

FIELD DESIGNATION

0090 2002-05-01 BADGER FIELD

POOL DESIGNATION

0090 126005 2001-09-01 BELLY RIVER E
0090 126011 2010-04-01 BELLY RIVER K

0090 142001 2008-11-01 PAKOWKI A

0090 213001 2001-02-01 BOW ISLAND A
0090 213002 2001-02-01 BOW ISLAND B
0090 213003 2005-04-01 BOW ISLAND C
0090 213004 2004-11-01 BOW ISLAND D
0090 213005 2009-05-01 BOW ISLAND E
0090 213006 2010-01-01 BOW ISLAND F
0090 213007 2010-01-01 BOW ISLAND G
0090 213008 2010-06-01 BOW ISLAND H

0090 250001 2001-02-01 UPPER MANNVILLE A
0090 250002 2006-07-01 UPPER MANNVILLE B
0090 250004 2013-03-01 UPPER MANNVILLE D
0090 250006 2001-02-01 UPPER MANNVILLE F
0090 250007 2001-02-01 UPPER MANNVILLE G
0090 250008 2010-08-01 UPPER MANNVILLE H
0090 250010 2001-09-01 UPPER MANNVILLE J
0090 250011 2007-10-01 UPPER MANNVILLE K
0090 250014 2010-08-01 UPPER MANNVILLE N
0090 250015 2001-02-01 UPPER MANNVILLE O
0090 250016 2001-02-01 UPPER MANNVILLE P
0090 250017 2001-02-01 UPPER MANNVILLE Q
0090 250019 2004-07-01 UPPER MANNVILLE S
0090 250020 2001-02-01 UPPER MANNVILLE T
0090 250022 2002-05-01 UPPER MANNVILLE V
0090 250023 2002-05-01 UPPER MANNVILLE W
0090 250024 2003-02-01 UPPER MANNVILLE X
0090 250025 2004-10-01 UPPER MANNVILLE Y

POOL DESIGNATION (cont'd)

0090 250026 2013-03-01	UPPER MANNVILLE Z
0090 250027 2006-05-01	UPPER MANNVILLE AA
0090 250028 2006-05-01	UPPER MANNVILLE BB
0090 250030 2007-05-01	UPPER MANNVILLE DD
0090 250031 2007-06-01	UPPER MANNVILLE EE
0090 250032 2009-09-01	UPPER MANNVILLE FF
0090 250033 2009-09-01	UPPER MANNVILLE GG
0090 250034 2010-04-01	UPPER MANNVILLE HH
0090 250035 2011-03-01	UPPER MANNVILLE II
0090 250036 2012-02-01	UPPER MANNVILLE JJ
0090 310001 2001-02-01	LOWER MANNVILLE A
0090 310002 2001-02-01	LOWER MANNVILLE B
0090 310003 2001-02-01	LOWER MANNVILLE C
0090 310004 2004-10-01	LOWER MANNVILLE D
0090 310005 2001-03-01	LOWER MANNVILLE E
0090 310006 2002-08-01	LOWER MANNVILLE F
0090 310007 2003-07-01	LOWER MANNVILLE G
0090 310008 2004-09-01	LOWER MANNVILLE H
0090 310009 2006-07-01	LOWER MANNVILLE I
0090 310010 2007-01-01	LOWER MANNVILLE J
0090 310011 2007-05-01	LOWER MANNVILLE K
0090 310012 2010-01-01	LOWER MANNVILLE L
0090 854300 2011-04-01	MFP8543 BSL BELLY RIV

SPACING PATTERN

SU 2208	10 Jul 1995
SU 2208A	22 Nov 1995
SU 2208B	5 Dec 1995
SU 2208C	24 Apr 1997
SU 2208D	15 Nov 2000
SU 2208E	27 Sep 2004

COMMINGLED PRODUCTION

MU 7564	5 Oct 2010
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ENHANCED RECOVERY SCHEMES

App 6443F	30 Aug 2016
Waterflood	
Upper Mannville B	
Little Rock Resources Ltd.	
App 10006G	30 Jun 2016
Waterflood	
Upper Mannville B	
SanLing Energy Ltd.	

FIELD DESIGNATION

0092 2015-05-01 BANTRY FIELD

POOL DESIGNATION

0092 126001 2005-01-01 BELLY RIVER A
0092 126032 2010-04-01 BELLY RIVER FF
0092 126038 2009-07-01 BELLY RIVER LL
0092 126040 2011-11-01 BELLY RIVER NN
0092 126041 2012-02-01 BELLY RIVER OO

0092 134035 2009-06-01 BASAL BELLY RIVER II
0092 134039 2011-01-01 BASAL BELLY RIVER MM
0092 134043 2011-11-01 BASAL BELLY RIVER QQ
0092 134044 2011-11-01 BASAL BELLY RIVER RR
0092 134045 2011-12-01 BASAL BELLY RIVER SS
0092 134046 2011-12-01 BASAL BELLY RIVER TT
0092 134047 2011-12-01 BASAL BELLY RIVER UU
0092 134048 2011-12-01 BASAL BELLY RIVER VV
0092 134049 2014-03-01 BASAL BELLY RIVER WW
0092 134050 2014-03-01 BASAL BELLY RIVER XX
0092 134051 2014-03-01 BASAL BELLY RIVER YY
0092 134052 2014-03-01 BASAL BELLY RIVER ZZ

0092 142002 2006-10-01 PAKOWKI B
0092 142003 2010-03-01 PAKOWKI C
0092 142004 2010-06-01 PAKOWKI D

0092 160001 2003-03-01 COLORADO A
0092 160006 2010-12-01 COLORADO F
0092 160031 2008-11-01 COLORADO EE
0092 160036 2011-01-01 COLORADO JJ

0092 162018 2008-05-01 FIRST WHITE SPECKS R
0092 162020 2014-03-01 FIRST WHITE SPECKS T
0092 162022 2011-01-01 FIRST WHITE SPECKS V
0092 162023 2011-01-01 FIRST WHITE SPECKS W

POOL DESIGNATION (cont'd)

0092 162024 2011-01-01	FIRST WHITE SPECKS X
0092 162025 2011-01-01	FIRST WHITE SPECKS Y
0092 162026 2011-01-01	FIRST WHITE SPECKS Z
0092 162027 2011-01-01	FIRST WHITE SPECKS AA
0092 162028 2011-01-01	FIRST WHITE SPECKS BB
0092 162029 2011-02-01	FIRST WHITE SPECKS CC
0092 162030 2011-02-01	FIRST WHITE SPECKS DD
0092 162031 2011-11-01	FIRST WHITE SPECKS EE
0092 162032 2011-11-01	FIRST WHITE SPECKS FF
0092 162033 2011-11-01	FIRST WHITE SPECKS GG
0092 162034 2011-11-01	FIRST WHITE SPECKS HH
0092 162035 2011-11-01	FIRST WHITE SPECKS II
0092 162036 2011-11-01	FIRST WHITE SPECKS JJ
0092 162037 2011-11-01	FIRST WHITE SPECKS KK
0092 162038 2012-01-01	FIRST WHITE SPECKS LL
0092 162039 2014-03-01	FIRST WHITE SPECKS MM
0092 162040 2014-03-01	FIRST WHITE SPECKS NN
0092 162041 2014-03-01	FIRST WHITE SPECKS OO
0092 162042 2014-03-01	FIRST WHITE SPECKS PP
0092 162043 2014-03-01	FIRST WHITE SPECKS QQ
0092 202001 2012-05-01	FISH SCALE A
0092 202002 2010-04-01	FISH SCALE B
0092 202003 2010-04-01	FISH SCALE C
0092 202005 2005-01-01	FISH SCALE E
0092 202006 2005-11-01	FISH SCALE F
0092 202007 2010-04-01	FISH SCALE G
0092 202008 2010-04-01	FISH SCALE H
0092 202009 2010-04-01	FISH SCALE I
0092 202010 2011-01-01	FISH SCALE J
0092 202011 2009-04-01	FISH SCALE K
0092 202013 2010-04-01	FISH SCALE M
0092 202014 2010-06-01	FISH SCALE N
0092 202015 2014-03-01	FISH SCALE O
0092 202016 2011-11-01	FISH SCALE P
0092 202017 2011-01-01	FISH SCALE Q
0092 202018 2011-01-01	FISH SCALE R
0092 202019 2011-02-01	FISH SCALE S

POOL DESIGNATION (cont'd)

0092 202020 2011-11-01	FISH SCALE T
0092 202021 2011-11-01	FISH SCALE U
0092 202022 2011-11-01	FISH SCALE V
0092 202023 2011-11-01	FISH SCALE W
0092 202024 2011-11-01	FISH SCALE X
0092 202025 2011-11-01	FISH SCALE Y
0092 202026 2011-11-01	FISH SCALE Z
0092 202027 2014-03-01	FISH SCALE AA
0092 202028 2014-03-01	FISH SCALE BB
0092 202029 2014-03-01	FISH SCALE CC
0092 202030 2014-03-01	FISH SCALE DD
0092 202031 2014-03-01	FISH SCALE EE
0092 211001 2004-01-01	LOWER COLORADO A
0092 211002 2010-03-01	LOWER COLORADO B
0092 213001 2003-09-01	BOW ISLAND A
0092 213002 2002-05-01	BOW ISLAND B
0092 213003 2002-05-01	BOW ISLAND C
0092 213004 2002-09-01	BOW ISLAND D
0092 213005 2003-02-01	BOW ISLAND E
0092 213006 2003-06-01	BOW ISLAND F
0092 213008 2002-08-01	BOW ISLAND H
0092 213009 2002-10-01	BOW ISLAND I
0092 213010 2002-10-01	BOW ISLAND J
0092 213011 2005-03-01	BOW ISLAND K
0092 213012 2009-01-01	BOW ISLAND L
0092 213013 2004-01-01	BOW ISLAND M
0092 213014 2003-05-01	BOW ISLAND N
0092 213015 2003-05-01	BOW ISLAND O
0092 213016 2003-11-01	BOW ISLAND P
0092 213017 2007-07-01	BOW ISLAND Q
0092 213018 2003-05-01	BOW ISLAND R
0092 213019 2003-06-01	BOW ISLAND S
0092 213020 2003-07-01	BOW ISLAND T
0092 213021 2003-07-01	BOW ISLAND U
0092 213022 2003-07-01	BOW ISLAND V
0092 213023 2010-04-01	BOW ISLAND W

POOL DESIGNATION (cont'd)

0092 213024 2004-01-01	BOW ISLAND X
0092 213026 2004-01-01	BOW ISLAND Z
0092 213027 2004-08-01	BOW ISLAND AA
0092 213028 2004-08-01	BOW ISLAND BB
0092 213029 2010-04-01	BOW ISLAND CC
0092 213030 2010-04-01	BOW ISLAND DD
0092 213031 2010-01-01	BOW ISLAND EE
0092 213034 2005-12-01	BOW ISLAND HH
0092 213035 2006-03-01	BOW ISLAND II
0092 213036 2006-05-01	BOW ISLAND JJ
0092 213037 2006-05-01	BOW ISLAND KK
0092 213038 2007-01-01	BOW ISLAND LL
0092 213041 2011-12-01	BOW ISLAND OO
0092 213042 2008-11-01	BOW ISLAND PP
0092 213043 2009-05-01	BOW ISLAND QQ
0092 213044 2009-06-01	BOW ISLAND RR
0092 213045 2010-02-01	BOW ISLAND SS
0092 213046 2010-03-01	BOW ISLAND TT
0092 213047 2010-03-01	BOW ISLAND UU
0092 213048 2010-03-01	BOW ISLAND VV
0092 213049 2013-11-01	BOW ISLAND WW
0092 213050 2015-05-01	BOW ISLAND XX

0092 218001 2001-02-01	VIKING A
0092 218002 2005-01-01	VIKING B
0092 218003 2001-02-01	VIKING C
0092 218004 2002-07-01	VIKING D
0092 218005 2001-02-01	VIKING E
0092 218006 2001-02-01	VIKING F
0092 218008 2011-03-01	VIKING H
0092 218009 2001-02-01	VIKING I
0092 218010 2001-02-01	VIKING J
0092 218012 2002-10-01	VIKING L
0092 218013 2001-02-01	VIKING M
0092 218014 2001-02-01	VIKING N
0092 218015 2002-06-01	VIKING O
0092 218016 2001-02-01	VIKING P
0092 218017 2015-09-01	VIKING Q

POOL DESIGNATION (cont'd)

0092 218018 2015-09-01	VIKING R
0092 218020 2010-04-01	VIKING T
0092 218022 2001-02-01	VIKING V
0092 218023 2001-02-01	VIKING W
0092 218025 2006-06-01	VIKING Y
0092 218026 2001-02-01	VIKING Z
0092 218030 2001-02-01	VIKING DD
0092 218031 2001-02-01	VIKING EE
0092 218037 2001-02-01	VIKING KK
0092 218038 2001-02-01	VIKING LL
0092 218039 2001-02-01	VIKING MM
0092 218040 2001-02-01	VIKING NN
0092 218041 2002-08-01	VIKING OO
0092 218042 2001-02-01	VIKING PP
0092 218045 2001-02-01	VIKING SS
0092 218046 2001-02-01	VIKING TT
0092 218047 2001-02-01	VIKING UU
0092 218048 2001-02-01	VIKING VV
0092 218049 2001-02-01	VIKING WW
0092 218050 2001-02-01	VIKING XX
0092 218051 2001-02-01	VIKING YY
0092 218052 2001-02-01	VIKING ZZ
0092 220402 2001-02-01	VIKING BBB
0092 220403 2001-02-01	VIKING CCC
0092 220405 2001-02-01	VIKING EEE
0092 220406 2001-12-01	VIKING FFF
0092 220407 2017-09-01	VIKING GGG
0092 220408 2001-05-01	VIKING HHH
0092 220409 2010-04-01	VIKING III
0092 220411 2001-02-01	VIKING KKK
0092 220412 2001-02-01	VIKING LLL
0092 220414 2001-02-01	VIKING NNN
0092 220415 2001-02-01	VIKING OOO
0092 220416 2003-02-01	VIKING PPP
0092 220418 2010-04-01	VIKING RRR
0092 220419 2002-04-01	VIKING SSS
0092 220420 2003-02-01	VIKING TTT
0092 220421 2003-05-01	VIKING UUU

POOL DESIGNATION (cont'd)

0092 220422 2003-11-01	VIKING VVV
0092 220423 2004-04-01	VIKING WWW
0092 220424 2011-02-01	VIKING XXX
0092 220425 2010-04-01	VIKING YYY
0092 220426 2007-03-01	VIKING ZZZ
0092 220427 2007-12-01	VIKING A2A
0092 220428 2011-12-01	VIKING B2B
0092 220429 2011-12-01	VIKING C2C
0092 220430 2014-03-01	VIKING D2D
0092 242003 2001-02-01	BASAL COLORADO C
0092 242004 2001-02-01	BASAL COLORADO D
0092 242006 2012-08-01	BASAL COLORADO F
0092 242009 2001-02-01	BASAL COLORADO I
0092 242010 2001-02-01	BASAL COLORADO J
0092 242011 2004-08-01	BASAL COLORADO K
0092 242016 2001-02-01	BASAL COLORADO P
0092 242017 2003-11-01	BASAL COLORADO Q
0092 242018 2001-02-01	BASAL COLORADO R
0092 242019 2001-02-01	BASAL COLORADO S
0092 242021 2001-02-01	BASAL COLORADO U
0092 242022 2001-02-01	BASAL COLORADO V
0092 242023 2001-02-01	BASAL COLORADO W
0092 242024 2002-04-01	BASAL COLORADO X
0092 242025 2001-02-01	BASAL COLORADO Y
0092 242028 2001-02-01	BASAL COLORADO BB
0092 242029 2010-04-01	BASAL COLORADO CC
0092 242030 2001-02-01	BASAL COLORADO DD
0092 242031 2001-02-01	BASAL COLORADO EE
0092 242032 2003-10-01	BASAL COLORADO FF
0092 242033 2001-08-01	BASAL COLORADO GG
0092 242034 2002-05-01	BASAL COLORADO HH
0092 242035 2010-04-01	BASAL COLORADO II
0092 242037 2002-09-01	BASAL COLORADO KK
0092 242038 2004-01-01	BASAL COLORADO LL
0092 242039 2005-02-01	BASAL COLORADO MM
0092 242040 2005-06-01	BASAL COLORADO NN
0092 242041 2006-01-01	BASAL COLORADO OO

POOL DESIGNATION (cont'd)

0092 242042 2006-06-01	BASAL COLORADO PP
0092 242043 2007-03-01	BASAL COLORADO QQ
0092 242044 2007-03-01	BASAL COLORADO RR
0092 248001 2016-05-01	MANNVILLE A
0092 248002 2010-04-01	MANNVILLE B
0092 248004 2015-08-01	MANNVILLE D
0092 248005 2001-02-01	MANNVILLE E
0092 248006 2001-02-01	MANNVILLE F
0092 248007 2001-02-01	MANNVILLE G
0092 248008 2010-04-01	MANNVILLE H
0092 248010 2010-04-01	MANNVILLE J
0092 248013 2006-07-01	MANNVILLE M
0092 248015 2001-02-01	MANNVILLE O
0092 248016 2010-04-01	MANNVILLE P
0092 248017 2009-07-01	MANNVILLE Q
0092 248018 2017-08-01	MANNVILLE R
0092 248019 2001-02-01	MANNVILLE S
0092 248020 2001-02-01	MANNVILLE T
0092 248021 2001-02-01	MANNVILLE U
0092 248022 2001-02-01	MANNVILLE V
0092 248023 2001-02-01	MANNVILLE W
0092 248025 2001-02-01	MANNVILLE Y
0092 248026 2001-02-01	MANNVILLE Z
0092 248027 2001-02-01	MANNVILLE AA
0092 248028 2007-04-01	MANNVILLE BB
0092 248030 2010-04-01	MANNVILLE DD
0092 248031 2005-12-01	MANNVILLE EE
0092 248032 2010-04-01	MANNVILLE FF
0092 248033 2001-02-01	MANNVILLE GG
0092 248034 2010-04-01	MANNVILLE HH
0092 248035 2001-02-01	MANNVILLE II
0092 248037 2001-02-01	MANNVILLE KK
0092 248038 2001-02-01	MANNVILLE LL
0092 248039 2001-02-01	MANNVILLE MM
0092 248042 2016-05-01	MANNVILLE PP
0092 248043 2001-02-01	MANNVILLE QQ
0092 248044 2010-05-01	MANNVILLE RR

POOL DESIGNATION (cont'd)

0092 248045 2001-02-01	MANNVILLE SS
0092 248046 2010-04-01	MANNVILLE TT
0092 248047 2010-04-01	MANNVILLE UU
0092 248048 2001-02-01	MANNVILLE VV
0092 248049 2007-10-01	MANNVILLE WW
0092 248050 2004-11-01	MANNVILLE XX
0092 248051 2001-02-01	MANNVILLE YY
0092 248052 2001-02-01	MANNVILLE ZZ
0092 248101 2010-04-01	MANNVILLE AAA
0092 248103 2001-02-01	MANNVILLE CCC
0092 248104 2001-02-01	MANNVILLE DDD
0092 248105 2001-02-01	MANNVILLE EEE
0092 248106 2001-02-01	MANNVILLE FFF
0092 248108 2001-02-01	MANNVILLE HHH
0092 248109 2011-11-01	MANNVILLE III
0092 248110 2010-12-01	MANNVILLE JJJ
0092 248111 2001-02-01	MANNVILLE KKK
0092 248112 2010-04-01	MANNVILLE LLL
0092 248113 2001-02-01	MANNVILLE MMM
0092 248114 2001-02-01	MANNVILLE NNN
0092 248115 2017-09-01	MANNVILLE OOO
0092 248116 2001-02-01	MANNVILLE PPP
0092 248117 2001-02-01	MANNVILLE QQQ
0092 248119 2001-02-01	MANNVILLE SSS
0092 248120 2001-02-01	MANNVILLE TTT
0092 248121 2001-02-01	MANNVILLE UUU
0092 248122 2015-05-01	MANNVILLE VVV
0092 248123 2001-03-01	MANNVILLE WWW
0092 248124 2010-04-01	MANNVILLE XXX
0092 248126 2001-08-01	MANNVILLE ZZZ
0092 248127 2001-08-01	MANNVILLE A2A
0092 248128 2002-01-01	MANNVILLE B2B
0092 248129 2010-04-01	MANNVILLE C2C
0092 248130 2010-07-01	MANNVILLE D2D
0092 248131 2010-04-01	MANNVILLE E2E
0092 248132 2002-04-01	MANNVILLE F2F
0092 248135 2010-04-01	MANNVILLE I2I
0092 248136 2002-06-01	MANNVILLE J2J

POOL DESIGNATION (cont'd)

0092 248137 2003-02-01	MANNVILLE K2K
0092 248138 2010-04-01	MANNVILLE L2L
0092 248139 2002-08-01	MANNVILLE M2M
0092 248140 2002-11-01	MANNVILLE N2N
0092 248143 2002-09-01	MANNVILLE Q2Q
0092 248144 2002-09-01	MANNVILLE R2R
0092 248147 2017-02-01	MANNVILLE U2U
0092 248148 2003-07-01	MANNVILLE V2V
0092 248149 2010-04-01	MANNVILLE W2W
0092 248150 2010-04-01	MANNVILLE X2X
0092 248151 2003-09-01	MANNVILLE Y2Y
0092 248152 2010-04-01	MANNVILLE Z2Z
0092 248201 2009-10-01	MANNVILLE A3A
0092 248202 2003-05-01	MANNVILLE B3B
0092 248203 2003-05-01	MANNVILLE C3C
0092 248204 2003-06-01	MANNVILLE D3D
0092 248205 2003-06-01	MANNVILLE E3E
0092 248206 2003-06-01	MANNVILLE F3F
0092 248207 2003-07-01	MANNVILLE G3G
0092 248208 2004-01-01	MANNVILLE H3H
0092 248210 2003-11-01	MANNVILLE J3J
0092 248211 2006-12-01	MANNVILLE K3K
0092 248212 2004-01-01	MANNVILLE L3L
0092 248213 2004-08-01	MANNVILLE M3M
0092 248215 2010-04-01	MANNVILLE O3O
0092 248216 2004-07-01	MANNVILLE P3P
0092 248217 2004-07-01	MANNVILLE Q3Q
0092 248218 2004-10-01	MANNVILLE R3R
0092 248219 2004-12-01	MANNVILLE S3S
0092 248220 2004-11-01	MANNVILLE T3T
0092 248221 2010-04-01	MANNVILLE U3U
0092 248222 2005-02-01	MANNVILLE V3V
0092 248224 2005-05-01	MANNVILLE X3X
0092 248225 2010-04-01	MANNVILLE Y3Y
0092 248226 2005-07-01	MANNVILLE Z3Z
0092 248227 2005-10-01	MANNVILLE A4A
0092 248228 2005-10-01	MANNVILLE B4B
0092 248229 2012-03-01	MANNVILLE C4C

POOL DESIGNATION (cont'd)

0092 248230 2005-10-01	MANNVILLE D4D
0092 248231 2010-04-01	MANNVILLE E4E
0092 248232 2005-10-01	MANNVILLE F4F
0092 248233 2010-04-01	MANNVILLE G4G
0092 248234 2005-10-01	MANNVILLE H4H
0092 248235 2005-10-01	MANNVILLE I4I
0092 248236 2005-10-01	MANNVILLE J4J
0092 248238 2006-01-01	MANNVILLE L4L
0092 248239 2006-01-01	MANNVILLE M4M
0092 248240 2016-07-01	MANNVILLE N4N
0092 248241 2006-04-01	MANNVILLE O4O
0092 248242 2006-05-01	MANNVILLE P4P
0092 248243 2006-05-01	MANNVILLE Q4Q
0092 248244 2006-05-01	MANNVILLE R4R
0092 248245 2006-05-01	MANNVILLE S4S
0092 248246 2007-03-01	MANNVILLE T4T
0092 248249 2006-06-01	MANNVILLE W4W
0092 248250 2014-01-01	MANNVILLE X4X
0092 248251 2006-06-01	MANNVILLE Y4Y
0092 248252 2010-04-01	MANNVILLE Z4Z
0092 248301 2010-04-01	MANNVILLE A5A
0092 248302 2012-09-01	MANNVILLE B5B
0092 248303 2006-11-01	MANNVILLE C5C
0092 248305 2010-04-01	MANNVILLE E5E
0092 248306 2010-04-01	MANNVILLE F5F
0092 248307 2007-03-01	MANNVILLE G5G
0092 248308 2010-04-01	MANNVILLE H5H
0092 248309 2010-04-01	MANNVILLE I5I
0092 248310 2007-07-01	MANNVILLE J5J
0092 248311 2007-07-01	MANNVILLE K5K
0092 248312 2007-07-01	MANNVILLE L5L
0092 248313 2010-04-01	MANNVILLE M5M
0092 248314 2007-08-01	MANNVILLE N5N
0092 248316 2007-12-01	MANNVILLE P5P
0092 248317 2016-09-01	MANNVILLE Q5Q
0092 248318 2008-03-01	MANNVILLE R5R
0092 248319 2010-04-01	MANNVILLE S5S
0092 248321 2011-12-01	MANNVILLE U5U

POOL DESIGNATION (cont'd)

0092 248322 2008-07-01	MANNVILLE V5V
0092 248324 2008-10-01	MANNVILLE X5X
0092 248325 2014-04-01	MANNVILLE Y5Y
0092 248326 2012-03-01	MANNVILLE Z5Z
0092 248327 2010-05-01	MANNVILLE A6A
0092 248328 2010-10-01	MANNVILLE B6B
0092 248329 2009-01-01	MANNVILLE C6C
0092 248330 2009-05-01	MANNVILLE D6D
0092 248331 2009-05-01	MANNVILLE E6E
0092 248332 2009-05-01	MANNVILLE F6F
0092 248333 2009-05-01	MANNVILLE G6G
0092 248335 2009-06-01	MANNVILLE I6I
0092 248336 2010-04-01	MANNVILLE J6J
0092 248338 2009-07-01	MANNVILLE L6L
0092 248339 2009-07-01	MANNVILLE M6M
0092 248340 2016-03-01	MANNVILLE N6N
0092 248341 2009-09-01	MANNVILLE O6O
0092 248342 2009-10-01	MANNVILLE P6P
0092 248343 2009-10-01	MANNVILLE Q6Q
0092 248345 2009-11-01	MANNVILLE S6S
0092 248346 2009-11-01	MANNVILLE T6T
0092 248347 2009-11-01	MANNVILLE U6U
0092 248348 2009-12-01	MANNVILLE V6V
0092 248349 2009-12-01	MANNVILLE W6W
0092 248350 2009-12-01	MANNVILLE X6X
0092 248351 2009-12-01	MANNVILLE Y6Y
0092 248352 2010-01-01	MANNVILLE Z6Z
0092 248403 2010-03-01	MANNVILLE C7C
0092 248404 2010-03-01	MANNVILLE D7D
0092 248405 2010-03-01	MANNVILLE E7E
0092 248406 2010-04-01	MANNVILLE F7F
0092 248407 2010-03-01	MANNVILLE G7G
0092 248408 2010-03-01	MANNVILLE H7H
0092 248409 2010-03-01	MANNVILLE I7I
0092 248410 2010-03-01	MANNVILLE J7J
0092 248411 2010-03-01	MANNVILLE K7K
0092 248412 2010-04-01	MANNVILLE L7L
0092 248413 2010-04-01	MANNVILLE M7M

POOL DESIGNATION (cont'd)

0092 248414 2010-04-01	MANNVILLE N7N
0092 248415 2010-05-01	MANNVILLE O7O
0092 248416 2010-11-01	MANNVILLE P7P
0092 248417 2011-03-01	MANNVILLE Q7Q
0092 248418 2011-04-01	MANNVILLE R7R
0092 248419 2011-04-01	MANNVILLE S7S
0092 248420 2014-02-01	MANNVILLE T7T
0092 248421 2011-05-01	MANNVILLE U7U
0092 248422 2011-05-01	MANNVILLE V7V
0092 248423 2011-06-01	MANNVILLE W7W
0092 248424 2011-08-01	MANNVILLE X7X
0092 248425 2011-08-01	MANNVILLE Y7Y
0092 248426 2011-08-01	MANNVILLE Z7Z
0092 248427 2011-08-01	MANNVILLE A8A
0092 248428 2011-08-01	MANNVILLE B8B
0092 248529 2011-10-01	MANNVILLE C10C
0092 248531 2011-11-01	MANNVILLE E10E
0092 248532 2011-11-01	MANNVILLE F10F
0092 248533 2011-11-01	MANNVILLE G10G
0092 248534 2011-12-01	MANNVILLE H10H
0092 248535 2011-12-01	MANNVILLE I10I
0092 248536 2014-09-01	MANNVILLE J10J
0092 248538 2016-03-01	MANNVILLE L10L
0092 248539 2012-04-01	MANNVILLE M10M
0092 248540 2012-04-01	MANNVILLE N10N
0092 248541 2012-08-01	MANNVILLE O10O

POOL DESIGNATION (cont'd)

0092 248542 2013-03-01	MANNVILLE P10P
0092 248543 2013-07-01	MANNVILLE Q10Q
0092 248544 2013-07-01	MANNVILLE R10R
0092 248545 2015-08-01	MANNVILLE S10S
0092 248546 2014-03-01	MANNVILLE T10T
0092 248547 2016-11-01	MANNVILLE U10U
0092 248548 2017-02-01	MANNVILLE V10V
0092 248549 2015-09-01	MANNVILLE W10W
0092 248550 2015-12-01	MANNVILLE X10X
0092 248551 2015-05-01	MANNVILLE Y10Y
0092 248552 2015-05-01	MANNVILLE Z10Z
0092 248601 2015-05-01	MANNVILLE A11A
0092 248602 2015-05-01	MANNVILLE B11B
0092 248603 2016-03-01	MANNVILLE C11C
0092 248604 2017-11-01	MANNVILLE D11D
0092 248605 2017-06-01	MANNVILLE E11E
0092 248606 2017-09-01	MANNVILLE F11F
0092 248607 2017-10-01	MANNVILLE G11G
0092 332001 2011-07-01	SUNBURST A
0092 332002 2001-02-01	SUNBURST B

POOL DESIGNATION (cont'd)

0092 332003 2001-02-01	SUNBURST C
0092 332004 2010-04-01	SUNBURST D
0092 332005 2001-02-01	SUNBURST E
0092 332006 2001-02-01	SUNBURST F
0092 332007 2011-06-01	SUNBURST G
0092 332009 2001-02-01	SUNBURST I
0092 332010 2001-02-01	SUNBURST J
0092 332011 2001-07-01	SUNBURST K
0092 332012 2001-02-01	SUNBURST L
0092 332013 2001-02-01	SUNBURST M
0092 332015 2001-02-01	SUNBURST O
0092 332016 2001-02-01	SUNBURST P
0092 332017 2002-08-01	SUNBURST Q
0092 332018 2003-06-01	SUNBURST R
0092 332019 2004-02-01	SUNBURST S
0092 332020 2004-03-01	SUNBURST T
0092 332021 2004-11-01	SUNBURST U
0092 332023 2005-05-01	SUNBURST W
0092 332024 2006-05-01	SUNBURST X
0092 332025 2007-03-01	SUNBURST Y
0092 332026 2010-05-01	SUNBURST Z
0092 332027 2013-05-01	SUNBURST AA
0092 332028 2013-05-01	SUNBURST BB
0092 332701 2001-02-01	SUNBURST-PEKISKO A
0092 350001 2012-11-01	DETRITAL A
0092 350003 2001-02-01	DETRITAL C
0092 350004 2001-02-01	DETRITAL D
0092 350005 2007-12-01	DETRITAL E
0092 350006 2008-05-01	DETRITAL F
0092 350007 2010-04-01	DETRITAL G
0092 350008 2010-04-01	DETRITAL H
0092 350009 2013-05-01	DETRITAL I
0092 642001 2010-11-01	PEKISKO A
0092 642003 2001-02-01	PEKISKO C
0092 642007 2001-02-01	PEKISKO G

POOL DESIGNATION (cont'd)

0092 642009 2010-04-01	PEKISKO I
0092 642010 2001-02-01	PEKISKO J
0092 642011 2001-02-01	PEKISKO K
0092 642012 2007-04-01	PEKISKO L
0092 642016 2003-03-01	PEKISKO P
0092 642017 2004-01-01	PEKISKO Q
0092 642018 2004-04-01	PEKISKO R
0092 642019 2013-03-01	PEKISKO S
0092 642022 2011-04-01	PEKISKO V
0092 642027 2008-05-01	PEKISKO AA
0092 642029 2008-09-01	PEKISKO CC
0092 642030 2016-09-01	PEKISKO DD
0092 642033 2013-02-01	PEKISKO GG
0092 642034 2012-01-01	PEKISKO HH
0092 642036 2010-05-01	PEKISKO JJ
0092 642037 2011-07-01	PEKISKO KK
0092 642038 2012-04-01	PEKISKO LL
0092 642039 2012-02-01	PEKISKO MM
0092 642040 2012-03-01	PEKISKO NN
0092 642041 2013-02-01	PEKISKO OO
0092 642042 2012-12-01	PEKISKO PP
0092 694001 2002-06-01	ARCS A
0092 850100 2015-05-01	MFP8501 MILK RIVER
0092 850200 2015-05-01	MFP8502 MED HAT
0092 850500 2015-05-01	MFP8505 2WS
0092 850600 2012-06-01	MFP8506 BELLY RIVER
0092 851300 2015-05-01	MFP8513 BOW ISLAND
0092 854300 2015-05-01	MFP8543 BSL BELLY RIV
0092 854400 2015-05-01	MFP8544 1WS

POOL DESIGNATION (cont'd)

0092 854700 2012-12-01 MFP8547 BSL BELLY RIV
 0092 855000 2015-04-01 MFP8550 BELLY RIVER
 0092 855300 2012-06-01 MFP8553 COLORADO
 0092 859300 2013-12-01 MFP8593 BSL BELLY RIV

SPACING PATTERN

SU 4278 4 Feb 2005
 SU 4278A 10 Feb 2005
 SU 4278B 12 Mar 2005
 SU 4278C 7 May 2005
 SU 4278D 27 Jul 2005
 SU 4278E 26 Oct 2005
 SU 4278F 17 Mar 2006
 SU 4278G 19 Dec 2006
 SU 4278H 24 May 2007
 SU 4278I 18 Oct 2007

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

App 8167J 22 Aug 2016
 Waterflood
 Mannville G4G
 Cardinal Energy Ltd.

 App 10089B 17 Oct 2016
 Waterflood
 Mannville F
 Canadian Natural Resources Limited

COMMINGLED PRODUCTION

MU 8735 2 Jun 2015

App 10974C 10 Jun 2015
 Waterflood
 Sunburst - Pekisko A
 Cardinal Energy Ltd.

ENHANCED RECOVERY SCHEMES

App 6452M 10 Jun 2015
 Waterflood
 Mannville A
 Cardinal Energy Ltd.

App 11750B 2 Apr 2015
 Waterflood
 Pekisko HH
 Crew Energy Inc.

App 6624J 16 Mar 2016
 Waterflood
 Pekisko L
 Blackspur Oil Corp.

App 11753B 9 Aug 2016
 Waterflood
 Pekisko V
 Canadian Natural Resources Limited

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

App 11963E 22 Aug 2016
Waterflood
Pekisko DD
Crew Energy Inc.

App 12046B 10 Apr 2015
Waterflood
Pekisko GG
Imaginea Energy Corp.

App 12508B 26 Jan 2017
Waterflood
Mannville V10V
Cardinal Energy Ltd.

App 12590A 1 Nov 2017
Waterflood
Mannville U10U
Cardinal Energy Ltd.

SUBSURFACE DISPOSAL SCHEMES

App 9176J 26 Sep 2017
Class II
Canadian Natural Resources Limited

App 9494C 13 Nov 2013
Class II
Cardinal Energy Ltd.

App 9632 24 Oct 2003
Class Ib
Newalta Corporation

App 10476D 13 Apr 2012
Class Ib
Tervita Corporation

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

App 10816B 13 Apr 2012
Class Ib
Tervita Corporation

App 11075H 29 Apr 2015
Class II
Imaginea Energy Corp.

App 11117E 30 Dec 2013
Class II
Cardinal Energy Ltd.

App 11200 14 May 2008

App 11200A 16 Jun 2008
Class III Acid Gas
AltaGas Ltd.

App 12265A 4 Nov 2015
Class III Acid Gas
Long Run Exploration Ltd.

App 12525B 21 Jul 2017
Class II
Blackspur Oil Corp.

COMPULSORY POOLING

P 244A 8 May 2012
Gas
24-017-13W4M
Penn West Petroleum Ltd.

App 12420A 24 Jan 2017
Class Ia

FIELD DESIGNATION

0093 2008-07-01 BAPTISTE FIELD

POOL DESIGNATION

0093 218001 2001-08-01 VIKING A
0093 218002 2001-02-01 VIKING B
0093 218003 2001-09-01 VIKING C
0093 218004 2002-06-01 VIKING D

0093 248001 2001-02-01 MANNVILLE A
0093 248007 2011-11-01 MANNVILLE G
0093 248033 2001-02-01 MANNVILLE GG
0093 248036 2001-02-01 MANNVILLE JJ
0093 248037 2001-02-01 MANNVILLE KK
0093 248039 2001-02-01 MANNVILLE MM
0093 248040 2001-02-01 MANNVILLE NN
0093 248041 2001-02-01 MANNVILLE OO
0093 248043 2010-04-01 MANNVILLE QQ
0093 248044 2004-06-01 MANNVILLE RR
0093 248045 2004-11-01 MANNVILLE SS
0093 248047 2005-05-01 MANNVILLE UU
0093 248048 2009-02-01 MANNVILLE VV
0093 248049 2010-04-01 MANNVILLE WW
0093 248050 2011-08-01 MANNVILLE XX
0093 248051 2011-08-01 MANNVILLE YY
0093 248052 2011-08-01 MANNVILLE ZZ
0093 248101 2011-08-01 MANNVILLE AAA
0093 248102 2011-08-01 MANNVILLE BBB
0093 248103 2011-08-01 MANNVILLE CCC
0093 248104 2011-12-01 MANNVILLE DDD
0093 248105 2011-12-01 MANNVILLE EEE
0093 248106 2012-07-01 MANNVILLE FFF
0093 248107 2014-06-01 MANNVILLE GGG

0093 658002 2001-02-01 WABAMUN B
0093 658003 2001-02-01 WABAMUN C

POOL DESIGNATION (cont'd)

0093 658004	2001-02-01	WABAMUN D
0093 658005	2001-02-01	WABAMUN E
0093 658006	2001-02-01	WABAMUN F
0093 658007	2001-02-01	WABAMUN G
0093 658008	2001-02-01	WABAMUN H
0093 658009	2001-02-01	WABAMUN I
0093 658010	2010-04-01	WABAMUN J
0093 658011	2015-02-01	WABAMUN K
0093 658012	2001-02-01	WABAMUN L
0093 658013	2001-02-01	WABAMUN M
0093 658014	2006-04-01	WABAMUN N
0093 658015	2011-09-01	WABAMUN O
0093 658016	2001-02-01	WABAMUN P
0093 658017	2001-02-01	WABAMUN Q
0093 658018	2010-04-01	WABAMUN R

SPACING PATTERN

SU 2559 7 Feb 1996

COMMINGLED PRODUCTION

MU 7219 21 Aug 2009

SUBSURFACE DISPOSAL SCHEMES

App 7801C 25 Oct 2012
Class II
Husky Oil Operations Limited

COMPULSORY POOLING

JBS Food Canada ULC

FIELD DESIGNATION

1003 2009-11-01 BARNEY FIELD

POOL DESIGNATION

1003 306001 2010-04-01 WABISKAW A
1003 306002 2001-02-01 WABISKAW B
1003 306003 2008-08-01 WABISKAW C

1003 328001 2003-10-01 MCMURRAY A

1003 696001 2010-04-01 NISKU A
1003 696005 2001-02-01 NISKU E
1003 696006 2007-10-01 NISKU F
1003 696007 2004-05-01 NISKU G
1003 696008 2004-09-01 NISKU H

FIELD DESIGNATION

0094 2013-07-01 BARONS FIELD

POOL DESIGNATION

0094 160000 2012-05-01 COLORADO

0094 204001 2010-04-01 BARONS A

0094 204003 2013-07-01 BARONS C

0094 204004 2006-10-01 BARONS D

0094 204006 2013-12-01 BARONS F

0094 213001 2001-02-01 BOW ISLAND A

0094 213002 2007-11-01 BOW ISLAND B

0094 213003 2008-11-01 BOW ISLAND C

0094 649001 2013-09-01 LWR BANFF-EXSHAW-BV A

SPACING PATTERN

SU 2214 10 Jul 1995

FIELD DESIGNATION

0102 2006-10-01 BARRHEAD FIELD

POOL DESIGNATION

0102 126007 2001-02-01 BELLY RIVER G
0102 126008 2010-04-01 BELLY RIVER H
0102 126009 2001-11-01 BELLY RIVER I
0102 126010 2010-04-01 BELLY RIVER J
0102 126013 2004-05-01 BELLY RIVER M
0102 126014 2004-05-01 BELLY RIVER N
0102 126015 2004-05-01 BELLY RIVER O
0102 126017 2006-10-01 BELLY RIVER Q
0102 126018 2009-03-01 BELLY RIVER R

0102 134001 2009-10-01 BASAL BELLY RIVER A
0102 134002 2012-05-01 BASAL BELLY RIVER B
0102 134003 2005-06-01 BASAL BELLY RIVER C
0102 134004 2005-06-01 BASAL BELLY RIVER D
0102 134005 2005-06-01 BASAL BELLY RIVER E
0102 134006 2009-07-01 BASAL BELLY RIVER F

0102 250001 2010-04-01 UPPER MANNVILLE A
0102 250002 2010-04-01 UPPER MANNVILLE B

0102 266001 2002-02-01 NOTIKEWIN A

0102 300002 2001-02-01 GLAUCONITIC B
0102 300003 2001-02-01 GLAUCONITIC C

0102 336001 2001-02-01 ELLERSLIE A
0102 336002 2009-02-01 ELLERSLIE B
0102 336003 2009-08-01 ELLERSLIE C

0102 350001 2011-10-01 DETRITAL A

0102 444001 2004-07-01 NORDEGG A

POOL DESIGNATION (cont'd)

0102 644001	2001-02-01	BANFF A
0102 644002	2001-02-01	BANFF B
0102 644003	2001-02-01	BANFF C
0102 644004	2001-02-01	BANFF D
0102 644005	2001-02-01	BANFF E
0102 644006	2001-03-01	BANFF F
0102 644007	2002-05-01	BANFF G
0102 644008	2002-12-01	BANFF H
0102 644009	2007-03-01	BANFF I
0102 644010	2007-08-01	BANFF J

SPACING PATTERN

SU 4361	27 Mar 2007
SU 4361A	27 Sep 2007
SU 4361B	19 Oct 2007

MISCELLANEOUS ORDERS

MISC 6230 3 May 1962
Oil production allowable
Blue Ridge No. 5-14
Thunder Lake No 9-9

COMMINGLED PRODUCTION

MU 2559	28 Mar 2002
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SUBSURFACE DISPOSAL SCHEMES

App 8598C 30 Oct 2017
Class II
West Lake Energy Corp.

