

**FIELD DESIGNATION**

0329 2001-02-01                      EAGLE BUTTE FIELD

**POOL DESIGNATION**

0329 213001 2001-02-01              BOW ISLAND A

**FIELD DESIGNATION**

1342 2009-11-01                      EAGLENEST FIELD

**POOL DESIGNATION**

1342 306001 2010-04-01      WABISKAW A  
1342 306002 2010-04-01      WABISKAW B  
1342 306003 2010-04-01      WABISKAW C  
1342 306004 2008-04-01      WABISKAW D  
1342 306005 2008-04-01      WABISKAW E  
1342 306006 2010-04-01      WABISKAW F  
1342 306007 2010-04-01      WABISKAW G

**COMMINGLED PRODUCTION**

MU 7760              9 Mar 2011

**FIELD DESIGNATION**

0315 2007-04-01 EAGLESHAM FIELD

**POOL DESIGNATION**

0315 230001 2001-04-01 PADDY A  
0315 230002 2008-02-01 PADDY B

0315 232001 2002-07-01 CADOTTE A  
0315 232002 2001-10-01 CADOTTE B

0315 264001 2003-01-01 SPIRIT RIVER A  
0315 264002 2003-09-01 SPIRIT RIVER B  
0315 264003 2003-09-01 SPIRIT RIVER C  
0315 264004 2006-09-01 SPIRIT RIVER D  
0315 264005 2008-02-01 SPIRIT RIVER E  
0315 264006 2010-04-01 SPIRIT RIVER F  
0315 264007 2008-10-01 SPIRIT RIVER G  
0315 264008 2010-07-01 SPIRIT RIVER H

0315 266001 2001-03-01 NOTIKEWIN A  
0315 266002 2001-10-01 NOTIKEWIN B  
0315 266003 2002-11-01 NOTIKEWIN C

0315 304001 2002-11-01 BLUESKY A  
0315 304002 2006-08-01 BLUESKY B  
0315 304003 2007-07-01 BLUESKY C  
0315 304004 2008-05-01 BLUESKY D

0315 326001 2001-02-01 GETHING A  
0315 326002 2006-05-01 GETHING B  
0315 326003 2007-07-01 GETHING C  
0315 326004 2008-05-01 GETHING D

0315 432001 2001-02-01 ROCK CREEK A

0315 500001 2001-02-01 TRIASSIC A

**POOL DESIGNATION (cont'd)**

|                        |              |
|------------------------|--------------|
| 0315 524001 2005-07-01 | MONTNEY A    |
| 0315 524002 2002-07-01 | MONTNEY B    |
| 0315 524003 2010-04-01 | MONTNEY C    |
| 0315 524004 2010-04-01 | MONTNEY D    |
| 0315 524005 2010-04-01 | MONTNEY E    |
| 0315 524006 2010-04-01 | MONTNEY F    |
|                        |              |
| 0315 556001 2001-02-01 | BELLOY A     |
| 0315 556002 2001-02-01 | BELLOY B     |
| 0315 556003 2001-02-01 | BELLOY C     |
| 0315 556004 2001-12-01 | BELLOY D     |
| 0315 556005 2003-05-01 | BELLOY E     |
| 0315 556006 2005-06-01 | BELLOY F     |
| 0315 556007 2007-09-01 | BELLOY G     |
|                        |              |
| 0315 606001 2001-10-01 | KISKATINAW A |
| 0315 606002 2009-02-01 | KISKATINAW B |
|                        |              |
| 0315 612001 2001-02-01 | DEBOLT A     |
| 0315 612003 2001-02-01 | DEBOLT C     |
| 0315 612005 2007-03-01 | DEBOLT E     |
| 0315 612007 2010-04-01 | DEBOLT G     |
| 0315 612008 2015-02-01 | DEBOLT H     |
| 0315 612010 2004-08-01 | DEBOLT J     |
| 0315 612013 2010-04-01 | DEBOLT M     |
| 0315 612014 2010-04-01 | DEBOLT N     |
| 0315 612015 2010-04-01 | DEBOLT O     |
| 0315 612016 2001-11-01 | DEBOLT P     |
| 0315 612017 2010-04-01 | DEBOLT Q     |
| 0315 612018 2010-04-01 | DEBOLT R     |
| 0315 612019 2010-04-01 | DEBOLT S     |
| 0315 612020 2008-05-01 | DEBOLT T     |
| 0315 612021 2007-04-01 | DEBOLT U     |
| 0315 612022 2007-07-01 | DEBOLT V     |
| 0315 612023 2007-10-01 | DEBOLT W     |
| 0315 612024 2007-08-01 | DEBOLT X     |
| 0315 612025 2007-11-01 | DEBOLT Y     |
| 0315 612026 2007-12-01 | DEBOLT Z     |

**POOL DESIGNATION (cont'd)**

|                        |           |
|------------------------|-----------|
| 0315 612027 2008-06-01 | DEBOLT AA |
| 0315 612028 2008-12-01 | DEBOLT BB |
| 0315 612029 2009-05-01 | DEBOLT CC |
| 0315 612030 2011-06-01 | DEBOLT DD |
|                        |           |
| 0315 638002 2001-02-01 | ELKTON B  |
| 0315 638003 2005-05-01 | ELKTON C  |
|                        |           |
| 0315 644001 2010-04-01 | BANFF A   |
| 0315 644002 2010-04-01 | BANFF B   |
|                        |           |
| 0315 658001 2001-02-01 | D-1 A     |
| 0315 658002 2001-02-01 | D-1 B     |
| 0315 658003 2003-11-01 | D-1 C     |
| 0315 658004 2002-10-01 | D-1 D     |
| 0315 658005 2006-06-01 | D-1 E     |
| 0315 658006 2001-02-01 | D-1 F     |
| 0315 658007 2003-12-01 | D-1 G     |
| 0315 658008 2001-02-01 | D-1 H     |
| 0315 658009 2010-04-01 | D-1 I     |
| 0315 658010 2003-02-01 | D-1 J     |
| 0315 658011 2011-12-01 | D-1 K     |
| 0315 658012 2010-04-01 | D-1 L     |
| 0315 658013 2005-03-01 | D-1 M     |
| 0315 658014 2005-05-01 | D-1 N     |
| 0315 658015 2008-09-01 | D-1 O     |
| 0315 658016 2011-02-01 | D-1 P     |
|                        |           |
| 0315 720001 2010-04-01 | D-3 A     |

**SPACING PATTERN**

SU 2340      6 Oct 1995  
SU 2340A    22 Feb 1996  
SU 2340B    6 May 2004  
SU 2340C    12 May 2006  
SU 2340D    15 Jun 2006  
SU 2340E    27 Sep 2007  
SU 2340F    16 Oct 2007

**COMMINGLED PRODUCTION**

MU 6479      20 Feb 2007

**SUBSURFACE DISPOSAL SCHEMES**

App 8837D    15 Jul 2014  
Class II  
Canadian Natural Resources Limited

App 10998A   7 Nov 2012  
Class II  
Long Run Exploration Ltd.

