0792 428033 2001-02-01 SAWTOOTH GG
0792 428034 2001-02-01 SAWTOOTH HH
0792 428035 2001-02-01 SAWTOOTH II
0792 428036 2001-02-01 SAWTOOTH JJ
0792 428037 2001-02-01 SAWTOOTH KK
0792 428038 2001-02-01 SAWTOOTH LL
0792 428039 2001-02-01 SAWTOOTH MM
0792 428040 2001-02-01 SAWTOOTH NN
0792 428041 2001-02-01 SAWTOOTH OO
0792 428042 2001-02-01 SAWTOOTH PP

0792 850500 2008-07-01 MFP8505 2WS

SPACING PATTERN

SU 4074 4 Apr 2003
SU 4074A 27 May 2004
SU 4074B 27 Sep 2004

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

App 9998D 15 Aug 2016
Class II
SanLing Energy Ltd.

SUBSURFACE DISPOSAL SCHEMES

App 9429B 6 Aug 2014
Class II
Petro Viking Managment Corp.

App 9843B 8 Nov 2011
Class II
Taqa North Ltd.

App 9877C 19 Apr 2016
Class II
Canadian Natural Resources Limited

FIELD DESIGNATION

0796 2016-06-01 ROSEVEAR FIELD

POOL DESIGNATION

0796 176002 2017-10-01 CARDIUM B
0796 176003 2010-12-01 CARDIUM C
0796 176006 2010-04-01 CARDIUM F
0796 176007 2010-04-01 CARDIUM G
0796 176008 2008-11-01 CARDIUM H
0796 176009 2009-01-01 CARDIUM I
0796 176010 2012-06-01 CARDIUM J
0796 176011 2011-05-01 CARDIUM K
0796 176012 2017-11-01 CARDIUM L

0796 186001 2010-04-01 SECOND WHITE SPECKS A

0796 218001 2001-02-01 VIKING A
0796 218003 2002-01-01 VIKING C
0796 218006 2011-04-01 VIKING F
0796 218007 2011-04-01 VIKING G
0796 218008 2003-09-01 VIKING H
0796 218009 2010-04-01 VIKING I
0796 218011 2004-10-01 VIKING K
0796 218013 2007-09-01 VIKING M
0796 218014 2008-05-01 VIKING N

0796 250001 2005-05-01 UPPER MANNVILLE A
0796 250002 2007-11-01 UPPER MANNVILLE B
0796 250003 2011-05-01 UPPER MANNVILLE C
0796 250004 2011-08-01 UPPER MANNVILLE D

0796 300001 2001-02-01 GLAUCONITIC A

0796 304001 2010-04-01 BLUESKY A
0796 304003 2013-03-01 BLUESKY C
0796 304004 2006-12-01 BLUESKY D

POOL DESIGNATION (cont'd)

0796 304006 2010-04-01	BLUESKY F
0796 304007 2008-05-01	BLUESKY G
0796 310001 2017-08-01	LOWER MANNVILLE A
0796 326002 2001-02-01	GETHING B
0796 326005 2004-08-01	GETHING E
0796 326006 2004-08-01	GETHING F
0796 326007 2004-12-01	GETHING G
0796 326010 2005-09-01	GETHING J
0796 326011 2011-04-01	GETHING K
0796 326012 2010-04-01	GETHING L
0796 326014 2010-04-01	GETHING N
0796 326016 2010-04-01	GETHING P
0796 326017 2007-09-01	GETHING Q
0796 326018 2010-04-01	GETHING R
0796 326020 2010-03-01	GETHING T
0796 326022 2013-07-01	GETHING V
0796 326023 2013-09-01	GETHING W
0796 336001 2008-07-01	ELLERSLIE A
0796 432006 2010-04-01	ROCK CREEK F
0796 432008 2010-04-01	ROCK CREEK H
0796 432009 2008-09-01	ROCK CREEK I
0796 432010 2013-07-01	ROCK CREEK J
0796 556001 2001-02-01	BELLOY A
0796 556002 2001-02-01	BELLOY B
0796 556003 2001-02-01	BELLOY C
0796 644001 2012-01-01	BANFF A
0796 744001 2011-10-01	BEAVERHILL LAKE A
0796 744002 2010-04-01	BEAVERHILL LAKE B
0796 860100 2011-10-01	MFP8601 ROCK CREEK