FIELD DESIGNATION

0095 2002-04-01 BARTMAN FIELD

POOL DESIGNATION

0095 218001 2010-04-01 VIKING A
0095 218002 2001-02-01 VIKING B
0095 218003 2001-10-01 VIKING C

0095 250001 2001-02-01 UPPER MANNVILLE A
0095 250002 2001-02-01 UPPER MANNVILLE B
0095 250003 2002-03-01 UPPER MANNVILLE C
0095 250004 2006-06-01 UPPER MANNVILLE D
0095 250005 2006-06-01 UPPER MANNVILLE E
0095 250006 2009-05-01 UPPER MANNVILLE F
0095 250007 2009-05-01 UPPER MANNVILLE G

0095 644001 2008-01-01 BANFF A

SPACING PATTERN

SU 4218 7 Oct 2004

COMMINGLED PRODUCTION

MU 262 14 Nov 1979

FIELD DESIGNATION

0096 2011-05-01 BASHAW FIELD

POOL DESIGNATION

0096 106011 2004-12-01 EDMONTON K
0096 106018 2010-04-01 EDMONTON R

0096 118803 2012-12-01 LOWER EDMONTON C
0096 118804 2010-11-01 LOWER EDMONTON D
0096 118809 2017-04-01 LOWER EDMONTON I
0096 118810 2010-04-01 LOWER EDMONTON J
0096 118811 2008-07-01 LOWER EDMONTON K
0096 118812 2009-01-01 LOWER EDMONTON L
0096 118814 2009-08-01 LOWER EDMONTON N
0096 118815 2009-09-01 LOWER EDMONTON O
0096 118816 2009-12-01 LOWER EDMONTON P
0096 118818 2010-12-01 LOWER EDMONTON R
0096 118819 2011-04-01 LOWER EDMONTON S
0096 118820 2011-05-01 LOWER EDMONTON T
0096 118821 2012-02-01 LOWER EDMONTON U
0096 118822 2013-04-01 LOWER EDMONTON V
0096 118823 2013-04-01 LOWER EDMONTON W
0096 118824 2013-04-01 LOWER EDMONTON X
0096 118825 2014-01-01 LOWER EDMONTON Y

0096 124003 2001-03-01 BEARPAW C
0096 124006 2001-07-01 BEARPAW F
0096 124011 2014-11-01 BEARPAW K

0096 126301 2008-03-01 BELLY RIVER AAA
0096 126333 2007-03-01 BELLY RIVER G2G
0096 126403 2009-01-01 BELLY RIVER C3C

0096 134001 2011-07-01 BASAL BELLY RIVER A
0096 134002 2005-05-01 BASAL BELLY RIVER B
0096 134003 2013-12-01 BASAL BELLY RIVER C

POOL DESIGNATION (cont'd)

0096 134005 2011-03-01 BASAL BELLY RIVER E
0096 134006 2009-12-01 BASAL BELLY RIVER F
0096 134010 2005-05-01 BASAL BELLY RIVER J
0096 134022 2005-05-01 BASAL BELLY RIVER V
0096 134023 2011-08-01 BASAL BELLY RIVER W
0096 134024 2005-09-01 BASAL BELLY RIVER X
0096 134030 2010-04-01 BASAL BELLY RIVER DD
0096 134031 2017-12-01 BASAL BELLY RIVER EE
0096 134033 2009-09-01 BASAL BELLY RIVER GG
0096 134034 2010-12-01 BASAL BELLY RIVER HH
0096 134035 2011-04-01 BASAL BELLY RIVER II
0096 134036 2011-04-01 BASAL BELLY RIVER JJ
0096 134037 2011-05-01 BASAL BELLY RIVER KK
0096 134038 2014-11-01 BASAL BELLY RIVER LL

0096 164001 2002-05-01 MEDICINE HAT A
0096 164003 2011-09-01 MEDICINE HAT C
0096 164004 2011-09-01 MEDICINE HAT D
0096 164005 2011-09-01 MEDICINE HAT E
0096 164007 2008-03-01 MEDICINE HAT G
0096 164009 2013-01-01 MEDICINE HAT I
0096 164011 2013-04-01 MEDICINE HAT K
0096 164012 2010-04-01 MEDICINE HAT L
0096 164014 2010-12-01 MEDICINE HAT N

0096 218001 2001-02-01 VIKING A
0096 218002 2010-04-01 VIKING B
0096 218003 2001-02-01 VIKING C
0096 218004 2010-04-01 VIKING D
0096 218005 2011-06-01 VIKING E

0096 250001 2010-04-01 UPPER MANNVILLE A
0096 250002 2008-11-01 UPPER MANNVILLE B
0096 250003 2008-12-01 UPPER MANNVILLE C
0096 250004 2012-02-01 UPPER MANNVILLE D
0096 250005 2008-09-01 UPPER MANNVILLE E
0096 250006 2009-01-01 UPPER MANNVILLE F
0096 250007 2009-01-01 UPPER MANNVILLE G

POOL DESIGNATION (cont'd)

0096 250008 2009-03-01 UPPER MANNVILLE H
0096 250009 2010-11-01 UPPER MANNVILLE I
0096 250010 2010-12-01 UPPER MANNVILLE J
0096 250011 2011-05-01 UPPER MANNVILLE K
0096 250012 2011-05-01 UPPER MANNVILLE L
0096 250014 2013-10-01 UPPER MANNVILLE N

0096 300001 2001-02-01 GLAUCONITIC A
0096 300002 2010-04-01 GLAUCONITIC B
0096 300003 2007-03-01 GLAUCONITIC C
0096 300005 2008-05-01 GLAUCONITIC E
0096 300006 2008-10-01 GLAUCONITIC F
0096 300007 2008-11-01 GLAUCONITIC G
0096 300008 2014-05-01 GLAUCONITIC H
0096 300010 2014-11-01 GLAUCONITIC J
0096 300011 2010-07-01 GLAUCONITIC K
0096 300012 2010-12-01 GLAUCONITIC L
0096 300013 2010-12-01 GLAUCONITIC M
0096 300014 2011-05-01 GLAUCONITIC N
0096 300015 2011-10-01 GLAUCONITIC O
0096 300016 2012-04-01 GLAUCONITIC P
0096 300017 2012-07-01 GLAUCONITIC Q
0096 300018 2013-05-01 GLAUCONITIC R
0096 300019 2014-12-01 GLAUCONITIC S

0096 320001 2010-04-01 BASAL MANNVILLE A
0096 320002 2001-02-01 BASAL MANNVILLE B
0096 320003 2002-10-01 BASAL MANNVILLE C
0096 320004 2001-02-01 BASAL MANNVILLE D
0096 320005 2001-02-01 BASAL MANNVILLE E
0096 320006 2010-04-01 BASAL MANNVILLE F
0096 320009 2001-02-01 BASAL MANNVILLE I
0096 320010 2001-02-01 BASAL MANNVILLE J
0096 320011 2001-02-01 BASAL MANNVILLE K
0096 320013 2001-02-01 BASAL MANNVILLE M
0096 320014 2001-02-01 BASAL MANNVILLE N
0096 320015 2001-02-01 BASAL MANNVILLE O
0096 320016 2001-02-01 BASAL MANNVILLE P

POOL DESIGNATION (cont'd)

0096 320017	2001-02-01	BASAL MANNVILLE Q
0096 320018	2001-02-01	BASAL MANNVILLE R
0096 320019	2001-02-01	BASAL MANNVILLE S
0096 320020	2001-02-01	BASAL MANNVILLE T
0096 320021	2001-02-01	BASAL MANNVILLE U
0096 320023	2001-02-01	BASAL MANNVILLE W
0096 320024	2001-02-01	BASAL MANNVILLE X
0096 320025	2001-02-01	BASAL MANNVILLE Y
0096 320026	2001-02-01	BASAL MANNVILLE Z
0096 320028	2010-04-01	BASAL MANNVILLE BB
0096 320029	2001-02-01	BASAL MANNVILLE CC
0096 320030	2001-02-01	BASAL MANNVILLE DD
0096 320031	2001-02-01	BASAL MANNVILLE EE
0096 320032	2001-02-01	BASAL MANNVILLE FF
0096 320033	2001-02-01	BASAL MANNVILLE GG
0096 320034	2001-02-01	BASAL MANNVILLE HH
0096 320035	2001-02-01	BASAL MANNVILLE II
0096 320036	2001-02-01	BASAL MANNVILLE JJ
0096 320037	2001-02-01	BASAL MANNVILLE KK
0096 320038	2001-02-01	BASAL MANNVILLE LL
0096 320039	2001-06-01	BASAL MANNVILLE MM
0096 320040	2010-09-01	BASAL MANNVILLE NN
0096 320041	2001-06-01	BASAL MANNVILLE OO
0096 320042	2001-08-01	BASAL MANNVILLE PP
0096 320043	2001-12-01	BASAL MANNVILLE QQ
0096 320044	2003-03-01	BASAL MANNVILLE RR
0096 320045	2005-11-01	BASAL MANNVILLE SS
0096 320046	2006-03-01	BASAL MANNVILLE TT
0096 320047	2006-04-01	BASAL MANNVILLE UU
0096 320048	2006-08-01	BASAL MANNVILLE VV
0096 320049	2007-05-01	BASAL MANNVILLE WW
0096 320050	2007-07-01	BASAL MANNVILLE XX
0096 320051	2007-07-01	BASAL MANNVILLE YY
0096 320052	2007-07-01	BASAL MANNVILLE ZZ
0096 320601	2007-08-01	BASAL MANNVILLE AAA
0096 320602	2007-08-01	BASAL MANNVILLE BBB
0096 320603	2007-08-01	BASAL MANNVILLE CCC
0096 320604	2007-08-01	BASAL MANNVILLE DDD

POOL DESIGNATION (cont'd)

0096 320605 2007-08-01	BASAL MANNVILLE EEE
0096 320606 2007-09-01	BASAL MANNVILLE FFF
0096 320607 2007-12-01	BASAL MANNVILLE GGG
0096 320608 2008-05-01	BASAL MANNVILLE HHH
0096 320609 2008-11-01	BASAL MANNVILLE III
0096 320610 2008-11-01	BASAL MANNVILLE JJJ
0096 320611 2009-05-01	BASAL MANNVILLE KKK
0096 320612 2009-10-01	BASAL MANNVILLE LLL
0096 320613 2009-10-01	BASAL MANNVILLE MMM
0096 320614 2010-04-01	BASAL MANNVILLE NNN
0096 320615 2010-06-01	BASAL MANNVILLE OOO
0096 320616 2010-07-01	BASAL MANNVILLE PPP
0096 320617 2010-07-01	BASAL MANNVILLE QQQ
0096 320618 2012-12-01	BASAL MANNVILLE RRR
0096 320619 2011-01-01	BASAL MANNVILLE SSS
0096 320620 2010-12-01	BASAL MANNVILLE TTT
0096 320621 2010-12-01	BASAL MANNVILLE UUU
0096 320622 2010-12-01	BASAL MANNVILLE VVV
0096 320623 2010-12-01	BASAL MANNVILLE WWW
0096 320624 2011-11-01	BASAL MANNVILLE XXX
0096 320625 2011-11-01	BASAL MANNVILLE YYY
0096 320626 2011-05-01	BASAL MANNVILLE ZZZ
0096 320627 2011-05-01	BASAL MANNVILLE A2A
0096 320628 2011-05-01	BASAL MANNVILLE B2B
0096 320629 2011-05-01	BASAL MANNVILLE C2C
0096 320630 2011-05-01	BASAL MANNVILLE D2D
0096 320631 2011-05-01	BASAL MANNVILLE E2E
0096 320632 2011-05-01	BASAL MANNVILLE F2F
0096 320633 2011-05-01	BASAL MANNVILLE G2G
0096 320634 2011-08-01	BASAL MANNVILLE H2H
0096 320635 2011-08-01	BASAL MANNVILLE I2I
0096 320636 2011-10-01	BASAL MANNVILLE J2J
0096 320637 2012-07-01	BASAL MANNVILLE K2K
0096 320638 2012-07-01	BASAL MANNVILLE L2L
0096 320639 2013-09-01	BASAL MANNVILLE M2M
0096 696001 2011-05-01	D-2 A
0096 696002 2010-04-01	D-2 B

POOL DESIGNATION (cont'd)

0096 696003	2001-02-01	D-2 C
0096 696004	2001-02-01	D-2 D
0096 696005	2010-04-01	D-2 E
0096 696006	2001-02-01	D-2 F
0096 696007	2008-08-01	D-2 G
0096 696008	2010-04-01	D-2 H
0096 696009	2010-04-01	D-2 I
0096 696012	2001-02-01	D-2 L
0096 696013	2012-05-01	D-2 M
0096 696014	2001-02-01	D-2 N
0096 696015	2007-08-01	D-2 O
0096 696016	2011-05-01	D-2 P
0096 710001	2001-02-01	IRETON A
0096 720001	2010-04-01	D-3 A
0096 720002	2010-04-01	D-3 B
0096 720003	2001-02-01	D-3 C
0096 720004	2001-02-01	D-3 D
0096 720005	2010-04-01	D-3 E
0096 850900	2011-05-01	MFP8509 BELLY RIVER
0096 853700	2010-12-01	MFP8537 LWR EDMONTON

SPACING PATTERN

SU 4339	27 Mar 2006
SU 4339A	17 Apr 2006
SU 4339B	26 Jun 2006
SU 4339C	21 Sep 2007
SU 4339D	12 Oct 2007

MISCELLANEOUS ORDERS

MISC 6129 1 Dec 1961
Bashaw D-3 Pool wells & batteries
exempt from subsec (3) clauses
(a), (b) and (7) of Sec 20c
Drilling & Production Regs

COMMINGLED PRODUCTION

MU 8180 31 Oct 2011

ENHANCED RECOVERY SCHEMES

App 6732F 23 Feb 2015
Waterflood
D-2 C
Enhance Energy Inc.

App 10243B 9 Jun 2015
Waterflood
D-2 G
Rally Canada Resources Ltd.

App 10704B 9 Jun 2015
Waterflood
D-2 L
Rally Canada Resources Ltd.

App 11537C 28 Apr 2015
Waterflood
D-2 O
Bashaw Oil Corp.

CONCURRENT PRODUCTION

App 2287 28 Jul 1976

App 2287A 22 Jan 1979

App 2287B 29 Nov 1979

App 2287C 6 Jun 2002
D-3 B
Conoco Canada Resources Limited

SUBSURFACE DISPOSAL SCHEMES

App 5251D 16 Oct 2013
Class II
Enhance Energy Inc.

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

App 9458B 16 Jul 2014
Class II
Qattro Exploration and Production Ltd.

App 11396B 16 Jan 2012
Class II
Direct Energy Marketing Limited

COMPULSORY POOLING

P 65 28 May 1984
Gas
26-041-21W4M
Hudson's Bay Oil & Gas Co. Ltd.

P 130 6 Sep 1995
Gas
9-042-22W4M
Gulf Canada Resources Ltd.

P 165 28 Jan 1998
P 165A 10 Aug 2007
P 165B 1 Aug 2014
Gas
Sec 26-042-22W4M
Ember Resources Inc.

P 360 23 May 2008
Gas
05-044-21W4
EnCana Corporation

COMPULSORY POOLING (cont'd)

P 379 22 Apr 2009

P 379A 7 Jul 2009

P 379B 28 Jun 2016

Gas

01-042-24W4M

Quicksilver Resources Canada Inc.

P 420 8 Feb 2011

P 420A 8 Aug 2011

P 420B 14 Nov 2013

Gas

13-041-24W4M

Fairborne Energy Ltd.

FIELD DESIGNATION

0099 2014-12-01 BASING FIELD

POOL DESIGNATION

0099 126001 2002-04-01 BELLY RIVER A

0099 176001 2001-02-01 CARDIUM A

0099 176002 2001-02-01 CARDIUM B

0099 176003 2001-02-01 CARDIUM C

0099 176005 2001-02-01 CARDIUM E

0099 176007 2001-02-01 CARDIUM G

0099 176008 2001-06-01 CARDIUM H

0099 176009 2003-07-01 CARDIUM I

0099 176010 2011-10-01 CARDIUM J

0099 176012 2012-07-01 CARDIUM L

0099 192001 2011-10-01 DUNVEGAN A

0099 202001 2010-12-01 FISH SCALE A

0099 218001 2013-07-01 VIKING A

0099 218002 2013-09-01 VIKING B

0099 250003 2011-11-01 UPPER MANNVILLE C

0099 250004 2010-12-01 UPPER MANNVILLE D

0099 250006 2012-12-01 UPPER MANNVILLE F

0099 250007 2012-12-01 UPPER MANNVILLE G

0099 250008 2013-09-01 UPPER MANNVILLE H

0099 250009 2013-09-01 UPPER MANNVILLE I

0099 250010 2014-10-01 UPPER MANNVILLE J

0099 250011 2015-10-01 UPPER MANNVILLE K

0099 250012 2015-12-01 UPPER MANNVILLE L

0099 250013 2016-01-01 UPPER MANNVILLE M

0099 264001 2015-02-01 SPIRIT RIVER A

0099 264002 2014-11-01 SPIRIT RIVER B

POOL DESIGNATION (cont'd)

0099 310001 2009-10-01 LOWER MANNVILLE A
0099 326001 2011-11-01 GETHING A
0099 348002 2012-05-01 CADOMIN B
0099 348003 2014-10-01 CADOMIN C
0099 512001 2010-04-01 SPRAY RIVER A
0099 630001 2001-02-01 TURNER VALLEY A
0099 630002 2010-04-01 TURNER VALLEY B
0099 630003 2001-03-01 TURNER VALLEY C
0099 630004 2003-02-01 TURNER VALLEY D
0099 630005 2004-02-01 TURNER VALLEY E
0099 630006 2010-04-01 TURNER VALLEY F
0099 630007 2010-04-01 TURNER VALLEY G

SPACING PATTERN

SU 2503 9 Jan 1996
SU 2503A 15 May 1996
SU 2503B 3 Jul 1996

SUBSURFACE DISPOSAL SCHEMES

App 9711C 13 Nov 2013
Class Ib
Direct Energy Marketing Limited

INDEX OF AER ORDERS AND APPROVALS

BAT

BATTLE FIELD
December 2017

0098
Page 1 of 1

FIELD DESIGNATION

0098 2001-02-01 BATTLE FIELD

POOL DESIGNATION

0098 218000 2010-04-01 VIKING

SPACING PATTERN

SU 2211 10 Jul 1995

SURFACE PIT DISPOSAL

W 192 15 Dec 1961
No pit disposal

FIELD DESIGNATION

0100 2002-04-01 BATTLE NORTH FIELD

POOL DESIGNATION

0100 218000 2010-04-01 VIKING

SUBSURFACE DISPOSAL SCHEMES

App 1858A 16 Jul 2014
Class II
Sarg Oil Ltd.

SURFACE PIT DISPOSAL

W 193 15 Dec 1961
No pit disposal

FIELD DESIGNATION

0107 2009-01-01 BEATON FIELD

POOL DESIGNATION

0107 264001 2001-02-01 SPIRIT RIVER A
0107 264003 2004-10-01 SPIRIT RIVER C
0107 264004 2001-10-01 SPIRIT RIVER D
0107 264006 2012-05-01 SPIRIT RIVER F
0107 264007 2013-07-01 SPIRIT RIVER G

0107 304002 2010-04-01 BLUESKY B
0107 304003 2001-03-01 BLUESKY C
0107 304004 2010-04-01 BLUESKY D
0107 304005 2001-02-01 BLUESKY E

0107 326003 2004-01-01 GETHING C
0107 326004 2010-04-01 GETHING D
0107 326005 2001-02-01 GETHING E
0107 326006 2001-10-01 GETHING F
0107 326007 2001-03-01 GETHING G
0107 326008 2013-08-01 GETHING H
0107 326009 2012-04-01 GETHING I
0107 326010 2012-05-01 GETHING J
0107 326011 2012-05-01 GETHING K

0107 500001 2004-09-01 TRIASSIC A
0107 500002 2001-03-01 TRIASSIC B

0107 508001 2010-12-01 CHARLIE LAKE A
0107 508002 2004-08-01 CHARLIE LAKE B

0107 524003 2003-02-01 MONTNEY C
0107 524004 2006-11-01 MONTNEY D
0107 524005 2012-05-01 MONTNEY E
0107 524006 2009-05-01 MONTNEY F
0107 524007 2010-12-01 MONTNEY G

POOL DESIGNATION (cont'd)

0107 658001 2001-02-01 WABAMUN A

0107 765501 2008-06-01 GILWOOD A

SPACING PATTERN

SU 2938 18 Aug 1999

COMMINGLED PRODUCTION

MU 6427 9 Feb 2007

SUBSURFACE DISPOSAL SCHEMES

App 8520B 6 Jan 2017
Class II
Sydco Energy Inc.

App 11600B 10 Jun 2015
Class II
Canamax Energy Ltd.

FIELD DESIGNATION

0105 2011-06-01 BEAUVALLON FIELD

POOL DESIGNATION

0105 160001 2008-07-01 COLORADO A

0105 218001 2001-02-01 VIKING A

0105 218002 2001-02-01 VIKING B

0105 218004 2010-04-01 VIKING D

0105 218005 2010-04-01 VIKING E

0105 218006 2010-04-01 VIKING F

0105 218007 2001-02-01 VIKING G

0105 218008 2010-04-01 VIKING H

0105 218009 2001-02-01 VIKING I

0105 218010 2001-03-01 VIKING J

0105 218011 2006-02-01 VIKING K

0105 218012 2010-05-01 VIKING L

0105 218013 2011-01-01 VIKING M

0105 218014 2011-05-01 VIKING N

0105 218015 2011-05-01 VIKING O

0105 218016 2011-05-01 VIKING P

0105 218017 2011-06-01 VIKING Q

0105 218018 2011-06-01 VIKING R

0105 256011 2010-04-01 COLONY K

0105 256012 2010-04-01 COLONY L

0105 256013 2001-02-01 COLONY M

0105 256016 2010-04-01 COLONY P

0105 256017 2001-02-01 COLONY Q

0105 256019 2001-02-01 COLONY S

0105 256021 2001-02-01 COLONY U

0105 256025 2010-04-01 COLONY Y

0105 256026 2001-02-01 COLONY Z

0105 256029 2005-06-01 COLONY CC

0105 256030 2001-02-01 COLONY DD

0105 256031 2010-04-01 COLONY EE

POOL DESIGNATION (cont'd)

0105 256032	2001-02-01	COLONY FF
0105 256034	2001-02-01	COLONY HH
0105 256035	2001-02-01	COLONY II
0105 256037	2001-02-01	COLONY KK
0105 256038	2001-02-01	COLONY LL
0105 256039	2001-02-01	COLONY MM
0105 256040	2012-05-01	COLONY NN
0105 256041	2001-02-01	COLONY OO
0105 256042	2005-11-01	COLONY PP
0105 256043	2005-11-01	COLONY QQ
0105 256044	2006-05-01	COLONY RR
0105 256045	2006-03-01	COLONY SS
0105 256046	2006-04-01	COLONY TT
0105 256047	2010-04-01	COLONY UU
0105 256048	2010-04-01	COLONY VV
0105 256049	2009-05-01	COLONY WW
0105 256050	2008-11-01	COLONY XX
0105 262001	2001-02-01	GRAND RAPIDS A
0105 262002	2001-02-01	GRAND RAPIDS B
0105 262004	2001-02-01	GRAND RAPIDS D
0105 262006	2001-02-01	GRAND RAPIDS F
0105 262007	2001-02-01	GRAND RAPIDS G
0105 262008	2001-02-01	GRAND RAPIDS H
0105 262009	2001-02-01	GRAND RAPIDS I
0105 262010	2005-02-01	GRAND RAPIDS J
0105 262011	2010-04-01	GRAND RAPIDS K
0105 262013	2010-04-01	GRAND RAPIDS M
0105 268001	2003-06-01	MCLAREN A
0105 270001	2005-06-01	WASECA A
0105 270002	2008-07-01	WASECA B
0105 276001	2001-02-01	SPARKY A
0105 276002	2012-05-01	SPARKY B
0105 276004	2001-02-01	SPARKY D
0105 276005	2006-10-01	SPARKY E

POOL DESIGNATION (cont'd)

0105 276006 2001-02-01	SPARKY F
0105 276007 2001-02-01	SPARKY G
0105 276008 2001-02-01	SPARKY H
0105 276009 2001-02-01	SPARKY I
0105 276010 2001-03-01	SPARKY J
0105 276011 2008-05-01	SPARKY K
0105 280001 2001-02-01	CLEARWATER A
0105 294001 2001-02-01	LLOYDMINSTER A
0105 294002 2007-08-01	LLOYDMINSTER B
0105 294003 2009-06-01	LLOYDMINSTER C
0105 302001 2004-12-01	CUMMINGS A
0105 302002 2004-12-01	CUMMINGS B
0105 302003 2006-07-01	CUMMINGS C
0105 302004 2007-11-01	CUMMINGS D
0105 306001 2001-02-01	WABISKAW A
0105 306002 2006-11-01	WABISKAW B
0105 306003 2001-02-01	WABISKAW C
0105 306004 2010-04-01	WABISKAW D
0105 306005 2001-02-01	WABISKAW E
0105 306006 2001-02-01	WABISKAW F
0105 306007 2001-02-01	WABISKAW G
0105 306008 2001-02-01	WABISKAW H
0105 306009 2009-04-01	WABISKAW I
0105 306010 2001-02-01	WABISKAW J
0105 306011 2007-08-01	WABISKAW K
0105 328001 2001-02-01	MCMURRAY A

SPACING PATTERN

SU 2221 4 Jul 1995

COMMINGLED PRODUCTION

MU 6491 26 Feb 2007

FIELD DESIGNATION

0106 2003-05-01 BEAVER CROSSING FIELD

POOL DESIGNATION

0106 256001 2010-04-01 COLONY A
0106 256004 2012-05-01 COLONY D
0106 256005 2001-02-01 COLONY E
0106 256006 2003-05-01 COLONY F

FIELD DESIGNATION

0108 2007-10-01 BEAVERHILL LAKE FIELD

POOL DESIGNATION

0108 126001 2001-02-01 BELLY RIVER A
0108 126002 2001-02-01 BELLY RIVER B
0108 126003 2001-02-01 BELLY RIVER C
0108 126004 2006-07-01 BELLY RIVER D
0108 126005 2009-03-01 BELLY RIVER E

0108 216005 2001-02-01 UPPER VIKING E
0108 216006 2001-02-01 UPPER VIKING F
0108 216007 2001-02-01 UPPER VIKING G
0108 216008 2001-02-01 UPPER VIKING H
0108 216009 2006-10-01 UPPER VIKING I
0108 216010 2012-12-01 UPPER VIKING J
0108 216011 2013-06-01 UPPER VIKING K

0108 221003 2001-02-01 MIDDLE VIKING C

0108 224001 2013-06-01 LOWER VIKING A
0108 224002 2001-02-01 LOWER VIKING B
0108 224003 2001-02-01 LOWER VIKING C
0108 224004 2003-06-01 LOWER VIKING D

0108 248001 2014-12-01 MANNVILLE A

0108 250001 2006-08-01 UPPER MANNVILLE A
0108 250002 2001-02-01 UPPER MANNVILLE B
0108 250003 2001-02-01 UPPER MANNVILLE C
0108 250004 2010-04-01 UPPER MANNVILLE D
0108 250005 2006-08-01 UPPER MANNVILLE E
0108 250007 2001-02-01 UPPER MANNVILLE G
0108 250008 2001-02-01 UPPER MANNVILLE H
0108 250009 2001-02-01 UPPER MANNVILLE I
0108 250010 2010-04-01 UPPER MANNVILLE J

POOL DESIGNATION (cont'd)

0108 250011	2001-02-01	UPPER MANNVILLE K
0108 250012	2001-02-01	UPPER MANNVILLE L
0108 250013	2010-04-01	UPPER MANNVILLE M
0108 250014	2001-02-01	UPPER MANNVILLE N
0108 250016	2001-02-01	UPPER MANNVILLE P
0108 250017	2002-09-01	UPPER MANNVILLE Q
0108 250018	2001-02-01	UPPER MANNVILLE R
0108 250019	2001-02-01	UPPER MANNVILLE S
0108 250020	2001-02-01	UPPER MANNVILLE T
0108 250021	2006-11-01	UPPER MANNVILLE U
0108 250022	2001-02-01	UPPER MANNVILLE V
0108 250023	2001-02-01	UPPER MANNVILLE W
0108 250024	2001-02-01	UPPER MANNVILLE X
0108 250025	2001-12-01	UPPER MANNVILLE Y
0108 250026	2001-03-01	UPPER MANNVILLE Z
0108 250027	2010-08-01	UPPER MANNVILLE AA
0108 250028	2002-10-01	UPPER MANNVILLE BB
0108 250029	2010-04-01	UPPER MANNVILLE CC
0108 250030	2003-05-01	UPPER MANNVILLE DD
0108 250031	2003-10-01	UPPER MANNVILLE EE
0108 250032	2003-10-01	UPPER MANNVILLE FF
0108 250033	2003-10-01	UPPER MANNVILLE GG
0108 250034	2003-10-01	UPPER MANNVILLE HH
0108 250035	2004-05-01	UPPER MANNVILLE II
0108 250036	2004-06-01	UPPER MANNVILLE JJ
0108 250037	2004-06-01	UPPER MANNVILLE KK
0108 250038	2005-10-01	UPPER MANNVILLE LL
0108 250039	2007-03-01	UPPER MANNVILLE MM
0108 250040	2006-05-01	UPPER MANNVILLE NN
0108 250041	2010-04-01	UPPER MANNVILLE OO
0108 250042	2006-09-01	UPPER MANNVILLE PP
0108 250043	2007-01-01	UPPER MANNVILLE QQ
0108 250044	2007-07-01	UPPER MANNVILLE RR
0108 250045	2007-08-01	UPPER MANNVILLE SS
0108 250046	2007-08-01	UPPER MANNVILLE TT
0108 250047	2007-08-01	UPPER MANNVILLE UU
0108 250048	2007-10-01	UPPER MANNVILLE VV
0108 250049	2008-05-01	UPPER MANNVILLE WW

POOL DESIGNATION (cont'd)

0108 250050 2007-10-01	UPPER MANNVILLE XX
0108 250051 2008-09-01	UPPER MANNVILLE YY
0108 250052 2008-07-01	UPPER MANNVILLE ZZ
0108 250701 2011-10-01	UPPER MANNVILLE AAA
0108 250702 2009-08-01	UPPER MANNVILLE BBB
0108 250703 2009-09-01	UPPER MANNVILLE CCC
0108 250704 2011-10-01	UPPER MANNVILLE DDD
0108 250705 2012-05-01	UPPER MANNVILLE EEE
0108 250706 2012-11-01	UPPER MANNVILLE FFF
0108 310001 2001-02-01	LOWER MANNVILLE A
0108 310002 2001-02-01	LOWER MANNVILLE B
0108 310004 2001-02-01	LOWER MANNVILLE D
0108 310005 2001-02-01	LOWER MANNVILLE E
0108 310006 2010-04-01	LOWER MANNVILLE F
0108 310007 2001-02-01	LOWER MANNVILLE G
0108 310008 2010-04-01	LOWER MANNVILLE H
0108 310009 2001-02-01	LOWER MANNVILLE I
0108 310011 2001-02-01	LOWER MANNVILLE K
0108 310012 2002-09-01	LOWER MANNVILLE L
0108 310013 2001-02-01	LOWER MANNVILLE M
0108 310014 2001-02-01	LOWER MANNVILLE N
0108 310015 2001-02-01	LOWER MANNVILLE O
0108 310016 2001-02-01	LOWER MANNVILLE P
0108 310017 2001-02-01	LOWER MANNVILLE Q
0108 310018 2001-02-01	LOWER MANNVILLE R
0108 310019 2001-02-01	LOWER MANNVILLE S
0108 310020 2002-08-01	LOWER MANNVILLE T
0108 310021 2001-02-01	LOWER MANNVILLE U
0108 310022 2001-02-01	LOWER MANNVILLE V
0108 310023 2001-02-01	LOWER MANNVILLE W
0108 310024 2001-02-01	LOWER MANNVILLE X
0108 310025 2001-02-01	LOWER MANNVILLE Y
0108 310026 2001-02-01	LOWER MANNVILLE Z
0108 310028 2001-04-01	LOWER MANNVILLE BB
0108 310029 2001-04-01	LOWER MANNVILLE CC
0108 310030 2001-04-01	LOWER MANNVILLE DD
0108 310031 2001-12-01	LOWER MANNVILLE EE

POOL DESIGNATION (cont'd)

0108 310032 2001-03-01 LOWER MANNVILLE FF
0108 310033 2001-11-01 LOWER MANNVILLE GG
0108 310034 2003-05-01 LOWER MANNVILLE HH
0108 310035 2003-11-01 LOWER MANNVILLE II
0108 310036 2011-10-01 LOWER MANNVILLE JJ
0108 310037 2004-06-01 LOWER MANNVILLE KK
0108 310038 2005-03-01 LOWER MANNVILLE LL
0108 310039 2004-11-01 LOWER MANNVILLE MM
0108 310040 2005-03-01 LOWER MANNVILLE NN
0108 310041 2006-02-01 LOWER MANNVILLE OO
0108 310042 2006-02-01 LOWER MANNVILLE PP
0108 310043 2006-02-01 LOWER MANNVILLE QQ
0108 310044 2005-11-01 LOWER MANNVILLE RR
0108 310046 2008-01-01 LOWER MANNVILLE TT
0108 310047 2008-03-01 LOWER MANNVILLE UU
0108 310048 2008-09-01 LOWER MANNVILLE VV
0108 310049 2008-07-01 LOWER MANNVILLE WW
0108 310050 2009-08-01 LOWER MANNVILLE XX

0108 350001 2002-11-01 DETRITAL A

0108 658001 2001-02-01 WABAMUN A
0108 658002 2001-02-01 WABAMUN B
0108 658003 2007-07-01 WABAMUN C

0108 851800 2010-04-01 MFP8518 U&M VIKING

SPACING PATTERN

SU 2561 7 Feb 1996

COMMINGLED PRODUCTION

MU 6983 18 Aug 2008

COMPULSORY POOLING

P 250 17 Mar 2004

Gas
25-049-18W4M
Lakewood Oil & Gas Ltd.