**FIELD DESIGNATION**

0317 2009-12-01 EAGLESHAM NORTH FIELD

**POOL DESIGNATION**

0317 230002 2018-07-01 PADDY B

0317 250001 2002-08-01 UPPER MANNVILLE A

0317 250002 2010-04-01 UPPER MANNVILLE B

0317 250003 2005-05-01 UPPER MANNVILLE C

0317 266001 2002-02-01 NOTIKEWIN A

0317 271501 2010-04-01 FALHER A

0317 271502 2010-04-01 FALHER B

0317 271503 2010-04-01 FALHER C

0317 271504 2005-10-01 FALHER D

0317 310001 2001-02-01 LOWER MANNVILLE A

0317 310002 2001-02-01 LOWER MANNVILLE B

0317 310003 2010-04-01 LOWER MANNVILLE C

0317 310004 2001-02-01 LOWER MANNVILLE D

0317 310005 2010-04-01 LOWER MANNVILLE E

0317 310006 2010-04-01 LOWER MANNVILLE F

0317 310007 2003-07-01 LOWER MANNVILLE G

0317 310008 2006-02-01 LOWER MANNVILLE H

0317 524001 2002-06-01 MONTNEY A

0317 524002 2002-06-01 MONTNEY B

0317 524003 2010-04-01 MONTNEY C

0317 524004 2018-07-01 MONTNEY D

0317 524007 2013-11-01 MONTNEY G

0317 524008 2013-02-01 MONTNEY H

0317 524009 2012-10-01 MONTNEY I

0317 556001 2007-08-01 BELLOY A

0317 556002 2008-05-01 BELLOY B

**POOL DESIGNATION (cont'd)**

|             |            |         |
|-------------|------------|---------|
| 0317 644001 | 2002-02-01 | BANFF A |
| 0317 658001 | 2003-08-01 | D-1 A   |
| 0317 658002 | 2001-02-01 | D-1 B   |
| 0317 658003 | 2001-02-01 | D-1 C   |
| 0317 658004 | 2001-03-01 | D-1 D   |
| 0317 658005 | 2001-03-01 | D-1 E   |
| 0317 658006 | 2001-03-01 | D-1 F   |
| 0317 658007 | 2001-03-01 | D-1 G   |
| 0317 658008 | 2001-03-01 | D-1 H   |
| 0317 658009 | 2001-02-01 | D-1 I   |
| 0317 658010 | 2001-02-01 | D-1 J   |
| 0317 658011 | 2001-03-01 | D-1 K   |
| 0317 658012 | 2010-04-01 | D-1 L   |
| 0317 658013 | 2001-09-01 | D-1 M   |
| 0317 658014 | 2001-02-01 | D-1 N   |
| 0317 658015 | 2001-02-01 | D-1 O   |
| 0317 658016 | 2001-02-01 | D-1 P   |
| 0317 658017 | 2001-02-01 | D-1 Q   |
| 0317 658018 | 2001-02-01 | D-1 R   |
| 0317 658019 | 2001-02-01 | D-1 S   |
| 0317 658020 | 2001-11-01 | D-1 T   |
| 0317 658021 | 2001-02-01 | D-1 U   |
| 0317 658022 | 2001-02-01 | D-1 V   |
| 0317 658023 | 2001-02-01 | D-1 W   |
| 0317 658024 | 2001-02-01 | D-1 X   |
| 0317 658025 | 2002-02-01 | D-1 Y   |
| 0317 658026 | 2014-09-01 | D-1 Z   |
| 0317 658027 | 2013-02-01 | D-1 AA  |

**COMMINGLED PRODUCTION**

MU 8446      27 Nov 2012

**SUBSURFACE DISPOSAL SCHEMES**

App 8662C      15 Jul 2014  
Class III Acid Gas  
Canadian Natural Resources Limited