SPACING PATTERN

SU 2493 16 Jan 1996
SU 2493A 8 May 2001
SU 2493B 19 Nov 2001
SU 2493C 22 Dec 2003
SU 2493D 10 Sep 2004
SU 2493E 24 Feb 2005
SU 2493F 10 Aug 2005
SU 2493G 15 Dec 2005
SU 2493H 16 Nov 2006
SU 2493I 4 Apr 2007
SU 2493J 21 Sep 2007
SU 2493K 17 Oct 2007

COMMINGLED PRODUCTION

MU 8272 3 Jan 2012

SUBSURFACE DISPOSAL SCHEMES

App 2933B 16 Jan 2012
Class II
Bonavista Energy Corporation

App 10738E 18 Feb 2016
Class III Acid Gas
Bonavista Energy Corporation

FIELD DESIGNATION

1232 2004-01-01 ROSSBEAR FIELD

POOL DESIGNATION

1232 304001 2002-10-01 BLUESKY A

1232 304002 2003-01-01 BLUESKY B

1232 304003 2003-09-01 BLUESKY C

1232 304004 2004-03-01 BLUESKY D

1232 326001 2004-05-01 GETHING A

SPACING PATTERN

SU 2603 22 Feb 1996

SUBSURFACE DISPOSAL SCHEMES

App 9075B 6 Sep 2018

Class II

Prairie Provident Resources Canada Ltd.

FIELD DESIGNATION

0798 2015-06-01 ROWLEY FIELD

POOL DESIGNATION

0798 106002 2002-06-01 EDMONTON B

0798 118801 2013-11-01 LOWER EDMONTON A

0798 134006 2010-04-01 BASAL BELLY RIVER F

0798 218001 2001-02-01 VIKING A
0798 218002 2001-02-01 VIKING B
0798 218003 2010-04-01 VIKING C
0798 218005 2001-02-01 VIKING E
0798 218006 2001-02-01 VIKING F
0798 218007 2001-02-01 VIKING G
0798 218008 2006-10-01 VIKING H
0798 218009 2006-10-01 VIKING I

0798 250001 2004-08-01 UPPER MANNVILLE A
0798 250002 2001-02-01 UPPER MANNVILLE B
0798 250004 2001-02-01 UPPER MANNVILLE D
0798 250005 2010-04-01 UPPER MANNVILLE E
0798 250008 2010-04-01 UPPER MANNVILLE H
0798 250009 2001-02-01 UPPER MANNVILLE I
0798 250011 2001-02-01 UPPER MANNVILLE K
0798 250012 2001-02-01 UPPER MANNVILLE L
0798 250014 2010-04-01 UPPER MANNVILLE N
0798 250015 2001-02-01 UPPER MANNVILLE O
0798 250016 2001-02-01 UPPER MANNVILLE P
0798 250017 2001-02-01 UPPER MANNVILLE Q
0798 250018 2001-02-01 UPPER MANNVILLE R
0798 250019 2007-06-01 UPPER MANNVILLE S
0798 250020 2001-02-01 UPPER MANNVILLE T
0798 250021 2004-09-01 UPPER MANNVILLE U
0798 250022 2001-02-01 UPPER MANNVILLE V

POOL DESIGNATION (cont'd)