FIELD DESIGNATION

0110 2011-05-01 BELLIS FIELD

POOL DESIGNATION

0110 218003 2005-12-01 VIKING C
0110 218004 2005-01-01 VIKING D
0110 218005 2001-02-01 VIKING E
0110 218007 2010-04-01 VIKING G
0110 218008 2003-03-01 VIKING H
0110 218009 2001-02-01 VIKING I
0110 218010 2001-02-01 VIKING J
0110 218011 2010-04-01 VIKING K
0110 218012 2001-02-01 VIKING L
0110 218013 2010-04-01 VIKING M
0110 218014 2004-01-01 VIKING N
0110 218015 2004-09-01 VIKING O
0110 218016 2012-02-01 VIKING P
0110 218017 2010-04-01 VIKING Q
0110 218018 2001-02-01 VIKING R
0110 218019 2001-03-01 VIKING S
0110 218020 2001-03-01 VIKING T
0110 218021 2001-03-01 VIKING U
0110 218022 2002-03-01 VIKING V
0110 218023 2017-12-01 VIKING W
0110 218024 2007-06-01 VIKING X
0110 218025 2006-12-01 VIKING Y
0110 218026 2007-07-01 VIKING Z
0110 218027 2007-07-01 VIKING AA
0110 218028 2007-12-01 VIKING BB

0110 250002 2017-12-01 UPPER MANNVILLE B
0110 250004 2001-02-01 UPPER MANNVILLE D
0110 250005 2006-12-01 UPPER MANNVILLE E
0110 250006 2001-02-01 UPPER MANNVILLE F
0110 250007 2001-02-01 UPPER MANNVILLE G
0110 250008 2005-01-01 UPPER MANNVILLE H

POOL DESIGNATION (cont'd)

0110 250010	2001-02-01	UPPER MANNVILLE J
0110 250012	2001-02-01	UPPER MANNVILLE L
0110 250013	2001-02-01	UPPER MANNVILLE M
0110 250014	2001-02-01	UPPER MANNVILLE N
0110 250015	2001-02-01	UPPER MANNVILLE O
0110 250016	2001-02-01	UPPER MANNVILLE P
0110 250019	2001-02-01	UPPER MANNVILLE S
0110 250020	2001-02-01	UPPER MANNVILLE T
0110 250021	2001-02-01	UPPER MANNVILLE U
0110 250022	2001-02-01	UPPER MANNVILLE V
0110 250023	2001-02-01	UPPER MANNVILLE W
0110 250025	2011-02-01	UPPER MANNVILLE Y
0110 250026	2001-02-01	UPPER MANNVILLE Z
0110 250027	2001-02-01	UPPER MANNVILLE AA
0110 250032	2010-04-01	UPPER MANNVILLE FF
0110 250033	2001-02-01	UPPER MANNVILLE GG
0110 250034	2001-02-01	UPPER MANNVILLE HH
0110 250035	2001-02-01	UPPER MANNVILLE II
0110 250036	2001-02-01	UPPER MANNVILLE JJ
0110 250037	2004-08-01	UPPER MANNVILLE KK
0110 250039	2001-02-01	UPPER MANNVILLE MM
0110 250040	2001-02-01	UPPER MANNVILLE NN
0110 250041	2001-02-01	UPPER MANNVILLE OO
0110 250042	2010-04-01	UPPER MANNVILLE PP
0110 250043	2001-02-01	UPPER MANNVILLE QQ
0110 250044	2001-02-01	UPPER MANNVILLE RR
0110 250045	2002-08-01	UPPER MANNVILLE SS
0110 250046	2001-02-01	UPPER MANNVILLE TT
0110 250048	2007-11-01	UPPER MANNVILLE VV
0110 250049	2003-03-01	UPPER MANNVILLE WW
0110 250050	2001-02-01	UPPER MANNVILLE XX
0110 250051	2001-02-01	UPPER MANNVILLE YY
0110 250052	2001-02-01	UPPER MANNVILLE ZZ
0110 250701	2003-03-01	UPPER MANNVILLE AAA
0110 250702	2011-12-01	UPPER MANNVILLE BBB
0110 250703	2001-02-01	UPPER MANNVILLE CCC
0110 250704	2006-04-01	UPPER MANNVILLE DDD
0110 250705	2001-02-01	UPPER MANNVILLE EEE

POOL DESIGNATION (cont'd)

0110 250706 2001-02-01	UPPER MANNVILLE FFF
0110 250707 2003-03-01	UPPER MANNVILLE GGG
0110 250709 2010-04-01	UPPER MANNVILLE III
0110 250710 2001-02-01	UPPER MANNVILLE JJJ
0110 250711 2001-02-01	UPPER MANNVILLE KKK
0110 250712 2001-02-01	UPPER MANNVILLE LLL
0110 250713 2001-02-01	UPPER MANNVILLE MMM
0110 250714 2001-02-01	UPPER MANNVILLE NNN
0110 250715 2001-02-01	UPPER MANNVILLE OOO
0110 250716 2001-02-01	UPPER MANNVILLE PPP
0110 250717 2001-02-01	UPPER MANNVILLE QQQ
0110 250718 2001-02-01	UPPER MANNVILLE RRR
0110 250719 2001-02-01	UPPER MANNVILLE SSS
0110 250720 2001-02-01	UPPER MANNVILLE TTT
0110 250721 2003-11-01	UPPER MANNVILLE UUU
0110 250722 2001-02-01	UPPER MANNVILLE VVV
0110 250723 2001-02-01	UPPER MANNVILLE WWW
0110 250724 2001-02-01	UPPER MANNVILLE XXX
0110 250727 2001-02-01	UPPER MANNVILLE A2A
0110 250728 2006-03-01	UPPER MANNVILLE B2B
0110 250729 2001-02-01	UPPER MANNVILLE C2C
0110 250730 2001-02-01	UPPER MANNVILLE D2D
0110 250732 2001-02-01	UPPER MANNVILLE F2F
0110 250733 2004-09-01	UPPER MANNVILLE G2G
0110 250734 2004-07-01	UPPER MANNVILLE H2H
0110 250735 2001-02-01	UPPER MANNVILLE I2I
0110 250736 2001-02-01	UPPER MANNVILLE J2J
0110 250737 2001-02-01	UPPER MANNVILLE K2K
0110 250738 2001-02-01	UPPER MANNVILLE L2L
0110 250739 2001-02-01	UPPER MANNVILLE M2M
0110 250740 2014-12-01	UPPER MANNVILLE N2N
0110 250741 2010-04-01	UPPER MANNVILLE O2O
0110 250742 2017-07-01	UPPER MANNVILLE P2P
0110 250743 2001-02-01	UPPER MANNVILLE Q2Q
0110 250744 2001-02-01	UPPER MANNVILLE R2R
0110 250745 2001-02-01	UPPER MANNVILLE S2S
0110 250746 2001-02-01	UPPER MANNVILLE T2T
0110 250747 2001-02-01	UPPER MANNVILLE U2U

POOL DESIGNATION (cont'd)

0110 250748 2001-02-01	UPPER MANNVILLE V2V
0110 250749 2002-07-01	UPPER MANNVILLE W2W
0110 250750 2001-02-01	UPPER MANNVILLE X2X
0110 251101 2003-11-01	UPPER MANNVILLE A3A
0110 251102 2010-04-01	UPPER MANNVILLE B3B
0110 251103 2001-02-01	UPPER MANNVILLE C3C
0110 251104 2001-02-01	UPPER MANNVILLE D3D
0110 251105 2001-02-01	UPPER MANNVILLE E3E
0110 251107 2001-02-01	UPPER MANNVILLE G3G
0110 251108 2001-02-01	UPPER MANNVILLE H3H
0110 251109 2001-03-01	UPPER MANNVILLE I3I
0110 251110 2001-03-01	UPPER MANNVILLE J3J
0110 251111 2003-11-01	UPPER MANNVILLE K3K
0110 251112 2003-11-01	UPPER MANNVILLE L3L
0110 251113 2003-10-01	UPPER MANNVILLE M3M
0110 251114 2001-03-01	UPPER MANNVILLE N3N
0110 251115 2001-03-01	UPPER MANNVILLE O3O
0110 251116 2001-03-01	UPPER MANNVILLE P3P
0110 251117 2001-03-01	UPPER MANNVILLE Q3Q
0110 251118 2003-11-01	UPPER MANNVILLE R3R
0110 251119 2001-04-01	UPPER MANNVILLE S3S
0110 251120 2001-06-01	UPPER MANNVILLE T3T
0110 251121 2001-06-01	UPPER MANNVILLE U3U
0110 251122 2001-08-01	UPPER MANNVILLE V3V
0110 251123 2011-08-01	UPPER MANNVILLE W3W
0110 251124 2002-09-01	UPPER MANNVILLE X3X
0110 251125 2010-06-01	UPPER MANNVILLE Y3Y
0110 251126 2002-11-01	UPPER MANNVILLE Z3Z
0110 251128 2004-03-01	UPPER MANNVILLE B4B
0110 251129 2011-07-01	UPPER MANNVILLE C4C
0110 251130 2004-06-01	UPPER MANNVILLE D4D
0110 251131 2004-07-01	UPPER MANNVILLE E4E
0110 251133 2004-09-01	UPPER MANNVILLE G4G
0110 251134 2004-09-01	UPPER MANNVILLE H4H
0110 251135 2010-04-01	UPPER MANNVILLE I4I
0110 251136 2005-12-01	UPPER MANNVILLE J4J
0110 251137 2007-08-01	UPPER MANNVILLE K4K
0110 251139 2006-09-01	UPPER MANNVILLE M4M

POOL DESIGNATION (cont'd)

0110 251140 2006-09-01	UPPER MANNVILLE N4N
0110 251141 2006-09-01	UPPER MANNVILLE O4O
0110 251142 2006-12-01	UPPER MANNVILLE P4P
0110 251143 2012-07-01	UPPER MANNVILLE Q4Q
0110 251144 2011-08-01	UPPER MANNVILLE R4R
0110 251145 2010-04-01	UPPER MANNVILLE S4S
0110 251146 2010-04-01	UPPER MANNVILLE T4T
0110 251147 2007-07-01	UPPER MANNVILLE U4U
0110 251148 2010-04-01	UPPER MANNVILLE V4V
0110 251149 2007-07-01	UPPER MANNVILLE W4W
0110 251150 2007-07-01	UPPER MANNVILLE X4X
0110 251151 2011-08-01	UPPER MANNVILLE Y4Y
0110 251152 2007-08-01	UPPER MANNVILLE Z4Z
0110 251501 2007-08-01	UPPER MANNVILLE A5A
0110 251502 2008-03-01	UPPER MANNVILLE B5B
0110 251503 2007-08-01	UPPER MANNVILLE C5C
0110 251504 2007-08-01	UPPER MANNVILLE D5D
0110 251505 2007-08-01	UPPER MANNVILLE E5E
0110 251506 2007-08-01	UPPER MANNVILLE F5F
0110 251507 2007-08-01	UPPER MANNVILLE G5G
0110 251508 2007-09-01	UPPER MANNVILLE H5H
0110 251509 2007-10-01	UPPER MANNVILLE I5I
0110 251510 2008-03-01	UPPER MANNVILLE J5J
0110 251511 2008-03-01	UPPER MANNVILLE K5K
0110 251512 2007-10-01	UPPER MANNVILLE L5L
0110 251513 2007-10-01	UPPER MANNVILLE M5M
0110 251514 2010-04-01	UPPER MANNVILLE N5N
0110 251515 2008-04-01	UPPER MANNVILLE O5O
0110 251516 2007-11-01	UPPER MANNVILLE P5P
0110 251517 2010-04-01	UPPER MANNVILLE Q5Q
0110 251518 2010-04-01	UPPER MANNVILLE R5R
0110 251519 2008-04-01	UPPER MANNVILLE S5S
0110 251520 2010-04-01	UPPER MANNVILLE T5T
0110 251521 2008-04-01	UPPER MANNVILLE U5U
0110 251522 2008-01-01	UPPER MANNVILLE V5V
0110 251523 2008-01-01	UPPER MANNVILLE W5W
0110 251524 2008-01-01	UPPER MANNVILLE X5X
0110 251525 2008-03-01	UPPER MANNVILLE Y5Y

POOL DESIGNATION (cont'd)

0110 251526 2008-03-01	UPPER MANNVILLE Z5Z
0110 251527 2008-07-01	UPPER MANNVILLE A6A
0110 251528 2008-05-01	UPPER MANNVILLE B6B
0110 251530 2010-04-01	UPPER MANNVILLE D6D
0110 251531 2009-01-01	UPPER MANNVILLE E6E
0110 251532 2008-07-01	UPPER MANNVILLE F6F
0110 251533 2008-07-01	UPPER MANNVILLE G6G
0110 251534 2008-07-01	UPPER MANNVILLE H6H
0110 251536 2008-07-01	UPPER MANNVILLE J6J
0110 251537 2010-04-01	UPPER MANNVILLE K6K
0110 251538 2008-10-01	UPPER MANNVILLE L6L
0110 251539 2010-04-01	UPPER MANNVILLE M6M
0110 251540 2008-12-01	UPPER MANNVILLE N6N
0110 251541 2010-04-01	UPPER MANNVILLE O6O
0110 251543 2010-04-01	UPPER MANNVILLE Q6Q
0110 251544 2010-04-01	UPPER MANNVILLE R6R
0110 251545 2009-08-01	UPPER MANNVILLE S6S
0110 251546 2009-08-01	UPPER MANNVILLE T6T
0110 251547 2010-04-01	UPPER MANNVILLE U6U
0110 251548 2010-04-01	UPPER MANNVILLE V6V
0110 251549 2009-11-01	UPPER MANNVILLE W6W
0110 251550 2010-01-01	UPPER MANNVILLE X6X
0110 251551 2011-01-01	UPPER MANNVILLE Y6Y
0110 251552 2011-01-01	UPPER MANNVILLE Z6Z
0110 251901 2011-03-01	UPPER MANNVILLE A7A
0110 251902 2012-01-01	UPPER MANNVILLE B7B
0110 251903 2011-05-01	UPPER MANNVILLE C7C
0110 251905 2011-05-01	UPPER MANNVILLE E7E
0110 251906 2012-04-01	UPPER MANNVILLE F7F
0110 251907 2011-08-01	UPPER MANNVILLE G7G
0110 251908 2011-08-01	UPPER MANNVILLE H7H
0110 251909 2011-10-01	UPPER MANNVILLE I7I
0110 251910 2011-11-01	UPPER MANNVILLE J7J
0110 251911 2012-06-01	UPPER MANNVILLE K7K
0110 251912 2012-07-01	UPPER MANNVILLE L7L
0110 310003 2001-02-01	LOWER MANNVILLE C
0110 310004 2001-02-01	LOWER MANNVILLE D

POOL DESIGNATION (cont'd)

0110 310009 2001-02-01 LOWER MANNVILLE I
0110 310010 2001-02-01 LOWER MANNVILLE J
0110 310011 2001-02-01 LOWER MANNVILLE K
0110 310012 2004-03-01 LOWER MANNVILLE L
0110 310014 2006-10-01 LOWER MANNVILLE N

0110 350601 2001-02-01 DETRITAL-NISKU A

0110 658001 2010-04-01 WABAMUN A
0110 658002 2001-02-01 WABAMUN B
0110 658004 2007-10-01 WABAMUN D
0110 658006 2001-02-01 WABAMUN F
0110 658007 2008-08-01 WABAMUN G

0110 696001 2010-04-01 NISKU A
0110 696002 2010-04-01 NISKU B
0110 696003 2011-02-01 NISKU C
0110 696004 2017-12-01 NISKU D
0110 696005 2009-08-01 NISKU E
0110 696006 2003-11-01 NISKU F
0110 696007 2001-02-01 NISKU G
0110 696008 2001-11-01 NISKU H
0110 696009 2001-02-01 NISKU I
0110 696010 2001-02-01 NISKU J
0110 696011 2001-02-01 NISKU K
0110 696012 2001-02-01 NISKU L
0110 696013 2001-02-01 NISKU M
0110 696014 2011-09-01 NISKU N
0110 696015 2007-07-01 NISKU O

0110 708001 2011-02-01 CAMROSE A
0110 708002 2001-02-01 CAMROSE B

SPACING PATTERN

SU 2562 7 Feb 1996
SU 2562A 28 Oct 1999
SU 2562B 17 May 2000
SU 2562C 14 Jun 2001
SU 2562D 27 Sep 2004

EXPERIMENTAL SCHEMES

For gas production in association
with crude bitumen
See Oil Sands Areas, GB Orders

COMMINGLED PRODUCTION

MU 8301 20 Jan 2012

ENHANCED RECOVERY SCHEMES

App 12150A 14 May 2015
Water flood
Upper Manville N2N
Bernum Petroleum Ltd

SUBSURFACE DISPOSAL SCHEMES

App 2734E 29 Mar 2011
Class II
Canadian Natural Resources Limited

App 11153F 11 Jul 2017
Class II
Bernum Petroleums Ltd.

COMPULSORY POOLING

P 325 17 Jul 2007
All tracts within Sec 23-58-17W4M
Gas production from all zones to the base of
Wabamun Formation
Canadian Natural Resources Limited

FIELD DESIGNATION

0113 2013-05-01 BELLOY FIELD

POOL DESIGNATION

0113 232001 2010-04-01 CADOTTE A

0113 264001 2001-02-01 SPIRIT RIVER A
0113 264002 2001-02-01 SPIRIT RIVER B
0113 264003 2001-02-01 SPIRIT RIVER C
0113 264007 2001-03-01 SPIRIT RIVER G
0113 264008 2001-03-01 SPIRIT RIVER H
0113 264010 2007-07-01 SPIRIT RIVER J
0113 264011 2008-02-01 SPIRIT RIVER K

0113 266001 2010-04-01 NOTIKEWIN A
0113 266002 2001-02-01 NOTIKEWIN B
0113 266004 2001-02-01 NOTIKEWIN D
0113 266006 2001-02-01 NOTIKEWIN F
0113 266007 2001-03-01 NOTIKEWIN G
0113 266008 2001-02-01 NOTIKEWIN H

0113 271501 2004-08-01 FALHER A
0113 271502 2008-08-01 FALHER B
0113 271503 2001-06-01 FALHER C
0113 271504 2001-02-01 FALHER D
0113 271505 2001-06-01 FALHER E
0113 271506 2012-04-01 FALHER F
0113 271507 2010-12-01 FALHER G

0113 304001 2009-05-01 BLUESKY A
0113 304003 2001-02-01 BLUESKY C
0113 304004 2001-02-01 BLUESKY D
0113 304005 2004-08-01 BLUESKY E
0113 304006 2007-11-01 BLUESKY F

0113 326002 2001-02-01 GETHING B

POOL DESIGNATION (cont'd)

0113 326003 2001-02-01	GETHING C
0113 326005 2001-02-01	GETHING E
0113 326007 2005-06-01	GETHING G
0113 326008 2001-02-01	GETHING H
0113 326009 2001-02-01	GETHING I
0113 326010 2001-02-01	GETHING J
0113 326011 2001-02-01	GETHING K
0113 326012 2002-06-01	GETHING L
0113 326013 2003-03-01	GETHING M
0113 326014 2003-04-01	GETHING N
0113 326015 2003-04-01	GETHING O
0113 326016 2003-05-01	GETHING P
0113 432001 2001-03-01	ROCK CREEK A
0113 432002 2011-12-01	ROCK CREEK B
0113 524001 2017-12-01	MONTNEY A
0113 524004 2001-02-01	MONTNEY D
0113 524006 2010-04-01	MONTNEY F
0113 524007 2006-10-01	MONTNEY G
0113 524008 2002-02-01	MONTNEY H
0113 524009 2010-04-01	MONTNEY I
0113 524010 2010-04-01	MONTNEY J
0113 524011 2003-06-01	MONTNEY K
0113 524012 2003-08-01	MONTNEY L
0113 524013 2004-05-01	MONTNEY M
0113 556001 2001-02-01	BELLOY A
0113 556002 2001-02-01	BELLOY B
0113 556003 2001-02-01	BELLOY C
0113 606001 2003-04-01	KISKATINAW A
0113 606002 2003-04-01	KISKATINAW B
0113 612001 2010-04-01	DEBOLT A
0113 612002 2010-04-01	DEBOLT B
0113 612003 2010-04-01	DEBOLT C
0113 612004 2010-04-01	DEBOLT D

POOL DESIGNATION (cont'd)

0113 612005 2001-02-01	DEBOLT E
0113 612007 2010-04-01	DEBOLT G
0113 612008 2001-02-01	DEBOLT H
0113 612009 2001-02-01	DEBOLT I
0113 612010 2001-02-01	DEBOLT J
0113 612011 2002-02-01	DEBOLT K
0113 612012 2001-02-01	DEBOLT L
0113 612013 2010-04-01	DEBOLT M
0113 612014 2011-08-01	DEBOLT N
0113 612015 2010-04-01	DEBOLT O
0113 612016 2010-04-01	DEBOLT P
0113 612017 2010-04-01	DEBOLT Q
0113 612018 2010-04-01	DEBOLT R
0113 612019 2006-11-01	DEBOLT S
0113 612020 2010-04-01	DEBOLT T
0113 612021 2011-06-01	DEBOLT U
0113 638001 2001-02-01	ELKTON A
0113 658001 2001-02-01	D-1 A
0113 658002 2010-04-01	D-1 B
0113 658003 2001-02-01	D-1 C
0113 658004 2010-04-01	D-1 D
0113 658007 2001-02-01	D-1 G
0113 658008 2001-02-01	D-1 H
0113 658009 2001-02-01	D-1 I
0113 658010 2001-02-01	D-1 J
0113 658011 2001-02-01	D-1 K
0113 658012 2003-10-01	D-1 L
0113 658013 2001-02-01	D-1 M
0113 658014 2001-02-01	D-1 N
0113 658015 2001-02-01	D-1 O
0113 658016 2001-02-01	D-1 P
0113 658017 2001-02-01	D-1 Q
0113 658018 2001-02-01	D-1 R
0113 658019 2001-02-01	D-1 S
0113 658020 2001-02-01	D-1 T
0113 658021 2001-02-01	D-1 U

POOL DESIGNATION (cont'd)

0113 658022	2014-09-01	D-1 V
0113 658023	2010-04-01	D-1 W
0113 658024	2001-02-01	D-1 X
0113 658025	2001-02-01	D-1 Y
0113 658026	2001-02-01	D-1 Z
0113 658027	2001-02-01	D-1 AA
0113 658028	2001-02-01	D-1 BB
0113 658029	2001-02-01	D-1 CC
0113 658030	2010-04-01	D-1 DD
0113 658031	2004-07-01	D-1 EE
0113 658032	2011-12-01	D-1 FF
0113 658033	2005-12-01	D-1 GG
0113 658034	2005-12-01	D-1 HH
0113 658035	2006-09-01	D-1 II
0113 658036	2006-08-01	D-1 JJ
0113 658037	2008-09-01	D-1 KK
0113 658038	2008-09-01	D-1 LL
0113 658039	2008-05-01	D-1 MM
0113 658040	2010-03-01	D-1 NN
0113 658041	2009-02-01	D-1 OO
0113 658042	2013-06-01	D-1 PP
0113 658043	2015-10-01	D-1 QQ

SPACING PATTERN

SU 2563	7 Feb 1996
SU 2563A	16 Feb 1999
SU 2563B	4 Mar 1999
SU 2563C	21 Jul 2004
SU 2563D	2 Sep 2004
SU 2563E	31 Aug 2005

COMMINGLED PRODUCTION

MU 8747	23 Jul 2015
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SUBSURFACE DISPOSAL SCHEMES

App 6429C	17 Jul 2014
Class II	
Canadian Natural Resources Limited	
App 8549A	13 Apr 2012
Class II	
Hanna Oil & Gas Company - Canada ULC	

FIELD DESIGNATION

0115 2009-10-01 BELLSHILL LAKE FIELD

POOL DESIGNATION

0115 126001 2001-03-01 BELLY RIVER A

0115 216002 2001-02-01 UPPER VIKING B

0115 218001 2012-04-01 VIKING A

0115 224001 2001-02-01 LOWER VIKING A

0115 244000 2010-04-01 BLAIRMORE

0115 244005 2001-02-01 BLAIRMORE E

0115 244006 2001-02-01 BLAIRMORE F

0115 244007 2002-11-01 BLAIRMORE G

0115 244008 2001-02-01 BLAIRMORE H

0115 244009 2001-02-01 BLAIRMORE I

0115 244010 2001-02-01 BLAIRMORE J

0115 250001 2013-03-01 UPPER MANNVILLE A

0115 276001 2012-12-01 SPARKY A

0115 276002 2015-02-01 SPARKY B

0115 276003 2012-12-01 SPARKY C

0115 294001 2009-12-01 LLOYDMINSTER A

0115 300001 2001-02-01 GLAUCONITIC A

0115 300002 2001-02-01 GLAUCONITIC B

0115 300003 2001-02-01 GLAUCONITIC C

0115 300004 2001-02-01 GLAUCONITIC D

0115 300005 2001-02-01 GLAUCONITIC E

0115 300006 2009-05-01 GLAUCONITIC F

0115 300007 2010-10-01 GLAUCONITIC G

0115 300008 2010-04-01 GLAUCONITIC H

POOL DESIGNATION (cont'd)

0115 300009 2010-11-01 GLAUCONITIC I
0115 300010 2010-11-01 GLAUCONITIC J
0115 300011 2011-04-01 GLAUCONITIC K

0115 310001 2012-04-01 LOWER MANNVILLE A

0115 336001 2001-02-01 ELLERSLIE A
0115 336003 2001-02-01 ELLERSLIE C
0115 336006 2001-02-01 ELLERSLIE F
0115 336007 2002-03-01 ELLERSLIE G
0115 336008 2013-05-01 ELLERSLIE H

0115 851800 2011-04-01 MFP8518 U&M VIKING

SPACING PATTERN

SU 4017 12 Jul 2002
SU 4017A 25 Apr 2003
SU 4017B 26 Jun 2003

GAS STORAGE SCHEMES

App 2717B 6 Oct 2011
Blairmore
Harvest Operations Corp.

SUBSURFACE DISPOSAL SCHEMES

App 7010C 30 Nov 2012
Class II
Zargon Oil & Gas Ltd.

App 8088B 6 Mar 2014
Class II
Perpetual Energy Operating Corp.

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

App 9230A 21 Aug 2013
Class II
Hermes Energy Corp.

App 10482B 31 Oct 2012
Class II & Class III
Harvest Operations Corp.

App 10710B 24 Mar 2014
Class II
Harvest Operations Corp.

FIELD DESIGNATION

0117 2001-02-01 BENTLEY FIELD

POOL DESIGNATION

0117 256001 2001-02-01 COLONY A

0117 256002 2001-02-01 COLONY B

0117 256005 2001-04-01 COLONY E

0117 256006 2007-07-01 COLONY F

0117 262001 2001-02-01 GRAND RAPIDS A

SPACING PATTERN

SU 2565 7 Feb 1996

COMMINGLED PRODUCTION

MU 6840 23 Apr 2008

FIELD DESIGNATION

0118 2009-04-01 BENTON FIELD

POOL DESIGNATION

0118 126001 2001-02-01 BELLY RIVER A

0118 126002 2008-08-01 BELLY RIVER B

0118 126003 2010-12-01 BELLY RIVER C

0118 126004 2010-04-01 BELLY RIVER D

0118 134001 2007-05-01 BASAL BELLY RIVER A

0118 218001 2003-10-01 VIKING A

0118 218002 2001-02-01 VIKING B

0118 218004 2006-03-01 VIKING D

0118 218006 2001-02-01 VIKING F

0118 218007 2001-03-01 VIKING G

0118 218008 2010-04-01 VIKING H

0118 218009 2006-04-01 VIKING I

0118 248001 2001-02-01 MANNVILLE A

0118 248002 2002-02-01 MANNVILLE B

0118 250001 2001-02-01 UPPER MANNVILLE A

0118 250002 2005-11-01 UPPER MANNVILLE B

0118 250003 2014-04-01 UPPER MANNVILLE C

0118 310001 2001-02-01 LOWER MANNVILLE A

0118 310002 2009-04-01 LOWER MANNVILLE B

0118 310005 2007-08-01 LOWER MANNVILLE E

0118 310006 2013-05-01 LOWER MANNVILLE F

0118 644001 2009-07-01 BANFF A

0118 646001 2001-02-01 BAKKEN A

0118 646002 2001-02-01 BAKKEN B

POOL DESIGNATION (cont'd)

0118 646003 2001-02-01 BAKKEN C
0118 646004 2001-02-01 BAKKEN D

SPACING PATTERN

SU 2580 21 Mar 1996

SUBSURFACE DISPOSAL SCHEMES

App 5946B 9 Sep 2015
Class II
NuVista Energy Ltd.

FIELD DESIGNATION

0121 2014-01-01 BERLAND RIVER FIELD

POOL DESIGNATION

0121 176001 2016-09-01 CARDIUM A
0121 176002 2010-04-01 CARDIUM B
0121 176003 2008-10-01 CARDIUM C
0121 176004 2010-07-01 CARDIUM D
0121 176005 2013-03-01 CARDIUM E
0121 176006 2013-07-01 CARDIUM F

0121 186001 2008-10-01 SECOND WHITE SPECKS A

0121 192001 2001-02-01 DUNVEGAN A
0121 192002 2004-04-01 DUNVEGAN B
0121 192003 2013-07-01 DUNVEGAN C
0121 192007 2008-10-01 DUNVEGAN G
0121 192009 2016-04-01 DUNVEGAN I

0121 218001 2002-02-01 VIKING A
0121 218002 2010-04-01 VIKING B
0121 218003 2010-04-01 VIKING C

0121 250001 2010-04-01 UPPER MANNVILLE A
0121 250003 2013-03-01 UPPER MANNVILLE C

0121 266001 2010-04-01 NOTIKWIN A

0121 271501 2010-04-01 FALHER A

0121 304001 2010-04-01 BLUESKY A

0121 326001 2011-10-01 GETHING A
0121 326015 2011-03-01 GETHING O
0121 326016 2010-04-01 GETHING P
0121 326021 2010-04-01 GETHING U

POOL DESIGNATION (cont'd)

0121 326022 2010-04-01	GETHING V
0121 326024 2008-02-01	GETHING X
0121 326028 2010-04-01	GETHING BB
0121 326029 2011-06-01	GETHING CC
0121 326030 2013-03-01	GETHING DD
0121 326031 2013-08-01	GETHING EE
0121 348001 2004-07-01	CADOMIN A
0121 348003 2010-04-01	CADOMIN C
0121 348005 2010-12-01	CADOMIN E
0121 348008 2010-04-01	CADOMIN H
0121 348009 2010-04-01	CADOMIN I
0121 348010 2013-03-01	CADOMIN J
0121 670001 2001-03-01	WINTERBURN A
0121 720001 2001-02-01	LEDUC A
0121 720002 2001-02-01	LEDUC B
0121 720003 2001-02-01	LEDUC C
0121 855400 2013-03-01	MFP8554 DUNVEGAN

SPACING PATTERN

SU 4352 20 Sep 2007

COMMINGLED PRODUCTION

MU 7870 24 May 2011

FIELD DESIGNATION

0122 2013-04-01 BERLAND RIVER WEST FIELD

POOL DESIGNATION

0122 176001 2009-07-01 CARDIUM A
0122 176002 2012-04-01 CARDIUM B

0122 190001 2009-07-01 DOE CREEK A

0122 192004 2012-03-01 DUNVEGAN D

0122 218001 2009-02-01 VIKING A

0122 250001 2011-04-01 UPPER MANNVILLE A

0122 264001 2009-07-01 SPIRIT RIVER A

0122 271501 2008-03-01 FALHER A

0122 326011 2011-10-01 GETHING K
0122 326013 2007-08-01 GETHING M
0122 326017 2006-07-01 GETHING Q
0122 326018 2007-08-01 GETHING R
0122 326021 2007-12-01 GETHING U
0122 326023 2010-10-01 GETHING W

0122 348003 2011-04-01 CADOMIN C
0122 348006 2006-03-01 CADOMIN F
0122 348007 2009-07-01 CADOMIN G
0122 348009 2007-12-01 CADOMIN I

0122 658002 2012-05-01 WABAMUN B

0122 855400 2010-02-01 MFP8554 DUNVEGAN

SPACING PATTERN

SU 4316	20 Jul 2006
SU 4316A	7 Dec 2006
SU 4316B	28 Mar 2007
SU 4316C	15 Jun 2007

COMMINGLED PRODUCTION

MU 7871	24 May 2011
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FIELD DESIGNATION

0123 2017-04-01 BERRY FIELD

POOL DESIGNATION

0123 126001 2001-02-01 BELLY RIVER A
0123 126002 2006-02-01 BELLY RIVER B

0123 134001 2007-10-01 BASAL BELLY RIVER A

0123 218001 2001-02-01 VIKING A
0123 218002 2001-07-01 VIKING B
0123 218003 2001-02-01 VIKING C
0123 218004 2001-02-01 VIKING D
0123 218006 2010-04-01 VIKING F
0123 218007 2001-02-01 VIKING G
0123 218008 2001-02-01 VIKING H
0123 218009 2001-02-01 VIKING I
0123 218010 2001-02-01 VIKING J
0123 218011 2010-04-01 VIKING K
0123 218012 2001-02-01 VIKING L
0123 218013 2010-04-01 VIKING M
0123 218014 2003-04-01 VIKING N
0123 218015 2001-02-01 VIKING O
0123 218016 2001-02-01 VIKING P
0123 218017 2001-02-01 VIKING Q
0123 218018 2001-02-01 VIKING R
0123 218019 2001-02-01 VIKING S
0123 218020 2001-02-01 VIKING T
0123 218022 2001-02-01 VIKING V
0123 218023 2001-02-01 VIKING W
0123 218024 2001-03-01 VIKING X
0123 218025 2001-03-01 VIKING Y
0123 218026 2003-02-01 VIKING Z
0123 218027 2003-05-01 VIKING AA
0123 218028 2003-05-01 VIKING BB
0123 218029 2013-12-01 VIKING CC

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0123 218030 2014-03-01	VIKING DD
0123 218031 2014-03-01	VIKING EE
0123 242001 2011-03-01	BASAL COLORADO A
0123 242002 2014-03-01	BASAL COLORADO B
0123 250001 2002-09-01	UPPER MANNVILLE A
0123 250002 2001-02-01	UPPER MANNVILLE B
0123 250003 2010-04-01	UPPER MANNVILLE C
0123 250008 2005-09-01	UPPER MANNVILLE H
0123 250010 2001-02-01	UPPER MANNVILLE J
0123 250013 2002-10-01	UPPER MANNVILLE M
0123 250015 2001-02-01	UPPER MANNVILLE O
0123 250016 2001-02-01	UPPER MANNVILLE P
0123 250017 2001-07-01	UPPER MANNVILLE Q
0123 250018 2005-09-01	UPPER MANNVILLE R
0123 250019 2001-02-01	UPPER MANNVILLE S
0123 250020 2001-02-01	UPPER MANNVILLE T
0123 250021 2001-02-01	UPPER MANNVILLE U
0123 250022 2015-05-01	UPPER MANNVILLE V
0123 250023 2001-02-01	UPPER MANNVILLE W
0123 250024 2001-02-01	UPPER MANNVILLE X
0123 250025 2001-02-01	UPPER MANNVILLE Y
0123 250026 2001-02-01	UPPER MANNVILLE Z
0123 250027 2001-02-01	UPPER MANNVILLE AA
0123 250028 2001-02-01	UPPER MANNVILLE BB
0123 250029 2010-04-01	UPPER MANNVILLE CC
0123 250030 2001-02-01	UPPER MANNVILLE DD
0123 250031 2010-04-01	UPPER MANNVILLE EE
0123 250032 2010-04-01	UPPER MANNVILLE FF
0123 250033 2001-02-01	UPPER MANNVILLE GG
0123 250034 2001-02-01	UPPER MANNVILLE HH
0123 250036 2001-02-01	UPPER MANNVILLE JJ
0123 250038 2005-09-01	UPPER MANNVILLE LL
0123 250039 2001-02-01	UPPER MANNVILLE MM
0123 250042 2001-02-01	UPPER MANNVILLE PP
0123 250045 2001-02-01	UPPER MANNVILLE SS
0123 250046 2001-02-01	UPPER MANNVILLE TT

POOL DESIGNATION (cont'd)

0123 250048 2001-02-01	UPPER MANNVILLE VV
0123 250049 2001-03-01	UPPER MANNVILLE WW
0123 250050 2002-02-01	UPPER MANNVILLE XX
0123 250051 2002-01-01	UPPER MANNVILLE YY
0123 250052 2002-05-01	UPPER MANNVILLE ZZ
0123 250701 2002-06-01	UPPER MANNVILLE AAA
0123 250702 2002-10-01	UPPER MANNVILLE BBB
0123 250703 2002-10-01	UPPER MANNVILLE CCC
0123 250704 2010-04-01	UPPER MANNVILLE DDD
0123 250705 2010-04-01	UPPER MANNVILLE EEE
0123 250707 2010-04-01	UPPER MANNVILLE GGG
0123 250708 2003-09-01	UPPER MANNVILLE HHH
0123 250709 2010-04-01	UPPER MANNVILLE III
0123 250710 2003-05-01	UPPER MANNVILLE JJJ
0123 250712 2003-09-01	UPPER MANNVILLE LLL
0123 250713 2003-10-01	UPPER MANNVILLE MMM
0123 250714 2003-11-01	UPPER MANNVILLE NNN
0123 250715 2003-11-01	UPPER MANNVILLE OOO
0123 250716 2004-07-01	UPPER MANNVILLE PPP
0123 250717 2004-10-01	UPPER MANNVILLE QQQ
0123 250718 2004-10-01	UPPER MANNVILLE RRR
0123 250719 2004-10-01	UPPER MANNVILLE SSS
0123 250721 2005-05-01	UPPER MANNVILLE UUU
0123 250722 2005-05-01	UPPER MANNVILLE VVV
0123 250724 2005-07-01	UPPER MANNVILLE XXX
0123 250725 2005-08-01	UPPER MANNVILLE YYY
0123 250726 2005-09-01	UPPER MANNVILLE ZZZ
0123 250727 2005-09-01	UPPER MANNVILLE A2A
0123 250728 2005-09-01	UPPER MANNVILLE B2B
0123 250729 2010-04-01	UPPER MANNVILLE C2C
0123 250730 2005-09-01	UPPER MANNVILLE D2D
0123 250731 2005-09-01	UPPER MANNVILLE E2E
0123 250732 2015-05-01	UPPER MANNVILLE F2F
0123 250733 2005-09-01	UPPER MANNVILLE G2G
0123 250734 2005-09-01	UPPER MANNVILLE H2H
0123 250735 2005-09-01	UPPER MANNVILLE I2I
0123 250736 2005-09-01	UPPER MANNVILLE J2J
0123 250737 2005-09-01	UPPER MANNVILLE K2K

POOL DESIGNATION (cont'd)

0123 250738 2005-09-01	UPPER MANNVILLE L2L
0123 250739 2005-09-01	UPPER MANNVILLE M2M
0123 250740 2005-09-01	UPPER MANNVILLE N2N
0123 250741 2005-09-01	UPPER MANNVILLE O2O
0123 250742 2005-09-01	UPPER MANNVILLE P2P
0123 250743 2005-10-01	UPPER MANNVILLE Q2Q
0123 250744 2005-10-01	UPPER MANNVILLE R2R
0123 250745 2005-10-01	UPPER MANNVILLE S2S
0123 250746 2006-07-01	UPPER MANNVILLE T2T
0123 250747 2006-02-01	UPPER MANNVILLE U2U
0123 250748 2005-10-01	UPPER MANNVILLE V2V
0123 250749 2005-10-01	UPPER MANNVILLE W2W
0123 250750 2005-10-01	UPPER MANNVILLE X2X
0123 250751 2013-12-01	UPPER MANNVILLE Y2Y
0123 250752 2005-10-01	UPPER MANNVILLE Z2Z
0123 251101 2006-03-01	UPPER MANNVILLE A3A
0123 251102 2006-05-01	UPPER MANNVILLE B3B
0123 251103 2006-08-01	UPPER MANNVILLE C3C
0123 251104 2007-09-01	UPPER MANNVILLE D3D
0123 251105 2010-04-01	UPPER MANNVILLE E3E
0123 251106 2008-10-01	UPPER MANNVILLE F3F
0123 251107 2008-09-01	UPPER MANNVILLE G3G
0123 251108 2010-04-01	UPPER MANNVILLE H3H
0123 251109 2009-10-01	UPPER MANNVILLE I3I
0123 251110 2009-10-01	UPPER MANNVILLE J3J
0123 251111 2010-04-01	UPPER MANNVILLE K3K
0123 251112 2010-05-01	UPPER MANNVILLE L3L
0123 251113 2012-07-01	UPPER MANNVILLE M3M
0123 251114 2012-09-01	UPPER MANNVILLE N3N
0123 251115 2013-04-01	UPPER MANNVILLE O3O
0123 251116 2013-05-01	UPPER MANNVILLE P3P
0123 251117 2013-05-01	UPPER MANNVILLE Q3Q
0123 251118 2014-02-01	UPPER MANNVILLE R3R
0123 251119 2014-03-01	UPPER MANNVILLE S3S
0123 251120 2014-03-01	UPPER MANNVILLE T3T
0123 310023 2012-12-01	LOWER MANNVILLE W
0123 310024 2014-03-01	LOWER MANNVILLE X

POOL DESIGNATION (cont'd)

0123 310025 2014-03-01 LOWER MANNVILLE Y
0123 644001 2007-01-01 BANFF A
0123 850200 2014-04-01 MFP8502 MED HAT

SPACING PATTERN

SU 2350 12 Oct 1995
SU 2350A 1 Oct 1996
SU 2350B 12 Nov 1996
SU 2350C 23 Mar 2000
SU 2350D 17 May 2002
SU 2350E 15 Oct 2003
SU 2350F 7 May 2004
SU 2350G 25 Aug 2004
SU 2350H 6 Sep 2005

COMMINGLED PRODUCTION

MU 6801 5 Mar 2008

COMPULSORY POOLING

P 256 31 Aug 2004
P 256A 15 May 2007
Gas
19-027-13W4M
Esprit Exploration Ltd

FIELD DESIGNATION

1006 2013-08-01 BERWYN FIELD

POOL DESIGNATION

1006 264001 2004-07-01 SPIRIT RIVER A
1006 264002 2007-12-01 SPIRIT RIVER B
1006 264003 2010-07-01 SPIRIT RIVER C
1006 264004 2010-07-01 SPIRIT RIVER D
1006 264005 2011-05-01 SPIRIT RIVER E
1006 264006 2011-05-01 SPIRIT RIVER F
1006 264007 2011-05-01 SPIRIT RIVER G
1006 264008 2011-09-01 SPIRIT RIVER H

1006 304001 2011-09-01 BLUESKY A

1006 326001 2008-01-01 GETHING A
1006 326002 2011-05-01 GETHING B

1006 524001 2004-10-01 MONTNEY A
1006 524002 2004-10-01 MONTNEY B
1006 524003 2001-02-01 MONTNEY C
1006 524004 2007-07-01 MONTNEY D
1006 524005 2007-07-01 MONTNEY E
1006 524006 2013-08-01 MONTNEY F

SPACING PATTERN

SU 3036 8 Jun 2001

COMMINGLED PRODUCTION

MU 2379 24 Sep 2001

FIELD DESIGNATION

0124 2001-02-01 BESSIE FIELD

POOL DESIGNATION

0124 266001 2007-01-01 NOTIKWIN A
0124 266002 2001-02-01 NOTIKWIN B

FIELD DESIGNATION

1008 2017-08-01 BEZANSON FIELD

POOL DESIGNATION

1008 192001 2001-02-01 DUNVEGAN A
1008 192002 2001-02-01 DUNVEGAN B
1008 192003 2010-02-01 DUNVEGAN C
1008 192004 2003-09-01 DUNVEGAN D
1008 192005 2008-06-01 DUNVEGAN E
1008 192006 2010-02-01 DUNVEGAN F

1008 232001 2001-02-01 CADOTTE A
1008 232002 2001-02-01 CADOTTE B

1008 266001 2007-08-01 NOTIKEWIN A

1008 304001 2001-03-01 BLUESKY A

1008 326001 2001-02-01 GETHING A
1008 326002 2001-02-01 GETHING B
1008 326003 2002-02-01 GETHING C
1008 326004 2010-04-01 GETHING D
1008 326005 2006-04-01 GETHING E
1008 326006 2006-10-01 GETHING F
1008 326007 2008-10-01 GETHING G

1008 348001 2010-04-01 CADOMIN A
1008 348002 2001-02-01 CADOMIN B
1008 348003 2001-02-01 CADOMIN C

1008 508001 2001-02-01 CHARLIE LAKE A
1008 508002 2010-04-01 CHARLIE LAKE B
1008 508003 2001-02-01 CHARLIE LAKE C

1008 524001 2012-07-01 MONTNEY A
1008 524002 2016-12-01 MONTNEY B

POOL DESIGNATION (cont'd)

1008 524003 2017-08-01 MONTNEY C
1008 606001 2009-08-01 KISKATINAW A
1008 606002 2011-01-01 KISKATINAW B
1008 744001 2008-06-01 BEAVERHILL LAKE A

SPACING PATTERN

SU 2954 11 Jan 2000

COMMINGLED PRODUCTION

MU 1475 4 Jun 1997

SUBSURFACE DISPOSAL SCHEMES

App 10306 2 Jun 2005
Class II
Birchcliff Energy Ltd.