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

App 9388A 15 Jul 2014  
Class II  
Canadian Natural Resources Limited

**FIELD DESIGNATION**

1322 2008-01-01 EASTMONT FIELD

**POOL DESIGNATION**

1322 118801 2006-11-01 LOWER EDMONTON A

1322 176001 2002-11-01 CARDIUM A

1322 176002 2006-06-01 CARDIUM B

1322 176003 2007-01-01 CARDIUM C

1322 176004 2011-06-01 CARDIUM D

1322 186001 2006-06-01 SECOND WHITE SPECKS A

1322 204001 2010-08-01 BARONS A

1322 204002 2009-10-01 BARONS B

1322 211001 2009-11-01 LOWER COLORADO A

1322 213001 2010-04-01 BOW ISLAND A

1322 213003 2014-01-01 BOW ISLAND C

1322 213004 2011-05-01 BOW ISLAND D

1322 244001 2001-02-01 BLAIRMORE A

1322 244002 2002-03-01 BLAIRMORE B

1322 244003 2010-04-01 BLAIRMORE C

1322 244004 2005-09-01 BLAIRMORE D

1322 244005 2005-05-01 BLAIRMORE E

1322 244006 2011-12-01 BLAIRMORE F

1322 244007 2010-04-01 BLAIRMORE G

1322 244008 2008-10-01 BLAIRMORE H

1322 244009 2008-07-01 BLAIRMORE I

1322 244010 2009-03-01 BLAIRMORE J

1322 244011 2010-04-01 BLAIRMORE K

1322 244012 2009-03-01 BLAIRMORE L

1322 244013 2010-04-01 BLAIRMORE M

1322 244014 2011-03-01 BLAIRMORE N

**POOL DESIGNATION (cont'd)**

|             |            |                    |
|-------------|------------|--------------------|
| 1322 244015 | 2014-01-01 | BLAIRMORE O        |
| 1322 250001 | 2011-09-01 | UPPER MANNVILLE A  |
| 1322 250002 | 2011-09-01 | UPPER MANNVILLE B  |
| 1322 250003 | 2011-09-01 | UPPER MANNVILLE C  |
| 1322 250004 | 2001-02-01 | UPPER MANNVILLE D  |
| 1322 250005 | 2001-02-01 | UPPER MANNVILLE E  |
| 1322 250006 | 2010-04-01 | UPPER MANNVILLE F  |
| 1322 250007 | 2003-09-01 | UPPER MANNVILLE G  |
| 1322 250009 | 2002-02-01 | UPPER MANNVILLE I  |
| 1322 250011 | 2002-07-01 | UPPER MANNVILLE K  |
| 1322 250012 | 2002-06-01 | UPPER MANNVILLE L  |
| 1322 250013 | 2002-09-01 | UPPER MANNVILLE M  |
| 1322 250014 | 2003-02-01 | UPPER MANNVILLE N  |
| 1322 250015 | 2003-01-01 | UPPER MANNVILLE O  |
| 1322 250016 | 2004-03-01 | UPPER MANNVILLE P  |
| 1322 250017 | 2011-09-01 | UPPER MANNVILLE Q  |
| 1322 250018 | 2010-04-01 | UPPER MANNVILLE R  |
| 1322 250019 | 2005-02-01 | UPPER MANNVILLE S  |
| 1322 250020 | 2010-04-01 | UPPER MANNVILLE T  |
| 1322 250021 | 2006-03-01 | UPPER MANNVILLE U  |
| 1322 250022 | 2007-07-01 | UPPER MANNVILLE V  |
| 1322 250023 | 2008-08-01 | UPPER MANNVILLE W  |
| 1322 250024 | 2008-01-01 | UPPER MANNVILLE X  |
| 1322 250025 | 2010-04-01 | UPPER MANNVILLE Y  |
| 1322 250026 | 2008-05-01 | UPPER MANNVILLE Z  |
| 1322 250027 | 2010-04-01 | UPPER MANNVILLE AA |
| 1322 250028 | 2009-05-01 | UPPER MANNVILLE BB |
| 1322 250029 | 2009-05-01 | UPPER MANNVILLE CC |
| 1322 250030 | 2011-10-01 | UPPER MANNVILLE DD |
| 1322 250031 | 2010-04-01 | UPPER MANNVILLE EE |
| 1322 250032 | 2010-10-01 | UPPER MANNVILLE FF |
| 1322 250033 | 2011-11-01 | UPPER MANNVILLE GG |
| 1322 250034 | 2011-03-01 | UPPER MANNVILLE HH |
| 1322 250035 | 2011-04-01 | UPPER MANNVILLE II |
| 1322 250036 | 2011-06-01 | UPPER MANNVILLE JJ |
| 1322 250037 | 2011-11-01 | UPPER MANNVILLE KK |
| 1322 250038 | 2012-06-01 | UPPER MANNVILLE LL |

**POOL DESIGNATION (cont'd)**

|                        |                    |
|------------------------|--------------------|
| 1322 250039 2013-07-01 | UPPER MANNVILLE MM |
| 1322 250040 2013-07-01 | UPPER MANNVILLE NN |
| 1322 250041 2013-07-01 | UPPER MANNVILLE OO |
| 1322 250042 2013-09-01 | UPPER MANNVILLE PP |
| 1322 250043 2013-11-01 | UPPER MANNVILLE QQ |
|                        |                    |
| 1322 332001 2010-04-01 | SUNBURST A         |
| 1322 332003 2013-07-01 | SUNBURST C         |
| 1322 332004 2004-03-01 | SUNBURST D         |
| 1322 332005 2003-09-01 | SUNBURST E         |
| 1322 332006 2004-03-01 | SUNBURST F         |
| 1322 332007 2003-11-01 | SUNBURST G         |
| 1322 332008 2008-01-01 | SUNBURST H         |
| 1322 332010 2005-07-01 | SUNBURST J         |
| 1322 332011 2005-04-01 | SUNBURST K         |
| 1322 332013 2005-06-01 | SUNBURST M         |
| 1322 332014 2005-07-01 | SUNBURST N         |
| 1322 332015 2009-03-01 | SUNBURST O         |
| 1322 332016 2010-04-01 | SUNBURST P         |
| 1322 332017 2006-04-01 | SUNBURST Q         |
| 1322 332018 2005-07-01 | SUNBURST R         |
| 1322 332021 2010-04-01 | SUNBURST U         |
| 1322 332022 2006-07-01 | SUNBURST V         |
| 1322 332023 2007-07-01 | SUNBURST W         |
| 1322 332024 2007-07-01 | SUNBURST X         |
| 1322 332025 2007-08-01 | SUNBURST Y         |
| 1322 332026 2007-11-01 | SUNBURST Z         |
| 1322 332027 2010-04-01 | SUNBURST AA        |
| 1322 332028 2008-05-01 | SUNBURST BB        |
| 1322 332029 2008-05-01 | SUNBURST CC        |
| 1322 332030 2008-06-01 | SUNBURST DD        |
| 1322 332031 2010-04-01 | SUNBURST EE        |
| 1322 332032 2010-04-01 | SUNBURST FF        |
| 1322 332033 2009-06-01 | SUNBURST GG        |
| 1322 332034 2009-08-01 | SUNBURST HH        |
| 1322 332035 2010-04-01 | SUNBURST II        |
| 1322 332036 2010-04-01 | SUNBURST JJ        |
| 1322 332037 2010-04-01 | SUNBURST KK        |

**POOL DESIGNATION (cont'd)**

1322 332038 2010-01-01 SUNBURST LL  
1322 332039 2010-07-01 SUNBURST MM  
1322 332040 2010-10-01 SUNBURST NN  
1322 332041 2010-10-01 SUNBURST OO  
1322 332042 2011-01-01 SUNBURST PP  
1322 332043 2011-03-01 SUNBURST QQ  
1322 332044 2011-04-01 SUNBURST RR  
1322 332045 2011-05-01 SUNBURST SS  
1322 332046 2012-04-01 SUNBURST TT  
1322 332047 2011-10-01 SUNBURST UU  
1322 332048 2013-10-01 SUNBURST VV  
1322 332049 2018-11-01 SUNBURST WW

1322 344001 2011-10-01 CUTBANK A

1322 420001 2001-10-01 SWIFT A  
1322 420003 2005-07-01 SWIFT C  
1322 420004 2007-10-01 SWIFT D  
1322 420005 2010-04-01 SWIFT E  
1322 420006 2009-03-01 SWIFT F

1322 630001 2008-03-01 TURNER VALLEY A

**SPACING PATTERN**

SU 4288 23 Apr 2005  
SU 4288B 9 Dec 2005  
SU 4288C 18 Jan 2006  
SU 4288D 15 May 2006  
SU 4288E 26 Sep 2007

**ENHANCED RECOVERY SCHEMES**

Waterflood  
Barons A  
Long Term Asset Management Inc.