0798 250023 2001-02-01	UPPER MANNVILLE W
0798 250024 2001-02-01	UPPER MANNVILLE X
0798 250025 2001-03-01	UPPER MANNVILLE Y
0798 250026 2004-01-01	UPPER MANNVILLE Z
0798 250027 2005-06-01	UPPER MANNVILLE AA
0798 250028 2006-08-01	UPPER MANNVILLE BB
0798 250029 2010-04-01	UPPER MANNVILLE CC
0798 250030 2006-03-01	UPPER MANNVILLE DD
0798 250031 2008-04-01	UPPER MANNVILLE EE
0798 250032 2006-09-01	UPPER MANNVILLE FF
0798 250033 2006-09-01	UPPER MANNVILLE GG
0798 250034 2006-12-01	UPPER MANNVILLE HH
0798 250035 2008-01-01	UPPER MANNVILLE II
0798 250036 2009-02-01	UPPER MANNVILLE JJ
0798 310001 2001-02-01	LOWER MANNVILLE A
0798 310004 2001-02-01	LOWER MANNVILLE D
0798 310005 2001-02-01	LOWER MANNVILLE E
0798 310007 2001-02-01	LOWER MANNVILLE G
0798 310008 2001-02-01	LOWER MANNVILLE H
0798 310010 2001-02-01	LOWER MANNVILLE J
0798 310011 2001-02-01	LOWER MANNVILLE K
0798 310012 2001-02-01	LOWER MANNVILLE L
0798 310013 2001-02-01	LOWER MANNVILLE M
0798 310014 2001-02-01	LOWER MANNVILLE N
0798 310015 2001-02-01	LOWER MANNVILLE O
0798 310016 2001-02-01	LOWER MANNVILLE P
0798 310017 2001-02-01	LOWER MANNVILLE Q
0798 310018 2001-02-01	LOWER MANNVILLE R
0798 310019 2001-02-01	LOWER MANNVILLE S
0798 310020 2001-02-01	LOWER MANNVILLE T
0798 310021 2001-02-01	LOWER MANNVILLE U
0798 310022 2001-02-01	LOWER MANNVILLE V
0798 310023 2001-02-01	LOWER MANNVILLE W
0798 310024 2010-04-01	LOWER MANNVILLE X
0798 310025 2010-04-01	LOWER MANNVILLE Y
0798 310026 2001-02-01	LOWER MANNVILLE Z
0798 310027 2006-01-01	LOWER MANNVILLE AA

POOL DESIGNATION (cont'd)

0798 310028 2001-03-01 LOWER MANNVILLE BB
0798 310029 2001-03-01 LOWER MANNVILLE CC
0798 310030 2005-12-01 LOWER MANNVILLE DD
0798 310031 2006-12-01 LOWER MANNVILLE EE
0798 310032 2006-12-01 LOWER MANNVILLE FF
0798 310033 2007-03-01 LOWER MANNVILLE GG
0798 310034 2013-06-01 LOWER MANNVILLE HH
0798 310035 2013-08-01 LOWER MANNVILLE II

0798 642001 2011-12-01 PEKISKO A
0798 642002 2001-02-01 PEKISKO B
0798 642003 2001-02-01 PEKISKO C
0798 642004 2001-02-01 PEKISKO D
0798 642005 2001-02-01 PEKISKO E
0798 642006 2010-04-01 PEKISKO F
0798 642007 2010-01-01 PEKISKO G
0798 642008 2011-10-01 PEKISKO H
0798 642009 2013-07-01 PEKISKO I

0798 644001 2001-02-01 BANFF A
0798 644003 2001-02-01 BANFF C
0798 644004 2014-03-01 BANFF D

0798 850600 2015-06-01 MFP8506 BELLY RIVER

0798 853500 2011-02-01 MFP8535 BSL BELLY RIV

0798 854000 2011-01-01 MFP8540 BSL BELLY RIV

0798 858900 2010-12-01 MFP8589 EDMONTON

SPACING PATTERN

SU 2490 10 Jan 1996
SU 2490A 17 Jan 2001
SU 2490B 27 Sep 2004
SU 2490C 11 Apr 2005
SU 2490D 11 Aug 2005
SU 2490E 29 Nov 2005
SU 2490F 4 Jan 2006
SU 2490G 21 Feb 2006
SU 2490H 7 Mar 2006
SU 2490I 10 Apr 2006

COMMINGLED PRODUCTION

MU 8212 1 Nov 2011

ENHANCED RECOVERY SCHEMES

App 8001L 31 Jul 2015
Waterflood
Upper Mannville E
Clearbrook Resources Inc.

SUBSURFACE DISPOSAL SCHEMES

App 6824B 23 Feb 2017
Class II
Trident Exploration (Alberta) Corp.

COMPULSORY POOLING

P 115 1 Mar 1994
Gas
24-033-20W4M
Samedan Oil of Canada, Inc.