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BIG ARROW FIELD
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0127 2008-02-01 BIG ARROW FIELD

POOL DESIGNATION

0127 758001 2008-02-01 SLAVE POINT A

FIELD DESIGNATION

0125 2010-06-01 BIG BEND FIELD

POOL DESIGNATION

0125 218001 2001-02-01 VIKING A
0125 218002 2001-02-01 VIKING B
0125 218003 2007-06-01 VIKING C
0125 218004 2001-02-01 VIKING D
0125 218005 2001-02-01 VIKING E
0125 218006 2001-02-01 VIKING F
0125 218007 2005-11-01 VIKING G
0125 218008 2009-01-01 VIKING H
0125 218009 2010-04-01 VIKING I
0125 218010 2010-04-01 VIKING J
0125 218011 2010-05-01 VIKING K
0125 218012 2013-12-01 VIKING L

0125 250001 2001-02-01 UPPER MANNVILLE A
0125 250002 2004-05-01 UPPER MANNVILLE B
0125 250003 2001-03-01 UPPER MANNVILLE C
0125 250004 2001-03-01 UPPER MANNVILLE D
0125 250005 2006-03-01 UPPER MANNVILLE E
0125 250006 2006-03-01 UPPER MANNVILLE F
0125 250007 2010-04-01 UPPER MANNVILLE G
0125 250008 2010-04-01 UPPER MANNVILLE H
0125 250009 2010-04-01 UPPER MANNVILLE I
0125 250010 2008-03-01 UPPER MANNVILLE J
0125 250011 2010-04-01 UPPER MANNVILLE K
0125 250013 2010-04-01 UPPER MANNVILLE M
0125 250014 2010-06-01 UPPER MANNVILLE N
0125 250015 2010-06-01 UPPER MANNVILLE O
0125 250016 2010-06-01 UPPER MANNVILLE P

0125 256002 2001-02-01 COLONY B
0125 256003 2002-09-01 COLONY C
0125 256004 2010-04-01 COLONY D

POOL DESIGNATION (cont'd)

0125 262002 2010-04-01	GRAND RAPIDS B
0125 262003 2011-04-01	GRAND RAPIDS C
0125 262004 2001-07-01	GRAND RAPIDS D
0125 262005 2010-04-01	GRAND RAPIDS E
0125 262006 2001-02-01	GRAND RAPIDS F
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0125 262009 2001-06-01	GRAND RAPIDS I
0125 262010 2011-02-01	GRAND RAPIDS J
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0125 262012 2001-02-01	GRAND RAPIDS L
0125 262014 2001-02-01	GRAND RAPIDS N
0125 262015 2010-04-01	GRAND RAPIDS O
0125 262017 2011-04-01	GRAND RAPIDS Q
0125 262018 2001-02-01	GRAND RAPIDS R
0125 262019 2010-10-01	GRAND RAPIDS S
0125 262020 2001-02-01	GRAND RAPIDS T
0125 262021 2010-04-01	GRAND RAPIDS U
0125 262022 2010-04-01	GRAND RAPIDS V
0125 262023 2001-02-01	GRAND RAPIDS W
0125 262024 2001-02-01	GRAND RAPIDS X
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0125 262035 2001-02-01	GRAND RAPIDS II
0125 262036 2001-02-01	GRAND RAPIDS JJ
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0125 262039 2017-03-01	GRAND RAPIDS MM
0125 262040 2001-02-01	GRAND RAPIDS NN
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0125 262044 2001-02-01	GRAND RAPIDS RR
0125 262045 2001-02-01	GRAND RAPIDS SS

POOL DESIGNATION (cont'd)

0125 262046 2011-03-01	GRAND RAPIDS TT
0125 262047 2001-03-01	GRAND RAPIDS UU
0125 262048 2001-02-01	GRAND RAPIDS VV
0125 262049 2011-01-01	GRAND RAPIDS WW
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0125 262534 2010-04-01	GRAND RAPIDS H2H
0125 262535 2010-04-01	GRAND RAPIDS I2I

POOL DESIGNATION (cont'd)

0125 262536 2001-02-01	GRAND RAPIDS J2J
0125 262537 2001-02-01	GRAND RAPIDS K2K
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0125 263408 2010-04-01	GRAND RAPIDS H3H
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0125 263411 2006-05-01	GRAND RAPIDS K3K
0125 263412 2007-01-01	GRAND RAPIDS L3L
0125 263413 2007-05-01	GRAND RAPIDS M3M
0125 263414 2007-05-01	GRAND RAPIDS N3N
0125 263415 2007-05-01	GRAND RAPIDS O3O
0125 263416 2007-07-01	GRAND RAPIDS P3P
0125 263417 2007-07-01	GRAND RAPIDS Q3Q
0125 263418 2007-07-01	GRAND RAPIDS R3R
0125 263419 2007-08-01	GRAND RAPIDS S3S
0125 263420 2010-04-01	GRAND RAPIDS T3T
0125 263421 2007-09-01	GRAND RAPIDS U3U
0125 263422 2007-10-01	GRAND RAPIDS V3V
0125 263423 2010-04-01	GRAND RAPIDS W3W

POOL DESIGNATION (cont'd)

0125 263424 2007-11-01	GRAND RAPIDS X3X
0125 263425 2008-01-01	GRAND RAPIDS Y3Y
0125 263426 2011-10-01	GRAND RAPIDS Z3Z
0125 263427 2008-03-01	GRAND RAPIDS A4A
0125 263428 2008-10-01	GRAND RAPIDS B4B
0125 263429 2011-02-01	GRAND RAPIDS C4C
0125 263430 2009-03-01	GRAND RAPIDS D4D
0125 263431 2008-09-01	GRAND RAPIDS E4E
0125 263432 2010-04-01	GRAND RAPIDS F4F
0125 263433 2010-04-01	GRAND RAPIDS G4G
0125 263434 2009-06-01	GRAND RAPIDS H4H
0125 263435 2010-04-01	GRAND RAPIDS I4I
0125 263436 2010-12-01	GRAND RAPIDS J4J
0125 263437 2010-05-01	GRAND RAPIDS K4K
0125 263438 2010-09-01	GRAND RAPIDS L4L
0125 263439 2011-01-01	GRAND RAPIDS M4M
0125 263440 2011-01-01	GRAND RAPIDS N4N
0125 263441 2011-01-01	GRAND RAPIDS O4O
0125 263442 2011-05-01	GRAND RAPIDS P4P
0125 263443 2012-02-01	GRAND RAPIDS Q4Q
0125 263444 2013-11-01	GRAND RAPIDS R4R
0125 263445 2013-11-01	GRAND RAPIDS S4S
0125 263446 2013-12-01	GRAND RAPIDS T4T
0125 268001 2008-06-01	MCLAREN A
0125 276001 2001-02-01	SPARKY A
0125 280001 2004-05-01	CLEARWATER A
0125 280002 2003-03-01	CLEARWATER B
0125 280003 2007-01-01	CLEARWATER C
0125 300001 2001-02-01	GLAUCONITIC A
0125 300002 2002-02-01	GLAUCONITIC B
0125 300003 2002-06-01	GLAUCONITIC C
0125 300004 2002-11-01	GLAUCONITIC D
0125 300005 2003-04-01	GLAUCONITIC E
0125 300006 2004-05-01	GLAUCONITIC F

POOL DESIGNATION (cont'd)

0125 300007 2010-04-01	GLAUCONITIC G
0125 300008 2010-04-01	GLAUCONITIC H
0125 300009 2008-03-01	GLAUCONITIC I
0125 306002 2001-02-01	WABISKAW B
0125 306003 2001-02-01	WABISKAW C
0125 306004 2007-06-01	WABISKAW D
0125 306005 2001-02-01	WABISKAW E
0125 306006 2001-02-01	WABISKAW F
0125 306007 2003-07-01	WABISKAW G
0125 306008 2007-06-01	WABISKAW H
0125 306009 2007-05-01	WABISKAW I
0125 306010 2008-03-01	WABISKAW J
0125 306011 2007-07-01	WABISKAW K
0125 306012 2007-09-01	WABISKAW L
0125 306013 2010-04-01	WABISKAW M
0125 316001 2002-10-01	OSTRACOD A
0125 316002 2001-02-01	OSTRACOD B
0125 316003 2011-04-01	OSTRACOD C
0125 316004 2001-02-01	OSTRACOD D
0125 316005 2002-02-01	OSTRACOD E
0125 316006 2011-03-01	OSTRACOD F
0125 328001 2010-04-01	MCMURRAY A
0125 328002 2010-04-01	MCMURRAY B
0125 328003 2001-02-01	MCMURRAY C
0125 328005 2010-04-01	MCMURRAY E
0125 328007 2010-04-01	MCMURRAY G
0125 328008 2010-04-01	MCMURRAY H
0125 328009 2010-04-01	MCMURRAY I
0125 328012 2001-02-01	MCMURRAY L
0125 328018 2001-02-01	MCMURRAY R
0125 328019 2001-02-01	MCMURRAY S
0125 328020 2004-05-01	MCMURRAY T
0125 328021 2003-11-01	MCMURRAY U
0125 328022 2001-02-01	MCMURRAY V
0125 328023 2010-04-01	MCMURRAY W

POOL DESIGNATION (cont'd)

0125 328025 2001-02-01	MCMURRAY Y
0125 328026 2001-02-01	MCMURRAY Z
0125 328027 2001-02-01	MCMURRAY AA
0125 328028 2010-12-01	MCMURRAY BB
0125 328029 2001-02-01	MCMURRAY CC
0125 328030 2010-04-01	MCMURRAY DD
0125 328032 2001-02-01	MCMURRAY FF
0125 328033 2010-04-01	MCMURRAY GG
0125 328035 2002-08-01	MCMURRAY II
0125 328037 2010-04-01	MCMURRAY KK
0125 328038 2010-12-01	MCMURRAY LL
0125 328039 2002-06-01	MCMURRAY MM
0125 328040 2001-02-01	MCMURRAY NN
0125 328041 2010-04-01	MCMURRAY OO
0125 328042 2001-02-01	MCMURRAY PP
0125 328043 2001-02-01	MCMURRAY QQ
0125 328045 2004-08-01	MCMURRAY SS
0125 328046 2001-02-01	MCMURRAY TT
0125 328047 2001-02-01	MCMURRAY UU
0125 328048 2001-02-01	MCMURRAY VV
0125 328049 2010-04-01	MCMURRAY WW
0125 328050 2001-02-01	MCMURRAY XX
0125 328051 2001-02-01	MCMURRAY YY
0125 328052 2010-04-01	MCMURRAY ZZ
0125 328601 2001-02-01	MCMURRAY AAA
0125 328602 2001-02-01	MCMURRAY BBB
0125 328603 2010-04-01	MCMURRAY CCC
0125 328604 2001-02-01	MCMURRAY DDD
0125 328605 2001-02-01	MCMURRAY EEE
0125 328606 2010-04-01	MCMURRAY FFF
0125 328607 2004-11-01	MCMURRAY GGG
0125 328609 2001-02-01	MCMURRAY III
0125 328610 2001-02-01	MCMURRAY JJJ
0125 328612 2001-02-01	MCMURRAY LLL
0125 328613 2001-02-01	MCMURRAY MMM
0125 328615 2001-02-01	MCMURRAY OOO
0125 328616 2011-03-01	MCMURRAY PPP
0125 328617 2001-02-01	MCMURRAY QQQ

POOL DESIGNATION (cont'd)

0125 328618 2001-02-01	MCMURRAY RRR
0125 328619 2001-02-01	MCMURRAY SSS
0125 328620 2010-04-01	MCMURRAY TTT
0125 328621 2001-02-01	MCMURRAY UUU
0125 328623 2009-03-01	MCMURRAY WWW
0125 328624 2001-02-01	MCMURRAY XXX
0125 328625 2017-03-01	MCMURRAY YYY
0125 328626 2001-02-01	MCMURRAY ZZZ
0125 328627 2001-02-01	MCMURRAY A2A
0125 328628 2001-02-01	MCMURRAY B2B
0125 328629 2010-04-01	MCMURRAY C2C
0125 328630 2001-02-01	MCMURRAY D2D
0125 328631 2001-02-01	MCMURRAY E2E
0125 328632 2001-02-01	MCMURRAY F2F
0125 328633 2003-04-01	MCMURRAY G2G
0125 328634 2001-02-01	MCMURRAY H2H
0125 328635 2001-02-01	MCMURRAY I2I
0125 328636 2001-03-01	MCMURRAY J2J
0125 328637 2003-03-01	MCMURRAY K2K
0125 328638 2003-04-01	MCMURRAY L2L
0125 328639 2003-11-01	MCMURRAY M2M
0125 328640 2004-06-01	MCMURRAY N2N
0125 328641 2004-06-01	MCMURRAY O2O
0125 328642 2005-11-01	MCMURRAY P2P
0125 328643 2009-11-01	MCMURRAY Q2Q
0125 328644 2005-11-01	MCMURRAY R2R
0125 328645 2006-03-01	MCMURRAY S2S
0125 328646 2007-02-01	MCMURRAY T2T
0125 328647 2013-09-01	MCMURRAY U2U
0125 328648 2012-05-01	MCMURRAY V2V
0125 336002 2001-02-01	ELLERSLIE B
0125 336003 2003-06-01	ELLERSLIE C
0125 336004 2001-03-01	ELLERSLIE D
0125 336005 2001-03-01	ELLERSLIE E
0125 336006 2001-03-01	ELLERSLIE F
0125 336007 2001-03-01	ELLERSLIE G
0125 336008 2010-04-01	ELLERSLIE H

POOL DESIGNATION (cont'd)

0125 336009	2010-04-01	ELLERSLIE I
0125 336010	2010-04-01	ELLERSLIE J
0125 336011	2011-02-01	ELLERSLIE K
0125 658001	2001-02-01	WABAMUN A
0125 658002	2010-04-01	WABAMUN B
0125 658003	2001-02-01	WABAMUN C
0125 658004	2001-02-01	WABAMUN D
0125 658005	2010-04-01	WABAMUN E
0125 658006	2001-02-01	WABAMUN F
0125 658008	2010-04-01	WABAMUN H
0125 658009	2001-02-01	WABAMUN I
0125 658010	2001-02-01	WABAMUN J
0125 658012	2004-07-01	WABAMUN L
0125 658013	2002-06-01	WABAMUN M
0125 680001	2001-02-01	BLUERIDGE A
0125 680002	2001-09-01	BLUERIDGE B

SPACING PATTERN

SU 2187	15 May 1995
SU 2187A	14 Dec 1995
SU 2187B	30 May 1996
SU 2187C	3 Dec 1996
SU 2187D	5 Sep 2003
SU 2187E	3 Dec 2004

COMMINGLED PRODUCTION

MU 8481	29 Apr 2013
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SUBSURFACE DISPOSAL SCHEMES

App 2799C 29 Nov 2012
Class II
Canadian Natural Resources Limited

FIELD DESIGNATION

0128 2002-04-01 BIG COULEE FIELD

POOL DESIGNATION

0128 262001 2010-04-01 GRAND RAPIDS A
0128 262002 2001-02-01 GRAND RAPIDS B
0128 262003 2001-02-01 GRAND RAPIDS C
0128 262004 2007-07-01 GRAND RAPIDS D
0128 262005 2001-02-01 GRAND RAPIDS E
0128 262006 2001-02-01 GRAND RAPIDS F
0128 262007 2004-08-01 GRAND RAPIDS G
0128 262008 2001-02-01 GRAND RAPIDS H
0128 262009 2001-02-01 GRAND RAPIDS I
0128 262010 2001-02-01 GRAND RAPIDS J
0128 262011 2001-03-01 GRAND RAPIDS K
0128 262013 2005-12-01 GRAND RAPIDS M
0128 262015 2001-02-01 GRAND RAPIDS O
0128 262016 2001-02-01 GRAND RAPIDS P
0128 262017 2001-02-01 GRAND RAPIDS Q
0128 262018 2001-02-01 GRAND RAPIDS R
0128 262019 2001-02-01 GRAND RAPIDS S
0128 262020 2001-02-01 GRAND RAPIDS T
0128 262021 2001-02-01 GRAND RAPIDS U
0128 262022 2003-04-01 GRAND RAPIDS V
0128 262023 2001-02-01 GRAND RAPIDS W
0128 262024 2001-02-01 GRAND RAPIDS X
0128 262025 2010-04-01 GRAND RAPIDS Y
0128 262026 2002-05-01 GRAND RAPIDS Z
0128 262027 2003-11-01 GRAND RAPIDS AA
0128 262028 2004-07-01 GRAND RAPIDS BB
0128 262029 2005-12-01 GRAND RAPIDS CC
0128 262030 2005-12-01 GRAND RAPIDS DD
0128 262031 2007-07-01 GRAND RAPIDS EE
0128 262032 2007-08-01 GRAND RAPIDS FF
0128 262033 2007-09-01 GRAND RAPIDS GG
0128 262034 2007-12-01 GRAND RAPIDS HH

POOL DESIGNATION (cont'd)

0128 262035 2010-04-01	GRAND RAPIDS II
0128 262036 2010-04-01	GRAND RAPIDS JJ
0128 262037 2011-04-01	GRAND RAPIDS KK
0128 262038 2012-08-01	GRAND RAPIDS LL
0128 306001 2002-05-01	WABISKAW A
0128 328001 2010-04-01	MCMURRAY A
0128 328002 2001-02-01	MCMURRAY B
0128 336001 2001-02-01	ELLERSLIE A
0128 658001 2001-02-01	WABAMUN A
0128 658002 2010-04-01	WABAMUN B
0128 658003 2001-02-01	WABAMUN C
0128 658004 2001-02-01	WABAMUN D
0128 658005 2001-06-01	WABAMUN E
0128 658006 2004-05-01	WABAMUN F
0128 658007 2008-03-01	WABAMUN G

COMMINGLED PRODUCTION

MU 7118 20 Jan 2009

FIELD DESIGNATION

0129 2011-04-01 BIGHORN FIELD

POOL DESIGNATION

0129 500001 2010-02-01 TRIASSIC A

0129 630001 2002-06-01 TURNER VALLEY A
0129 630002 2011-01-01 TURNER VALLEY B
0129 630003 2012-07-01 TURNER VALLEY C
0129 630007 2010-04-01 TURNER VALLEY G
0129 630008 2005-05-01 TURNER VALLEY H
0129 630009 2010-04-01 TURNER VALLEY I
0129 630010 2006-10-01 TURNER VALLEY J
0129 630011 2012-08-01 TURNER VALLEY K
0129 630012 2005-11-01 TURNER VALLEY L
0129 630013 2011-12-01 TURNER VALLEY M
0129 630014 2010-12-01 TURNER VALLEY N
0129 630015 2006-02-01 TURNER VALLEY O
0129 630016 2012-05-01 TURNER VALLEY P
0129 630017 2007-07-01 TURNER VALLEY Q
0129 630018 2007-10-01 TURNER VALLEY R
0129 630019 2010-04-01 TURNER VALLEY S

0129 638001 2010-04-01 ELKTON A
0129 638002 2006-07-01 ELKTON B

SPACING PATTERN

SU 2829 28 Aug 1997
SU 2829A 18 Feb 1999
SU 2829B 2 May 2003
SU 2829C 20 Jun 2003

COMMINGLED PRODUCTION

MU 7309 22 Sep 2009

FIELD DESIGNATION

0126 2014-02-01 BIGORAY FIELD

POOL DESIGNATION

0126 064001 2001-02-01 PASKAPOO A
0126 064002 2009-09-01 PASKAPOO B

0126 106002 2008-11-01 EDMONTON B
0126 106003 2009-03-01 EDMONTON C

0126 118802 2009-09-01 LOWER EDMONTON B

0126 126001 2001-02-01 BELLY RIVER A
0126 126003 2001-02-01 BELLY RIVER C
0126 126004 2001-02-01 BELLY RIVER D
0126 126005 2001-02-01 BELLY RIVER E
0126 126006 2001-02-01 BELLY RIVER F
0126 126007 2001-02-01 BELLY RIVER G
0126 126008 2001-02-01 BELLY RIVER H
0126 126009 2002-07-01 BELLY RIVER I
0126 126010 2013-02-01 BELLY RIVER J
0126 126012 2003-06-01 BELLY RIVER L
0126 126013 2003-12-01 BELLY RIVER M

0126 134001 2005-06-01 BASAL BELLY RIVER A
0126 134002 2005-06-01 BASAL BELLY RIVER B
0126 134003 2005-06-01 BASAL BELLY RIVER C

0126 176001 2001-02-01 CARDIUM A
0126 176002 2012-05-01 CARDIUM B
0126 176003 2001-02-01 CARDIUM C

0126 250001 2001-02-01 UPPER MANNVILLE A
0126 250002 2001-02-01 UPPER MANNVILLE B
0126 250003 2001-02-01 UPPER MANNVILLE C
0126 250004 2001-02-01 UPPER MANNVILLE D

POOL DESIGNATION (cont'd)

0126 250005 2001-02-01	UPPER MANNVILLE E
0126 250007 2009-09-01	UPPER MANNVILLE G
0126 300002 2001-02-01	GLAUCONITIC B
0126 300003 2001-02-01	GLAUCONITIC C
0126 300010 2001-02-01	GLAUCONITIC J
0126 300011 2001-02-01	GLAUCONITIC K
0126 300012 2001-02-01	GLAUCONITIC L
0126 300013 2010-04-01	GLAUCONITIC M
0126 300014 2010-04-01	GLAUCONITIC N
0126 300015 2001-03-01	GLAUCONITIC O
0126 300016 2001-08-01	GLAUCONITIC P
0126 300017 2003-02-01	GLAUCONITIC Q
0126 310001 2013-05-01	LOWER MANNVILLE A
0126 312000 2004-01-01	OSTRACOD
0126 312002 2001-02-01	OSTRACOD B
0126 312003 2001-02-01	OSTRACOD C
0126 312004 2010-04-01	OSTRACOD D
0126 312005 2001-02-01	OSTRACOD E
0126 312006 2001-02-01	OSTRACOD F
0126 312007 2010-04-01	OSTRACOD G
0126 312009 2001-02-01	OSTRACOD I
0126 312010 2001-02-01	OSTRACOD J
0126 312011 2001-02-01	OSTRACOD K
0126 312013 2001-02-01	OSTRACOD M
0126 312014 2001-02-01	OSTRACOD N
0126 312015 2001-02-01	OSTRACOD O
0126 312016 2004-01-01	OSTRACOD P
0126 312017 2009-03-01	OSTRACOD Q
0126 312018 2009-09-01	OSTRACOD R
0126 312020 2013-05-01	OSTRACOD T
0126 336001 2001-02-01	ELLERSLIE A
0126 336002 2001-02-01	ELLERSLIE B
0126 336004 2001-07-01	ELLERSLIE D
0126 336010 2001-02-01	ELLERSLIE J

POOL DESIGNATION (cont'd)

0126 336012 2010-04-01	ELLERSLIE L
0126 336201 2010-04-01	ELLERSLIE-ROCK CK A
0126 432001 2001-02-01	ROCK CREEK A
0126 432002 2001-02-01	ROCK CREEK B
0126 432003 2001-02-01	ROCK CREEK C
0126 432004 2008-03-01	ROCK CREEK D
0126 444001 2001-10-01	NORDEGG A
0126 444002 2010-04-01	NORDEGG B
0126 444003 2002-04-01	NORDEGG C
0126 642001 2010-04-01	PEKISKO A
0126 642006 2001-02-01	PEKISKO F
0126 642007 2013-05-01	PEKISKO G
0126 680001 2002-08-01	BLUERIDGE A
0126 696001 2001-02-01	NISKU A
0126 696002 2001-02-01	NISKU B
0126 696003 2001-02-01	NISKU C
0126 696004 2001-02-01	NISKU D
0126 696005 2001-02-01	NISKU E
0126 696006 2001-02-01	NISKU F
0126 696007 2010-04-01	NISKU G
0126 696008 2001-02-01	NISKU H
0126 696009 2010-04-01	NISKU I
0126 696011 2001-02-01	NISKU K
0126 851000 2014-12-01	MFP8510 GLAUCONITIC

SPACING PATTERN

SU 3006 31 Oct 2000
 SU 3006A 9 Nov 2000
 SU 3006B 4 Jul 2001
 SU 3006C 15 Jun 2007
 SU 3006D 18 Oct 2007

COMMINGLED PRODUCTION

MU 8821 14 Sep 2017

ENHANCED RECOVERY SCHEMES

App 2983D 6 Oct 2017
 Waterflood
 Nisku A
 Obsidian Energy Ltd.

App 3022D 6 Oct 2017
 Waterflood
 Nisku G
 Obsidian Energy Ltd.

App 3433F 6 Oct 2017
 Waterflood
 Nisku H
 Obsidian Energy Ltd.

App 6332C 6 Oct 2017
 Waterflood
 Nisku K
 Obsidian Energy Ltd.

App 6641D 2 May 2014
 Chemical
 Nisku B
 Penn West Petroleum Ltd.

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

App 10036D 6 Oct 2017
 Waterflood
 Nisku D
 Obsidian Energy Ltd.

App 10080F 6 Oct 2017
 Waterflood
 Ostracod
 Obsidian Energy Ltd.

CONCURRENT PRODUCTION

App 2665 20 Apr 1978
 Pekisko A
 Amoco Canada Petroleum Company Ltd.

SUBSURFACE DISPOSAL SCHEMES

App 4155B 1 Nov 2011
 Class II
 Penn West Petroleum Ltd.

App 5971C 1 Nov 2011
 Class II
 Penn West Petroleum Ltd.

App 9371C 12 Sep 2017
 Class II
 Obsidian Energy Ltd.

App 7715 28 Feb 1996

App 7715A 29 Nov 2004

SUBSURFACE DISPOSAL SCHEMES
(cont'd)

App 7715B 17 Apr 2006
Class Ib disposal scheme
Keyera Energy Ltd.

FIELD DESIGNATION

0130 2017-12-01 BIGSTONE FIELD

POOL DESIGNATION

0130 176002 2010-04-01 CARDIUM B

0130 176005 2008-05-01 CARDIUM E

0130 176006 2010-04-01 CARDIUM F

0130 176007 2009-07-01 CARDIUM G

0130 186001 2001-02-01 SECOND WHITE SPECKS A

0130 192002 2012-04-01 DUNVEGAN B

0130 192004 2001-02-01 DUNVEGAN D

0130 192007 2001-02-01 DUNVEGAN G

0130 192009 2013-04-01 DUNVEGAN I

0130 232002 2010-04-01 CADOTTE B

0130 250001 2003-11-01 UPPER MANNVILLE A

0130 250002 2010-04-01 UPPER MANNVILLE B

0130 250003 2010-04-01 UPPER MANNVILLE C

0130 250005 2008-01-01 UPPER MANNVILLE E

0130 250006 2012-10-01 UPPER MANNVILLE F

0130 250007 2013-07-01 UPPER MANNVILLE G

0130 304002 2012-05-01 BLUESKY B

0130 304004 2010-04-01 BLUESKY D

0130 304006 2009-05-01 BLUESKY F

0130 326001 2007-08-01 GETHING A

0130 326006 2001-02-01 GETHING F

0130 326008 2008-03-01 GETHING H

0130 326010 2010-04-01 GETHING J

0130 326017 2005-11-01 GETHING Q

0130 326028 2011-03-01 GETHING BB

POOL DESIGNATION (cont'd)

0130 524003 2013-08-01 MONTNEY C

0130 720001 2012-05-01 D-3 A
0130 720003 2002-07-01 D-3 C

0130 857700 2017-12-01 MFP8577 CADOMIN

SPACING PATTERN

SU 4209 21 Jul 2004
SU 4209A 16 Aug 2004
SU 4209B 18 Mar 2005
SU 4209C 5 Aug 2005
SU 4209D 17 Oct 2005
SU 4209E 5 Apr 2006
SU 4209F 24 Oct 2006
SU 4209G 15 Aug 2007

COMMINGLED PRODUCTION

MU 7664 5 Jan 2011

SUBSURFACE DISPOSAL SCHEMES

App 11014B 20 Oct 2017
Class Ib
Sprocket Energy Corporation

FIELD DESIGNATION

0086 2010-11-01 BILAWCHUK FIELD

POOL DESIGNATION

0086 304001 2005-11-01 BLUESKY A
0086 304002 2005-11-01 BLUESKY B

0086 348001 2006-02-01 CADOMIN A

0086 506001 2010-01-01 BALDONNEL A

0086 508001 2010-04-01 CHARLIE LAKE A
0086 508002 2015-04-01 CHARLIE LAKE B
0086 508003 2007-07-01 CHARLIE LAKE C
0086 508004 2009-01-01 CHARLIE LAKE D
0086 508005 2009-01-01 CHARLIE LAKE E

0086 516001 2001-02-01 HALFWAY A

COMMINGLED PRODUCTION

MU 4925 29 Nov 2005

FIELD DESIGNATION

0140 2008-11-01 BINDLOSS FIELD

POOL DESIGNATION

0140 126002 2001-02-01 BELLY RIVER B

0140 134001 2010-04-01 BASAL BELLY RIVER A
0140 134002 2005-04-01 BASAL BELLY RIVER B

0140 160001 2010-12-01 COLORADO A

0140 162001 2010-12-01 FIRST WHITE SPECKS A

0140 186001 2007-11-01 SECOND WHITE SPECKS A
0140 186002 2009-08-01 SECOND WHITE SPECKS B

0140 202001 2015-02-01 FISH SCALE A
0140 202004 2010-04-01 FISH SCALE D
0140 202005 2008-05-01 FISH SCALE E
0140 202006 2010-02-01 FISH SCALE F
0140 202007 2010-06-01 FISH SCALE G
0140 202008 2010-07-01 FISH SCALE H
0140 202009 2012-03-01 FISH SCALE I

0140 218001 2010-04-01 VIKING A
0140 218002 2001-02-01 VIKING B
0140 218003 2001-02-01 VIKING C
0140 218004 2001-02-01 VIKING D
0140 218005 2005-01-01 VIKING E
0140 218006 2001-02-01 VIKING F
0140 218008 2001-02-01 VIKING H
0140 218009 2001-02-01 VIKING I
0140 218010 2001-02-01 VIKING J
0140 218011 2001-02-01 VIKING K
0140 218012 2001-02-01 VIKING L
0140 218013 2001-02-01 VIKING M

POOL DESIGNATION (cont'd)

0140 218014 2001-02-01	VIKING N
0140 218015 2001-02-01	VIKING O
0140 218016 2013-04-01	VIKING P
0140 218017 2001-12-01	VIKING Q
0140 218018 2005-09-01	VIKING R
0140 218019 2003-03-01	VIKING S
0140 218020 2006-03-01	VIKING T
0140 218022 2010-04-01	VIKING V
0140 218023 2006-03-01	VIKING W
0140 218024 2006-11-01	VIKING X
0140 218025 2008-02-01	VIKING Y
0140 218026 2014-01-01	VIKING Z
0140 242001 2001-02-01	BASAL COLORADO A
0140 242002 2001-02-01	BASAL COLORADO B
0140 242003 2001-02-01	BASAL COLORADO C
0140 242004 2001-04-01	BASAL COLORADO D
0140 242005 2006-06-01	BASAL COLORADO E
0140 242006 2006-06-01	BASAL COLORADO F
0140 242007 2010-12-01	BASAL COLORADO G
0140 248016 2013-05-01	MANNVILLE P
0140 250001 2001-03-01	UPPER MANNVILLE A
0140 250002 2001-10-01	UPPER MANNVILLE B
0140 250003 2003-07-01	UPPER MANNVILLE C
0140 250004 2010-04-01	UPPER MANNVILLE D
0140 250005 2005-03-01	UPPER MANNVILLE E
0140 250006 2010-04-01	UPPER MANNVILLE F
0140 250007 2005-10-01	UPPER MANNVILLE G
0140 250008 2006-05-01	UPPER MANNVILLE H
0140 250009 2007-01-01	UPPER MANNVILLE I
0140 250010 2010-04-01	UPPER MANNVILLE J
0140 250011 2008-03-01	UPPER MANNVILLE K
0140 250012 2008-09-01	UPPER MANNVILLE L
0140 250013 2008-09-01	UPPER MANNVILLE M
0140 250014 2010-01-01	UPPER MANNVILLE N
0140 250015 2010-04-01	UPPER MANNVILLE O

POOL DESIGNATION (cont'd)

0140 256001	2001-02-01	COLONY A
0140 256002	2014-01-01	COLONY B
0140 256003	2005-02-01	COLONY C
0140 300001	2001-02-01	GLAUCONITIC A
0140 300002	2001-02-01	GLAUCONITIC B
0140 300003	2001-02-01	GLAUCONITIC C
0140 300004	2001-02-01	GLAUCONITIC D
0140 300005	2001-04-01	GLAUCONITIC E
0140 300007	2012-04-01	GLAUCONITIC G
0140 300008	2006-05-01	GLAUCONITIC H
0140 300010	2006-05-01	GLAUCONITIC J
0140 300011	2006-05-01	GLAUCONITIC K
0140 300012	2006-05-01	GLAUCONITIC L
0140 300013	2006-12-01	GLAUCONITIC M
0140 300014	2013-05-01	GLAUCONITIC N
0140 300015	2013-05-01	GLAUCONITIC O
0140 310001	2001-02-01	LOWER MANNVILLE A
0140 310002	2001-02-01	LOWER MANNVILLE B
0140 310003	2010-04-01	LOWER MANNVILLE C
0140 310004	2007-04-01	LOWER MANNVILLE D
0140 310005	2010-04-01	LOWER MANNVILLE E
0140 310006	2007-04-01	LOWER MANNVILLE F
0140 310007	2008-06-01	LOWER MANNVILLE G
0140 310008	2008-01-01	LOWER MANNVILLE H
0140 310009	2001-04-01	LOWER MANNVILLE I
0140 310010	2005-02-01	LOWER MANNVILLE J
0140 310011	2001-12-01	LOWER MANNVILLE K
0140 310012	2008-01-01	LOWER MANNVILLE L
0140 310013	2003-05-01	LOWER MANNVILLE M
0140 310014	2003-11-01	LOWER MANNVILLE N
0140 310015	2004-09-01	LOWER MANNVILLE O
0140 310016	2005-09-01	LOWER MANNVILLE P
0140 310017	2005-02-01	LOWER MANNVILLE Q
0140 310018	2005-02-01	LOWER MANNVILLE R
0140 310019	2005-05-01	LOWER MANNVILLE S
0140 310022	2005-11-01	LOWER MANNVILLE V

POOL DESIGNATION (cont'd)

0140 310023 2005-11-01	LOWER MANNVILLE W
0140 310024 2006-03-01	LOWER MANNVILLE X
0140 310025 2005-10-01	LOWER MANNVILLE Y
0140 310026 2005-10-01	LOWER MANNVILLE Z
0140 310028 2006-01-01	LOWER MANNVILLE BB
0140 310030 2008-06-01	LOWER MANNVILLE DD
0140 310031 2006-05-01	LOWER MANNVILLE EE
0140 310032 2006-05-01	LOWER MANNVILLE FF
0140 310033 2006-05-01	LOWER MANNVILLE GG
0140 310034 2010-04-01	LOWER MANNVILLE HH
0140 310036 2006-05-01	LOWER MANNVILLE JJ
0140 310037 2006-05-01	LOWER MANNVILLE KK
0140 310038 2006-05-01	LOWER MANNVILLE LL
0140 310039 2006-05-01	LOWER MANNVILLE MM
0140 310045 2007-05-01	LOWER MANNVILLE SS
0140 310046 2007-08-01	LOWER MANNVILLE TT
0140 310047 2007-08-01	LOWER MANNVILLE UU
0140 310048 2008-01-01	LOWER MANNVILLE VV
0140 310049 2008-02-01	LOWER MANNVILLE WW
0140 310050 2008-06-01	LOWER MANNVILLE XX
0140 310051 2008-06-01	LOWER MANNVILLE YY
0140 310052 2008-06-01	LOWER MANNVILLE ZZ
0140 310101 2008-06-01	LOWER MANNVILLE AAA
0140 310102 2008-06-01	LOWER MANNVILLE BBB
0140 310103 2008-06-01	LOWER MANNVILLE CCC
0140 310104 2009-08-01	LOWER MANNVILLE DDD
0140 310105 2009-08-01	LOWER MANNVILLE EEE
0140 310106 2010-05-01	LOWER MANNVILLE FFF
0140 644001 2001-02-01	BANFF A
0140 644002 2001-02-01	BANFF B
0140 644003 2001-02-01	BANFF C
0140 644004 2001-02-01	BANFF D
0140 644005 2014-01-01	BANFF E
0140 644006 2001-04-01	BANFF F
0140 644007 2001-04-01	BANFF G
0140 644008 2001-04-01	BANFF H
0140 644009 2003-11-01	BANFF I

POOL DESIGNATION (cont'd)

0140 644010 2008-10-01	BANFF J
0140 644011 2010-02-01	BANFF K
0140 850100 2010-04-01	MFP8501 MILK RIVER
0140 850200 2010-08-01	MFP8502 MED HAT

SPACING PATTERN

SU 4127	19 Nov 2003
SU 4127A	7 May 2004
SU 4127B	9 Jul 2004
SU 4127C	23 Jul 2004
SU 4127D	17 Sep 2004
SU 4127E	9 Apr 2005
SU 4127F	29 Aug 2005
SU 4127G	19 Jan 2006
SU 4127H	13 Mar 2006
SU 4127I	5 Jun 2006
SU 4127J	16 Oct 2007

COMMINGLED PRODUCTION

MU 7577	27 Oct 2010
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SUBSURFACE DISPOSAL SCHEMES