**COMMINGLED PRODUCTION**

MU 8844 29 Nov 2018

**FIELD DESIGNATION**

0319 2018-11-01                   EDBERG FIELD

**POOL DESIGNATION**

0319 126004 2010-04-01       BELLY RIVER D  
0319 126006 2002-11-01       BELLY RIVER F  
0319 126007 2015-09-01       BELLY RIVER G  
0319 126008 2008-03-01       BELLY RIVER H  
0319 126009 2010-02-01       BELLY RIVER I

0319 134003 2005-06-01       BASAL BELLY RIVER C  
0319 134004 2005-06-01       BASAL BELLY RIVER D  
0319 134005 2010-06-01       BASAL BELLY RIVER E  
0319 134009 2010-07-01       BASAL BELLY RIVER I  
0319 134010 2010-09-01       BASAL BELLY RIVER J

0319 218001 2008-03-01       VIKING A  
0319 218002 2007-01-01       VIKING B  
0319 218003 2007-05-01       VIKING C

0319 300001 2001-02-01       GLAUCONITIC A  
0319 300002 2001-02-01       GLAUCONITIC B  
0319 300003 2010-06-01       GLAUCONITIC C

0319 316001 2001-02-01       OSTRACOD A  
0319 316002 2008-03-01       OSTRACOD B

0319 336001 2001-02-01       ELLERSLIE A  
0319 336002 2001-02-01       ELLERSLIE B  
0319 336003 2001-02-01       ELLERSLIE C  
0319 336005 2001-02-01       ELLERSLIE E  
0319 336007 2001-02-01       ELLERSLIE G  
0319 336008 2001-02-01       ELLERSLIE H  
0319 336009 2001-03-01       ELLERSLIE I  
0319 336010 2001-06-01       ELLERSLIE J  
0319 336011 2001-06-01       ELLERSLIE K

**POOL DESIGNATION (cont'd)**

|             |            |                       |
|-------------|------------|-----------------------|
| 0319 336012 | 2002-07-01 | ELLERSLIE L           |
| 0319 336013 | 2004-06-01 | ELLERSLIE M           |
| 0319 336014 | 2008-03-01 | ELLERSLIE N           |
| 0319 336015 | 2009-06-01 | ELLERSLIE O           |
| 0319 336016 | 2014-03-01 | ELLERSLIE P           |
| 0319 853400 | 2010-06-01 | MFP8534 BSL BELLY RIV |

**SPACING PATTERN**

|          |             |
|----------|-------------|
| SU 2955  | 27 Jan 2000 |
| SU 2955A | 28 Sep 2006 |

**FIELD DESIGNATION**

0318 2017-10-01 EDGERTON FIELD

**POOL DESIGNATION**

0318 211001 2010-04-01 LOWER COLORADO A  
0318 211002 2010-04-01 LOWER COLORADO B  
0318 211003 2010-04-01 LOWER COLORADO C  
0318 211004 2006-05-01 LOWER COLORADO D  
0318 211005 2010-04-01 LOWER COLORADO E  
0318 211006 2010-04-01 LOWER COLORADO F  
0318 211007 2010-04-01 LOWER COLORADO G

0318 218001 2006-04-01 VIKING A  
0318 218002 2001-02-01 VIKING B  
0318 218003 2004-08-01 VIKING C  
0318 218004 2010-04-01 VIKING D  
0318 218005 2010-04-01 VIKING E  
0318 218006 2010-04-01 VIKING F  
0318 218007 2010-04-01 VIKING G  
0318 218008 2010-04-01 VIKING H  
0318 218009 2010-04-01 VIKING I  
0318 218010 2010-04-01 VIKING J  
0318 218011 2009-10-01 VIKING K  
0318 218012 2011-05-01 VIKING L

0318 256002 2006-04-01 COLONY B  
0318 256003 2001-02-01 COLONY C  
0318 256004 2001-02-01 COLONY D  
0318 256005 2001-02-01 COLONY E  
0318 256007 2001-02-01 COLONY G  
0318 256008 2001-02-01 COLONY H  
0318 256009 2001-02-01 COLONY I  
0318 256010 2001-02-01 COLONY J  
0318 256011 2014-03-01 COLONY K  
0318 256012 2001-02-01 COLONY L  
0318 256013 2001-02-01 COLONY M



**POOL DESIGNATION (cont'd)**

|                        |                     |
|------------------------|---------------------|
| 0318 256014 2002-06-01 | COLONY N            |
| 0318 256015 2002-12-01 | COLONY O            |
| 0318 256016 2010-04-01 | COLONY P            |
| 0318 256017 2010-04-01 | COLONY Q            |
| 0318 256018 2006-03-01 | COLONY R            |
| 0318 256019 2013-05-01 | COLONY S            |
|                        |                     |
| 0318 268001 2001-02-01 | MCLAREN A           |
| 0318 268002 2001-02-01 | MCLAREN B           |
| 0318 268003 2001-02-01 | MCLAREN C           |
| 0318 268004 2006-03-01 | MCLAREN D           |
| 0318 268005 2004-11-01 | MCLAREN E           |
|                        |                     |
| 0318 276001 2001-02-01 | SPARKY A            |
| 0318 276002 2001-02-01 | SPARKY B            |
| 0318 276003 2001-02-01 | SPARKY C            |
|                        |                     |
| 0318 286001 2001-02-01 | GENERAL PETROLEUM A |
|                        |                     |
| 0318 288001 2011-03-01 | REX A               |
| 0318 288002 2003-05-01 | REX B               |
| 0318 288003 2009-01-01 | REX C               |
| 0318 288004 2011-11-01 | REX D               |
|                        |                     |
| 0318 294001 2001-02-01 | LLOYDMINSTER A      |
| 0318 294002 2010-04-01 | LLOYDMINSTER B      |
| 0318 294003 2008-12-01 | LLOYDMINSTER C      |
| 0318 294004 2001-02-01 | LLOYDMINSTER D      |
| 0318 294005 2001-02-01 | LLOYDMINSTER E      |
| 0318 294006 2001-02-01 | LLOYDMINSTER F      |
| 0318 294007 2001-08-01 | LLOYDMINSTER G      |
| 0318 294009 2001-02-01 | LLOYDMINSTER I      |
| 0318 294010 2011-02-01 | LLOYDMINSTER J      |
| 0318 294011 2008-01-01 | LLOYDMINSTER K      |
| 0318 294012 2008-12-01 | LLOYDMINSTER L      |
| 0318 294014 2006-02-01 | LLOYDMINSTER N      |
| 0318 294015 2005-06-01 | LLOYDMINSTER O      |
| 0318 294016 2006-09-01 | LLOYDMINSTER P      |

**POOL DESIGNATION (cont'd)**

0318 294017 2008-05-01 LLOYDMINSTER Q  
0318 294018 2008-10-01 LLOYDMINSTER R

0318 658001 2011-07-01 D-1 A

0318 696001 2010-04-01 D-2 A  
0318 696004 2001-02-01 D-2 D

0318 704001 2011-09-01 WOODBEND A

0318 708001 2001-09-01 CAMROSE A

**SPACING PATTERN**

SU 2858 11 Mar 1998  
SU 2858A 26 Oct 2000  
SU 2858B 23 Feb 2001  
SU 2858C 23 Oct 2002  
SU 2858D 24 Jun 2003  
SU 2858E 16 Nov 2004  
SU 2858F 28 Jul 2005  
SU 2858G 17 Jul 2007

**SUBSURFACE DISPOSAL SCHEMES**

App 4830E 30 Jun 2016  
Class II  
Repsol Oil & Gas Canada Inc.