FIELD DESIGNATION

0799 2014-08-01 ROXANA FIELD

POOL DESIGNATION

0799 192001 2007-02-01 DUNVEGAN A

0799 228001 2010-04-01 PEACE RIVER A
0799 228002 2007-05-01 PEACE RIVER B
0799 228003 2004-09-01 PEACE RIVER C

0799 264001 2002-12-01 SPIRIT RIVER A
0799 264002 2004-08-01 SPIRIT RIVER B

0799 266001 2006-03-01 NOTIKEWIN A
0799 266002 2010-04-01 NOTIKEWIN B
0799 266003 2002-12-01 NOTIKEWIN C

0799 304002 2004-07-01 BLUESKY B
0799 304003 2010-04-01 BLUESKY C
0799 304004 2006-09-01 BLUESKY D
0799 304005 2014-08-01 BLUESKY E

0799 326001 2007-07-01 GETHING A
0799 326002 2009-11-01 GETHING B
0799 326003 2009-02-01 GETHING C

0799 524001 2001-10-01 MONTNEY A
0799 524002 2010-06-01 MONTNEY B
0799 524003 2014-09-01 MONTNEY C
0799 524004 2014-08-01 MONTNEY D
0799 524005 2014-08-01 MONTNEY E
0799 524006 2014-08-01 MONTNEY F
0799 524007 2014-08-01 MONTNEY G
0799 524008 2014-10-01 MONTNEY H
0799 524009 2014-08-01 MONTNEY I
0799 524010 2014-08-01 MONTNEY J

POOL DESIGNATION (cont'd)

0799 524011	2014-09-01	MONTNEY K
0799 556001	2010-04-01	BELLOY A
0799 744001	2014-08-01	BEAVERHILL LAKE A
0799 744003	2013-07-01	BEAVERHILL LAKE C
0799 744004	2011-02-01	BEAVERHILL LAKE D
0799 744005	2014-09-01	BEAVERHILL LAKE E
0799 744006	2014-10-01	BEAVERHILL LAKE F
0799 744007	2014-08-01	BEAVERHILL LAKE G
0799 744008	2014-10-01	BEAVERHILL LAKE H
0799 744009	2014-10-01	BEAVERHILL LAKE I
0799 744010	2014-08-01	BEAVERHILL LAKE J
0799 744011	2014-10-01	BEAVERHILL LAKE K
0799 744012	2014-08-01	BEAVERHILL LAKE L
0799 744013	2014-08-01	BEAVERHILL LAKE M
0799 744014	2014-08-01	BEAVERHILL LAKE N
0799 758001	2014-08-01	SLAVE POINT A
0799 758002	2014-08-01	SLAVE POINT B
0799 758003	2015-01-01	SLAVE POINT C
0799 765501	2011-11-01	GILWOOD A
0799 765502	2012-08-01	GILWOOD B
0799 765503	2014-08-01	GILWOOD C
0799 765504	2014-08-01	GILWOOD D
0799 797502	2011-12-01	GRANITE WASH B
0799 797503	2014-08-01	GRANITE WASH C

SPACING PATTERN

SU 4347 10 Jul 2007

ENHANCED RECOVERY SCHEMES

App 12343B 8 Mar 2017
Waterflood
Montney H
Long Run Exploration Ltd.

FIELD DESIGNATION

0800 2006-01-01 ROYAL FIELD

POOL DESIGNATION

0800 126001 2001-02-01 BELLY RIVER A
0800 126002 2002-11-01 BELLY RIVER B
0800 126003 2004-08-01 BELLY RIVER C
0800 126004 2005-11-01 BELLY RIVER D
0800 126005 2006-05-01 BELLY RIVER E
0800 126006 2006-06-01 BELLY RIVER F
0800 126008 2007-01-01 BELLY RIVER H
0800 126009 2007-07-01 BELLY RIVER I
0800 126010 2011-05-01 BELLY RIVER J
0800 126011 2011-05-01 BELLY RIVER K

0800 134001 2006-01-01 BASAL BELLY RIVER A
0800 134002 2006-04-01 BASAL BELLY RIVER B
0800 134003 2006-11-01 BASAL BELLY RIVER C
0800 134004 2007-07-01 BASAL BELLY RIVER D
0800 134005 2010-12-01 BASAL BELLY RIVER E

0800 216004 2003-09-01 UPPER VIKING D

0800 218008 2006-04-01 VIKING H
0800 218009 2007-11-01 VIKING I

0800 221001 2001-02-01 MIDDLE VIKING A
0800 221002 2001-02-01 MIDDLE VIKING B
0800 221003 2001-02-01 MIDDLE VIKING C
0800 221004 2001-02-01 MIDDLE VIKING D
0800 221005 2001-02-01 MIDDLE VIKING E