App 3803A 2 Nov 2011
Class II
Placer Development Limited

FIELD DESIGNATION

0141 2014-03-01 BIRCH FIELD

POOL DESIGNATION

0141 160001 2011-03-01 COLORADO A

0141 160002 2014-03-01 COLORADO B

0141 202001 2005-05-01 FISH SCALE A

0141 218002 2001-02-01 VIKING B

0141 218003 2001-02-01 VIKING C

0141 218005 2015-03-01 VIKING E

0141 218006 2010-04-01 VIKING F

0141 218007 2006-02-01 VIKING G

0141 218008 2010-04-01 VIKING H

0141 218009 2007-07-01 VIKING I

0141 218010 2011-03-01 VIKING J

0141 218011 2012-07-01 VIKING K

0141 218012 2013-03-01 VIKING L

0141 218013 2013-07-01 VIKING M

0141 218602 2014-03-01 UPPER & MIDDLE VIK B

0141 250002 2006-01-01 UPPER MANNVILLE B

0141 250003 2002-04-01 UPPER MANNVILLE C

0141 250005 2001-02-01 UPPER MANNVILLE E

0141 250008 2001-02-01 UPPER MANNVILLE H

0141 250009 2001-02-01 UPPER MANNVILLE I

0141 250011 2001-02-01 UPPER MANNVILLE K

0141 250012 2001-02-01 UPPER MANNVILLE L

0141 250013 2001-02-01 UPPER MANNVILLE M

0141 250014 2001-02-01 UPPER MANNVILLE N

0141 250015 2001-02-01 UPPER MANNVILLE O

0141 250016 2011-01-01 UPPER MANNVILLE P

0141 250017 2001-02-01 UPPER MANNVILLE Q

0141 250018 2010-04-01 UPPER MANNVILLE R

POOL DESIGNATION (cont'd)

0141 250019	2001-02-01	UPPER MANNVILLE S
0141 250020	2001-02-01	UPPER MANNVILLE T
0141 250021	2011-01-01	UPPER MANNVILLE U
0141 250022	2001-02-01	UPPER MANNVILLE V
0141 250023	2011-01-01	UPPER MANNVILLE W
0141 250024	2001-02-01	UPPER MANNVILLE X
0141 250025	2001-02-01	UPPER MANNVILLE Y
0141 250026	2001-02-01	UPPER MANNVILLE Z
0141 250027	2001-02-01	UPPER MANNVILLE AA
0141 250029	2001-02-01	UPPER MANNVILLE CC
0141 250030	2001-02-01	UPPER MANNVILLE DD
0141 250031	2001-02-01	UPPER MANNVILLE EE
0141 250032	2001-02-01	UPPER MANNVILLE FF
0141 250033	2009-05-01	UPPER MANNVILLE GG
0141 250034	2001-02-01	UPPER MANNVILLE HH
0141 250035	2005-12-01	UPPER MANNVILLE II
0141 250036	2005-12-01	UPPER MANNVILLE JJ
0141 250038	2001-02-01	UPPER MANNVILLE LL
0141 250039	2001-02-01	UPPER MANNVILLE MM
0141 250040	2001-02-01	UPPER MANNVILLE NN
0141 250043	2001-02-01	UPPER MANNVILLE QQ
0141 250044	2010-04-01	UPPER MANNVILLE RR
0141 250045	2001-02-01	UPPER MANNVILLE SS
0141 250046	2001-02-01	UPPER MANNVILLE TT
0141 250047	2001-02-01	UPPER MANNVILLE UU
0141 250048	2001-02-01	UPPER MANNVILLE VV
0141 250049	2001-02-01	UPPER MANNVILLE WW
0141 250050	2005-04-01	UPPER MANNVILLE XX
0141 250051	2010-04-01	UPPER MANNVILLE YY
0141 250052	2004-04-01	UPPER MANNVILLE ZZ
0141 250701	2001-12-01	UPPER MANNVILLE AAA
0141 250702	2001-12-01	UPPER MANNVILLE BBB
0141 250703	2003-05-01	UPPER MANNVILLE CCC
0141 250704	2004-02-01	UPPER MANNVILLE DDD
0141 250705	2004-05-01	UPPER MANNVILLE EEE
0141 250706	2004-05-01	UPPER MANNVILLE FFF
0141 250707	2005-04-01	UPPER MANNVILLE GGG
0141 250708	2006-01-01	UPPER MANNVILLE HHH

POOL DESIGNATION (cont'd)

0141 250709 2007-07-01	UPPER MANNVILLE III
0141 250710 2010-04-01	UPPER MANNVILLE JJJ
0141 250711 2007-07-01	UPPER MANNVILLE KKK
0141 250712 2010-04-01	UPPER MANNVILLE LLL
0141 250713 2007-07-01	UPPER MANNVILLE MMM
0141 250714 2009-07-01	UPPER MANNVILLE NNN
0141 250715 2010-04-01	UPPER MANNVILLE OOO
0141 250716 2010-04-01	UPPER MANNVILLE PPP
0141 250717 2010-04-01	UPPER MANNVILLE QQQ
0141 250718 2010-05-01	UPPER MANNVILLE RRR
0141 250719 2011-02-01	UPPER MANNVILLE SSS
0141 250720 2011-05-01	UPPER MANNVILLE TTT
0141 250721 2011-10-01	UPPER MANNVILLE UUU
0141 250722 2012-07-01	UPPER MANNVILLE VVV
0141 250723 2013-05-01	UPPER MANNVILLE WWW
0141 250724 2013-10-01	UPPER MANNVILLE XXX
0141 250725 2013-10-01	UPPER MANNVILLE YYY
0141 250726 2014-03-01	UPPER MANNVILLE ZZZ
0141 250727 2014-03-01	UPPER MANNVILLE A2A
0141 250728 2014-03-01	UPPER MANNVILLE B2B
0141 250729 2014-03-01	UPPER MANNVILLE C2C
0141 250730 2014-03-01	UPPER MANNVILLE D2D
0141 250731 2014-03-01	UPPER MANNVILLE E2E
0141 286001 2012-02-01	GENERAL PETROLEUM A
0141 286002 2001-02-01	GENERAL PETROLEUM B
0141 286003 2008-05-01	GENERAL PETROLEUM C
0141 286004 2010-04-01	GENERAL PETROLEUM D
0141 286005 2013-10-01	GENERAL PETROLEUM E
0141 300001 2001-02-01	GLAUCONITIC A
0141 310001 2010-04-01	LOWER MANNVILLE A
0141 310002 2001-02-01	LOWER MANNVILLE B
0141 310003 2001-02-01	LOWER MANNVILLE C
0141 310004 2001-02-01	LOWER MANNVILLE D
0141 310005 2001-02-01	LOWER MANNVILLE E
0141 310006 2001-02-01	LOWER MANNVILLE F

POOL DESIGNATION (cont'd)

0141 310008 2010-04-01 LOWER MANNVILLE H
0141 310009 2002-09-01 LOWER MANNVILLE I
0141 310010 2003-02-01 LOWER MANNVILLE J
0141 310011 2005-01-01 LOWER MANNVILLE K
0141 310012 2007-07-01 LOWER MANNVILLE L
0141 310013 2010-05-01 LOWER MANNVILLE M
0141 310014 2014-03-01 LOWER MANNVILLE N

0141 696001 2001-02-01 NISKU A
0141 696002 2007-01-01 NISKU B
0141 696003 2001-02-01 NISKU C
0141 696004 2001-02-01 NISKU D
0141 696005 2010-04-01 NISKU E

0141 708002 2001-02-01 CAMROSE B
0141 708003 2001-02-01 CAMROSE C
0141 708004 2001-02-01 CAMROSE D

0141 851800 2008-07-01 MFP8518 U&M VIKING

SPACING PATTERN

SU 2222 6 Jun 1995

COMMINGLED PRODUCTION

MU 6402 31 Jan 2007

SUBSURFACE DISPOSAL SCHEMES

App 2630D 16 Mar 2017
Class II
Sequoia Resources Corp.

FIELD DESIGNATION

0132 2006-01-01 BISON LAKE FIELD

POOL DESIGNATION

0132 304001 2012-05-01 BLUESKY A

0132 326001 2010-04-01 GETHING A

0132 326002 2008-11-01 GETHING B

0132 658001 2001-12-01 WABAMUN A

0132 658002 2006-01-01 WABAMUN B

0132 765501 2008-06-01 GILWOOD A

SPACING PATTERN

SU 2594 22 Feb 1996

SUBSURFACE DISPOSAL SCHEMES

App 9067A 9 Nov 2011
Class II
Lone Pine Resources Canada Ltd.

FIELD DESIGNATION

0142 2008-10-01 BISTCHO FIELD

POOL DESIGNATION

0142 758001 2001-02-01 SLAVE POINT A
0142 758002 2001-03-01 SLAVE POINT B
0142 758004 2012-04-01 SLAVE POINT D
0142 758005 2017-04-01 SLAVE POINT E
0142 758006 2010-04-01 SLAVE POINT F
0142 758007 2001-03-01 SLAVE POINT G
0142 758008 2002-03-01 SLAVE POINT H
0142 758009 2002-04-01 SLAVE POINT I
0142 758010 2010-04-01 SLAVE POINT J
0142 758011 2004-01-01 SLAVE POINT K
0142 758012 2008-06-01 SLAVE POINT L

0142 767501 2008-06-01 SULPHUR POINT A
0142 767502 2010-04-01 SULPHUR POINT B
0142 767503 2008-06-01 SULPHUR POINT C
0142 767504 2012-04-01 SULPHUR POINT D
0142 767505 2008-06-01 SULPHUR POINT E
0142 767506 2008-06-01 SULPHUR POINT F
0142 767507 2012-04-01 SULPHUR POINT G
0142 767508 2008-06-01 SULPHUR POINT H
0142 767509 2008-06-01 SULPHUR POINT I
0142 767510 2008-06-01 SULPHUR POINT J
0142 767511 2008-06-01 SULPHUR POINT K
0142 767513 2010-04-01 SULPHUR POINT M
0142 767514 2008-06-01 SULPHUR POINT N
0142 767515 2008-06-01 SULPHUR POINT O
0142 767516 2008-06-01 SULPHUR POINT P
0142 767517 2008-06-01 SULPHUR POINT Q
0142 767518 2008-06-01 SULPHUR POINT R
0142 767519 2008-06-01 SULPHUR POINT S
0142 767520 2008-06-01 SULPHUR POINT T
0142 767521 2008-06-01 SULPHUR POINT U

POOL DESIGNATION (cont'd)

0142 767522 2008-06-01	SULPHUR POINT V
0142 767523 2008-06-01	SULPHUR POINT W
0142 767524 2010-04-01	SULPHUR POINT X
0142 767525 2008-06-01	SULPHUR POINT Y
0142 767526 2008-06-01	SULPHUR POINT Z
0142 767527 2008-06-01	SULPHUR POINT AA
0142 767528 2009-03-01	SULPHUR POINT BB
0142 767529 2009-03-01	SULPHUR POINT CC
0142 767530 2009-04-01	SULPHUR POINT DD
0142 767531 2009-02-01	SULPHUR POINT EE

SPACING PATTERN

SU 2593 20 Feb 1996

COMMINGLED PRODUCTION

MU 6573 14 May 2007

SUBSURFACE DISPOSAL SCHEMES

App 8511B 5 Nov 2014
Class III Acid Gas
Strategic Oil & Gas Ltd.

App 10758B 12 Aug 2015
Class II
Strategic Oil & Gas Ltd.

FIELD DESIGNATION

0143 2011-04-01 BITTERN LAKE FIELD

POOL DESIGNATION

0143 106002 2006-04-01 EDMONTON B
0143 106003 2006-05-01 EDMONTON C

0143 118801 2006-10-01 LOWER EDMONTON A

0143 126001 2001-06-01 BELLY RIVER A
0143 126002 2014-01-01 BELLY RIVER B
0143 126003 2008-09-01 BELLY RIVER C
0143 126004 2009-03-01 BELLY RIVER D
0143 126005 2011-06-01 BELLY RIVER E
0143 126006 2011-08-01 BELLY RIVER F
0143 126007 2014-02-01 BELLY RIVER G
0143 126008 2014-02-01 BELLY RIVER H

0143 134001 2007-10-01 BASAL BELLY RIVER A
0143 134002 2014-02-01 BASAL BELLY RIVER B

0143 218002 2001-02-01 VIKING B
0143 218003 2010-04-01 VIKING C
0143 218004 2004-05-01 VIKING D

0143 250001 2004-04-01 UPPER MANNVILLE A
0143 250002 2010-04-01 UPPER MANNVILLE B
0143 250003 2008-03-01 UPPER MANNVILLE C
0143 250004 2008-05-01 UPPER MANNVILLE D

0143 300001 2001-02-01 GLAUCONITIC A
0143 300003 2001-02-01 GLAUCONITIC C
0143 300004 2002-10-01 GLAUCONITIC D
0143 300005 2001-02-01 GLAUCONITIC E
0143 300007 2001-02-01 GLAUCONITIC G
0143 300008 2010-04-01 GLAUCONITIC H

POOL DESIGNATION (cont'd)

0143 300009	2001-02-01	GLAUCONITIC I
0143 300011	2001-02-01	GLAUCONITIC K
0143 300013	2006-07-01	GLAUCONITIC M
0143 300017	2001-02-01	GLAUCONITIC Q
0143 300018	2001-02-01	GLAUCONITIC R
0143 300019	2001-02-01	GLAUCONITIC S
0143 300020	2001-02-01	GLAUCONITIC T
0143 300021	2001-02-01	GLAUCONITIC U
0143 300022	2001-02-01	GLAUCONITIC V
0143 300023	2010-04-01	GLAUCONITIC W
0143 300024	2001-02-01	GLAUCONITIC X
0143 300025	2004-01-01	GLAUCONITIC Y
0143 300026	2001-02-01	GLAUCONITIC Z
0143 300027	2001-02-01	GLAUCONITIC AA
0143 300028	2001-02-01	GLAUCONITIC BB
0143 300029	2001-02-01	GLAUCONITIC CC
0143 300030	2001-02-01	GLAUCONITIC DD
0143 300031	2001-02-01	GLAUCONITIC EE
0143 300032	2001-02-01	GLAUCONITIC FF
0143 300033	2001-02-01	GLAUCONITIC GG
0143 300034	2001-02-01	GLAUCONITIC HH
0143 300035	2001-02-01	GLAUCONITIC II
0143 300036	2001-02-01	GLAUCONITIC JJ
0143 300037	2001-02-01	GLAUCONITIC KK
0143 300038	2001-02-01	GLAUCONITIC LL
0143 300039	2001-02-01	GLAUCONITIC MM
0143 300040	2001-02-01	GLAUCONITIC NN
0143 300041	2001-02-01	GLAUCONITIC OO
0143 300042	2001-02-01	GLAUCONITIC PP
0143 300043	2001-02-01	GLAUCONITIC QQ
0143 300044	2001-08-01	GLAUCONITIC RR
0143 300045	2001-12-01	GLAUCONITIC SS
0143 300046	2007-05-01	GLAUCONITIC TT
0143 300047	2007-08-01	GLAUCONITIC UU
0143 300048	2007-07-01	GLAUCONITIC VV
0143 300049	2007-07-01	GLAUCONITIC WW
0143 300050	2011-01-01	GLAUCONITIC XX

POOL DESIGNATION (cont'd)

0143 310001 2004-01-01	LOWER MANNVILLE A
0143 336003 2001-02-01	ELLERSLIE C
0143 336004 2001-02-01	ELLERSLIE D
0143 336005 2001-02-01	ELLERSLIE E
0143 336006 2001-02-01	ELLERSLIE F
0143 336007 2001-02-01	ELLERSLIE G
0143 336008 2001-02-01	ELLERSLIE H
0143 336009 2001-02-01	ELLERSLIE I
0143 336010 2001-02-01	ELLERSLIE J
0143 336011 2001-02-01	ELLERSLIE K
0143 336012 2001-02-01	ELLERSLIE L
0143 336013 2001-02-01	ELLERSLIE M
0143 336014 2001-02-01	ELLERSLIE N
0143 336015 2001-02-01	ELLERSLIE O
0143 336016 2001-02-01	ELLERSLIE P
0143 336017 2001-02-01	ELLERSLIE Q
0143 336018 2001-02-01	ELLERSLIE R
0143 336019 2001-02-01	ELLERSLIE S
0143 336020 2001-04-01	ELLERSLIE T
0143 336021 2001-06-01	ELLERSLIE U
0143 336022 2001-06-01	ELLERSLIE V
0143 336023 2001-06-01	ELLERSLIE W
0143 336024 2001-06-01	ELLERSLIE X
0143 336025 2002-05-01	ELLERSLIE Y
0143 336026 2002-06-01	ELLERSLIE Z
0143 336027 2002-12-01	ELLERSLIE AA
0143 336028 2014-03-01	ELLERSLIE BB
0143 336029 2004-02-01	ELLERSLIE CC
0143 336030 2005-06-01	ELLERSLIE DD
0143 336031 2006-01-01	ELLERSLIE EE
0143 336032 2006-07-01	ELLERSLIE FF
0143 336033 2007-01-01	ELLERSLIE GG
0143 336034 2008-09-01	ELLERSLIE HH
0143 336035 2007-07-01	ELLERSLIE II
0143 336036 2007-09-01	ELLERSLIE JJ
0143 336037 2010-09-01	ELLERSLIE KK

POOL DESIGNATION (cont'd)

0143 350001 2001-02-01 DETRITAL A

0143 696001 2001-02-01 NISKU A

0143 696002 2013-05-01 NISKU B

SPACING PATTERN

SU 2226 6 Jun 1995

SU 2226A 21 Jul 2004

SU 2226B 24 Sep 2004

SU 2226C 16 Aug 2005

SU 2226D 7 Mar 2006

SU 2226E 13 Apr 2006

COMPULSORY POOLING (cont'd)

P 279 10 Jun 2005

Gas

26-046-21W4M

Grand Banks Energy Corporation

P 421 17 Mar 2011

Gas

31-045-20W4M

Canadian Natural Resources Limited

COMMINGLED PRODUCTION

MU 4752 28 Oct 2005

SUBSURFACE DISPOSAL SCHEMES

App 7600A 5 Mar 2015

Class II

Ceiba Energy Services Inc.

App 12216A 3 Nov 2015

Class II

Rife Resources Ltd.

COMPULSORY POOLING

P 168 7 Apr 1998

Gas

33-045-20 W4M

Canadian Natural Resources Limited

FIELD DESIGNATION

0144 2012-06-01 BLACK FIELD

POOL DESIGNATION

0144 304002 2010-04-01 BLUESKY B
0144 304003 2012-04-01 BLUESKY C

0144 644003 2008-06-01 BANFF C

0144 702001 2008-07-01 JEAN MARIE A

0144 743501 2013-03-01 MUSKWA A
0144 743502 2014-04-01 MUSKWA B
0144 743503 2013-12-01 MUSKWA C

0144 758001 2001-02-01 SLAVE POINT A
0144 758002 2003-08-01 SLAVE POINT B
0144 758003 2004-03-01 SLAVE POINT C
0144 758004 2008-11-01 SLAVE POINT D

0144 767501 2008-06-01 SULPHUR POINT A
0144 767502 2008-06-01 SULPHUR POINT B
0144 767503 2008-06-01 SULPHUR POINT C
0144 767504 2008-06-01 SULPHUR POINT D
0144 767505 2008-06-01 SULPHUR POINT E
0144 767506 2008-06-01 SULPHUR POINT F
0144 767507 2008-06-01 SULPHUR POINT G
0144 767508 2008-06-01 SULPHUR POINT H
0144 767509 2008-06-01 SULPHUR POINT I
0144 767510 2008-06-01 SULPHUR POINT J
0144 767511 2008-06-01 SULPHUR POINT K

0144 768501 2008-06-01 MUSKEG A
0144 768503 2008-06-01 MUSKEG C
0144 768504 2008-06-01 MUSKEG D
0144 768505 2017-12-01 MUSKEG E

POOL DESIGNATION (cont'd)

0144 768506 2008-06-01	MUSKEG F
0144 768507 2013-05-01	MUSKEG G
0144 772101 2010-04-01	KEG RIVER A
0144 772102 2010-04-01	KEG RIVER B
0144 772103 2008-06-01	KEG RIVER C
0144 772105 2008-06-01	KEG RIVER E
0144 772106 2008-06-01	KEG RIVER F
0144 772107 2008-06-01	KEG RIVER G
0144 772108 2008-06-01	KEG RIVER H
0144 772109 2008-06-01	KEG RIVER I
0144 772110 2008-06-01	KEG RIVER J
0144 772111 2014-04-01	KEG RIVER K

SPACING PATTERN

SU 2227	6 Jun 1995
SU 2227A	26 Oct 2000
SU 2227B	26 Mar 2002
SU 2227C	24 Mar 2005
SU 2227D	28 Mar 2006
SU 2227E	4 Apr 2007
SU 2227F	25 Apr 2007
SU 2227G	7 Sep 2007

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

App 7969D	27 Apr 2016
Waterflood	
Muskeg C	
Husky Oil Operations Limited	

COMMINGLED PRODUCTION

MU 2065	17 Aug 2000
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ENHANCED RECOVERY SCHEMES

App 2450G	12 Jun 2017
Waterflood	
Keg River A	
Husky Oil Operations Limited	

FIELD DESIGNATION

0146 2001-02-01 BLACK DIAMOND FIELD

POOL DESIGNATION

0146 610001 2001-02-01 RUNDLE A

FIELD DESIGNATION

0138 2010-11-01 BLACKFOOT FIELD

POOL DESIGNATION

0138 118806 2010-04-01 LOWER EDMONTON F
0138 118807 2012-06-01 LOWER EDMONTON G

0138 158001 2009-04-01 MILK RIVER A
0138 158002 2009-08-01 MILK RIVER B

0138 162001 2009-04-01 FIRST WHITE SPECKS A
0138 162002 2011-02-01 FIRST WHITE SPECKS B

0138 213001 2001-02-01 BOW ISLAND A
0138 213004 2002-06-01 BOW ISLAND D
0138 213005 2008-10-01 BOW ISLAND E
0138 213006 2014-01-01 BOW ISLAND F

0138 218001 2001-02-01 VIKING A
0138 218005 2010-04-01 VIKING E
0138 218006 2001-02-01 VIKING F
0138 218007 2010-04-01 VIKING G
0138 218008 2010-04-01 VIKING H
0138 218010 2004-08-01 VIKING J
0138 218012 2001-02-01 VIKING L
0138 218013 2001-02-01 VIKING M
0138 218014 2001-02-01 VIKING N
0138 218015 2001-02-01 VIKING O
0138 218016 2010-04-01 VIKING P
0138 218018 2010-04-01 VIKING R
0138 218020 2001-02-01 VIKING T
0138 218021 2001-02-01 VIKING U
0138 218023 2010-04-01 VIKING W
0138 218024 2004-10-01 VIKING X
0138 218025 2004-12-01 VIKING Y
0138 218026 2005-02-01 VIKING Z

POOL DESIGNATION (cont'd)

0138 218027 2005-02-01	VIKING AA
0138 218028 2010-04-01	VIKING BB
0138 218029 2006-09-01	VIKING CC
0138 218030 2008-10-01	VIKING DD
0138 218031 2013-04-01	VIKING EE
0138 218032 2013-07-01	VIKING FF
0138 250001 2010-04-01	UPPER MANNVILLE A
0138 250002 2010-04-01	UPPER MANNVILLE B
0138 300001 2003-08-01	GLAUCONITIC A
0138 300002 2003-09-01	GLAUCONITIC B
0138 300004 2001-05-01	GLAUCONITIC D
0138 300005 2015-05-01	GLAUCONITIC E
0138 300006 2001-02-01	GLAUCONITIC F
0138 300008 2001-02-01	GLAUCONITIC H
0138 300010 2001-02-01	GLAUCONITIC J
0138 300011 2012-06-01	GLAUCONITIC K
0138 300012 2001-02-01	GLAUCONITIC L
0138 300013 2002-12-01	GLAUCONITIC M
0138 300014 2001-10-01	GLAUCONITIC N
0138 300015 2003-02-01	GLAUCONITIC O
0138 300016 2008-05-01	GLAUCONITIC P
0138 300017 2010-04-01	GLAUCONITIC Q
0138 300018 2004-09-01	GLAUCONITIC R
0138 300019 2004-12-01	GLAUCONITIC S
0138 300020 2004-12-01	GLAUCONITIC T
0138 300021 2004-12-01	GLAUCONITIC U
0138 300022 2004-12-01	GLAUCONITIC V
0138 300023 2012-05-01	GLAUCONITIC W
0138 336001 2010-04-01	ELLERSLIE A
0138 336004 2001-02-01	ELLERSLIE D
0138 336006 2005-07-01	ELLERSLIE F
0138 336007 2005-07-01	ELLERSLIE G
0138 850200 2010-10-01	MFP8502 MED HAT

POOL DESIGNATION (cont'd)

0138 850600 2011-01-01 MFP8506 BELLY RIVER
0138 854300 2011-01-01 MFP8543 BSL BELLY RIV
0138 858600 2012-12-01 MFP8586 LWR EDMONTON

SPACING PATTERN

SU 2999 11 Oct 2000
SU 2999A 3 Jan 2001
SU 2999B 20 Apr 2001
SU 2999C 1 Jun 2001
SU 2999D 13 Jul 2001
SU 2999E 16 Jul 2004
SU 2999F 29 Aug 2005
SU 2999G 6 Sep 2007

COMMINGLED PRODUCTION

MU 7841 12 May 2011

ENHANCED RECOVERY SCHEMES

App 7808F 10 Jun 2015
Waterflood
Glaucconitic A
Harvest Operations Corp.

COMPULSORY POOLING

P 322 15 May 2007
P 322A 1 Apr 2011
Gas
13-022-23W4
EnCana Corporation

FIELD DESIGNATION

0136 2014-06-01 BLACKSTONE FIELD

POOL DESIGNATION

0136 176001 2001-02-01 CARDIUM A
0136 176002 2006-07-01 CARDIUM B

0136 250001 2006-07-01 UPPER MANNVILLE A
0136 250002 2008-09-01 UPPER MANNVILLE B
0136 250003 2014-06-01 UPPER MANNVILLE C

0136 336001 2010-04-01 ELLERSLIE A

0136 432001 2010-04-01 ROCK CREEK A

0136 696001 2003-10-01 NISKU A

0136 744001 2012-05-01 BEAVERHILL LAKE A

SPACING PATTERN

SU 3021 27 Feb 2001
SU 3021A 6 May 2004

COMMINGLED PRODUCTION

MU 5722 10 Jun 2006

FIELD DESIGNATION

0149 2015-07-01 BLOOD FIELD

POOL DESIGNATION

0149 164001 2010-04-01 MEDICINE HAT A

0149 202001 2012-09-01 FISH SCALE A

0149 204001 2001-02-01 BARONS A

0149 204002 2010-04-01 BARONS B

0149 204003 2001-02-01 BARONS C

0149 204004 2001-08-01 BARONS D

0149 204005 2003-11-01 BARONS E

0149 204006 2010-04-01 BARONS F

0149 204007 2010-04-01 BARONS G

0149 204008 2010-04-01 BARONS H

0149 204009 2015-02-01 BARONS I

0149 213001 2014-01-01 BOW ISLAND A

0149 213002 2001-02-01 BOW ISLAND B

0149 213005 2001-10-01 BOW ISLAND E

0149 213006 2001-02-01 BOW ISLAND F

0149 213007 2001-03-01 BOW ISLAND G

0149 213008 2010-04-01 BOW ISLAND H

0149 213009 2001-02-01 BOW ISLAND I

0149 213011 2010-04-01 BOW ISLAND K

0149 213013 2001-02-01 BOW ISLAND M

0149 213015 2010-04-01 BOW ISLAND O

0149 213016 2001-02-01 BOW ISLAND P

0149 213017 2012-04-01 BOW ISLAND Q

0149 213018 2001-02-01 BOW ISLAND R

0149 213019 2002-01-01 BOW ISLAND S

0149 213020 2001-03-01 BOW ISLAND T

0149 213021 2001-03-01 BOW ISLAND U

0149 213022 2001-03-01 BOW ISLAND V

0149 213026 2001-03-01 BOW ISLAND Z

POOL DESIGNATION (cont'd)

0149 213028 2001-04-01	BOW ISLAND BB
0149 213029 2001-04-01	BOW ISLAND CC
0149 213031 2001-07-01	BOW ISLAND EE
0149 213032 2001-04-01	BOW ISLAND FF
0149 213033 2001-10-01	BOW ISLAND GG
0149 213034 2011-09-01	BOW ISLAND HH
0149 213035 2001-11-01	BOW ISLAND II
0149 213036 2010-04-01	BOW ISLAND JJ
0149 213037 2011-09-01	BOW ISLAND KK
0149 213038 2001-12-01	BOW ISLAND LL
0149 213039 2002-01-01	BOW ISLAND MM
0149 213040 2002-05-01	BOW ISLAND NN
0149 213041 2002-10-01	BOW ISLAND OO
0149 213042 2002-02-01	BOW ISLAND PP
0149 213043 2002-06-01	BOW ISLAND QQ
0149 213044 2003-11-01	BOW ISLAND RR
0149 213045 2003-11-01	BOW ISLAND SS
0149 213046 2003-11-01	BOW ISLAND TT
0149 213047 2003-11-01	BOW ISLAND UU
0149 213048 2003-11-01	BOW ISLAND VV
0149 213049 2003-11-01	BOW ISLAND WW
0149 213050 2004-10-01	BOW ISLAND XX
0149 213051 2004-10-01	BOW ISLAND YY
0149 213052 2004-10-01	BOW ISLAND ZZ
0149 213401 2010-04-01	BOW ISLAND AAA
0149 213402 2006-12-01	BOW ISLAND BBB
0149 213403 2010-04-01	BOW ISLAND CCC
0149 213404 2010-04-01	BOW ISLAND DDD
0149 213405 2010-04-01	BOW ISLAND EEE
0149 213406 2013-09-01	BOW ISLAND FFF
0149 213407 2014-02-01	BOW ISLAND GGG
0149 332001 2001-02-01	SUNBURST A
0149 610001 2008-11-01	RUNDLE A
0149 610002 2013-05-01	RUNDLE B

POOL DESIGNATION (cont'd)

0149 644001 2008-11-01 BANFF A

0149 660001 2016-02-01 BIG VALLEY A

COMMINGLED PRODUCTION

MU 7549 5 Oct 2010

COMPULSORY POOLING

P 176 22 Feb 1999

P 176A 16 Aug 2016

Gas

20-006-21W4M

Bonavista Petroleum Ltd.

FIELD DESIGNATION

0147 2017-12-01 BLUEBERRY FIELD

POOL DESIGNATION

0147 192001 2008-06-01 DUNVEGAN A

0147 228001 2001-02-01 PEACE RIVER A

0147 232001 2001-02-01 CADOTTE A

0147 264001 2001-02-01 SPIRIT RIVER A
0147 264002 2001-02-01 SPIRIT RIVER B

0147 304001 2009-08-01 BLUESKY A

0147 326001 2001-02-01 GETHING A
0147 326002 2001-02-01 GETHING B
0147 326003 2001-02-01 GETHING C
0147 326004 2001-02-01 GETHING D
0147 326005 2009-04-01 GETHING E
0147 326006 2005-09-01 GETHING F
0147 326007 2006-03-01 GETHING G
0147 326008 2007-07-01 GETHING H
0147 326009 2010-06-01 GETHING I

0147 508001 2012-04-01 CHARLIE LAKE A
0147 508002 2010-04-01 CHARLIE LAKE B
0147 508003 2005-11-01 CHARLIE LAKE C
0147 508004 2015-10-01 CHARLIE LAKE D

0147 516001 2001-02-01 HALFWAY A
0147 516002 2001-02-01 HALFWAY B

0147 524001 2011-09-01 MONTNEY A
0147 524002 2001-02-01 MONTNEY B
0147 524004 2001-06-01 MONTNEY D

POOL DESIGNATION (cont'd)

0147 524005 2008-10-01	MONTNEY E
0147 556001 2001-02-01	BELLOY A
0147 556002 2005-02-01	BELLOY B
0147 556003 2009-07-01	BELLOY C
0147 606001 2001-02-01	KISKATINAW A
0147 606002 2001-02-01	KISKATINAW B
0147 606004 2005-03-01	KISKATINAW D
0147 606005 2001-02-01	KISKATINAW E
0147 606006 2001-02-01	KISKATINAW F
0147 606007 2001-03-01	KISKATINAW G
0147 606008 2001-06-01	KISKATINAW H
0147 606009 2009-03-01	KISKATINAW I
0147 606010 2007-02-01	KISKATINAW J
0147 606011 2008-07-01	KISKATINAW K
0147 606012 2009-07-01	KISKATINAW L

SPACING PATTERN

SU 2592	20 Feb 1996
SU 2595	22 Feb 1996
SU 2595A	13 Apr 1999

COMMINGLED PRODUCTION

MU 7162	27 Apr 2009
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SUBSURFACE DISPOSAL SCHEMES

App 8388A 14 Dec 2011
Class II
Cequence Energy Ltd.

FIELD DESIGNATION

0148 2013-05-01 BLUERIDGE FIELD

POOL DESIGNATION

0148 218001 2010-04-01 VIKING A
0148 218002 2004-06-01 VIKING B

0148 250001 2007-10-01 UPPER MANNVILLE A
0148 250003 2015-05-01 UPPER MANNVILLE C
0148 250004 2009-10-01 UPPER MANNVILLE D
0148 250005 2012-02-01 UPPER MANNVILLE E

0148 304001 2003-09-01 BLUESKY A

0148 310001 2001-02-01 LOWER MANNVILLE A
0148 310002 2011-12-01 LOWER MANNVILLE B
0148 310003 2007-01-01 LOWER MANNVILLE C

0148 446002 2012-04-01 JURASSIC B
0148 446004 2006-05-01 JURASSIC D
0148 446006 2001-02-01 JURASSIC F
0148 446007 2001-02-01 JURASSIC G
0148 446008 2001-02-01 JURASSIC H
0148 446009 2001-02-01 JURASSIC I
0148 446010 2001-02-01 JURASSIC J
0148 446011 2001-02-01 JURASSIC K
0148 446012 2001-02-01 JURASSIC L
0148 446013 2007-08-01 JURASSIC M
0148 446014 2007-01-01 JURASSIC N
0148 446015 2010-11-01 JURASSIC O

0148 642001 2010-04-01 PEKISKO A
0148 642003 2001-08-01 PEKISKO C
0148 642004 2001-02-01 PEKISKO D
0148 642005 2001-02-01 PEKISKO E
0148 642006 2001-02-01 PEKISKO F

POOL DESIGNATION (cont'd)

0148 642007	2001-09-01	PEKISKO G
0148 642008	2006-05-01	PEKISKO H
0148 642009	2010-04-01	PEKISKO I
0148 642010	2011-02-01	PEKISKO J
0148 696001	2003-07-01	NISKU A

SPACING PATTERN

SU 2224	6 Jun 1995
SU 2224A	24 Mar 2005

COMMINGLED PRODUCTION

MU 5651	18 May 2006
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SUBSURFACE DISPOSAL SCHEMES

App 6493A 10 Aug 2011
Class II
Taqa North Ltd.

FIELD DESIGNATION

0027 2001-02-01 BOGGY LAKE FIELD

POOL DESIGNATION

0027 244001 2001-02-01 BLAIRMORE A

FIELD DESIGNATION

0150 2014-01-01 BOLLOQUE FIELD

POOL DESIGNATION

0150 218001 2001-02-01 VIKING A
0150 218002 2001-02-01 VIKING B
0150 218003 2003-11-01 VIKING C
0150 218004 2010-04-01 VIKING D
0150 218006 2013-12-01 VIKING F
0150 218007 2013-12-01 VIKING G

0150 250001 2001-02-01 UPPER MANNVILLE A
0150 250002 2001-02-01 UPPER MANNVILLE B
0150 250003 2001-02-01 UPPER MANNVILLE C
0150 250004 2001-02-01 UPPER MANNVILLE D
0150 250005 2001-02-01 UPPER MANNVILLE E
0150 250006 2001-02-01 UPPER MANNVILLE F
0150 250007 2008-05-01 UPPER MANNVILLE G
0150 250008 2001-02-01 UPPER MANNVILLE H
0150 250012 2017-04-01 UPPER MANNVILLE L
0150 250013 2001-02-01 UPPER MANNVILLE M
0150 250014 2001-02-01 UPPER MANNVILLE N
0150 250015 2001-02-01 UPPER MANNVILLE O
0150 250017 2001-02-01 UPPER MANNVILLE Q
0150 250018 2001-02-01 UPPER MANNVILLE R
0150 250019 2001-02-01 UPPER MANNVILLE S
0150 250020 2001-02-01 UPPER MANNVILLE T
0150 250021 2001-02-01 UPPER MANNVILLE U
0150 250022 2001-02-01 UPPER MANNVILLE V
0150 250024 2001-02-01 UPPER MANNVILLE X
0150 250027 2001-02-01 UPPER MANNVILLE AA
0150 250028 2001-02-01 UPPER MANNVILLE BB
0150 250029 2001-02-01 UPPER MANNVILLE CC
0150 250030 2010-12-01 UPPER MANNVILLE DD
0150 250033 2001-02-01 UPPER MANNVILLE GG
0150 250034 2001-02-01 UPPER MANNVILLE HH

POOL DESIGNATION (cont'd)

0150 250035 2001-02-01	UPPER MANNVILLE II
0150 250036 2001-02-01	UPPER MANNVILLE JJ
0150 250037 2008-09-01	UPPER MANNVILLE KK
0150 250038 2010-04-01	UPPER MANNVILLE LL
0150 250039 2003-11-01	UPPER MANNVILLE MM
0150 250040 2001-02-01	UPPER MANNVILLE NN
0150 250041 2001-02-01	UPPER MANNVILLE OO
0150 250042 2001-02-01	UPPER MANNVILLE PP
0150 250043 2001-02-01	UPPER MANNVILLE QQ
0150 250044 2001-02-01	UPPER MANNVILLE RR
0150 250045 2007-05-01	UPPER MANNVILLE SS
0150 250046 2001-02-01	UPPER MANNVILLE TT
0150 250047 2001-02-01	UPPER MANNVILLE UU
0150 250048 2001-03-01	UPPER MANNVILLE VV
0150 250049 2003-11-01	UPPER MANNVILLE WW
0150 250050 2001-03-01	UPPER MANNVILLE XX
0150 250051 2001-03-01	UPPER MANNVILLE YY
0150 250052 2001-03-01	UPPER MANNVILLE ZZ
0150 250701 2001-03-01	UPPER MANNVILLE AAA
0150 250702 2001-03-01	UPPER MANNVILLE BBB
0150 250703 2001-03-01	UPPER MANNVILLE CCC
0150 250704 2001-07-01	UPPER MANNVILLE DDD
0150 250705 2001-09-01	UPPER MANNVILLE EEE
0150 250706 2010-12-01	UPPER MANNVILLE FFF
0150 250707 2001-09-01	UPPER MANNVILLE GGG
0150 250708 2002-06-01	UPPER MANNVILLE HHH
0150 250709 2002-08-01	UPPER MANNVILLE III
0150 250710 2002-08-01	UPPER MANNVILLE JJJ
0150 250711 2003-05-01	UPPER MANNVILLE KKK
0150 250712 2007-04-01	UPPER MANNVILLE LLL
0150 250713 2003-09-01	UPPER MANNVILLE MMM
0150 250714 2003-10-01	UPPER MANNVILLE NNN
0150 250715 2004-04-01	UPPER MANNVILLE OOO
0150 250716 2003-11-01	UPPER MANNVILLE PPP
0150 250717 2006-08-01	UPPER MANNVILLE QQQ
0150 250718 2003-12-01	UPPER MANNVILLE RRR
0150 250719 2006-08-01	UPPER MANNVILLE SSS
0150 250720 2010-04-01	UPPER MANNVILLE TTT

POOL DESIGNATION (cont'd)

0150 250721 2004-05-01	UPPER MANNVILLE UUU
0150 250722 2004-06-01	UPPER MANNVILLE VVV
0150 250723 2004-07-01	UPPER MANNVILLE WWW
0150 250724 2004-12-01	UPPER MANNVILLE XXX
0150 250725 2005-02-01	UPPER MANNVILLE YYY
0150 250726 2006-05-01	UPPER MANNVILLE ZZZ
0150 250727 2006-06-01	UPPER MANNVILLE A2A
0150 250728 2006-07-01	UPPER MANNVILLE B2B
0150 250729 2007-07-01	UPPER MANNVILLE C2C
0150 250730 2007-07-01	UPPER MANNVILLE D2D
0150 250731 2007-07-01	UPPER MANNVILLE E2E
0150 250732 2007-07-01	UPPER MANNVILLE F2F
0150 250733 2007-08-01	UPPER MANNVILLE G2G
0150 250734 2008-10-01	UPPER MANNVILLE H2H
0150 250735 2007-10-01	UPPER MANNVILLE I2I
0150 250736 2007-10-01	UPPER MANNVILLE J2J
0150 250737 2007-10-01	UPPER MANNVILLE K2K
0150 250738 2010-04-01	UPPER MANNVILLE L2L
0150 250739 2007-11-01	UPPER MANNVILLE M2M
0150 250740 2008-09-01	UPPER MANNVILLE N2N
0150 250741 2010-04-01	UPPER MANNVILLE O2O
0150 250742 2008-09-01	UPPER MANNVILLE P2P
0150 250743 2010-04-01	UPPER MANNVILLE Q2Q
0150 250744 2011-02-01	UPPER MANNVILLE R2R
0150 250745 2011-05-01	UPPER MANNVILLE S2S
0150 250747 2011-11-01	UPPER MANNVILLE U2U
0150 250748 2011-06-01	UPPER MANNVILLE V2V
0150 250749 2011-10-01	UPPER MANNVILLE W2W
0150 250750 2011-12-01	UPPER MANNVILLE X2X
0150 250751 2013-12-01	UPPER MANNVILLE Y2Y
0150 250752 2013-12-01	UPPER MANNVILLE Z2Z
0150 251101 2013-12-01	UPPER MANNVILLE A3A
0150 251102 2013-12-01	UPPER MANNVILLE B3B
0150 310001 2010-04-01	LOWER MANNVILLE A
0150 310002 2001-02-01	LOWER MANNVILLE B
0150 310003 2001-02-01	LOWER MANNVILLE C
0150 310004 2001-02-01	LOWER MANNVILLE D

POOL DESIGNATION (cont'd)

0150 310005 2001-02-01	LOWER MANNVILLE E
0150 310006 2001-02-01	LOWER MANNVILLE F
0150 310008 2001-02-01	LOWER MANNVILLE H
0150 310009 2001-02-01	LOWER MANNVILLE I
0150 310010 2012-04-01	LOWER MANNVILLE J
0150 310011 2001-02-01	LOWER MANNVILLE K
0150 310012 2001-02-01	LOWER MANNVILLE L
0150 310013 2001-02-01	LOWER MANNVILLE M
0150 310014 2001-02-01	LOWER MANNVILLE N
0150 310016 2001-02-01	LOWER MANNVILLE P
0150 310017 2001-02-01	LOWER MANNVILLE Q
0150 310019 2001-02-01	LOWER MANNVILLE S
0150 310020 2001-02-01	LOWER MANNVILLE T
0150 310021 2001-02-01	LOWER MANNVILLE U
0150 310022 2010-04-01	LOWER MANNVILLE V
0150 310023 2001-02-01	LOWER MANNVILLE W
0150 310024 2001-02-01	LOWER MANNVILLE X
0150 310025 2001-03-01	LOWER MANNVILLE Y
0150 310026 2001-03-01	LOWER MANNVILLE Z
0150 310027 2001-03-01	LOWER MANNVILLE AA
0150 310028 2004-09-01	LOWER MANNVILLE BB
0150 310029 2002-09-01	LOWER MANNVILLE CC
0150 310030 2003-10-01	LOWER MANNVILLE DD
0150 310031 2004-04-01	LOWER MANNVILLE EE
0150 310032 2004-11-01	LOWER MANNVILLE FF
0150 310033 2006-03-01	LOWER MANNVILLE GG
0150 310034 2007-03-01	LOWER MANNVILLE HH
0150 310035 2007-07-01	LOWER MANNVILLE II
0150 310036 2007-07-01	LOWER MANNVILLE JJ
0150 310037 2007-07-01	LOWER MANNVILLE KK
0150 310038 2007-09-01	LOWER MANNVILLE LL
0150 310039 2007-12-01	LOWER MANNVILLE MM
0150 310040 2008-11-01	LOWER MANNVILLE NN
0150 310041 2009-04-01	LOWER MANNVILLE OO
0150 310042 2013-12-01	LOWER MANNVILLE PP
0150 310043 2013-12-01	LOWER MANNVILLE QQ
0150 310044 2013-12-01	LOWER MANNVILLE RR
0150 310045 2013-12-01	LOWER MANNVILLE SS

POOL DESIGNATION (cont'd)

0150 336701 2001-11-01 ELLERSLIE-WABAMUN A

0150 658001 2001-02-01 WABAMUN A

0150 658002 2001-02-01 WABAMUN B

0150 658003 2010-04-01 WABAMUN C

0150 680001 2001-02-01 BLUERIDGE A

SPACING PATTERN

SU 2230 11 Jul 1995

SU 2230A 27 Oct 1995

SU 2230B 5 Nov 1996

SU 2230C 3 Dec 2004

COMMINGLED PRODUCTION

MU 8577 2 Jan 2014

SUBSURFACE DISPOSAL SCHEMES

App 8709 5 Dec 2000

Class II

Ish Energy Ltd.