App 10593E 8 Jul 2016  
Class II  
Caltex Resources Ltd.

**COMMINGLED PRODUCTION**

MU 7494 5 Aug 2010

**ENHANCED RECOVERY SCHEMES**

App 8913K 19 Jan 2016  
Waterflood  
Lloydminster C and J  
Repsol Oil & Gas Canada Inc.

App 10212D 30 May 2017  
Waterflood  
Rex A  
Repsol Oil & Gas Canada Inc.

**SPACING PATTERN**

SU 4266      13 Jan 2005

**FIELD DESIGNATION**

1067 2004-12-01                      EDRA FIELD

**POOL DESIGNATION**

1067 716003 2010-04-01              GROSMONT C  
1067 716006 2003-12-01              GROSMONT F  
1067 716007 2004-03-01              GROSMONT G  
1067 716008 2004-03-01              GROSMONT H  
1067 716012 2007-08-01              GROSMONT L

**FIELD DESIGNATION**

0320 2017-09-01 EDSON FIELD

**POOL DESIGNATION**

0320 126003 2006-07-01 BELLY RIVER C

0320 126004 2009-02-01 BELLY RIVER D

0320 134001 2005-06-01 BASAL BELLY RIVER A

0320 134002 2005-06-01 BASAL BELLY RIVER B

0320 176001 2010-04-01 CARDIUM A

0320 176002 2010-04-01 CARDIUM B

0320 176005 2010-04-01 CARDIUM E

0320 176009 2010-04-01 CARDIUM I

0320 176010 2010-04-01 CARDIUM J

0320 176011 2010-04-01 CARDIUM K

0320 176016 2011-06-01 CARDIUM P

0320 176020 2001-02-01 CARDIUM T

0320 176021 2001-02-01 CARDIUM U

0320 176029 2010-04-01 CARDIUM CC

0320 176031 2001-02-01 CARDIUM EE

0320 176035 2001-02-01 CARDIUM II

0320 176036 2001-02-01 CARDIUM JJ

0320 176037 2001-02-01 CARDIUM KK

0320 176044 2012-08-01 CARDIUM RR

0320 176045 2001-02-01 CARDIUM SS

0320 176047 2001-02-01 CARDIUM UU

0320 176048 2007-01-01 CARDIUM VV

0320 176049 2011-01-01 CARDIUM WW

0320 176052 2014-12-01 CARDIUM ZZ

0320 176301 2001-02-01 CARDIUM AAA

0320 176304 2001-02-01 CARDIUM DDD

0320 176305 2001-02-01 CARDIUM EEE

0320 176307 2007-06-01 CARDIUM GGG

0320 176309 2001-02-01 CARDIUM III

0320 176310 2001-02-01 CARDIUM JJJ

**POOL DESIGNATION (cont'd)**

|                        |                       |
|------------------------|-----------------------|
| 0320 176311 2001-02-01 | CARDIUM KKK           |
| 0320 176313 2001-02-01 | CARDIUM MMM           |
| 0320 176315 2001-04-01 | CARDIUM OOO           |
| 0320 176317 2003-03-01 | CARDIUM QQQ           |
| 0320 176319 2004-03-01 | CARDIUM SSS           |
| 0320 176320 2007-04-01 | CARDIUM TTT           |
| 0320 176322 2010-01-01 | CARDIUM VVV           |
| 0320 176323 2012-11-01 | CARDIUM WWW           |
| 0320 176325 2011-06-01 | CARDIUM YYY           |
| 0320 176326 2011-06-01 | CARDIUM ZZZ           |
| 0320 176329 2012-04-01 | CARDIUM C2C           |
| 0320 176330 2012-05-01 | CARDIUM D2D           |
| 0320 176331 2012-11-01 | CARDIUM E2E           |
| 0320 176332 2012-12-01 | CARDIUM F2F           |
| 0320 176333 2013-04-01 | CARDIUM G2G           |
| 0320 176334 2014-02-01 | CARDIUM H2H           |
| 0320 176335 2015-11-01 | CARDIUM I2I           |
| 0320 176336 2015-11-01 | CARDIUM J2J           |
| 0320 176337 2015-11-01 | CARDIUM K2K           |
| 0320 176338 2015-11-01 | CARDIUM L2L           |
| 0320 186001 2001-02-01 | SECOND WHITE SPECKS A |
| 0320 186002 2001-02-01 | SECOND WHITE SPECKS B |
| 0320 186003 2004-07-01 | SECOND WHITE SPECKS C |
| 0320 186004 2001-02-01 | SECOND WHITE SPECKS D |
| 0320 186005 2001-02-01 | SECOND WHITE SPECKS E |
| 0320 186006 2001-02-01 | SECOND WHITE SPECKS F |
| 0320 186007 2001-02-01 | SECOND WHITE SPECKS G |
| 0320 186008 2010-04-01 | SECOND WHITE SPECKS H |
| 0320 186009 2004-05-01 | SECOND WHITE SPECKS I |
| 0320 186010 2009-09-01 | SECOND WHITE SPECKS J |
| 0320 186011 2010-09-01 | SECOND WHITE SPECKS K |
| 0320 186012 2012-08-01 | SECOND WHITE SPECKS L |
| 0320 186013 2011-05-01 | SECOND WHITE SPECKS M |
| 0320 186014 2013-01-01 | SECOND WHITE SPECKS N |
| 0320 186015 2013-01-01 | SECOND WHITE SPECKS O |
| 0320 218001 2010-04-01 | VIKING A              |