0800 224001 2001-02-01 LOWER VIKING A
0800 224002 2001-02-01 LOWER VIKING B
0800 224003 2001-02-01 LOWER VIKING C

POOL DESIGNATION (cont'd)

0800 248001 2015-02-01	MANNVILLE A
0800 250001 2002-07-01	UPPER MANNVILLE A
0800 250002 2001-02-01	UPPER MANNVILLE B
0800 250004 2009-02-01	UPPER MANNVILLE D
0800 250005 2006-04-01	UPPER MANNVILLE E
0800 250006 2007-09-01	UPPER MANNVILLE F
0800 250007 2008-02-01	UPPER MANNVILLE G
0800 250008 2008-02-01	UPPER MANNVILLE H
0800 250009 2008-03-01	UPPER MANNVILLE I
0800 250010 2008-08-01	UPPER MANNVILLE J
0800 256001 2001-02-01	COLONY A
0800 256002 2001-02-01	COLONY B
0800 256003 2001-02-01	COLONY C
0800 256004 2001-02-01	COLONY D
0800 256005 2010-04-01	COLONY E
0800 256006 2005-05-01	COLONY F
0800 256007 2009-08-01	COLONY G
0800 256008 2010-09-01	COLONY H
0800 262001 2004-04-01	GRAND RAPIDS A
0800 276003 2001-02-01	SPARKY C
0800 276004 2001-03-01	SPARKY D
0800 276005 2003-02-01	SPARKY E
0800 276006 2002-03-01	SPARKY F
0800 276007 2002-11-01	SPARKY G
0800 276008 2005-07-01	SPARKY H
0800 276009 2006-04-01	SPARKY I
0800 276010 2006-08-01	SPARKY J
0800 300001 2001-02-01	GLAUCONITIC A
0800 300002 2001-02-01	GLAUCONITIC B
0800 300003 2001-02-01	GLAUCONITIC C
0800 300004 2001-02-01	GLAUCONITIC D
0800 300005 2001-02-01	GLAUCONITIC E
0800 300006 2001-02-01	GLAUCONITIC F

POOL DESIGNATION (cont'd)

0800 300007 2001-02-01	GLAUCONITIC G
0800 300008 2001-02-01	GLAUCONITIC H
0800 300009 2001-03-01	GLAUCONITIC I
0800 300010 2006-01-01	GLAUCONITIC J
0800 334001 2001-02-01	BASAL QUARTZ A
0800 334003 2001-02-01	BASAL QUARTZ C
0800 334004 2001-02-01	BASAL QUARTZ D
0800 334005 2001-02-01	BASAL QUARTZ E
0800 334006 2001-02-01	BASAL QUARTZ F
0800 334007 2001-02-01	BASAL QUARTZ G
0800 334008 2001-02-01	BASAL QUARTZ H
0800 334009 2001-02-01	BASAL QUARTZ I
0800 334010 2010-04-01	BASAL QUARTZ J
0800 334011 2003-10-01	BASAL QUARTZ K
0800 334012 2006-01-01	BASAL QUARTZ L
0800 334013 2006-01-01	BASAL QUARTZ M
0800 334014 2006-10-01	BASAL QUARTZ N
0800 334015 2007-08-01	BASAL QUARTZ O
0800 334016 2010-05-01	BASAL QUARTZ P
0800 350001 2001-02-01	DETRITAL A
0800 696001 2006-04-01	NISKU A
0800 852300 2008-07-01	MFP8523 UPPER VIKING

COMMINGLED PRODUCTION

MU 7053 2 Oct 2008

FIELD DESIGNATION

0801 2018-06-01 ROYCE FIELD

POOL DESIGNATION

0801 508001 2003-05-01 CHARLIE LAKE A
0801 508002 2018-06-01 CHARLIE LAKE B
0801 508003 2018-01-01 CHARLIE LAKE C

0801 606001 2001-02-01 KISKATINAW A
0801 606002 2017-12-01 KISKATINAW B

0801 658001 2001-02-01 WABAMUN A
0801 658002 2001-03-01 WABAMUN B
0801 658003 2010-04-01 WABAMUN C

0801 797501 2010-04-01 GRANITE WASH A
0801 797502 2008-06-01 GRANITE WASH B

SPACING PATTERN

SU 2595 22 Feb 1996

COMMINGLED PRODUCTION

MU 6078 29 Sep 2006

ENHANCED RECOVERY SCHEMES

App 12655 11 Aug 2017
Waterflood
Charlie Lake B
Harvest Operations Corp.