FIELD DESIGNATION

0153 2013-12-01 BONANZA FIELD

POOL DESIGNATION

0153 304001 2005-12-01 BLUESKY A
0153 304002 2013-12-01 BLUESKY B
0153 304003 2013-12-01 BLUESKY C
0153 304004 2013-12-01 BLUESKY D
0153 304005 2013-12-01 BLUESKY E

0153 326001 2001-03-01 GETHING A
0153 326002 2010-12-01 GETHING B
0153 326004 2004-10-01 GETHING D
0153 326005 2001-02-01 GETHING E
0153 326006 2001-02-01 GETHING F
0153 326007 2003-09-01 GETHING G
0153 326008 2010-04-01 GETHING H
0153 326009 2001-02-01 GETHING I
0153 326010 2001-02-01 GETHING J
0153 326011 2008-12-01 GETHING K
0153 326012 2003-08-01 GETHING L
0153 326013 2006-03-01 GETHING M
0153 326014 2006-04-01 GETHING N
0153 326015 2007-07-01 GETHING O
0153 326016 2008-10-01 GETHING P
0153 326017 2010-10-01 GETHING Q
0153 326018 2013-12-01 GETHING R
0153 326019 2013-12-01 GETHING S
0153 326020 2013-12-01 GETHING T
0153 326021 2013-12-01 GETHING U
0153 326022 2013-12-01 GETHING V
0153 326023 2013-12-01 GETHING W
0153 326024 2013-12-01 GETHING X
0153 326025 2013-12-01 GETHING Y

0153 348001 2001-02-01 CADOMIN A

POOL DESIGNATION (cont'd)

0153 348002 2013-12-01	CADOMIN B
0153 348003 2013-12-01	CADOMIN C
0153 348004 2013-12-01	CADOMIN D
0153 348005 2013-12-01	CADOMIN E
0153 506001 2003-11-01	BALDONNEL A
0153 506002 2001-02-01	BALDONNEL B
0153 506003 2001-03-01	BALDONNEL C
0153 506005 2010-04-01	BALDONNEL E
0153 506006 2010-04-01	BALDONNEL F
0153 506007 2005-05-01	BALDONNEL G
0153 506008 2005-11-01	BALDONNEL H
0153 506009 2010-10-01	BALDONNEL I
0153 506010 2013-12-01	BALDONNEL J
0153 506011 2013-12-01	BALDONNEL K
0153 506012 2013-12-01	BALDONNEL L
0153 506013 2013-12-01	BALDONNEL M
0153 506014 2013-12-01	BALDONNEL N
0153 506015 2013-12-01	BALDONNEL O
0153 506016 2013-12-01	BALDONNEL P
0153 506017 2013-12-01	BALDONNEL Q
0153 506018 2013-12-01	BALDONNEL R
0153 506019 2013-12-01	BALDONNEL S
0153 506020 2013-12-01	BALDONNEL T
0153 506021 2013-12-01	BALDONNEL U
0153 506022 2013-12-01	BALDONNEL V
0153 506023 2013-12-01	BALDONNEL W
0153 506024 2017-09-01	BALDONNEL X
0153 508002 2001-02-01	CHARLIE LAKE B
0153 508003 2001-06-01	CHARLIE LAKE C
0153 508004 2010-04-01	CHARLIE LAKE D
0153 508005 2013-12-01	CHARLIE LAKE E
0153 508006 2013-12-01	CHARLIE LAKE F
0153 508007 2013-12-01	CHARLIE LAKE G
0153 508008 2017-09-01	CHARLIE LAKE H
0153 510001 2010-04-01	BOUNDARY A

POOL DESIGNATION (cont'd)

0153 510003 2011-12-01	BOUNDARY C
0153 510004 2001-02-01	BOUNDARY D
0153 510005 2005-09-01	BOUNDARY E
0153 516001 2010-04-01	HALFWAY A
0153 516002 2001-02-01	HALFWAY B
0153 516003 2010-04-01	HALFWAY C
0153 516004 2013-05-01	HALFWAY D
0153 516005 2013-12-01	HALFWAY E
0153 516006 2013-12-01	HALFWAY F
0153 516007 2013-12-01	HALFWAY G
0153 520001 2010-04-01	DOIG A
0153 520002 2001-02-01	DOIG B
0153 520003 2001-02-01	DOIG C
0153 520004 2012-06-01	DOIG D
0153 520005 2013-05-01	DOIG E
0153 524001 2016-09-01	MONTNEY A
0153 556001 2001-02-01	BELLOY A
0153 605001 2001-02-01	TAYLOR FLAT A
0153 605002 2001-02-01	TAYLOR FLAT B
0153 606001 2001-02-01	KISKATINAW A
0153 606002 2001-02-01	KISKATINAW B
0153 606003 2001-02-01	KISKATINAW C
0153 606004 2001-02-01	KISKATINAW D
0153 606005 2001-02-01	KISKATINAW E
0153 606006 2001-02-01	KISKATINAW F
0153 606007 2002-01-01	KISKATINAW G
0153 606008 2001-02-01	KISKATINAW H
0153 606009 2008-12-01	KISKATINAW I
0153 606010 2010-04-01	KISKATINAW J
0153 606011 2005-09-01	KISKATINAW K
0153 606012 2001-03-01	KISKATINAW L
0153 606013 2001-03-01	KISKATINAW M

POOL DESIGNATION (cont'd)

0153 606014 2001-03-01	KISKATINAW N
0153 606015 2001-10-01	KISKATINAW O
0153 606016 2002-09-01	KISKATINAW P
0153 606017 2003-01-01	KISKATINAW Q
0153 606018 2010-04-01	KISKATINAW R
0153 606019 2011-06-01	KISKATINAW S
0153 606020 2013-12-01	KISKATINAW T
0153 606021 2013-12-01	KISKATINAW U
0153 606022 2013-12-01	KISKATINAW V
0153 606023 2013-12-01	KISKATINAW W
0153 606024 2013-12-01	KISKATINAW X
0153 606025 2013-12-01	KISKATINAW Y
0153 606026 2013-12-01	KISKATINAW Z
0153 606027 2013-12-01	KISKATINAW AA
0153 606028 2013-12-01	KISKATINAW BB
0153 606029 2013-12-01	KISKATINAW CC
0153 606030 2013-12-01	KISKATINAW DD
0153 606031 2013-12-01	KISKATINAW EE
0153 606032 2013-12-01	KISKATINAW FF
0153 606033 2013-12-01	KISKATINAW GG
0153 606034 2013-12-01	KISKATINAW HH
0153 606035 2013-12-01	KISKATINAW II
0153 606036 2013-12-01	KISKATINAW JJ
0153 606037 2013-12-01	KISKATINAW KK
0153 606038 2013-12-01	KISKATINAW LL
0153 606039 2013-12-01	KISKATINAW MM
0153 606040 2013-12-01	KISKATINAW NN
0153 606041 2013-12-01	KISKATINAW OO
0153 606042 2013-12-01	KISKATINAW PP
0153 606043 2013-12-01	KISKATINAW QQ
0153 606044 2013-12-01	KISKATINAW RR
0153 606045 2013-12-01	KISKATINAW SS
0153 606046 2013-12-01	KISKATINAW TT

SPACING PATTERN

SU 2231 4 Jul 1995
SU 2231A 25 Jan 1996
SU 2231B 16 Jul 1997
SU 2231C 30 Jul 2002
SU 2231D 19 Oct 2006

COMMINGLED PRODUCTION

MU 8797 4 Aug 2016

ENHANCED RECOVERY SCHEMES

App 4593F 2 Oct 2017
Waterflood
Boundary A
Canadian Natural Resources Limited

App 10258D 23 Oct 2017
Waterflood
Boundary A
Canadian Natural Resources Limited

SUBSURFACE DISPOSAL SCHEMES

App 3837C 16 May 2017
Class II
Canadian Natural Resources Limited

FIELD DESIGNATION

0152 2007-11-01 BONDISS FIELD

POOL DESIGNATION

0152 250001 2014-09-01 UPPER MANNVILLE A

0152 256001 2007-05-01 COLONY A

0152 262001 2001-02-01 GRAND RAPIDS A

0152 262002 2001-02-01 GRAND RAPIDS B

0152 262003 2001-02-01 GRAND RAPIDS C

0152 262004 2001-02-01 GRAND RAPIDS D

0152 262005 2001-02-01 GRAND RAPIDS E

0152 262006 2010-04-01 GRAND RAPIDS F

0152 262007 2007-09-01 GRAND RAPIDS G

0152 262008 2008-02-01 GRAND RAPIDS H

0152 262009 2007-10-01 GRAND RAPIDS I

0152 280003 2010-04-01 CLEARWATER C

0152 306001 2007-03-01 WABISKAW A

0152 306002 2015-10-01 WABISKAW B

0152 328001 2014-12-01 MCMURRAY A

0152 716001 2001-02-01 GROSMONT A

SPACING PATTERN

SU 4344 26 Sep 2006

SU 4344A 8 Nov 2006

COMMINGLED PRODUCTION

MU 6444 12 Feb 2007

FIELD DESIGNATION

0151 2011-11-01 BONNIE GLEN FIELD

POOL DESIGNATION

0151 106001 2007-03-01 EDMONTON A

0151 118801 2006-10-01 LOWER EDMONTON A

0151 118802 2006-10-01 LOWER EDMONTON B

0151 126001 2001-11-01 BELLY RIVER A

0151 126004 2012-04-01 BELLY RIVER D

0151 126005 2012-05-01 BELLY RIVER E

0151 134001 2011-03-01 BASAL BELLY RIVER A

0151 134002 2005-06-01 BASAL BELLY RIVER B

0151 134003 2010-06-01 BASAL BELLY RIVER C

0151 176001 2010-04-01 CARDIUM A

0151 218001 2001-02-01 VIKING A

0151 218002 2002-02-01 VIKING B

0151 218003 2010-04-01 VIKING C

0151 218004 2009-09-01 VIKING D

0151 218005 2009-09-01 VIKING E

0151 250001 2001-11-01 UPPER MANNVILLE A

0151 250002 2007-08-01 UPPER MANNVILLE B

0151 250003 2017-09-01 UPPER MANNVILLE C

0151 300002 2001-02-01 GLAUCONITIC B

0151 300003 2002-04-01 GLAUCONITIC C

0151 300004 2005-06-01 GLAUCONITIC D

0151 300005 2006-09-01 GLAUCONITIC E

0151 300006 2010-04-01 GLAUCONITIC F

0151 300007 2010-12-01 GLAUCONITIC G

0151 300009 2010-05-01 GLAUCONITIC I

POOL DESIGNATION (cont'd)

0151 300010 2012-03-01	GLAUCONITIC J
0151 310001 2001-02-01	LOWER MANNVILLE A
0151 310002 2001-02-01	LOWER MANNVILLE B
0151 310003 2001-02-01	LOWER MANNVILLE C
0151 310004 2001-02-01	LOWER MANNVILLE D
0151 310005 2001-02-01	LOWER MANNVILLE E
0151 310006 2001-02-01	LOWER MANNVILLE F
0151 310007 2002-01-01	LOWER MANNVILLE G
0151 310008 2012-01-01	LOWER MANNVILLE H
0151 310009 2003-05-01	LOWER MANNVILLE I
0151 310010 2009-06-01	LOWER MANNVILLE J
0151 310011 2009-06-01	LOWER MANNVILLE K
0151 310012 2005-06-01	LOWER MANNVILLE L
0151 310013 2005-01-01	LOWER MANNVILLE M
0151 310014 2005-08-01	LOWER MANNVILLE N
0151 310015 2005-06-01	LOWER MANNVILLE O
0151 310016 2006-09-01	LOWER MANNVILLE P
0151 310017 2006-09-01	LOWER MANNVILLE Q
0151 310018 2007-07-01	LOWER MANNVILLE R
0151 310019 2007-07-01	LOWER MANNVILLE S
0151 310020 2008-10-01	LOWER MANNVILLE T
0151 310021 2012-12-01	LOWER MANNVILLE U
0151 310022 2013-01-01	LOWER MANNVILLE V
0151 658001 2008-04-01	D-1 A
0151 658002 2008-05-01	D-1 B
0151 658003 2010-02-01	D-1 C
0151 696001 2002-03-01	D-2 A
0151 720001 2001-07-01	D-3 A
0151 720002 2001-02-01	D-3 B
0151 851200 2008-07-01	MFP8512 GLAUCONITIC

SPACING PATTERN

SU 2232 19 Jun 1995
SU 2232A 11 Aug 1999
SU 2232B 13 Nov 2003
SU 2232C 17 Feb 2006
SU 2232D 13 Jun 2006

MISCELLANEOUS ORDERS

MISC 7503 1 Mar 1975
Sec 7.070, (7), (8), (9) of regs
applies to certain batteries

COMMINGLED PRODUCTION

MU 6991 21 Aug 2008

**GAS CYCLING AND CONCURRENT
PRODUCTION**

App 7906A 6 Jul 2009
D-3 A
Imperial Oil Resources Limited

ENHANCED RECOVERY SCHEMES

App 2331E 26 Feb 2014
Waterflood
Cardium A
Griffon Petroleum Ltd.

SUBSURFACE DISPOSAL SCHEMES

App 3166A 18 Jun 2012
Class II
Chevron Canada Limited

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

App 4783B 21 Aug 2014
Class II
Imperial Oil Resources Limited

COMPULSORY POOLING

P 211 27 Aug 2001
Gas
07-047-27W4M
Mayfair Energy Ltd.

P 231 25 Oct 2002
P 231A 26 Sep 2003
Gas
14-046-28W4M
Conoco Canada Resources Limited

FIELD DESIGNATION

0154 2001-04-01 BONNYVILLE FIELD

POOL DESIGNATION

0154 256000 2010-04-01 COLONY
0154 256007 2001-02-01 COLONY G
0154 256008 2001-02-01 COLONY H
0154 256009 2001-02-01 COLONY I
0154 256011 2001-02-01 COLONY K
0154 256012 2001-02-01 COLONY L
0154 256013 2003-04-01 COLONY M

0154 262001 2001-02-01 GRAND RAPIDS A
0154 262003 2010-04-01 GRAND RAPIDS C
0154 262004 2001-02-01 GRAND RAPIDS D

SPACING PATTERN

SU 2223 23 Jun 1995

SUBSURFACE DISPOSAL SCHEMES

App 7575A 9 Oct 2012
Class II
Conserve Oil & Gas No. II Corporation

FIELD DESIGNATION

0162 2006-10-01 BORDER FIELD

POOL DESIGNATION

0162 202001 2013-02-01 FISH SCALE A

0162 218001 2017-06-01 VIKING A

0162 256001 2010-04-01 COLONY A

0162 256002 2006-10-01 COLONY B

0162 256003 2008-02-01 COLONY C

0162 268001 2006-10-01 MCLAREN A

0162 294001 2001-02-01 LLOYDMINSTER A

0162 670001 2001-02-01 WINTERBURN A

SPACING PATTERN

SU 2598 22 Feb 1996

FIELD DESIGNATION

0155 2014-03-01 BORRADAILE FIELD

POOL DESIGNATION

0155 256001 2001-02-01 COLONY A
0155 256002 2011-12-01 COLONY B
0155 256003 2001-02-01 COLONY C
0155 256005 2004-04-01 COLONY E
0155 256006 2012-10-01 COLONY F
0155 256007 2012-09-01 COLONY G

0155 268001 2012-07-01 MCLAREN A

0155 276004 2016-08-01 SPARKY D
0155 276005 2013-11-01 SPARKY E

0155 286002 2011-04-01 GENERAL PETROLEUM B
0155 286003 2006-03-01 GENERAL PETROLEUM C

0155 294002 2006-12-01 LLOYDMINSTER B
0155 294003 2011-09-01 LLOYDMINSTER C
0155 294004 2013-12-01 LLOYDMINSTER D

0155 302001 2006-07-01 CUMMINGS A

0155 322001 2017-06-01 DINA A

COMMINGLED PRODUCTION

MU 8605 18 Mar 2014

FIELD DESIGNATION

0158 2001-02-01 BOTHA FIELD

POOL DESIGNATION

0158 304001 2001-02-01 BLUESKY A

0158 304002 2001-09-01 BLUESKY B

0158 304003 2003-01-01 BLUESKY C

0158 612001 2012-04-01 DEBOLT A

FIELD DESIGNATION

0156 2011-04-01 BOTTREL FIELD

POOL DESIGNATION

0156 176001 2010-04-01 CARDIUM A
0156 176002 2010-04-01 CARDIUM B
0156 176003 2008-10-01 CARDIUM C
0156 176004 2009-01-01 CARDIUM D
0156 176005 2014-03-01 CARDIUM E

SPACING PATTERN

SU 4328 7 Feb 2006

FIELD DESIGNATION

0111 2001-02-01 BOUCHER FIELD

POOL DESIGNATION

0111 230001 2004-10-01 PADDY A

0111 304001 2015-02-01 BLUESKY A

0111 348001 2015-02-01 CADOMIN A

0111 348002 2008-04-01 CADOMIN B

0111 508001 2010-04-01 CHARLIE LAKE A

0111 524001 2015-02-01 MONTNEY A

0111 606001 2001-12-01 KISKATINAW A

0111 612001 2016-05-01 DEBOLT A

0111 638001 2001-02-01 ELKTON A

COMMINGLED PRODUCTION

MU 1367 2 Nov 1996

FIELD DESIGNATION

0157 2007-10-01 BOUNDARY LAKE SOUTH FIELD

POOL DESIGNATION

0157 264001 2008-07-01 SPIRIT RIVER A

0157 304001 2001-09-01 BLUESKY A
0157 304002 2002-11-01 BLUESKY B
0157 304003 2010-04-01 BLUESKY C
0157 304004 2014-05-01 BLUESKY D
0157 304005 2008-11-01 BLUESKY E
0157 304006 2010-04-01 BLUESKY F
0157 304007 2009-05-01 BLUESKY G

0157 326001 2001-02-01 GETHING A
0157 326002 2001-02-01 GETHING B
0157 326003 2012-03-01 GETHING C
0157 326004 2015-05-01 GETHING D
0157 326005 2002-01-01 GETHING E
0157 326006 2003-02-01 GETHING F
0157 326007 2003-05-01 GETHING G
0157 326008 2004-10-01 GETHING H
0157 326009 2006-05-01 GETHING I
0157 326010 2007-08-01 GETHING J
0157 326011 2007-07-01 GETHING K
0157 326012 2007-07-01 GETHING L
0157 326013 2007-08-01 GETHING M
0157 326014 2010-04-01 GETHING N
0157 326015 2007-10-01 GETHING O
0157 326016 2007-11-01 GETHING P
0157 326017 2007-12-01 GETHING Q
0157 326018 2010-01-01 GETHING R
0157 326019 2010-01-01 GETHING S
0157 326020 2010-04-01 GETHING T
0157 326021 2010-04-01 GETHING U
0157 326022 2010-04-01 GETHING V

POOL DESIGNATION (cont'd)

0157 348002 2013-07-01	CADOMIN B
0157 348003 2001-09-01	CADOMIN C
0157 348006 2008-10-01	CADOMIN F
0157 348007 2012-12-01	CADOMIN G
0157 500002 2001-02-01	TRIASSIC B
0157 500003 2001-07-01	TRIASSIC C
0157 500005 2010-04-01	TRIASSIC E
0157 500006 2001-02-01	TRIASSIC F
0157 500007 2013-07-01	TRIASSIC G
0157 500008 2001-02-01	TRIASSIC H
0157 500009 2001-02-01	TRIASSIC I
0157 500011 2001-02-01	TRIASSIC K
0157 500013 2001-02-01	TRIASSIC M
0157 500014 2010-04-01	TRIASSIC N
0157 500016 2005-05-01	TRIASSIC P
0157 500017 2010-04-01	TRIASSIC Q
0157 500018 2010-04-01	TRIASSIC R
0157 500019 2011-05-01	TRIASSIC S
0157 500020 2001-02-01	TRIASSIC T
0157 500021 2003-05-01	TRIASSIC U
0157 500022 2010-04-01	TRIASSIC V
0157 500023 2004-02-01	TRIASSIC W
0157 500024 2004-10-01	TRIASSIC X
0157 500025 2006-01-01	TRIASSIC Y
0157 500026 2005-11-01	TRIASSIC Z
0157 500027 2006-08-01	TRIASSIC AA
0157 500028 2006-12-01	TRIASSIC BB
0157 500029 2007-01-01	TRIASSIC CC
0157 500030 2006-09-01	TRIASSIC DD
0157 500031 2011-12-01	TRIASSIC EE
0157 500032 2007-07-01	TRIASSIC FF
0157 500033 2007-11-01	TRIASSIC GG
0157 500034 2007-07-01	TRIASSIC HH
0157 500035 2007-09-01	TRIASSIC II
0157 500036 2010-04-01	TRIASSIC JJ
0157 500037 2008-08-01	TRIASSIC KK
0157 500038 2009-08-01	TRIASSIC LL

POOL DESIGNATION (cont'd)

0157 500039 2009-07-01	TRIASSIC MM
0157 500040 2010-04-01	TRIASSIC NN
0157 508001 2006-02-01	CHARLIE LAKE A
0157 508002 2011-03-01	CHARLIE LAKE B
0157 508005 2001-02-01	CHARLIE LAKE E
0157 508006 2011-06-01	CHARLIE LAKE F
0157 508007 2001-02-01	CHARLIE LAKE G
0157 508008 2001-02-01	CHARLIE LAKE H
0157 508009 2001-02-01	CHARLIE LAKE I
0157 508010 2015-10-01	CHARLIE LAKE J
0157 508011 2003-07-01	CHARLIE LAKE K
0157 508012 2015-10-01	CHARLIE LAKE L
0157 508013 2007-07-01	CHARLIE LAKE M
0157 508014 2007-07-01	CHARLIE LAKE N
0157 508015 2007-07-01	CHARLIE LAKE O
0157 508016 2007-07-01	CHARLIE LAKE P
0157 508017 2007-09-01	CHARLIE LAKE Q
0157 508018 2015-02-01	CHARLIE LAKE R
0157 508019 2008-02-01	CHARLIE LAKE S
0157 508020 2009-09-01	CHARLIE LAKE T
0157 508021 2011-11-01	CHARLIE LAKE U
0157 510001 2010-04-01	BOUNDARY A
0157 510003 2001-02-01	BOUNDARY C
0157 510004 2011-10-01	BOUNDARY D
0157 510005 2004-02-01	BOUNDARY E
0157 510006 2011-11-01	BOUNDARY F
0157 510007 2016-01-01	BOUNDARY G
0157 516001 2001-02-01	HALFWAY A
0157 516002 2001-03-01	HALFWAY B
0157 516003 2003-09-01	HALFWAY C
0157 516004 2006-10-01	HALFWAY D
0157 516005 2012-04-01	HALFWAY E
0157 516006 2007-05-01	HALFWAY F
0157 516009 2015-08-01	HALFWAY I
0157 516011 2009-07-01	HALFWAY K

POOL DESIGNATION (cont'd)

0157 516012	2013-05-01	HALFWAY L
0157 520001	2010-04-01	DOIG A
0157 524001	2001-02-01	MONTNEY A
0157 524002	2001-02-01	MONTNEY B
0157 524003	2001-02-01	MONTNEY C
0157 524004	2011-07-01	MONTNEY D
0157 556001	2001-02-01	BELLOY A
0157 606001	2010-04-01	KISKATINAW A
0157 606002	2010-04-01	KISKATINAW B
0157 606005	2001-02-01	KISKATINAW E
0157 606006	2001-02-01	KISKATINAW F
0157 606007	2010-04-01	KISKATINAW G
0157 606008	2001-02-01	KISKATINAW H
0157 606010	2001-02-01	KISKATINAW J
0157 606012	2001-02-01	KISKATINAW L
0157 606013	2001-02-01	KISKATINAW M
0157 606014	2001-02-01	KISKATINAW N
0157 606015	2001-02-01	KISKATINAW O
0157 606016	2001-02-01	KISKATINAW P
0157 606017	2001-02-01	KISKATINAW Q
0157 606018	2001-02-01	KISKATINAW R
0157 606019	2001-02-01	KISKATINAW S
0157 606020	2001-02-01	KISKATINAW T
0157 606021	2010-09-01	KISKATINAW U
0157 606022	2001-02-01	KISKATINAW V
0157 606023	2001-02-01	KISKATINAW W
0157 606024	2001-02-01	KISKATINAW X
0157 606025	2001-02-01	KISKATINAW Y
0157 606026	2001-02-01	KISKATINAW Z
0157 606027	2001-02-01	KISKATINAW AA
0157 606028	2001-11-01	KISKATINAW BB
0157 606029	2002-02-01	KISKATINAW CC
0157 606030	2002-02-01	KISKATINAW DD
0157 606031	2005-08-01	KISKATINAW EE

POOL DESIGNATION (cont'd)

0157 606032	2006-05-01	KISKATINAW FF
0157 606033	2008-09-01	KISKATINAW GG
0157 606034	2015-12-01	KISKATINAW HH
0157 606035	2009-02-01	KISKATINAW II
0157 606036	2008-10-01	KISKATINAW JJ
0157 606037	2009-12-01	KISKATINAW KK
0157 606038	2011-02-01	KISKATINAW LL
0157 606039	2011-11-01	KISKATINAW MM
0157 606040	2011-08-01	KISKATINAW NN
0157 606041	2011-12-01	KISKATINAW OO
0157 720001	2004-03-01	LEDUC A
0157 720002	2003-12-01	LEDUC B

SPACING PATTERN

SU 2929	5 May 1999
SU 2929A	20 Jun 2000
SU 2929B	31 Aug 2001
SU 2929C	7 Aug 2003

COMMINGLED PRODUCTION

MU 7905	12 Jul 2011
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ENHANCED RECOVERY SCHEMES

App 1890D	11 Feb 2016
Waterflood	
Triassic C	
Canadian Natural Resources Limited	

App 3606K	10 Mar 2017
Waterflood	
Triassic E	
Whitecap Resources Inc.	

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

App 8531L	16 Oct 2015
Waterflood	
Triassic N	
Canadian Natural Resources Limited	

App 10429C	17 Oct 2016
Waterflood	
Triassic H	
Enercapita Energy Ltd.	

App 12444	15 Sep 2015
Waterflood	
Halfway I	
Venturion Oil Limited	

SUBSURFACE DISPOSAL SCHEMES

App 8593	1 Feb 2000
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App 8593A	11 May 2000
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**SUBSURFACE DISPOSAL SCHEMES
(cont'd)**

App 8593B 15 Feb 2002

App 8593C 15 Jan 2008
Class III Acid Gas
Canadian Natural Resources Limited

FIELD DESIGNATION

0159 2001-02-01 BOUVIER FIELD

POOL DESIGNATION

0159 250001 2001-02-01 UPPER MANNVILLE A
0159 250002 2001-02-01 UPPER MANNVILLE B
0159 250003 2001-02-01 UPPER MANNVILLE C
0159 250004 2010-04-01 UPPER MANNVILLE D
0159 250005 2001-02-01 UPPER MANNVILLE E
0159 250006 2001-02-01 UPPER MANNVILLE F

0159 262001 2001-02-01 GRAND RAPIDS A
0159 262002 2001-02-01 GRAND RAPIDS B
0159 262003 2010-01-01 GRAND RAPIDS C
0159 262004 2009-04-01 GRAND RAPIDS D
0159 262005 2001-02-01 GRAND RAPIDS E
0159 262006 2001-02-01 GRAND RAPIDS F
0159 262007 2001-02-01 GRAND RAPIDS G
0159 262008 2006-02-01 GRAND RAPIDS H
0159 262009 2010-05-01 GRAND RAPIDS I

0159 306001 2001-02-01 WABISKAW A

0159 328001 2001-02-01 MCMURRAY A
0159 328002 2001-02-01 MCMURRAY B
0159 328003 2001-02-01 MCMURRAY C
0159 328004 2003-10-01 MCMURRAY D

0159 658003 2001-02-01 WABAMUN C
0159 658004 2001-02-01 WABAMUN D
0159 658005 2001-02-01 WABAMUN E
0159 658006 2007-07-01 WABAMUN F

COMMINGLED PRODUCTION

MU 5221 1 Feb 2006

SUBSURFACE DISPOSAL SCHEMES

App 3584 1 Jun 1982

SUBSURFACE DISPOSAL SCHEMES
(cont'd)

App 3584A 20 May 1999
Class II
Canadian Natural Resources Limited

FIELD DESIGNATION

0160 2008-12-01 BOW ISLAND FIELD

POOL DESIGNATION

0160 158002 2010-04-01 MILK RIVER B
0160 158003 2010-04-01 MILK RIVER C
0160 158004 2010-04-01 MILK RIVER D
0160 158005 2010-04-01 MILK RIVER E
0160 158006 2009-01-01 MILK RIVER F
0160 158007 2010-04-01 MILK RIVER G
0160 158008 2009-08-01 MILK RIVER H
0160 158009 2010-12-01 MILK RIVER I

0160 160001 2011-09-01 COLORADO A
0160 160002 2010-04-01 COLORADO B
0160 160003 2010-04-01 COLORADO C
0160 160004 2009-08-01 COLORADO D
0160 160005 2011-01-01 COLORADO E

0160 164005 2012-02-01 MEDICINE HAT E
0160 164006 2012-02-01 MEDICINE HAT F
0160 164007 2012-02-01 MEDICINE HAT G
0160 164008 2012-02-01 MEDICINE HAT H
0160 164009 2010-12-01 MEDICINE HAT I

0160 186008 2012-04-01 SECOND WHITE SPECKS H
0160 186009 2010-04-01 SECOND WHITE SPECKS I
0160 186010 2009-11-01 SECOND WHITE SPECKS J

0160 202001 2010-04-01 FISH SCALE A
0160 202002 2009-04-01 FISH SCALE B

0160 213000 2014-01-01 BOW ISLAND
0160 213003 2001-02-01 BOW ISLAND C
0160 213005 2001-02-01 BOW ISLAND E
0160 213008 2001-02-01 BOW ISLAND H

POOL DESIGNATION (cont'd)

0160 213009 2001-02-01	BOW ISLAND I
0160 213011 2001-02-01	BOW ISLAND K
0160 213012 2001-02-01	BOW ISLAND L
0160 213013 2001-02-01	BOW ISLAND M
0160 213014 2001-02-01	BOW ISLAND N
0160 213015 2001-02-01	BOW ISLAND O
0160 213016 2006-02-01	BOW ISLAND P
0160 213017 2006-02-01	BOW ISLAND Q
0160 213018 2006-03-01	BOW ISLAND R
0160 213019 2006-05-01	BOW ISLAND S
0160 213020 2006-09-01	BOW ISLAND T
0160 213021 2009-08-01	BOW ISLAND U
0160 213022 2011-06-01	BOW ISLAND V
0160 213023 2014-01-01	BOW ISLAND W
0160 300001 2005-10-01	GLAUCONITIC A
0160 300003 2001-02-01	GLAUCONITIC C
0160 300004 2001-02-01	GLAUCONITIC D
0160 300005 2012-04-01	GLAUCONITIC E
0160 300007 2001-02-01	GLAUCONITIC G
0160 300008 2008-10-01	GLAUCONITIC H
0160 310001 2001-02-01	LOWER MANNVILLE A
0160 310003 2001-02-01	LOWER MANNVILLE C
0160 310004 2001-02-01	LOWER MANNVILLE D
0160 310006 2001-02-01	LOWER MANNVILLE F
0160 428002 2001-02-01	SAWTOOTH B
0160 428003 2001-02-01	SAWTOOTH C
0160 428004 2006-01-01	SAWTOOTH D
0160 428005 2001-02-01	SAWTOOTH E
0160 428007 2010-04-01	SAWTOOTH G
0160 428011 2001-02-01	SAWTOOTH K
0160 428012 2001-02-01	SAWTOOTH L
0160 428014 2001-02-01	SAWTOOTH N
0160 428015 2001-02-01	SAWTOOTH O
0160 428016 2001-02-01	SAWTOOTH P
0160 428017 2010-04-01	SAWTOOTH Q

POOL DESIGNATION (cont'd)

0160 428018	2001-02-01	SAWTOOTH R
0160 428019	2001-02-01	SAWTOOTH S
0160 428021	2012-05-01	SAWTOOTH U
0160 428022	2001-02-01	SAWTOOTH V
0160 428024	2001-09-01	SAWTOOTH X
0160 428029	2001-02-01	SAWTOOTH CC
0160 428030	2001-02-01	SAWTOOTH DD
0160 428031	2012-04-01	SAWTOOTH EE
0160 428033	2002-04-01	SAWTOOTH GG
0160 428034	2006-04-01	SAWTOOTH HH
0160 428035	2006-12-01	SAWTOOTH II
0160 428036	2008-10-01	SAWTOOTH JJ
0160 428037	2008-10-01	SAWTOOTH KK
0160 428038	2009-12-01	SAWTOOTH LL
0160 428039	2013-05-01	SAWTOOTH MM
0160 428040	2014-10-01	SAWTOOTH NN
0160 850100	2008-07-01	MFP8501 MILK RIVER
0160 850200	2011-09-01	MFP8502 MED HAT
0160 850500	2011-01-01	MFP8505 2WS

SPACING PATTERN

SU 4334	13 Apr 2006
SU 4334A	28 Apr 2006
SU 4334B	15 Jun 2007

COMMINGLED PRODUCTION

MU 6993	21 Aug 2008
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ENHANCED RECOVERY SCHEMES

App 10694D 3 Jun 2016
Waterflood
Glaucconitic E
Ascensun Oil and Gas Ltd.

SUBSURFACE DISPOSAL SCHEMES

App 7834C 14 Feb 2012
Class II
Chinook Energy Inc.

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

App 10104C 15 Aug 2016
Class II
SanLing Energy Ltd.

App 10473A 9 May 2011
Class II
ARC Resources Ltd.

App 10559B 31 Jul 2014
Class II
Ascensun Oil and Gas Ltd.

App 10603B 25 Apr 2017
Class II
Canadian Natural Resources Limited

COMPULSORY POOLING

P 72 19 Jun 1985
Gas
35-010-11W4M
Bow Valley Industries Ltd.