**POOL DESIGNATION (cont'd)**

|                        |                    |
|------------------------|--------------------|
| 0320 218002 2012-12-01 | VIKING B           |
| 0320 218004 2012-06-01 | VIKING D           |
| 0320 218005 2006-04-01 | VIKING E           |
| 0320 218006 2011-09-01 | VIKING F           |
| 0320 218008 2010-04-01 | VIKING H           |
| 0320 218011 2008-02-01 | VIKING K           |
| 0320 218017 2009-11-01 | VIKING Q           |
| 0320 218019 2012-12-01 | VIKING S           |
| 0320 218020 2014-04-01 | VIKING T           |
| 0320 218021 2015-11-01 | VIKING U           |
| 0320 218022 2015-11-01 | VIKING V           |
| 0320 218023 2017-07-01 | VIKING W           |
|                        |                    |
| 0320 250001 2003-02-01 | UPPER MANNVILLE A  |
| 0320 250002 2003-07-01 | UPPER MANNVILLE B  |
| 0320 250003 2003-10-01 | UPPER MANNVILLE C  |
| 0320 250004 2010-04-01 | UPPER MANNVILLE D  |
| 0320 250005 2012-02-01 | UPPER MANNVILLE E  |
| 0320 250006 2010-04-01 | UPPER MANNVILLE F  |
| 0320 250007 2006-06-01 | UPPER MANNVILLE G  |
| 0320 250008 2010-04-01 | UPPER MANNVILLE H  |
| 0320 250009 2009-06-01 | UPPER MANNVILLE I  |
| 0320 250010 2008-05-01 | UPPER MANNVILLE J  |
| 0320 250012 2013-07-01 | UPPER MANNVILLE L  |
| 0320 250013 2009-01-01 | UPPER MANNVILLE M  |
| 0320 250014 2017-08-01 | UPPER MANNVILLE N  |
| 0320 250015 2009-03-01 | UPPER MANNVILLE O  |
| 0320 250018 2010-02-01 | UPPER MANNVILLE R  |
| 0320 250019 2010-02-01 | UPPER MANNVILLE S  |
| 0320 250020 2010-09-01 | UPPER MANNVILLE T  |
| 0320 250021 2016-04-01 | UPPER MANNVILLE U  |
| 0320 250023 2011-05-01 | UPPER MANNVILLE W  |
| 0320 250026 2015-11-01 | UPPER MANNVILLE Z  |
| 0320 250027 2012-12-01 | UPPER MANNVILLE AA |
| 0320 250029 2013-05-01 | UPPER MANNVILLE CC |
| 0320 250030 2013-10-01 | UPPER MANNVILLE DD |
| 0320 250031 2014-02-01 | UPPER MANNVILLE EE |
| 0320 250034 2013-11-01 | UPPER MANNVILLE HH |

**POOL DESIGNATION (cont'd)**

|                        |                    |
|------------------------|--------------------|
| 0320 250038 2015-11-01 | UPPER MANNVILLE LL |
| 0320 250039 2015-11-01 | UPPER MANNVILLE MM |
| 0320 250040 2015-11-01 | UPPER MANNVILLE NN |
| 0320 250041 2015-11-01 | UPPER MANNVILLE OO |
| 0320 250042 2015-11-01 | UPPER MANNVILLE PP |
| 0320 250043 2015-12-01 | UPPER MANNVILLE QQ |
| 0320 250045 2015-12-01 | UPPER MANNVILLE SS |
| 0320 250046 2016-01-01 | UPPER MANNVILLE TT |
| 0320 250047 2016-01-01 | UPPER MANNVILLE UU |
|                        |                    |
| 0320 264001 2012-03-01 | SPIRIT RIVER A     |
|                        |                    |
| 0320 266001 2010-04-01 | NOTIKEWIN A        |
| 0320 266004 2017-12-01 | NOTIKEWIN D        |
| 0320 266006 2013-03-01 | NOTIKEWIN F        |
| 0320 266007 2010-04-01 | NOTIKEWIN G        |
| 0320 266008 2011-02-01 | NOTIKEWIN H        |
| 0320 266009 2011-05-01 | NOTIKEWIN I        |
| 0320 266010 2011-06-01 | NOTIKEWIN J        |
| 0320 266011 2012-12-01 | NOTIKEWIN K        |
| 0320 266012 2013-01-01 | NOTIKEWIN L        |
| 0320 266013 2013-02-01 | NOTIKEWIN M        |
|                        |                    |
| 0320 271501 2010-04-01 | FALHER A           |
|                        |                    |
| 0320 304001 2014-02-01 | BLUESKY A          |
| 0320 304005 2001-02-01 | BLUESKY E          |
| 0320 304007 2005-04-01 | BLUESKY G          |
| 0320 304009 2010-04-01 | BLUESKY I          |
| 0320 304010 2012-04-01 | BLUESKY J          |
| 0320 304013 2012-07-01 | BLUESKY M          |
| 0320 304018 2003-10-01 | BLUESKY R          |
| 0320 304020 2004-08-01 | BLUESKY T          |
| 0320 304021 2004-12-01 | BLUESKY U          |
| 0320 304025 2012-03-01 | BLUESKY Y          |
| 0320 304027 2011-04-01 | BLUESKY AA         |
| 0320 304036 2011-06-01 | BLUESKY JJ         |
| 0320 304037 2013-09-01 | BLUESKY KK         |



**POOL DESIGNATION (cont'd)**

|                        |                   |
|------------------------|-------------------|
| 0320 304038 2013-11-01 | BLUESKY LL        |
| 0320 304039 2015-11-01 | BLUESKY MM        |
| 0320 304040 2017-07-01 | BLUESKY NN        |
|                        |                   |
| 0320 305001 2013-02-01 | BLUESKY-GETHING A |
|                        |                   |
| 0320 326004 2010-04-01 | GETHING D         |
| 0320 326005 2001-02-01 | GETHING E         |
| 0320 326006 2010-04-01 | GETHING F         |
| 0320 326007 2005-04-01 | GETHING G         |
| 0320 326008 2010-04-01 | GETHING H         |
| 0320 326009 2001-02-01 | GETHING I         |
| 0320 326010 2002-08-01 | GETHING J         |
| 0320 326011 2001-02-01 | GETHING K         |
| 0320 326012 2001-03-01 | GETHING L         |
| 0320 326013 2001-04-01 | GETHING M         |
| 0320 326015 2002-11-01 | GETHING O         |
| 0320 326016 2003-02-01 | GETHING P         |
| 0320 326017 2004-10-01 | GETHING Q         |
| 0320 326018 2010-04-01 | GETHING R         |
| 0320 326019 2004-09-01 | GETHING S         |
| 0320 326020 2004-09-01 | GETHING T         |
| 0320 326021 2011-08-01 | GETHING U         |
| 0320 326022 2014-02-01 | GETHING V         |
| 0320 326023 2004-08-01 | GETHING W         |
| 0320 326024 2005-05-01 | GETHING X         |
| 0320 326025 2010-04-01 | GETHING Y         |
| 0320 326026 2010-04-01 | GETHING Z         |
| 0320 326027 2005-05-01 | GETHING AA        |
| 0320 326029 2005-07-01 | GETHING CC        |
| 0320 326030 2005-09-01 | GETHING DD        |
| 0320 326031 2005-10-01 | GETHING EE        |
| 0320 326032 2013-08-01 | GETHING FF        |
| 0320 326033 2007-04-01 | GETHING GG        |
| 0320 326037 2008-05-01 | GETHING KK        |
| 0320 326049 2009-08-01 | GETHING WW        |
| 0320 326050 2009-02-01 | GETHING XX        |
| 0320 326051 2010-04-01 | GETHING YY        |