FIELD DESIGNATION

0777 2014-06-01 RUMSEY FIELD

POOL DESIGNATION

0777 118801 2011-12-01 LOWER EDMONTON A

0777 118802 2013-04-01 LOWER EDMONTON B

0777 218001 2010-04-01 VIKING A

0777 300001 2010-04-01 GLAUCONITIC A

0777 300006 2001-02-01 GLAUCONITIC F

0777 300007 2001-02-01 GLAUCONITIC G

0777 300009 2010-04-01 GLAUCONITIC I

0777 300010 2010-04-01 GLAUCONITIC J

0777 300011 2001-02-01 GLAUCONITIC K

0777 300012 2014-06-01 GLAUCONITIC L

0777 300013 2001-02-01 GLAUCONITIC M

0777 300014 2001-02-01 GLAUCONITIC N

0777 300015 2001-02-01 GLAUCONITIC O

0777 300016 2001-02-01 GLAUCONITIC P

0777 300017 2005-10-01 GLAUCONITIC Q

0777 300018 2013-07-01 GLAUCONITIC R

0777 310002 2001-02-01 LOWER MANNVILLE B

0777 310004 2001-02-01 LOWER MANNVILLE D

0777 310005 2001-02-01 LOWER MANNVILLE E

0777 310006 2011-03-01 LOWER MANNVILLE F

0777 310007 2001-02-01 LOWER MANNVILLE G

0777 310008 2001-02-01 LOWER MANNVILLE H

0777 310009 2001-02-01 LOWER MANNVILLE I

0777 310010 2006-09-01 LOWER MANNVILLE J

0777 310011 2007-03-01 LOWER MANNVILLE K

0777 310012 2014-06-01 LOWER MANNVILLE L

0777 310013 2014-06-01 LOWER MANNVILLE M

0777 336001 2014-06-01 ELLERSLIE A

POOL DESIGNATION (cont'd)

0777 336002 2014-06-01 ELLERSLIE B
0777 850600 2014-06-01 MFP8506 BELLY RIVER
0777 853500 2014-06-01 MFP8535 BSL BELLY RIV

SPACING PATTERN

SU 4302 29 Nov 2005
SU 4302A 7 Mar 2006
SU 4302B 24 Apr 2006
SU 4302C 25 May 2006

COMMINGLED PRODUCTION

MU 8098 6 Oct 2011

FIELD DESIGNATION

0802 2014-06-01 RYCROFT FIELD

POOL DESIGNATION

0802 230001 2003-11-01 PADDY A

0802 304001 2001-02-01 BLUESKY A
0802 304002 2010-08-01 BLUESKY B
0802 304003 2007-08-01 BLUESKY C
0802 304004 2007-10-01 BLUESKY D
0802 304005 2006-12-01 BLUESKY E

0802 326001 2007-04-01 GETHING A
0802 326002 2001-02-01 GETHING B
0802 326003 2003-04-01 GETHING C
0802 326004 2001-02-01 GETHING D
0802 326005 2011-08-01 GETHING E
0802 326006 2001-03-01 GETHING F
0802 326007 2016-11-01 GETHING G
0802 326008 2002-02-01 GETHING H
0802 326009 2004-02-01 GETHING I
0802 326010 2013-02-01 GETHING J
0802 326011 2005-05-01 GETHING K
0802 326012 2005-05-01 GETHING L
0802 326013 2005-10-01 GETHING M
0802 326014 2010-04-01 GETHING N
0802 326015 2007-09-01 GETHING O
0802 326016 2007-04-01 GETHING P
0802 326017 2007-07-01 GETHING Q
0802 326018 2007-07-01 GETHING R
0802 326019 2013-09-01 GETHING S
0802 326021 2007-12-01 GETHING U
0802 326022 2008-12-01 GETHING V
0802 326023 2009-12-01 GETHING W
0802 326024 2009-11-01 GETHING X
0802 326025 2010-09-01 GETHING Y