FIELD DESIGNATION

0161 2008-10-01 BOYER FIELD

POOL DESIGNATION

0161 304001 2012-04-01 BLUESKY A
0161 304003 2010-04-01 BLUESKY C
0161 304008 2001-03-01 BLUESKY H
0161 304009 2001-03-01 BLUESKY I
0161 304013 2001-04-01 BLUESKY M
0161 304020 2008-01-01 BLUESKY T

0161 326001 2012-04-01 GETHING A
0161 326003 2010-04-01 GETHING C
0161 326004 2001-02-01 GETHING D
0161 326005 2001-02-01 GETHING E
0161 326006 2001-02-01 GETHING F
0161 326007 2001-02-01 GETHING G
0161 326008 2001-02-01 GETHING H
0161 326010 2012-03-01 GETHING J
0161 326012 2001-02-01 GETHING L
0161 326013 2012-04-01 GETHING M
0161 326014 2006-07-01 GETHING N
0161 326015 2001-03-01 GETHING O
0161 326016 2001-03-01 GETHING P
0161 326017 2001-03-01 GETHING Q
0161 326018 2011-05-01 GETHING R
0161 326019 2001-06-01 GETHING S
0161 326020 2002-04-01 GETHING T
0161 326021 2002-01-01 GETHING U
0161 326022 2002-01-01 GETHING V
0161 326023 2003-08-01 GETHING W
0161 326024 2003-11-01 GETHING X
0161 326025 2010-04-01 GETHING Y
0161 326026 2004-08-01 GETHING Z
0161 326027 2004-08-01 GETHING AA
0161 326028 2010-04-01 GETHING BB

POOL DESIGNATION (cont'd)

0161 326029 2008-08-01	GETHING CC
0161 326030 2005-12-01	GETHING DD
0161 326031 2006-11-01	GETHING EE
0161 326032 2007-09-01	GETHING FF
0161 326034 2008-01-01	GETHING HH
0161 326036 2008-02-01	GETHING JJ
0161 326037 2008-09-01	GETHING KK
0161 326038 2009-09-01	GETHING LL
0161 326039 2009-09-01	GETHING MM
0161 326040 2011-05-01	GETHING NN
0161 326041 2010-04-01	GETHING OO
0161 326042 2011-06-01	GETHING PP
0161 326043 2013-12-01	GETHING QQ
0161 644005 2012-04-01	BANFF E
0161 644006 2008-09-01	BANFF F

SPACING PATTERN

SU 4322 13 Feb 2006

SUBSURFACE DISPOSAL SCHEMES

App 7064G 9 Aug 2017
Class II
Long Run Exploration Ltd.

App 8620A 12 Sep 2017
Class II
Obsidian Energy Ltd.

App 11147A 11 Apr 2008
Class II
Husky Oil Operations Limited

EXPERIMENTAL SCHEMES

App 5915 23 Mar 1989
Norcen Energy Resources Ltd.

FIELD DESIGNATION

0053 2016-01-01 BRANCH FIELD

POOL DESIGNATION

0053 204001 2006-08-01 BARONS A

0053 213001 2011-09-01 BOW ISLAND A
0053 213002 2006-05-01 BOW ISLAND B
0053 213004 2007-11-01 BOW ISLAND D
0053 213005 2008-05-01 BOW ISLAND E
0053 213006 2008-05-01 BOW ISLAND F
0053 213007 2009-07-01 BOW ISLAND G
0053 213008 2011-05-01 BOW ISLAND H
0053 213009 2013-09-01 BOW ISLAND I

0053 649001 2016-01-01 LWR BANFF-EXSHAW-BV A

SPACING PATTERN

SU 4242 2 Dec 2004

FIELD DESIGNATION

0168 2017-08-01 BRAZEAU RIVER FIELD

POOL DESIGNATION

0168 106001 2001-02-01 EDMONTON A
0168 106002 2003-09-01 EDMONTON B
0168 106003 2003-10-01 EDMONTON C
0168 106004 2007-01-01 EDMONTON D
0168 106005 2010-04-01 EDMONTON E
0168 106006 2009-09-01 EDMONTON F
0168 106008 2009-03-01 EDMONTON H
0168 106009 2009-11-01 EDMONTON I
0168 106010 2010-04-01 EDMONTON J
0168 106011 2015-11-01 EDMONTON K

0168 118801 2010-04-01 LOWER EDMONTON A
0168 118818 2009-04-01 LOWER EDMONTON R
0168 118819 2012-05-01 LOWER EDMONTON S

0168 126001 2001-02-01 BELLY RIVER A
0168 126003 2010-04-01 BELLY RIVER C
0168 126004 2001-02-01 BELLY RIVER D
0168 126009 2001-02-01 BELLY RIVER I
0168 126015 2010-04-01 BELLY RIVER O
0168 126017 2001-02-01 BELLY RIVER Q
0168 126019 2001-02-01 BELLY RIVER S
0168 126021 2001-02-01 BELLY RIVER U
0168 126022 2001-02-01 BELLY RIVER V
0168 126023 2001-02-01 BELLY RIVER W
0168 126024 2017-11-01 BELLY RIVER X
0168 126027 2001-02-01 BELLY RIVER AA
0168 126032 2001-02-01 BELLY RIVER FF
0168 126039 2001-02-01 BELLY RIVER MM
0168 126040 2013-11-01 BELLY RIVER NN
0168 126041 2001-02-01 BELLY RIVER OO
0168 126042 2017-11-01 BELLY RIVER PP

POOL DESIGNATION (cont'd)

0168 126043 2001-02-01	BELLY RIVER QQ
0168 126045 2001-02-01	BELLY RIVER SS
0168 126049 2001-02-01	BELLY RIVER WW
0168 126050 2008-04-01	BELLY RIVER XX
0168 126051 2001-02-01	BELLY RIVER YY
0168 126305 2014-10-01	BELLY RIVER EEE
0168 126306 2014-03-01	BELLY RIVER FFF
0168 126309 2001-02-01	BELLY RIVER III
0168 126311 2001-02-01	BELLY RIVER KKK
0168 126312 2010-04-01	BELLY RIVER LLL
0168 126314 2016-06-01	BELLY RIVER NNN
0168 126315 2001-02-01	BELLY RIVER OOO
0168 126316 2001-02-01	BELLY RIVER PPP
0168 126320 2001-02-01	BELLY RIVER TTT
0168 126321 2001-02-01	BELLY RIVER UUU
0168 126324 2006-11-01	BELLY RIVER XXX
0168 126326 2001-02-01	BELLY RIVER ZZZ
0168 126327 2001-02-01	BELLY RIVER A2A
0168 126328 2001-02-01	BELLY RIVER B2B
0168 126329 2013-12-01	BELLY RIVER C2C
0168 126330 2001-02-01	BELLY RIVER D2D
0168 126331 2001-02-01	BELLY RIVER E2E
0168 126332 2001-02-01	BELLY RIVER F2F
0168 126333 2001-02-01	BELLY RIVER G2G
0168 126336 2001-02-01	BELLY RIVER J2J
0168 126337 2010-04-01	BELLY RIVER K2K
0168 126341 2001-07-01	BELLY RIVER O2O
0168 126342 2011-09-01	BELLY RIVER P2P
0168 126343 2010-04-01	BELLY RIVER Q2Q
0168 126344 2002-02-01	BELLY RIVER R2R
0168 126345 2002-06-01	BELLY RIVER S2S
0168 126346 2005-03-01	BELLY RIVER T2T
0168 126347 2003-09-01	BELLY RIVER U2U
0168 126350 2010-04-01	BELLY RIVER X2X
0168 126351 2003-11-01	BELLY RIVER Y2Y
0168 126352 2004-11-01	BELLY RIVER Z2Z
0168 126401 2005-03-01	BELLY RIVER A3A
0168 126402 2005-01-01	BELLY RIVER B3B

POOL DESIGNATION (cont'd)

0168 126405 2005-02-01	BELLY RIVER E3E
0168 126407 2010-08-01	BELLY RIVER G3G
0168 126408 2005-10-01	BELLY RIVER H3H
0168 126409 2005-12-01	BELLY RIVER I3I
0168 126411 2006-02-01	BELLY RIVER K3K
0168 126413 2010-04-01	BELLY RIVER M3M
0168 126414 2006-11-01	BELLY RIVER N3N
0168 126415 2011-08-01	BELLY RIVER O3O
0168 126416 2007-06-01	BELLY RIVER P3P
0168 126417 2007-06-01	BELLY RIVER Q3Q
0168 126418 2006-07-01	BELLY RIVER R3R
0168 126419 2007-11-01	BELLY RIVER S3S
0168 126420 2006-10-01	BELLY RIVER T3T
0168 126421 2006-12-01	BELLY RIVER U3U
0168 126422 2010-04-01	BELLY RIVER V3V
0168 126423 2010-04-01	BELLY RIVER W3W
0168 126424 2007-04-01	BELLY RIVER X3X
0168 126425 2007-05-01	BELLY RIVER Y3Y
0168 126426 2007-05-01	BELLY RIVER Z3Z
0168 126427 2007-05-01	BELLY RIVER A4A
0168 126429 2007-07-01	BELLY RIVER C4C
0168 126430 2010-12-01	BELLY RIVER D4D
0168 126431 2010-04-01	BELLY RIVER E4E
0168 126432 2007-07-01	BELLY RIVER F4F
0168 126433 2007-07-01	BELLY RIVER G4G
0168 126435 2007-09-01	BELLY RIVER I4I
0168 126436 2007-09-01	BELLY RIVER J4J
0168 126437 2007-11-01	BELLY RIVER K4K
0168 126438 2010-01-01	BELLY RIVER L4L
0168 126439 2010-05-01	BELLY RIVER M4M
0168 126440 2010-04-01	BELLY RIVER N4N
0168 126441 2008-02-01	BELLY RIVER O4O
0168 126442 2010-03-01	BELLY RIVER P4P
0168 126443 2008-08-01	BELLY RIVER Q4Q
0168 126444 2010-04-01	BELLY RIVER R4R
0168 126445 2008-10-01	BELLY RIVER S4S
0168 126446 2010-04-01	BELLY RIVER T4T
0168 126447 2010-04-01	BELLY RIVER U4U

POOL DESIGNATION (cont'd)

0168 126448 2008-11-01	BELLY RIVER V4V
0168 126449 2008-12-01	BELLY RIVER W4W
0168 126450 2008-12-01	BELLY RIVER X4X
0168 126451 2010-12-01	BELLY RIVER Y4Y
0168 126452 2009-01-01	BELLY RIVER Z4Z
0168 127501 2009-01-01	BELLY RIVER A5A
0168 127502 2009-01-01	BELLY RIVER B5B
0168 127503 2015-08-01	BELLY RIVER C5C
0168 127504 2009-03-01	BELLY RIVER D5D
0168 127505 2009-03-01	BELLY RIVER E5E
0168 127506 2009-03-01	BELLY RIVER F5F
0168 127507 2009-03-01	BELLY RIVER G5G
0168 127508 2009-03-01	BELLY RIVER H5H
0168 127509 2009-04-01	BELLY RIVER I5I
0168 127510 2010-12-01	BELLY RIVER J5J
0168 127513 2011-09-01	BELLY RIVER M5M
0168 127514 2009-05-01	BELLY RIVER N5N
0168 127516 2010-12-01	BELLY RIVER P5P
0168 127517 2010-12-01	BELLY RIVER Q5Q
0168 127522 2010-12-01	BELLY RIVER V5V
0168 127523 2010-02-01	BELLY RIVER W5W
0168 127524 2011-10-01	BELLY RIVER X5X
0168 127525 2010-05-01	BELLY RIVER Y5Y
0168 127526 2011-01-01	BELLY RIVER Z5Z
0168 127527 2011-01-01	BELLY RIVER A6A
0168 127528 2011-01-01	BELLY RIVER B6B
0168 127529 2017-08-01	BELLY RIVER C6C
0168 127530 2011-07-01	BELLY RIVER D6D
0168 127531 2011-09-01	BELLY RIVER E6E
0168 127532 2011-09-01	BELLY RIVER F6F
0168 127533 2011-09-01	BELLY RIVER G6G
0168 127534 2012-04-01	BELLY RIVER H6H
0168 127535 2012-08-01	BELLY RIVER I6I
0168 127536 2013-05-01	BELLY RIVER J6J
0168 127537 2013-06-01	BELLY RIVER K6K
0168 127539 2013-11-01	BELLY RIVER M6M
0168 127540 2013-11-01	BELLY RIVER N6N
0168 127541 2013-11-01	BELLY RIVER O6O

POOL DESIGNATION (cont'd)

0168 127542 2017-08-01	BELLY RIVER P6P
0168 127543 2014-07-01	BELLY RIVER Q6Q
0168 127544 2016-08-01	BELLY RIVER R6R
0168 127545 2017-04-01	BELLY RIVER S6S
0168 127546 2017-10-01	BELLY RIVER T6T
0168 127547 2017-12-01	BELLY RIVER U6U
0168 134001 2012-07-01	BASAL BELLY RIVER A
0168 134002 2005-06-01	BASAL BELLY RIVER B
0168 134003 2012-11-01	BASAL BELLY RIVER C
0168 134004 2012-04-01	BASAL BELLY RIVER D
0168 134005 2005-06-01	BASAL BELLY RIVER E
0168 134006 2005-06-01	BASAL BELLY RIVER F
0168 134007 2005-06-01	BASAL BELLY RIVER G
0168 134008 2010-04-01	BASAL BELLY RIVER H
0168 134009 2010-08-01	BASAL BELLY RIVER I
0168 134010 2005-06-01	BASAL BELLY RIVER J
0168 134011 2009-03-01	BASAL BELLY RIVER K
0168 134012 2009-03-01	BASAL BELLY RIVER L
0168 134013 2011-05-01	BASAL BELLY RIVER M
0168 134014 2010-04-01	BASAL BELLY RIVER N
0168 134015 2005-06-01	BASAL BELLY RIVER O
0168 134016 2005-06-01	BASAL BELLY RIVER P
0168 134017 2005-06-01	BASAL BELLY RIVER Q
0168 134018 2005-06-01	BASAL BELLY RIVER R
0168 134019 2005-06-01	BASAL BELLY RIVER S
0168 134020 2010-04-01	BASAL BELLY RIVER T
0168 134021 2005-06-01	BASAL BELLY RIVER U
0168 134022 2005-06-01	BASAL BELLY RIVER V
0168 134023 2015-09-01	BASAL BELLY RIVER W
0168 134024 2012-12-01	BASAL BELLY RIVER X
0168 134025 2005-06-01	BASAL BELLY RIVER Y
0168 134026 2005-06-01	BASAL BELLY RIVER Z
0168 134027 2005-06-01	BASAL BELLY RIVER AA
0168 134028 2005-06-01	BASAL BELLY RIVER BB
0168 134029 2005-06-01	BASAL BELLY RIVER CC
0168 134030 2005-06-01	BASAL BELLY RIVER DD
0168 134031 2005-06-01	BASAL BELLY RIVER EE

POOL DESIGNATION (cont'd)

0168 134032 2005-06-01	BASAL BELLY RIVER FF
0168 134033 2005-06-01	BASAL BELLY RIVER GG
0168 134034 2010-04-01	BASAL BELLY RIVER HH
0168 134035 2005-09-01	BASAL BELLY RIVER II
0168 134036 2006-02-01	BASAL BELLY RIVER JJ
0168 134037 2006-04-01	BASAL BELLY RIVER KK
0168 134038 2008-07-01	BASAL BELLY RIVER LL
0168 134039 2008-05-01	BASAL BELLY RIVER MM
0168 134040 2010-04-01	BASAL BELLY RIVER NN
0168 134041 2008-10-01	BASAL BELLY RIVER OO
0168 134042 2010-04-01	BASAL BELLY RIVER PP
0168 134043 2010-04-01	BASAL BELLY RIVER QQ
0168 134044 2011-09-01	BASAL BELLY RIVER RR
0168 134046 2010-04-01	BASAL BELLY RIVER TT
0168 134047 2010-04-01	BASAL BELLY RIVER UU
0168 134048 2010-11-01	BASAL BELLY RIVER VV
0168 134049 2015-12-01	BASAL BELLY RIVER WW
0168 176001 2001-02-01	CARDIUM A
0168 176003 2010-04-01	CARDIUM C
0168 176004 2001-02-01	CARDIUM D
0168 176007 2001-02-01	CARDIUM G
0168 176009 2001-02-01	CARDIUM I
0168 176011 2010-04-01	CARDIUM K
0168 176015 2001-02-01	CARDIUM O
0168 176016 2006-08-01	CARDIUM P
0168 176017 2001-02-01	CARDIUM Q
0168 176022 2001-02-01	CARDIUM V
0168 176023 2001-02-01	CARDIUM W
0168 176024 2001-02-01	CARDIUM X
0168 176025 2001-02-01	CARDIUM Y
0168 176026 2003-04-01	CARDIUM Z
0168 176027 2001-02-01	CARDIUM AA
0168 176028 2012-01-01	CARDIUM BB
0168 176029 2006-05-01	CARDIUM CC
0168 176031 2006-09-01	CARDIUM EE
0168 176032 2010-04-01	CARDIUM FF
0168 176034 2010-04-01	CARDIUM HH

POOL DESIGNATION (cont'd)

0168 176035 2011-08-01	CARDIUM II
0168 176036 2010-04-01	CARDIUM JJ
0168 176037 2009-12-01	CARDIUM KK
0168 176042 2012-02-01	CARDIUM PP
0168 176043 2011-10-01	CARDIUM QQ
0168 176044 2011-09-01	CARDIUM RR
0168 176045 2015-02-01	CARDIUM SS
0168 176048 2014-05-01	CARDIUM VV
0168 176049 2016-09-01	CARDIUM WW
0168 176050 2014-04-01	CARDIUM XX
0168 176051 2017-11-01	CARDIUM YY
0168 176052 2016-12-01	CARDIUM ZZ
0168 176301 2017-01-01	CARDIUM AAA
0168 186002 2001-02-01	SECOND WHITE SPECKS B
0168 186003 2001-02-01	SECOND WHITE SPECKS C
0168 186004 2006-03-01	SECOND WHITE SPECKS D
0168 186005 2007-04-01	SECOND WHITE SPECKS E
0168 186006 2011-05-01	SECOND WHITE SPECKS F
0168 218001 2001-02-01	VIKING A
0168 218004 2012-04-01	VIKING D
0168 218005 2003-09-01	VIKING E
0168 218006 2003-09-01	VIKING F
0168 218007 2013-07-01	VIKING G
0168 218012 2006-08-01	VIKING L
0168 218013 2006-10-01	VIKING M
0168 218023 2010-12-01	VIKING W
0168 218024 2011-02-01	VIKING X
0168 250001 2007-07-01	UPPER MANNVILLE A
0168 250002 2011-02-01	UPPER MANNVILLE B
0168 250004 2010-04-01	UPPER MANNVILLE D
0168 250005 2015-12-01	UPPER MANNVILLE E
0168 250007 2010-04-01	UPPER MANNVILLE G
0168 250008 2010-04-01	UPPER MANNVILLE H
0168 250011 2007-10-01	UPPER MANNVILLE K
0168 250013 2016-02-01	UPPER MANNVILLE M

POOL DESIGNATION (cont'd)

0168 250015 2010-04-01	UPPER MANNVILLE O
0168 250016 2010-12-01	UPPER MANNVILLE P
0168 250018 2008-11-01	UPPER MANNVILLE R
0168 250019 2013-04-01	UPPER MANNVILLE S
0168 250020 2009-07-01	UPPER MANNVILLE T
0168 250021 2013-08-01	UPPER MANNVILLE U
0168 250024 2010-04-01	UPPER MANNVILLE X
0168 250025 2012-10-01	UPPER MANNVILLE Y
0168 250026 2015-11-01	UPPER MANNVILLE Z
0168 250027 2011-01-01	UPPER MANNVILLE AA
0168 250028 2011-02-01	UPPER MANNVILLE BB
0168 250030 2011-02-01	UPPER MANNVILLE DD
0168 250032 2011-05-01	UPPER MANNVILLE FF
0168 250033 2013-01-01	UPPER MANNVILLE GG
0168 250034 2011-05-01	UPPER MANNVILLE HH
0168 250035 2012-02-01	UPPER MANNVILLE II
0168 250036 2011-08-01	UPPER MANNVILLE JJ
0168 250037 2013-08-01	UPPER MANNVILLE KK
0168 250038 2013-11-01	UPPER MANNVILLE LL
0168 250039 2015-12-01	UPPER MANNVILLE MM
0168 250040 2014-11-01	UPPER MANNVILLE NN
0168 250041 2015-01-01	UPPER MANNVILLE OO
0168 250043 2015-12-01	UPPER MANNVILLE QQ
0168 250044 2015-12-01	UPPER MANNVILLE RR
0168 250045 2015-12-01	UPPER MANNVILLE SS
0168 250046 2015-12-01	UPPER MANNVILLE TT
0168 250047 2016-02-01	UPPER MANNVILLE UU
0168 250048 2016-07-01	UPPER MANNVILLE VV
0168 250049 2016-01-01	UPPER MANNVILLE WW
0168 250050 2016-01-01	UPPER MANNVILLE XX
0168 250051 2016-02-01	UPPER MANNVILLE YY
0168 250052 2016-02-01	UPPER MANNVILLE ZZ
0168 266004 2006-11-01	NOTIKEWIN D
0168 266005 2012-05-01	NOTIKEWIN E
0168 266006 2008-03-01	NOTIKEWIN F
0168 300001 2001-02-01	GLAUCONITIC A

POOL DESIGNATION (cont'd)

0168 300002 2001-02-01	GLAUCONITIC B
0168 300003 2010-04-01	GLAUCONITIC C
0168 300005 2007-01-01	GLAUCONITIC E
0168 300006 2006-10-01	GLAUCONITIC F
0168 300007 2010-04-01	GLAUCONITIC G
0168 300009 2011-08-01	GLAUCONITIC I
0168 310001 2001-02-01	LOWER MANNVILLE A
0168 310002 2001-02-01	LOWER MANNVILLE B
0168 310003 2001-02-01	LOWER MANNVILLE C
0168 310004 2007-05-01	LOWER MANNVILLE D
0168 310006 2001-02-01	LOWER MANNVILLE F
0168 310008 2013-06-01	LOWER MANNVILLE H
0168 310009 2001-02-01	LOWER MANNVILLE I
0168 310010 2001-02-01	LOWER MANNVILLE J
0168 310011 2001-02-01	LOWER MANNVILLE K
0168 310012 2001-02-01	LOWER MANNVILLE L
0168 310015 2012-06-01	LOWER MANNVILLE O
0168 310016 2001-02-01	LOWER MANNVILLE P
0168 310017 2001-02-01	LOWER MANNVILLE Q
0168 310018 2001-02-01	LOWER MANNVILLE R
0168 310019 2008-05-01	LOWER MANNVILLE S
0168 310020 2001-02-01	LOWER MANNVILLE T
0168 310021 2001-02-01	LOWER MANNVILLE U
0168 310022 2002-02-01	LOWER MANNVILLE V
0168 310023 2008-03-01	LOWER MANNVILLE W
0168 310024 2011-08-01	LOWER MANNVILLE X
0168 310025 2010-05-01	LOWER MANNVILLE Y
0168 310026 2003-06-01	LOWER MANNVILLE Z
0168 310027 2003-07-01	LOWER MANNVILLE AA
0168 310028 2003-12-01	LOWER MANNVILLE BB
0168 310030 2010-01-01	LOWER MANNVILLE DD
0168 310031 2004-06-01	LOWER MANNVILLE EE
0168 310032 2004-07-01	LOWER MANNVILLE FF
0168 310034 2005-06-01	LOWER MANNVILLE HH
0168 310035 2010-04-01	LOWER MANNVILLE II
0168 310036 2010-04-01	LOWER MANNVILLE JJ
0168 310037 2017-09-01	LOWER MANNVILLE KK

POOL DESIGNATION (cont'd)

0168 310039 2010-04-01	LOWER MANNVILLE MM
0168 310040 2007-01-01	LOWER MANNVILLE NN
0168 310041 2007-07-01	LOWER MANNVILLE OO
0168 310042 2007-05-01	LOWER MANNVILLE PP
0168 310045 2007-07-01	LOWER MANNVILLE SS
0168 310048 2008-10-01	LOWER MANNVILLE VV
0168 310049 2007-08-01	LOWER MANNVILLE WW
0168 310050 2013-04-01	LOWER MANNVILLE XX
0168 310052 2008-11-01	LOWER MANNVILLE ZZ
0168 310101 2010-04-01	LOWER MANNVILLE AAA
0168 310108 2009-04-01	LOWER MANNVILLE HHH
0168 310110 2013-07-01	LOWER MANNVILLE JJJ
0168 310115 2009-09-01	LOWER MANNVILLE OOO
0168 310116 2010-07-01	LOWER MANNVILLE PPP
0168 310117 2010-04-01	LOWER MANNVILLE QQQ
0168 310118 2011-10-01	LOWER MANNVILLE RRR
0168 310119 2010-07-01	LOWER MANNVILLE SSS
0168 310120 2010-11-01	LOWER MANNVILLE TTT
0168 310121 2011-02-01	LOWER MANNVILLE UUU
0168 310122 2011-10-01	LOWER MANNVILLE VVV
0168 310123 2011-10-01	LOWER MANNVILLE WWW
0168 310125 2011-12-01	LOWER MANNVILLE YYY
0168 310126 2013-07-01	LOWER MANNVILLE ZZZ
0168 310127 2013-03-01	LOWER MANNVILLE A2A
0168 310128 2013-08-01	LOWER MANNVILLE B2B
0168 310129 2014-03-01	LOWER MANNVILLE C2C
0168 316001 2001-03-01	OSTRACOD A
0168 316002 2003-07-01	OSTRACOD B
0168 316003 2003-05-01	OSTRACOD C
0168 316007 2010-04-01	OSTRACOD G
0168 348001 2010-04-01	CADOMIN A
0168 348002 2001-02-01	CADOMIN B
0168 432001 2012-06-01	ROCK CREEK A
0168 432002 2017-11-01	ROCK CREEK B
0168 432004 2012-04-01	ROCK CREEK D

POOL DESIGNATION (cont'd)

0168 432005 2001-02-01	ROCK CREEK E
0168 432006 2010-04-01	ROCK CREEK F
0168 432007 2004-01-01	ROCK CREEK G
0168 432008 2001-02-01	ROCK CREEK H
0168 432009 2001-02-01	ROCK CREEK I
0168 432011 2007-02-01	ROCK CREEK K
0168 432012 2010-04-01	ROCK CREEK L
0168 432013 2012-01-01	ROCK CREEK M
0168 432016 2001-03-01	ROCK CREEK P
0168 432017 2001-06-01	ROCK CREEK Q
0168 432019 2010-04-01	ROCK CREEK S
0168 432021 2003-04-01	ROCK CREEK U
0168 432022 2003-06-01	ROCK CREEK V
0168 432023 2004-05-01	ROCK CREEK W
0168 432024 2004-08-01	ROCK CREEK X
0168 432025 2004-11-01	ROCK CREEK Y
0168 432026 2005-06-01	ROCK CREEK Z
0168 432029 2010-04-01	ROCK CREEK CC
0168 432030 2005-05-01	ROCK CREEK DD
0168 432033 2005-10-01	ROCK CREEK GG
0168 432036 2006-04-01	ROCK CREEK JJ
0168 432037 2015-12-01	ROCK CREEK KK
0168 432038 2017-09-01	ROCK CREEK LL
0168 432040 2010-04-01	ROCK CREEK NN
0168 432041 2008-08-01	ROCK CREEK OO
0168 432045 2010-04-01	ROCK CREEK SS
0168 432046 2007-07-01	ROCK CREEK TT
0168 432049 2010-04-01	ROCK CREEK WW
0168 432051 2010-01-01	ROCK CREEK YY
0168 432052 2008-05-01	ROCK CREEK ZZ
0168 432502 2008-09-01	ROCK CREEK BBB
0168 432503 2013-06-01	ROCK CREEK CCC
0168 432504 2010-04-01	ROCK CREEK DDD
0168 432505 2010-07-01	ROCK CREEK EEE
0168 432507 2010-04-01	ROCK CREEK GGG
0168 432513 2011-01-01	ROCK CREEK MMM
0168 432514 2011-01-01	ROCK CREEK NNN
0168 432515 2011-12-01	ROCK CREEK OOO

POOL DESIGNATION (cont'd)

0168 432516 2012-09-01	ROCK CREEK PPP
0168 432517 2012-11-01	ROCK CREEK QQQ
0168 432520 2013-03-01	ROCK CREEK TTT
0168 432521 2013-03-01	ROCK CREEK UUU
0168 432522 2013-09-01	ROCK CREEK VVV
0168 432523 2014-03-01	ROCK CREEK WWW
0168 432524 2014-11-01	ROCK CREEK XXX
0168 432525 2017-11-01	ROCK CREEK YYY
0168 432526 2014-07-01	ROCK CREEK ZZZ
0168 432527 2015-08-01	ROCK CREEK A2A
0168 432528 2016-01-01	ROCK CREEK B2B
0168 432529 2016-04-01	ROCK CREEK C2C
0168 444001 2005-07-01	NORDEGG A
0168 444002 2008-04-01	NORDEGG B
0168 444003 2010-07-01	NORDEGG C
0168 444004 2009-01-01	NORDEGG D
0168 444005 2012-03-01	NORDEGG E
0168 444006 2012-10-01	NORDEGG F
0168 444007 2016-05-01	NORDEGG G
0168 639001 2012-06-01	ELKTON-SHUNDA A
0168 639002 2012-08-01	ELKTON-SHUNDA B
0168 639003 2001-02-01	ELKTON-SHUNDA C
0168 639004 2001-02-01	ELKTON-SHUNDA D
0168 639005 2001-02-01	ELKTON-SHUNDA E
0168 639006 2009-09-01	ELKTON-SHUNDA F
0168 639008 2002-10-01	ELKTON-SHUNDA H
0168 639010 2005-10-01	ELKTON-SHUNDA J
0168 640005 2001-02-01	SHUNDA E
0168 640006 2002-06-01	SHUNDA F
0168 640008 2004-05-01	SHUNDA H
0168 640009 2004-12-01	SHUNDA I
0168 640010 2014-06-01	SHUNDA J
0168 640011 2006-12-01	SHUNDA K
0168 640012 2006-12-01	SHUNDA L

POOL DESIGNATION (cont'd)

0168 680001 2001-02-01	BLUERIDGE A
0168 680002 2001-02-01	BLUERIDGE B
0168 696003 2001-02-01	NISKU C
0168 696004 2001-02-01	NISKU D
0168 696005 2001-02-01	NISKU E
0168 696006 2001-02-01	NISKU F
0168 696007 2001-02-01	NISKU G
0168 696008 2001-02-01	NISKU H
0168 696009 2003-03-01	NISKU I
0168 696010 2001-02-01	NISKU J
0168 696011 2001-02-01	NISKU K
0168 696012 2001-02-01	NISKU L
0168 696013 2001-02-01	NISKU M
0168 696014 2001-02-01	NISKU N
0168 696016 2010-04-01	NISKU P
0168 696017 2001-02-01	NISKU Q
0168 696018 2001-02-01	NISKU R
0168 696019 2010-04-01	NISKU S
0168 696021 2001-02-01	NISKU U
0168 696022 2001-02-01	NISKU V
0168 696023 2001-02-01	NISKU W
0168 696024 2001-02-01	NISKU X
0168 696025 2001-02-01	NISKU Y
0168 696026 2001-02-01	NISKU Z
0168 696028 2002-01-01	NISKU BB
0168 696029 2002-03-01	NISKU CC
0168 696030 2002-06-01	NISKU DD
0168 696031 2002-06-01	NISKU EE
0168 696032 2002-11-01	NISKU FF
0168 696033 2003-05-01	NISKU GG
0168 696034 2003-05-01	NISKU HH
0168 696036 2003-11-01	NISKU JJ
0168 696039 2005-12-01	NISKU MM
0168 696040 2006-04-01	NISKU NN
0168 696041 2006-07-01	NISKU OO
0168 696043 2007-11-01	NISKU QQ

POOL DESIGNATION (cont'd)

0168 696046 2008-09-01 NISKU TT
0168 696047 2011-01-01 NISKU UU

SPACING PATTERN

SU 3093 22 Feb 2002
SU 3093A 25 Apr 2002
SU 3093B 12 Apr 2005
SU 3093C 4 Aug 2005
SU 3093D 12 Jul 2006
SU 3093E 24 Nov 2006
SU 3093F 30 Mar 2007
SU 3093G 19 Oct 2007

MISCELLANEOUS ORDERS

MISC 6229 3 May 1962
Oil production allowable
Texaco HB Dismal Creek
6-28-47-14 W5M

COMMINGLED PRODUCTION

MU 8680 9 Oct 2014

GAS CYCLING

App 7529C 23 Mar 2017
By gas blowdown
Nisku M
Tidewater Midstream and Infrastructure Ltd.

App 7646D 23 Mar 2017
By gas blowdown
Nisku F
Tidewater Midstream and Infrastructure Ltd.

GAS CYCLING (cont'd)

App 8094D 11 Dec 2013
By gas blowdown
Nisku W
Apache Canada Ltd.

App 8095D 11 Dec 2013
By gas blowdown
Nisku S
Apache Canada Ltd.

App 8467E 11 Dec 2013
By gas blowdown
Nisku P
Apache Canada Ltd.

GAS STORAGE SCHEMES

App 11904 11 Sep 2012
Nisku E
Wild Rose Energy Ltd.

ENHANCED RECOVERY SCHEMES

App 6544J 11 Oct 2017
Waterflood
Viking D
Cenovus Energy Inc.

App 6022E 10 Jun 2015
Waterflood
Nisku L
Blaze Energy Ltd.

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

App 6225I 9 Nov 2016
Waterflood
Basal Belly River D
Boulder Energy Ltd.

App 6315C 10 Jun 2015
Waterflood
Nisku X
Blaze Energy Ltd.

App 6837H 24 Jul 2014
Waterflood
Belly River FF
Deethree Exploration Ltd.

App 7168K 19 Sep 2016
Waterflood
Basal Belly River M
Boulder Energy Ltd.

App 7986F 4 Mar 2015
Other
Nisku D
Wild Rose Energy Ltd.

App 8218F 8 Sep 2016
Waterflood
Belly River X
Boulder Energy Ltd.

App 10016C 5 May 2014
Chemical
Nisku B
Penn West Petroleum Ltd.

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

App 12485 19 Feb 2016
Gas
Belly River C6C
Boulder Energy Ltd.

App 12504 18 Apr 2016
Gas
Belly River P6P
Boulder Energy Ltd.

App 12592A 26 Jun 2017
Gas
Belly River C6C
Boulder Energy Ltd.

App 12609A 12 Jul 2017
Gas
Belly River P6P
Boulder Energy Ltd.

App 12606 3 May 2017
Gas
Nisku M
Tidewater Midstream and Infrastructure Ltd.

App 12608 3 May 2017
Gas
Nisku F
Tidewater Midstream and Infrastructure Ltd.

App 12649 10 Jul 2017
Gas
Belly River S6S
Boulder Energy Ltd.

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

App 12657 14 Aug 2017
Gas
Belly River X
Boulder Energy Ltd.

App 12659 24 Aug 2017
Gas
Belly River PP
Boulder Energy Ltd.

App 12657A 17 Nov 2017
Gas
Belly River X
Boulder Energy Ltd.

SUBSURFACE DISPOSAL SCHEMES

App 6122E 9 Jun 2010
Class II
Keyera Energy Ltd.

App 8225B 12 Aug 2015
Class Ib
Boulder Energy Ltd.

App 9247 28 Nov 2002

App 9247A 30 Jun 2005

App 9247B 18 Oct 2007

App 9247C 23 Oct 2007

App 9247D 11 Jan 2008
Class III Acid Gas
Keyera Energy Ltd.

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

App 11118C 4 Aug 2017
Class III Acid Gas
Keyera Energy Ltd.

App 11323B 13 Apr 2012
Class Ib
Tervita Corporation

App 11366B 25 May 2017
Class Ib
Keyera Energy Ltd.

App 11772A 21 Dec 2016
Class Ib
Tidewater Midstream and Infrastructure Ltd.

App 12565 11 Oct 2016
Class II & Ib
Westbrick Energy Ltd.

COMPULSORY POOLING

P 108 25 Nov 1991
P 108A 23 Jan 1998
Gas
04-047-14W5M
Penn West Petroleum Ltd.