**POOL DESIGNATION (cont'd)**

|                        |              |
|------------------------|--------------|
| 0320 326052 2011-11-01 | GETHING ZZ   |
| 0320 326601 2010-02-01 | GETHING AAA  |
| 0320 326602 2010-03-01 | GETHING BBB  |
| 0320 326603 2012-06-01 | GETHING CCC  |
| 0320 326604 2010-03-01 | GETHING DDD  |
| 0320 326606 2010-03-01 | GETHING FFF  |
| 0320 326607 2011-06-01 | GETHING GGG  |
| 0320 326609 2011-06-01 | GETHING III  |
| 0320 326610 2011-08-01 | GETHING JJJ  |
| 0320 326611 2012-02-01 | GETHING KKK  |
| 0320 326612 2012-12-01 | GETHING LLL  |
| 0320 326613 2012-12-01 | GETHING MMM  |
| 0320 326615 2014-06-01 | GETHING OOO  |
| 0320 326616 2015-12-01 | GETHING PPP  |
| 0320 326617 2015-11-01 | GETHING QQQ  |
| 0320 326618 2015-11-01 | GETHING RRR  |
| 0320 326619 2015-11-01 | GETHING SSS  |
| 0320 326620 2015-11-01 | GETHING TTT  |
| 0320 326621 2015-11-01 | GETHING UUU  |
| 0320 326622 2015-11-01 | GETHING VVV  |
| 0320 326623 2015-11-01 | GETHING WWW  |
| 0320 326624 2015-11-01 | GETHING XXX  |
| 0320 326625 2017-07-01 | GETHING YYY  |
| 0320 336001 2010-04-01 | ELLERSLIE A  |
| 0320 336003 2008-10-01 | ELLERSLIE C  |
| 0320 336004 2008-10-01 | ELLERSLIE D  |
| 0320 336005 2009-11-01 | ELLERSLIE E  |
| 0320 336006 2013-10-01 | ELLERSLIE F  |
| 0320 336007 2015-11-01 | ELLERSLIE G  |
| 0320 336008 2015-11-01 | ELLERSLIE H  |
| 0320 336009 2015-11-01 | ELLERSLIE I  |
| 0320 336010 2015-11-01 | ELLERSLIE J  |
| 0320 348007 2012-07-01 | CADOMIN G    |
| 0320 348008 2012-12-01 | CADOMIN H    |
| 0320 432001 2001-02-01 | ROCK CREEK A |

**POOL DESIGNATION (cont'd)**

|                        |                |
|------------------------|----------------|
| 0320 432003 2011-04-01 | ROCK CREEK C   |
| 0320 432004 2003-06-01 | ROCK CREEK D   |
| 0320 432008 2011-04-01 | ROCK CREEK H   |
| 0320 432013 2005-10-01 | ROCK CREEK M   |
| 0320 432017 2006-07-01 | ROCK CREEK Q   |
| 0320 432018 2007-04-01 | ROCK CREEK R   |
| 0320 432021 2010-04-01 | ROCK CREEK U   |
| 0320 432022 2007-07-01 | ROCK CREEK V   |
| 0320 432023 2007-07-01 | ROCK CREEK W   |
| 0320 432026 2008-05-01 | ROCK CREEK Z   |
| 0320 432028 2010-04-01 | ROCK CREEK BB  |
| 0320 432031 2008-10-01 | ROCK CREEK EE  |
| 0320 432035 2008-12-01 | ROCK CREEK II  |
| 0320 432040 2013-04-01 | ROCK CREEK NN  |
| 0320 432043 2010-01-01 | ROCK CREEK QQ  |
| 0320 432045 2009-09-01 | ROCK CREEK SS  |
| 0320 432048 2010-08-01 | ROCK CREEK VV  |
| 0320 432049 2012-11-01 | ROCK CREEK WW  |
| 0320 432050 2015-11-01 | ROCK CREEK XX  |
| 0320 432051 2015-11-01 | ROCK CREEK YY  |
| 0320 432052 2015-11-01 | ROCK CREEK ZZ  |
| 0320 432501 2015-11-01 | ROCK CREEK AAA |
| 0320 444001 2015-11-01 | NORDEGG A      |
| 0320 444002 2015-11-01 | NORDEGG B      |
| 0320 500001 2001-02-01 | TRIASSIC A     |
| 0320 500002 2001-02-01 | TRIASSIC B     |
| 0320 500003 2007-12-01 | TRIASSIC C     |
| 0320 638001 2010-04-01 | ELKTON A       |
| 0320 640001 2001-02-01 | SHUNDA A       |
| 0320 640002 2001-02-01 | SHUNDA B       |
| 0320 640003 2006-09-01 | SHUNDA C       |
| 0320 640004 2006-09-01 | SHUNDA D       |
| 0320 640005 2015-11-01 | SHUNDA E       |
| 0320 640006 2015-11-01 | SHUNDA F       |

**POOL DESIGNATION (cont'd)**

|             |            |                    |
|-------------|------------|--------------------|
| 0320 680001 | 2010-04-01 | BLUERIDGE A        |
| 0320 680002 | 2010-04-01 | BLUERIDGE B        |
| 0320 696001 | 2001-04-01 | NISKU A            |
| 0320 860100 | 2011-10-01 | MFP8601 ROCK CREEK |
| 0320 860200 | 2017-09-01 | MFP8602 CARDIUM    |

**SPACING PATTERN**

|          |             |
|----------|-------------|
| SU 4208  | 6 Aug 2004  |
| SU 4208A | 10 Sep 2004 |
| SU 4208B | 27 Sep 2004 |
| SU 4208C | 13 Jan 2005 |
| SU 4208D | 7 May 2005  |
| SU 4208E | 2 Sep 2005  |
| SU 4208F | 9 Feb 2006  |
| SU 4208G | 14 Aug 2006 |
| SU 4208H | 5 Sep 2006  |
| SU 4208I | 22 Mar 2007 |
| SU 4208J | 13 Aug 2007 |
| SU 4208K | 21 Sep 2007 |

**SUBSURFACE DISPOSAL SCHEMES**

|                              |             |
|------------------------------|-------------|
| App 1686D                    | 31 May 2017 |
| Class II                     |             |
| Repsol Oil & Gas Canada Inc. |             |
| App 9960H                    | 7 Jun 2012  |
| Class Ib                     |             |
| Tervita Corporation          |             |
| CCS Corporation              |             |
| App 12000D                   | 11 Apr 2016 |
| Class II & Class 1b          |             |
| Secure Energy Services Inc.  |             |

**COMMINGLED PRODUCTION**

|         |             |
|---------|-------------|
| MU 8816 | 12 Jul 2017 |
| MU 2610 | 17 May 2002 |

**COMPULSORY POOLING**

|                  |             |
|------------------|-------------|
| P 329            | 10 Aug 2007 |
| P 329A           | 11 Dec 2007 |
| P 329B           | 6 Aug 2008  |
| Gas              |             |
| 08-052-15W5M     |             |
| Vero Energy Inc. |             |