POOL DESIGNATION (cont'd)

0802 348001 2003-04-01	CADOMIN A
0802 348002 2001-02-01	CADOMIN B
0802 348003 2001-03-01	CADOMIN C
0802 348004 2007-12-01	CADOMIN D
0802 348005 2009-11-01	CADOMIN E
0802 348006 2009-12-01	CADOMIN F
0802 348007 2012-12-01	CADOMIN G
0802 508001 2010-04-01	CHARLIE LAKE A
0802 508003 2010-04-01	CHARLIE LAKE C
0802 508010 2001-02-01	CHARLIE LAKE J
0802 508011 2001-02-01	CHARLIE LAKE K
0802 508013 2001-02-01	CHARLIE LAKE M
0802 508014 2001-02-01	CHARLIE LAKE N
0802 508015 2001-02-01	CHARLIE LAKE O
0802 508016 2002-08-01	CHARLIE LAKE P
0802 508017 2002-08-01	CHARLIE LAKE Q
0802 508018 2002-12-01	CHARLIE LAKE R
0802 508019 2004-09-01	CHARLIE LAKE S
0802 508020 2005-02-01	CHARLIE LAKE T
0802 508021 2006-04-01	CHARLIE LAKE U
0802 508022 2006-08-01	CHARLIE LAKE V
0802 508023 2013-10-01	CHARLIE LAKE W
0802 516002 2010-04-01	HALFWAY B
0802 516003 2017-10-01	HALFWAY C
0802 516004 2001-02-01	HALFWAY D
0802 516005 2001-02-01	HALFWAY E
0802 516006 2001-02-01	HALFWAY F
0802 516007 2001-02-01	HALFWAY G
0802 516008 2001-02-01	HALFWAY H
0802 516009 2001-02-01	HALFWAY I
0802 516010 2001-02-01	HALFWAY J
0802 516011 2007-03-01	HALFWAY K
0802 520002 2010-04-01	DOIG B
0802 524001 2006-05-01	MONTNEY A

POOL DESIGNATION (cont'd)

0802 524002 2013-10-01	MONTNEY B
0802 524003 2014-06-01	MONTNEY C
0802 524004 2009-06-01	MONTNEY D
0802 524005 2012-11-01	MONTNEY E
0802 556001 2003-10-01	BELLOY A
0802 606001 2004-07-01	KISKATINAW A
0802 606002 2007-07-01	KISKATINAW B
0802 606003 2009-07-01	KISKATINAW C
0802 612001 2002-05-01	DEBOLT A
0802 612002 2007-01-01	DEBOLT B
0802 612003 2007-01-01	DEBOLT C
0802 612004 2013-07-01	DEBOLT D

SPACING PATTERN

SU 2308	4 Aug 1995
SU 2308A	5 Mar 1998
SU 2308B	12 Mar 1998
SU 2308C	19 Oct 1999
SU 2308D	26 Oct 2004
SU 2308E	23 Jul 2005

COMMINGLED PRODUCTION

MU 4019	11 Jan 2005
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ENHANCED RECOVERY SCHEMES

App 5335K	19 Jun 2017
Waterflood	
Halfway C	
Rising Star Resources Ltd.	

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

App 6211K	19 Jun 2017
Waterflood	
Charlie Lake C	
Rising Star Resources Ltd.	

App 8726E	19 Jun 2017
Waterflood	
Charlie Lake O	
Rising Star Resources Ltd.	

App 10524G	1 Feb 2018
Waterflood	
Charlie Lake A	
Rising Star Resources Ltd.	

SUBSURFACE DISPOSAL SCHEMES

App 8983	6 Dec 2001
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SUBSURFACE DISPOSAL SCHEMES

(cont'd)

App 8983A 11 Apr 2005

App 8983B 28 Jun 2006
Class III Acid Gas
Birchcliff Energy Ltd.

App 9464C 3 Feb 2012
Class Ib
Gibson Energy ULC

App 10477C 30 Aug 2017
Class Ib
Tervita Corporation

App 11599C 17 Sep 2012
Class II
Canadian Natural Resources Limited

App 12334C 2 Oct 2017
Class II & Ib
Secure Energy Services Inc.