FIELD DESIGNATION

0134 2001-02-01

BREMNER FIELD

FIELD DESIGNATION

0026 2001-02-01 BRIDGE FIELD

POOL DESIGNATION

0026 444001 2001-02-01 NORDEGG A

0026 444002 2001-03-01 NORDEGG B

0026 644001 2008-10-01 BANFF A

FIELD DESIGNATION

0170 2008-02-01 BRIKER FIELD

POOL DESIGNATION

0170 211001 2005-05-01 LOWER COLORADO A
0170 211002 2005-03-01 LOWER COLORADO B
0170 211003 2014-01-01 LOWER COLORADO C
0170 211004 2012-07-01 LOWER COLORADO D

0170 218001 2005-05-01 VIKING A
0170 218002 2005-03-01 VIKING B
0170 218003 2014-01-01 VIKING C
0170 218004 2012-07-01 VIKING D
0170 218005 2013-07-01 VIKING E

0170 256001 2001-02-01 COLONY A
0170 256002 2001-02-01 COLONY B
0170 256003 2001-02-01 COLONY C
0170 256004 2001-12-01 COLONY D
0170 256005 2001-06-01 COLONY E
0170 256006 2008-02-01 COLONY F
0170 256007 2008-11-01 COLONY G

SPACING PATTERN

SU 4292 28 Jul 2005

COMMINGLED PRODUCTION

MU 3914 1 Dec 2004

FIELD DESIGNATION

0066 2013-02-01 BRINTNELL FIELD

POOL DESIGNATION

0066 306001 2003-07-01 WABISKAW A

0066 306002 2003-08-01 WABISKAW B

0066 306003 2013-02-01 WABISKAW C

0066 328001 2004-10-01 MCMURRAY A

COMMINGLED PRODUCTION

MU 5193 31 Jan 2006

SUBSURFACE DISPOSAL SCHEMES

App 8309F 13 Dec 2016
Class Ib
Canadian Natural Resources Limited

FIELD DESIGNATION

0067 2010-04-01 BRITTS FIELD

POOL DESIGNATION

0067 304001 2010-04-01 BLUESKY A

0067 326001 2002-02-01 GETHING A

SPACING PATTERN

SU 2625 7 Mar 1996

FIELD DESIGNATION

0135 2001-02-01 BRONSON FIELD

POOL DESIGNATION

0135 126001 2003-09-01 BELLY RIVER A

0135 264001 2011-07-01 SPIRIT RIVER A

0135 304001 2001-02-01 BLUESKY A

0135 304002 2008-09-01 BLUESKY B

0135 326001 2001-02-01 GETHING A

0135 326002 2001-02-01 GETHING B

0135 326003 2001-02-01 GETHING C

0135 326004 2001-02-01 GETHING D

0135 326005 2001-02-01 GETHING E

0135 326006 2017-07-01 GETHING F

0135 326007 2001-03-01 GETHING G

0135 326008 2001-07-01 GETHING H

0135 326009 2001-07-01 GETHING I

0135 326010 2002-02-01 GETHING J

0135 326011 2007-01-01 GETHING K

0135 326012 2007-07-01 GETHING L

0135 326013 2007-07-01 GETHING M

0135 326014 2008-09-01 GETHING N

0135 642001 2003-07-01 PEKISKO A

0135 658001 2001-02-01 WABAMUN A

0135 658002 2012-03-01 WABAMUN B

COMMINGLED PRODUCTION

MU 1500 7 Aug 1997

FIELD DESIGNATION

0172 2010-10-01 BROOKS FIELD

POOL DESIGNATION

0172 134001 2010-04-01 BASAL BELLY RIVER A

0172 134002 2011-01-01 BASAL BELLY RIVER B

0172 142001 2011-03-01 PAKOWKI A

0172 250001 2006-01-01 UPPER MANNVILLE A

0172 850100 2010-10-01 MFP8501 MILK RIVER

0172 850200 2017-07-01 MFP8502 MED HAT

0172 850500 2017-02-01 MFP8505 2WS

0172 855000 2012-05-01 MFP8550 BELLY RIVER

SPACING PATTERN

SU 3056 5 Oct 2001

SU 3056A 10 Aug 2004

SU 3056B 24 May 2007

SU 3056C 18 Oct 2007

COMMINGLED PRODUCTION

MU 7615 8 Dec 2010

FIELD DESIGNATION

0074 2009-08-01 BROWN CREEK FIELD

POOL DESIGNATION

0074 176001 2013-09-01 CARDIUM A
0074 176002 2001-02-01 CARDIUM B
0074 176003 2001-02-01 CARDIUM C
0074 176004 2001-02-01 CARDIUM D
0074 176005 2001-02-01 CARDIUM E
0074 176006 2011-12-01 CARDIUM F
0074 176007 2001-02-01 CARDIUM G
0074 176008 2001-02-01 CARDIUM H
0074 176009 2001-03-01 CARDIUM I
0074 176010 2001-06-01 CARDIUM J
0074 176011 2003-09-01 CARDIUM K
0074 176012 2010-04-01 CARDIUM L
0074 176013 2014-02-01 CARDIUM M
0074 176014 2016-10-01 CARDIUM N

0074 630001 2006-09-01 TURNER VALLEY A
0074 630002 2010-04-01 TURNER VALLEY B
0074 630003 2006-04-01 TURNER VALLEY C
0074 630004 2001-11-01 TURNER VALLEY D
0074 630007 2005-05-01 TURNER VALLEY G
0074 630008 2005-06-01 TURNER VALLEY H
0074 630009 2010-04-01 TURNER VALLEY I
0074 630010 2012-01-01 TURNER VALLEY J
0074 630011 2011-01-01 TURNER VALLEY K

0074 658001 2010-04-01 WABAMUN A

SPACING PATTERN

SU 4006 16 May 2002
SU 4006A 28 Aug 2002
SU 4006B 2 May 2003
SU 4006C 20 Jun 2003

COMMINGLED PRODUCTION

MU 7487 16 Jul 2010

FIELD DESIGNATION

0174 2014-03-01 BRUCE FIELD

POOL DESIGNATION

0174 118801 2009-04-01 LOWER EDMONTON A

0174 126001 2001-02-01 BELLY RIVER A
0174 126002 2001-02-01 BELLY RIVER B
0174 126003 2001-02-01 BELLY RIVER C
0174 126004 2001-02-01 BELLY RIVER D
0174 126009 2010-04-01 BELLY RIVER I
0174 126012 2001-02-01 BELLY RIVER L
0174 126013 2011-04-01 BELLY RIVER M
0174 126017 2001-02-01 BELLY RIVER Q
0174 126018 2001-02-01 BELLY RIVER R
0174 126025 2001-02-01 BELLY RIVER Y
0174 126028 2001-02-01 BELLY RIVER BB
0174 126029 2001-02-01 BELLY RIVER CC
0174 126032 2006-10-01 BELLY RIVER FF
0174 126034 2001-02-01 BELLY RIVER HH
0174 126035 2001-02-01 BELLY RIVER II
0174 126036 2001-02-01 BELLY RIVER JJ
0174 126038 2001-02-01 BELLY RIVER LL
0174 126039 2001-02-01 BELLY RIVER MM
0174 126040 2001-02-01 BELLY RIVER NN
0174 126042 2010-04-01 BELLY RIVER PP
0174 126048 2001-02-01 BELLY RIVER VV
0174 126050 2001-02-01 BELLY RIVER XX
0174 126051 2010-04-01 BELLY RIVER YY
0174 126052 2001-02-01 BELLY RIVER ZZ
0174 126301 2001-02-01 BELLY RIVER AAA
0174 126302 2001-02-01 BELLY RIVER BBB
0174 126304 2001-02-01 BELLY RIVER DDD
0174 126308 2001-02-01 BELLY RIVER HHH
0174 126310 2001-02-01 BELLY RIVER JJJ
0174 126311 2001-02-01 BELLY RIVER KKK

POOL DESIGNATION (cont'd)

0174 126312 2010-04-01	BELLY RIVER LLL
0174 126313 2001-02-01	BELLY RIVER MMM
0174 126314 2001-02-01	BELLY RIVER NNN
0174 126318 2001-03-01	BELLY RIVER RRR
0174 126319 2001-11-01	BELLY RIVER SSS
0174 126320 2001-12-01	BELLY RIVER TTT
0174 126325 2005-03-01	BELLY RIVER YYY
0174 126327 2005-06-01	BELLY RIVER A2A
0174 126328 2006-07-01	BELLY RIVER B2B
0174 126329 2007-07-01	BELLY RIVER C2C
0174 126330 2007-07-01	BELLY RIVER D2D
0174 126331 2007-12-01	BELLY RIVER E2E
0174 126333 2008-11-01	BELLY RIVER G2G
0174 126334 2010-02-01	BELLY RIVER H2H
0174 126335 2010-05-01	BELLY RIVER I2I
0174 126336 2010-08-01	BELLY RIVER J2J
0174 126337 2010-10-01	BELLY RIVER K2K
0174 126338 2011-04-01	BELLY RIVER L2L
0174 126341 2011-08-01	BELLY RIVER O2O
0174 126342 2013-04-01	BELLY RIVER P2P
0174 134001 2005-06-01	BASAL BELLY RIVER A
0174 134004 2005-06-01	BASAL BELLY RIVER D
0174 134006 2005-06-01	BASAL BELLY RIVER F
0174 134007 2005-06-01	BASAL BELLY RIVER G
0174 134008 2005-06-01	BASAL BELLY RIVER H
0174 134009 2006-12-01	BASAL BELLY RIVER I
0174 134010 2010-04-01	BASAL BELLY RIVER J
0174 134011 2005-06-01	BASAL BELLY RIVER K
0174 134012 2005-06-01	BASAL BELLY RIVER L
0174 134013 2005-06-01	BASAL BELLY RIVER M
0174 134014 2005-06-01	BASAL BELLY RIVER N
0174 134015 2005-06-01	BASAL BELLY RIVER O
0174 134017 2005-06-01	BASAL BELLY RIVER Q
0174 134018 2005-06-01	BASAL BELLY RIVER R
0174 134019 2005-06-01	BASAL BELLY RIVER S
0174 134020 2005-06-01	BASAL BELLY RIVER T
0174 134021 2005-06-01	BASAL BELLY RIVER U

POOL DESIGNATION (cont'd)

0174 134022 2005-06-01	BASAL BELLY RIVER V
0174 134023 2010-12-01	BASAL BELLY RIVER W
0174 134024 2005-06-01	BASAL BELLY RIVER X
0174 134025 2005-06-01	BASAL BELLY RIVER Y
0174 134026 2005-06-01	BASAL BELLY RIVER Z
0174 134027 2005-06-01	BASAL BELLY RIVER AA
0174 134028 2007-08-01	BASAL BELLY RIVER BB
0174 134031 2007-02-01	BASAL BELLY RIVER EE
0174 134033 2010-02-01	BASAL BELLY RIVER GG
0174 134034 2011-04-01	BASAL BELLY RIVER HH
0174 134035 2012-01-01	BASAL BELLY RIVER II
0174 160001 2015-02-01	COLORADO A
0174 160002 2016-06-01	COLORADO B
0174 176001 2009-03-01	CARDIUM A
0174 186001 2016-06-01	SECOND WHITE SPECKS A
0174 202001 2016-06-01	FISH SCALE A
0174 216005 2001-02-01	UPPER VIKING E
0174 216009 2001-02-01	UPPER VIKING I
0174 216010 2001-02-01	UPPER VIKING J
0174 216011 2001-07-01	UPPER VIKING K
0174 216012 2004-05-01	UPPER VIKING L
0174 216013 2005-05-01	UPPER VIKING M
0174 216014 2008-03-01	UPPER VIKING N
0174 218012 2010-04-01	VIKING L
0174 218013 2007-02-01	VIKING M
0174 218014 2007-07-01	VIKING N
0174 218015 2010-04-01	VIKING O
0174 218016 2007-09-01	VIKING P
0174 218017 2007-10-01	VIKING Q
0174 218018 2007-10-01	VIKING R
0174 218019 2008-05-01	VIKING S
0174 218020 2009-08-01	VIKING T

POOL DESIGNATION (cont'd)

0174 218021 2011-04-01	VIKING U
0174 218022 2013-08-01	VIKING V
0174 218023 2012-05-01	VIKING W
0174 218024 2013-07-01	VIKING X
0174 218025 2013-09-01	VIKING Y
0174 218026 2014-09-01	VIKING Z
0174 218027 2014-09-01	VIKING AA
0174 218602 2005-10-01	UPPER & MIDDLE VIK B
0174 221004 2001-02-01	MIDDLE VIKING D
0174 221006 2001-02-01	MIDDLE VIKING F
0174 221007 2001-02-01	MIDDLE VIKING G
0174 224001 2001-02-01	LOWER VIKING A
0174 224002 2010-04-01	LOWER VIKING B
0174 224003 2001-02-01	LOWER VIKING C
0174 224004 2005-02-01	LOWER VIKING D
0174 224005 2005-02-01	LOWER VIKING E
0174 250001 2001-02-01	UPPER MANNVILLE A
0174 250004 2001-02-01	UPPER MANNVILLE D
0174 250005 2001-11-01	UPPER MANNVILLE E
0174 250006 2001-02-01	UPPER MANNVILLE F
0174 250007 2001-02-01	UPPER MANNVILLE G
0174 250008 2001-02-01	UPPER MANNVILLE H
0174 250010 2001-02-01	UPPER MANNVILLE J
0174 250011 2001-02-01	UPPER MANNVILLE K
0174 250012 2001-02-01	UPPER MANNVILLE L
0174 250015 2001-02-01	UPPER MANNVILLE O
0174 250016 2001-02-01	UPPER MANNVILLE P
0174 250017 2001-02-01	UPPER MANNVILLE Q
0174 250018 2001-02-01	UPPER MANNVILLE R
0174 250019 2001-02-01	UPPER MANNVILLE S
0174 250020 2001-02-01	UPPER MANNVILLE T
0174 250022 2001-02-01	UPPER MANNVILLE V
0174 250023 2011-05-01	UPPER MANNVILLE W
0174 250024 2001-02-01	UPPER MANNVILLE X

POOL DESIGNATION (cont'd)

0174 250025	2001-02-01	UPPER MANNVILLE Y
0174 250026	2001-07-01	UPPER MANNVILLE Z
0174 250028	2001-02-01	UPPER MANNVILLE BB
0174 250029	2001-02-01	UPPER MANNVILLE CC
0174 250030	2007-06-01	UPPER MANNVILLE DD
0174 250031	2001-02-01	UPPER MANNVILLE EE
0174 250032	2001-02-01	UPPER MANNVILLE FF
0174 250035	2001-02-01	UPPER MANNVILLE II
0174 250036	2001-02-01	UPPER MANNVILLE JJ
0174 250039	2001-02-01	UPPER MANNVILLE MM
0174 250040	2001-02-01	UPPER MANNVILLE NN
0174 250041	2001-02-01	UPPER MANNVILLE OO
0174 250042	2001-02-01	UPPER MANNVILLE PP
0174 250043	2001-02-01	UPPER MANNVILLE QQ
0174 250044	2001-02-01	UPPER MANNVILLE RR
0174 250045	2002-10-01	UPPER MANNVILLE SS
0174 250046	2001-02-01	UPPER MANNVILLE TT
0174 250047	2003-08-01	UPPER MANNVILLE UU
0174 250048	2013-07-01	UPPER MANNVILLE VV
0174 250049	2001-02-01	UPPER MANNVILLE WW
0174 250050	2001-02-01	UPPER MANNVILLE XX
0174 250051	2001-02-01	UPPER MANNVILLE YY
0174 250052	2001-02-01	UPPER MANNVILLE ZZ
0174 250701	2001-02-01	UPPER MANNVILLE AAA
0174 250702	2001-02-01	UPPER MANNVILLE BBB
0174 250703	2001-02-01	UPPER MANNVILLE CCC
0174 250704	2001-02-01	UPPER MANNVILLE DDD
0174 250705	2001-02-01	UPPER MANNVILLE EEE
0174 250706	2001-02-01	UPPER MANNVILLE FFF
0174 250708	2001-02-01	UPPER MANNVILLE HHH
0174 250709	2001-02-01	UPPER MANNVILLE III
0174 250711	2001-02-01	UPPER MANNVILLE KKK
0174 250712	2001-02-01	UPPER MANNVILLE LLL
0174 250713	2001-02-01	UPPER MANNVILLE MMM
0174 250714	2001-02-01	UPPER MANNVILLE NNN
0174 250715	2001-02-01	UPPER MANNVILLE OOO
0174 250716	2001-02-01	UPPER MANNVILLE PPP
0174 250717	2001-02-01	UPPER MANNVILLE QQQ

POOL DESIGNATION (cont'd)

0174 250719 2001-02-01	UPPER MANNVILLE SSS
0174 250720 2001-02-01	UPPER MANNVILLE TTT
0174 250721 2001-02-01	UPPER MANNVILLE UUU
0174 250722 2001-02-01	UPPER MANNVILLE VVV
0174 250723 2001-02-01	UPPER MANNVILLE WWW
0174 250724 2001-02-01	UPPER MANNVILLE XXX
0174 250726 2001-02-01	UPPER MANNVILLE ZZZ
0174 250727 2001-02-01	UPPER MANNVILLE A2A
0174 250728 2010-04-01	UPPER MANNVILLE B2B
0174 250729 2006-12-01	UPPER MANNVILLE C2C
0174 250730 2012-07-01	UPPER MANNVILLE D2D
0174 250731 2001-02-01	UPPER MANNVILLE E2E
0174 250732 2001-02-01	UPPER MANNVILLE F2F
0174 250733 2001-02-01	UPPER MANNVILLE G2G
0174 250734 2001-02-01	UPPER MANNVILLE H2H
0174 250735 2001-02-01	UPPER MANNVILLE I2I
0174 250736 2001-02-01	UPPER MANNVILLE J2J
0174 250738 2004-03-01	UPPER MANNVILLE L2L
0174 250739 2001-02-01	UPPER MANNVILLE M2M
0174 250740 2001-02-01	UPPER MANNVILLE N2N
0174 250741 2010-04-01	UPPER MANNVILLE O2O
0174 250742 2001-02-01	UPPER MANNVILLE P2P
0174 250743 2001-02-01	UPPER MANNVILLE Q2Q
0174 250744 2001-02-01	UPPER MANNVILLE R2R
0174 250745 2001-02-01	UPPER MANNVILLE S2S
0174 250746 2001-02-01	UPPER MANNVILLE T2T
0174 250747 2003-08-01	UPPER MANNVILLE U2U
0174 250748 2010-04-01	UPPER MANNVILLE V2V
0174 250749 2001-02-01	UPPER MANNVILLE W2W
0174 250750 2001-02-01	UPPER MANNVILLE X2X
0174 250751 2001-02-01	UPPER MANNVILLE Y2Y
0174 250752 2001-02-01	UPPER MANNVILLE Z2Z
0174 251101 2001-02-01	UPPER MANNVILLE A3A
0174 251102 2001-02-01	UPPER MANNVILLE B3B
0174 251103 2001-11-01	UPPER MANNVILLE C3C
0174 251104 2001-02-01	UPPER MANNVILLE D3D
0174 251105 2001-02-01	UPPER MANNVILLE E3E
0174 251106 2001-02-01	UPPER MANNVILLE F3F

POOL DESIGNATION (cont'd)

0174 251107 2010-04-01	UPPER MANNVILLE G3G
0174 251108 2001-02-01	UPPER MANNVILLE H3H
0174 251109 2001-02-01	UPPER MANNVILLE I3I
0174 251110 2001-02-01	UPPER MANNVILLE J3J
0174 251111 2001-02-01	UPPER MANNVILLE K3K
0174 251112 2001-02-01	UPPER MANNVILLE L3L
0174 251113 2001-04-01	UPPER MANNVILLE M3M
0174 251114 2001-02-01	UPPER MANNVILLE N3N
0174 251115 2001-02-01	UPPER MANNVILLE O3O
0174 251117 2001-02-01	UPPER MANNVILLE Q3Q
0174 251118 2001-02-01	UPPER MANNVILLE R3R
0174 251119 2001-02-01	UPPER MANNVILLE S3S
0174 251120 2001-02-01	UPPER MANNVILLE T3T
0174 251121 2001-02-01	UPPER MANNVILLE U3U
0174 251122 2001-02-01	UPPER MANNVILLE V3V
0174 251123 2001-02-01	UPPER MANNVILLE W3W
0174 251124 2004-05-01	UPPER MANNVILLE X3X
0174 251125 2001-02-01	UPPER MANNVILLE Y3Y
0174 251126 2001-02-01	UPPER MANNVILLE Z3Z
0174 251127 2003-03-01	UPPER MANNVILLE A4A
0174 251128 2001-02-01	UPPER MANNVILLE B4B
0174 251129 2001-02-01	UPPER MANNVILLE C4C
0174 251130 2010-04-01	UPPER MANNVILLE D4D
0174 251131 2001-02-01	UPPER MANNVILLE E4E
0174 251132 2001-02-01	UPPER MANNVILLE F4F
0174 251133 2004-07-01	UPPER MANNVILLE G4G
0174 251134 2010-04-01	UPPER MANNVILLE H4H
0174 251135 2001-03-01	UPPER MANNVILLE I4I
0174 251136 2001-03-01	UPPER MANNVILLE J4J
0174 251137 2001-03-01	UPPER MANNVILLE K4K
0174 251138 2001-03-01	UPPER MANNVILLE L4L
0174 251139 2010-04-01	UPPER MANNVILLE M4M
0174 251140 2004-02-01	UPPER MANNVILLE N4N
0174 251141 2001-04-01	UPPER MANNVILLE O4O
0174 251142 2001-11-01	UPPER MANNVILLE P4P
0174 251143 2001-04-01	UPPER MANNVILLE Q4Q
0174 251145 2006-01-01	UPPER MANNVILLE S4S
0174 251146 2001-11-01	UPPER MANNVILLE T4T

POOL DESIGNATION (cont'd)

0174 251147 2002-04-01	UPPER MANNVILLE U4U
0174 251148 2001-11-01	UPPER MANNVILLE V4V
0174 251149 2001-11-01	UPPER MANNVILLE W4W
0174 251150 2001-11-01	UPPER MANNVILLE X4X
0174 251151 2002-04-01	UPPER MANNVILLE Y4Y
0174 251152 2002-07-01	UPPER MANNVILLE Z4Z
0174 251501 2001-12-01	UPPER MANNVILLE A5A
0174 251502 2003-06-01	UPPER MANNVILLE B5B
0174 251503 2001-11-01	UPPER MANNVILLE C5C
0174 251504 2001-11-01	UPPER MANNVILLE D5D
0174 251505 2001-11-01	UPPER MANNVILLE E5E
0174 251506 2001-11-01	UPPER MANNVILLE F5F
0174 251507 2001-12-01	UPPER MANNVILLE G5G
0174 251508 2007-01-01	UPPER MANNVILLE H5H
0174 251509 2004-07-01	UPPER MANNVILLE I5I
0174 251510 2002-04-01	UPPER MANNVILLE J5J
0174 251511 2013-07-01	UPPER MANNVILLE K5K
0174 251512 2001-12-01	UPPER MANNVILLE L5L
0174 251513 2011-01-01	UPPER MANNVILLE M5M
0174 251515 2002-03-01	UPPER MANNVILLE O5O
0174 251516 2002-07-01	UPPER MANNVILLE P5P
0174 251517 2002-09-01	UPPER MANNVILLE Q5Q
0174 251518 2006-01-01	UPPER MANNVILLE R5R
0174 251519 2002-12-01	UPPER MANNVILLE S5S
0174 251520 2002-06-01	UPPER MANNVILLE T5T
0174 251521 2002-06-01	UPPER MANNVILLE U5U
0174 251522 2002-06-01	UPPER MANNVILLE V5V
0174 251523 2002-06-01	UPPER MANNVILLE W5W
0174 251524 2002-11-01	UPPER MANNVILLE X5X
0174 251526 2003-12-01	UPPER MANNVILLE Z5Z
0174 251527 2002-08-01	UPPER MANNVILLE A6A
0174 251528 2002-08-01	UPPER MANNVILLE B6B
0174 251529 2003-02-01	UPPER MANNVILLE C6C
0174 251530 2002-10-01	UPPER MANNVILLE D6D
0174 251531 2003-05-01	UPPER MANNVILLE E6E
0174 251532 2008-09-01	UPPER MANNVILLE F6F
0174 251533 2010-04-01	UPPER MANNVILLE G6G
0174 251534 2004-01-01	UPPER MANNVILLE H6H

POOL DESIGNATION (cont'd)

0174 251535 2004-05-01	UPPER MANNVILLE I6I
0174 251536 2004-05-01	UPPER MANNVILLE J6J
0174 251537 2010-04-01	UPPER MANNVILLE K6K
0174 251538 2010-04-01	UPPER MANNVILLE L6L
0174 251539 2004-11-01	UPPER MANNVILLE M6M
0174 251540 2010-04-01	UPPER MANNVILLE N6N
0174 251541 2004-08-01	UPPER MANNVILLE O6O
0174 251542 2006-02-01	UPPER MANNVILLE P6P
0174 251543 2010-04-01	UPPER MANNVILLE Q6Q
0174 251544 2004-06-01	UPPER MANNVILLE R6R
0174 251545 2004-09-01	UPPER MANNVILLE S6S
0174 251546 2004-09-01	UPPER MANNVILLE T6T
0174 251547 2010-04-01	UPPER MANNVILLE U6U
0174 251548 2010-04-01	UPPER MANNVILLE V6V
0174 251549 2005-04-01	UPPER MANNVILLE W6W
0174 251550 2005-04-01	UPPER MANNVILLE X6X
0174 251551 2005-05-01	UPPER MANNVILLE Y6Y
0174 251552 2005-05-01	UPPER MANNVILLE Z6Z
0174 251901 2005-02-01	UPPER MANNVILLE A7A
0174 251902 2005-02-01	UPPER MANNVILLE B7B
0174 251903 2006-02-01	UPPER MANNVILLE C7C
0174 251904 2005-09-01	UPPER MANNVILLE D7D
0174 251905 2005-11-01	UPPER MANNVILLE E7E
0174 251906 2005-11-01	UPPER MANNVILLE F7F
0174 251907 2005-12-01	UPPER MANNVILLE G7G
0174 251908 2005-12-01	UPPER MANNVILLE H7H
0174 251909 2006-01-01	UPPER MANNVILLE I7I
0174 251910 2006-02-01	UPPER MANNVILLE J7J
0174 251912 2006-04-01	UPPER MANNVILLE L7L
0174 251913 2006-05-01	UPPER MANNVILLE M7M
0174 251914 2006-05-01	UPPER MANNVILLE N7N
0174 251915 2008-05-01	UPPER MANNVILLE O7O
0174 251916 2011-10-01	UPPER MANNVILLE P7P
0174 251917 2006-09-01	UPPER MANNVILLE Q7Q
0174 251918 2010-04-01	UPPER MANNVILLE R7R
0174 251919 2012-04-01	UPPER MANNVILLE S7S
0174 251920 2007-12-01	UPPER MANNVILLE T7T
0174 251921 2007-07-01	UPPER MANNVILLE U7U

POOL DESIGNATION (cont'd)

0174 251923 2007-07-01	UPPER MANNVILLE W7W
0174 251924 2007-07-01	UPPER MANNVILLE X7X
0174 251925 2007-07-01	UPPER MANNVILLE Y7Y
0174 251926 2010-08-01	UPPER MANNVILLE Z7Z
0174 251927 2010-04-01	UPPER MANNVILLE A8A
0174 251928 2007-08-01	UPPER MANNVILLE B8B
0174 251929 2007-09-01	UPPER MANNVILLE C8C
0174 251930 2007-09-01	UPPER MANNVILLE D8D
0174 251931 2007-09-01	UPPER MANNVILLE E8E
0174 251932 2007-09-01	UPPER MANNVILLE F8F
0174 251933 2015-07-01	UPPER MANNVILLE G8G
0174 251934 2008-07-01	UPPER MANNVILLE H8H
0174 251935 2008-09-01	UPPER MANNVILLE I8I
0174 251936 2009-01-01	UPPER MANNVILLE J8J
0174 251937 2009-02-01	UPPER MANNVILLE K8K
0174 251938 2009-05-01	UPPER MANNVILLE L8L
0174 251939 2009-07-01	UPPER MANNVILLE M8M
0174 251940 2013-04-01	UPPER MANNVILLE N8N
0174 251941 2009-08-01	UPPER MANNVILLE O8O
0174 251942 2009-08-01	UPPER MANNVILLE P8P
0174 251943 2009-08-01	UPPER MANNVILLE Q8Q
0174 251944 2009-09-01	UPPER MANNVILLE R8R
0174 251945 2009-12-01	UPPER MANNVILLE S8S
0174 251946 2010-12-01	UPPER MANNVILLE T8T
0174 251947 2011-04-01	UPPER MANNVILLE U8U
0174 251948 2011-04-01	UPPER MANNVILLE V8V
0174 251949 2011-04-01	UPPER MANNVILLE W8W
0174 251950 2011-04-01	UPPER MANNVILLE X8X
0174 251951 2011-04-01	UPPER MANNVILLE Y8Y
0174 251952 2011-04-01	UPPER MANNVILLE Z8Z
0174 253001 2011-05-01	UPPER MANNVILLE A9A
0174 253002 2011-05-01	UPPER MANNVILLE B9B
0174 253003 2011-06-01	UPPER MANNVILLE C9C
0174 253004 2011-06-01	UPPER MANNVILLE D9D
0174 253005 2011-06-01	UPPER MANNVILLE E9E
0174 253006 2011-06-01	UPPER MANNVILLE F9F
0174 253007 2012-01-01	UPPER MANNVILLE G9G
0174 253008 2012-05-01	UPPER MANNVILLE H9H

POOL DESIGNATION (cont'd)

0174 253009 2013-07-01	UPPER MANNVILLE I9I
0174 253010 2013-08-01	UPPER MANNVILLE J9J
0174 253011 2013-11-01	UPPER MANNVILLE K9K
0174 310001 2001-02-01	LOWER MANNVILLE A
0174 310003 2001-02-01	LOWER MANNVILLE C
0174 310004 2001-02-01	LOWER MANNVILLE D
0174 310005 2001-02-01	LOWER MANNVILLE E
0174 310009 2001-02-01	LOWER MANNVILLE I
0174 310010 2002-10-01	LOWER MANNVILLE J
0174 310011 2001-02-01	LOWER MANNVILLE K
0174 310012 2001-02-01	LOWER MANNVILLE L
0174 310014 2001-02-01	LOWER MANNVILLE N
0174 310015 2001-02-01	LOWER MANNVILLE O
0174 310016 2001-02-01	LOWER MANNVILLE P
0174 310017 2001-02-01	LOWER MANNVILLE Q
0174 310018 2001-02-01	LOWER MANNVILLE R
0174 310019 2001-02-01	LOWER MANNVILLE S
0174 310020 2001-02-01	LOWER MANNVILLE T
0174 310022 2001-02-01	LOWER MANNVILLE V
0174 310023 2001-08-01	LOWER MANNVILLE W
0174 310024 2001-03-01	LOWER MANNVILLE X
0174 310025 2001-11-01	LOWER MANNVILLE Y
0174 310026 2001-11-01	LOWER MANNVILLE Z
0174 310027 2004-01-01	LOWER MANNVILLE AA
0174 310028 2002-07-01	LOWER MANNVILLE BB
0174 310029 2011-04-01	LOWER MANNVILLE CC
0174 310030 2001-11-01	LOWER MANNVILLE DD
0174 310031 2010-04-01	LOWER MANNVILLE EE
0174 310032 2002-01-01	LOWER MANNVILLE FF
0174 310033 2002-06-01	LOWER MANNVILLE GG
0174 310034 2003-06-01	LOWER MANNVILLE HH
0174 310035 2004-05-01	LOWER MANNVILLE II
0174 310036 2010-04-01	LOWER MANNVILLE JJ
0174 310037 2007-07-01	LOWER MANNVILLE KK
0174 336002 2001-02-01	ELLERSLIE B
0174 336003 2001-02-01	ELLERSLIE C

POOL DESIGNATION (cont'd)

0174 336004	2012-06-01	ELLERSLIE D
0174 336005	2001-02-01	ELLERSLIE E
0174 336006	2007-04-01	ELLERSLIE F
0174 336007	2001-02-01	ELLERSLIE G
0174 336008	2001-02-01	ELLERSLIE H
0174 336009	2001-02-01	ELLERSLIE I
0174 336010	2010-04-01	ELLERSLIE J
0174 336011	2012-06-01	ELLERSLIE K
0174 336012	2001-02-01	ELLERSLIE L
0174 336013	2001-02-01	ELLERSLIE M
0174 336016	2001-02-01	ELLERSLIE P
0174 336018	2001-02-01	ELLERSLIE R
0174 336019	2001-02-01	ELLERSLIE S
0174 336020	2001-02-01	ELLERSLIE T
0174 336022	2001-02-01	ELLERSLIE V
0174 336023	2001-03-01	ELLERSLIE W
0174 336025	2001-02-01	ELLERSLIE Y
0174 336026	2001-02-01	ELLERSLIE Z
0174 336028	2001-02-01	ELLERSLIE BB
0174 336033	2001-02-01	ELLERSLIE GG
0174 336034	2001-02-01	ELLERSLIE HH
0174 336036	2001-02-01	ELLERSLIE JJ
0174 336037	2006-03-01	ELLERSLIE KK
0174 336038	2001-02-01	ELLERSLIE LL
0174 336039	2001-02-01	ELLERSLIE MM
0174 336040	2001-02-01	ELLERSLIE NN
0174 336042	2001-02-01	ELLERSLIE PP
0174 336043	2001-02-01	ELLERSLIE QQ
0174 336044	2001-02-01	ELLERSLIE RR
0174 336046	2001-02-01	ELLERSLIE TT
0174 336047	2001-02-01	ELLERSLIE UU
0174 336048	2001-02-01	ELLERSLIE VV
0174 336049	2001-02-01	ELLERSLIE WW
0174 336050	2001-02-01	ELLERSLIE XX
0174 336051	2001-02-01	ELLERSLIE YY
0174 336052	2001-02-01	ELLERSLIE ZZ
0174 336501	2001-02-01	ELLERSLIE AAA
0174 336502	2001-02-01	ELLERSLIE BBB

POOL DESIGNATION (cont'd)

0174 336503 2001-02-01	ELLERSLIE CCC
0174 336504 2001-02-01	ELLERSLIE DDD
0174 336505 2010-04-01	ELLERSLIE EEE
0174 336506 2001-02-01	ELLERSLIE FFF
0174 336507 2001-02-01	ELLERSLIE GGG
0174 336508 2001-02-01	ELLERSLIE HHH
0174 336509 2001-02-01	ELLERSLIE III
0174 336510 2001-03-01	ELLERSLIE JJJ
0174 336511 2001-03-01	ELLERSLIE KKK
0174 336512 2001-03-01	ELLERSLIE LLL
0174 336513 2001-03-01	ELLERSLIE MMM
0174 336515 2002-05-01	ELLERSLIE OOO
0174 336517 2007-05-01	ELLERSLIE QQQ
0174 336518 2010-04-01	ELLERSLIE RRR
0174 336519 2002-06-01	ELLERSLIE SSS
0174 336521 2001-08-01	ELLERSLIE UUU
0174 336522 2010-04-01	ELLERSLIE VVV
0174 336523 2002-04-01	ELLERSLIE WWW
0174 336524 2002-09-01	ELLERSLIE XXX
0174 336525 2002-05-01	ELLERSLIE YYY
0174 336526 2010-04-01	ELLERSLIE ZZZ
0174 336527 2002-08-01	ELLERSLIE A2A
0174 336528 2004-07-01	ELLERSLIE B2B
0174 336529 2003-10-01	ELLERSLIE C2C
0174 336530 2003-11-01	ELLERSLIE D2D
0174 336531 2003-09-01	ELLERSLIE E2E
0174 336532 2004-03-01	ELLERSLIE F2F
0174 336533 2004-05-01	ELLERSLIE G2G
0174 336534 2010-04-01	ELLERSLIE H2H
0174 336535 2005-02-01	ELLERSLIE I2I
0174 336536 2005-05-01	ELLERSLIE J2J
0174 336537 2005-07-01	ELLERSLIE K2K
0174 336538 2008-05-01	ELLERSLIE L2L
0174 336539 2006-05-01	ELLERSLIE M2M
0174 336540 2006-09-01	ELLERSLIE N2N
0174 336541 2006-11-01	ELLERSLIE O2O
0174 336542 2006-12-01	ELLERSLIE P2P
0174 336543 2007-07-01	ELLERSLIE Q2Q

POOL DESIGNATION (cont'd)

0174 336544 2007-07-01	ELLERSLIE R2R
0174 336545 2007-07-01	ELLERSLIE S2S
0174 336546 2009-12-01	ELLERSLIE T2T
0174 336547 2007-07-01	ELLERSLIE U2U
0174 336548 2007-07-01	ELLERSLIE V2V
0174 336549 2007-10-01	ELLERSLIE W2W
0174 336550 2007-08-01	ELLERSLIE X2X
0174 336551 2009-08-01	ELLERSLIE Y2Y
0174 336552 2007-10-01	ELLERSLIE Z2Z
0174 337001 2007-10-01	ELLERSLIE A3A
0174 337002 2007-12-01	ELLERSLIE B3B
0174 337003 2009-08-01	ELLERSLIE C3C
0174 337004 2011-05-01	ELLERSLIE D3D
0174 337005 2012-12-01	ELLERSLIE E3E
0174 337006 2013-06-01	ELLERSLIE F3F

0174 658001 2001-02-01	WABAMUN A
0174 658002 2010-04-01	WABAMUN B
0174 658003 2001-02-01	WABAMUN C
0174 658004 2001-02-01	WABAMUN D
0174 658005 2001-02-01	WABAMUN E
0174 658006 2001-02-01	WABAMUN F
0174 658007 2001-02-01	WABAMUN G
0174 658008 2003-03-01	WABAMUN H
0174 658009 2001-02-01	WABAMUN I
0174 658010 2001-02-01	WABAMUN J
0174 658011 2001-02-01	WABAMUN K
0174 658012 2001-02-01	WABAMUN L
0174 658013 2001-02-01	WABAMUN M
0174 658014 2001-02-01	WABAMUN N
0174 658015 2001-02-01	WABAMUN O
0174 658016 2004-01-01	WABAMUN P
0174 658017 2010-04-01	WABAMUN Q
0174 658018 2001-06-01	WABAMUN R
0174 658019 2001-09-01	WABAMUN S
0174 658020 2001-12-01	WABAMUN T
0174 658021 2002-09-01	WABAMUN U
0174 658022 2006-02-01	WABAMUN V

POOL DESIGNATION (cont'd)

0174 658023 2011-02-01 WABAMUN W
 0174 666001 2001-02-01 STETTLER A
 0174 851800 2014-03-01 MFP8518 U&M VIKING
 0174 853400 2012-04-01 MFP8534 BSL BELLY RIV

SPACING PATTERN

SU 4162 22 Mar 2004
 SU 4162A 29 Jul 2004
 SU 4162B 27 Sep 2004
 SU 4162C 23 Nov 2005
 SU 4162D 24 Jan 2006

COMPULSORY POOLING

P 81 3 Jul 1986
 P 81A 9 Apr 1992
 P 81B 31 Aug 1999
 P 81C 31 Jan 2005
 P 81D 5 Dec 2005

COMMINGLED PRODUCTION

MU 7651 4 Jan 2011

Gas
 31-045-17W4M
 Signalta Resources Limited

P 216 26 Feb 2002

SUBSURFACE DISPOSAL SCHEMES

App 4641B 24 Nov 2016
 Class II
 Tidewater Midstream and Infrastructure Ltd.

Gas
 01-048-17W4M
 Signalta Resources Limited

P 253 18 May 2004

App 9133B 30 Jan 2017
 Class II
 Sequoia Resources Corp.

Gas
 21-046-14W4M
 Dominion Exploration Canada Ltd.

P 289 13 Oct 2005

P 289A 22 Jun 2009

Gas
 13-049-15W4M
 Spur Resources Ltd.

COMPULSORY POOLING (cont'd)

P 304 2 Aug 2006
Gas
03-046-16W4M
Dominion Exploration Canada Ltd.

FIELD DESIGNATION

0176 2008-09-01 BUFFALO LAKE FIELD

POOL DESIGNATION

0176 118801 2006-10-01 LOWER EDMONTON A
0176 118802 2011-03-01 LOWER EDMONTON B
0176 118803 2013-04-01 LOWER EDMONTON C

0176 126001 2009-08-01 BELLY RIVER A
0176 126002 2010-04-01 BELLY RIVER B
0176 126004 2013-04-01 BELLY RIVER D

0176 164001 2009-12-01 MEDICINE HAT A
0176 164003 2009-12-01 MEDICINE HAT C
0176 164005 2010-02-01 MEDICINE HAT E

0176 300001 2010-04-01 GLAUCONITIC A
0176 300002 2010-04-01 GLAUCONITIC B
0176 300003 2001-07-01 GLAUCONITIC C
0176 300005 2003-02-01 GLAUCONITIC E
0176 300006 2008-06-01 GLAUCONITIC F

0176 334001 2001-02-01 BASAL QUARTZ A
0176 334002 2001-02-01 BASAL QUARTZ B
0176 334003 2001-03-01 BASAL QUARTZ C
0176 334004 2001-11-01 BASAL QUARTZ D
0176 334005 2002-08-01 BASAL QUARTZ E
0176 334006 2002-08-01 BASAL QUARTZ F
0176 334007 2010-04-01 BASAL QUARTZ G
0176 334008 2002-09-01 BASAL QUARTZ H
0176 334009 2003-02-01 BASAL QUARTZ I
0176 334010 2007-09-01 BASAL QUARTZ J

0176 720000 2001-02-01 D-3
0176 720002 2010-04-01 D-3 B

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0176 720003 2001-02-01 D-3 C

0176 850900 2009-12-01 MFP8509 BELLY RIVER

SPACING PATTERN

SU 4343 26 Jun 2006

SU 4343A 25 Oct 2006

COMMINGLED PRODUCTION

MU 8086 6 Oct 2011

COMPULSORY POOLING

P 319 27 Apr 2007

P 319A 29 Apr 2008

Gas

26-040-21W4M

Cordero Energy Inc.

P 338 20 Nov 2007

Gas

15-040-21W4M

Cordero Energy Inc.

FIELD DESIGNATION

0178 2004-01-01 BUICK FIELD

POOL DESIGNATION

0178 304001 2012-06-01 BLUESKY A
0178 304002 2004-01-01 BLUESKY B
0178 304003 2008-02-01 BLUESKY C

SUBSURFACE DISPOSAL SCHEMES

App 8518B 6 Jan 2017
Class II
Sydco Energy Inc.

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0180 2001-02-01 BURDETT FIELD

POOL DESIGNATION

0180 428001 2001-02-01 SAWTOOTH A
0180 428002 2004-12-01 SAWTOOTH B

FIELD DESIGNATION

1014 2008-02-01 BURMIS FIELD

POOL DESIGNATION

1014 126001 2007-12-01 BELLY RIVER A
1014 126002 2010-04-01 BELLY RIVER B
1014 126003 2008-01-01 BELLY RIVER C
1014 126004 2009-06-01 BELLY RIVER D
1014 126005 2009-08-01 BELLY RIVER E
1014 126006 2009-09-01 BELLY RIVER F

1014 134001 2011-02-01 BASAL BELLY RIVER A
1014 134002 2008-01-01 BASAL BELLY RIVER B
1014 134003 2012-06-01 BASAL BELLY RIVER C

1014 610001 2011-09-01 RUNDLE A
1014 610002 2008-02-01 RUNDLE B

1014 658001 2005-06-01 WABAMUN A

SPACING PATTERN

SU 2599 20 Feb 1996

COMMINGLED PRODUCTION

MU 1798 22 Jun 1999

FIELD DESIGNATION

0181 2012-01-01 BURNT TIMBER FIELD

POOL DESIGNATION

0181 176001 2001-06-01 CARDIUM A
0181 176002 2001-06-01 CARDIUM B
0181 176003 2008-09-01 CARDIUM C

0181 218001 2008-09-01 VIKING A
0181 218002 2010-08-01 VIKING B
0181 218003 2010-08-01 VIKING C
0181 218004 2010-08-01 VIKING D

0181 610001 2010-04-01 RUNDLE A
0181 610002 2010-04-01 RUNDLE B
0181 610003 2003-01-01 RUNDLE C
0181 610004 2004-02-01 RUNDLE D
0181 610005 2004-02-01 RUNDLE E
0181 610006 2010-04-01 RUNDLE F

0181 644001 2012-02-01 BANFF A

0181 658001 2015-02-01 WABAMUN A
0181 658002 2012-02-01 WABAMUN B
0181 658003 2008-04-01 WABAMUN C

0181 694001 2002-10-01 ARCS A

SPACING PATTERN

SU 2596 22 Feb 1996

COMMINGLED PRODUCTION

MU 7718 1 Feb 2011