**GAS STORAGE SCHEMES**

|                         |            |
|-------------------------|------------|
| App 9748I               | 4 Jun 2013 |
| Viking D                |            |
| TransCanada Energy Ltd. |            |

**FIELD DESIGNATION**

0325 2016-04-01 EDWAND FIELD

**POOL DESIGNATION**

0325 218001 2001-02-01 VIKING A  
0325 218002 2001-02-01 VIKING B  
0325 218003 2001-02-01 VIKING C  
0325 218004 2001-09-01 VIKING D  
0325 218005 2002-09-01 VIKING E  
0325 218006 2001-02-01 VIKING F  
0325 218007 2001-02-01 VIKING G  
0325 218008 2006-08-01 VIKING H  
0325 218009 2010-04-01 VIKING I  
0325 218010 2001-03-01 VIKING J  
0325 218011 2003-03-01 VIKING K  
0325 218012 2006-11-01 VIKING L  
0325 218013 2007-05-01 VIKING M  
0325 218014 2007-07-01 VIKING N  
0325 218015 2007-07-01 VIKING O  
0325 218016 2008-03-01 VIKING P

0325 250001 2001-02-01 UPPER MANNVILLE A  
0325 250002 2001-02-01 UPPER MANNVILLE B  
0325 250004 2001-02-01 UPPER MANNVILLE D  
0325 250005 2007-01-01 UPPER MANNVILLE E  
0325 250006 2007-10-01 UPPER MANNVILLE F  
0325 250007 2007-08-01 UPPER MANNVILLE G  
0325 250008 2007-10-01 UPPER MANNVILLE H  
0325 250009 2008-05-01 UPPER MANNVILLE I  
0325 250010 2010-04-01 UPPER MANNVILLE J  
0325 250011 2011-05-01 UPPER MANNVILLE K

0325 256001 2001-02-01 COLONY A  
0325 256002 2001-02-01 COLONY B  
0325 256003 2011-08-01 COLONY C  
0325 256004 2001-02-01 COLONY D

**POOL DESIGNATION (cont'd)**

|                        |                |
|------------------------|----------------|
| 0325 256005 2001-02-01 | COLONY E       |
| 0325 256006 2010-04-01 | COLONY F       |
| 0325 256008 2001-02-01 | COLONY H       |
| 0325 256009 2010-04-01 | COLONY I       |
| 0325 256010 2001-02-01 | COLONY J       |
| 0325 256011 2007-11-01 | COLONY K       |
| 0325 256012 2010-04-01 | COLONY L       |
| 0325 256013 2001-02-01 | COLONY M       |
| 0325 256014 2010-04-01 | COLONY N       |
| 0325 256015 2001-02-01 | COLONY O       |
| 0325 256016 2001-03-01 | COLONY P       |
| 0325 256017 2011-02-01 | COLONY Q       |
| 0325 256018 2001-12-01 | COLONY R       |
| 0325 256019 2003-11-01 | COLONY S       |
| 0325 256020 2009-10-01 | COLONY T       |
|                        |                |
| 0325 262001 2010-04-01 | GRAND RAPIDS A |
| 0325 262003 2010-04-01 | GRAND RAPIDS C |
| 0325 262004 2001-02-01 | GRAND RAPIDS D |
| 0325 262006 2006-06-01 | GRAND RAPIDS F |
| 0325 262007 2010-04-01 | GRAND RAPIDS G |
| 0325 262008 2010-04-01 | GRAND RAPIDS H |
| 0325 262009 2001-02-01 | GRAND RAPIDS I |
| 0325 262010 2010-04-01 | GRAND RAPIDS J |
| 0325 262011 2001-02-01 | GRAND RAPIDS K |
| 0325 262012 2001-02-01 | GRAND RAPIDS L |
| 0325 262013 2001-02-01 | GRAND RAPIDS M |
| 0325 262014 2001-02-01 | GRAND RAPIDS N |
| 0325 262015 2010-04-01 | GRAND RAPIDS O |
| 0325 262016 2001-02-01 | GRAND RAPIDS P |
| 0325 262017 2001-02-01 | GRAND RAPIDS Q |
| 0325 262018 2010-04-01 | GRAND RAPIDS R |
| 0325 262019 2010-04-01 | GRAND RAPIDS S |
| 0325 262021 2010-04-01 | GRAND RAPIDS U |
| 0325 262022 2010-04-01 | GRAND RAPIDS V |
| 0325 262024 2001-02-01 | GRAND RAPIDS X |
| 0325 262025 2001-02-01 | GRAND RAPIDS Y |
| 0325 262026 2001-02-01 | GRAND RAPIDS Z |

**POOL DESIGNATION (cont'd)**

|                        |                  |
|------------------------|------------------|
| 0325 262027 2001-02-01 | GRAND RAPIDS AA  |
| 0325 262028 2001-02-01 | GRAND RAPIDS BB  |
| 0325 262029 2001-02-01 | GRAND RAPIDS CC  |
| 0325 262030 2010-04-01 | GRAND RAPIDS DD  |
| 0325 262031 2001-02-01 | GRAND RAPIDS EE  |
| 0325 262032 2003-09-01 | GRAND RAPIDS FF  |
| 0325 262033 2001-02-01 | GRAND RAPIDS GG  |
| 0325 262034 2001-02-01 | GRAND RAPIDS HH  |
| 0325 262035 2001-02-01 | GRAND RAPIDS II  |
| 0325 262036 2010-04-01 | GRAND RAPIDS JJ  |
| 0325 262037 2004-09-01 | GRAND RAPIDS KK  |
| 0325 262038 2003-11-01 | GRAND RAPIDS LL  |
| 0325 262039 2003-11-01 | GRAND RAPIDS MM  |
| 0325 262040 2001-02-01 | GRAND RAPIDS NN  |
| 0325 262041 2001-02-01 | GRAND RAPIDS OO  |
| 0325 262042 2011-02-01 | GRAND RAPIDS PP  |
| 0325 262043 2001-02-01 | GRAND RAPIDS QQ  |
| 0325 262044 2001-02-01 | GRAND RAPIDS RR  |
| 0325 262045 2001-02-01 | GRAND RAPIDS SS  |
| 0325 262046 2001-02-01 | GRAND RAPIDS TT  |
| 0325 262047 2011-09-01 | GRAND RAPIDS UU  |
| 0325 262048 2001-02-01 | GRAND RAPIDS VV  |
| 0325 262049 2013-07-01 | GRAND RAPIDS WW  |
| 0325 262050 2001-02-01 | GRAND RAPIDS XX  |
| 0325 262051 2001-02-01 | GRAND RAPIDS YY  |
| 0325 262052 2010-04-01 | GRAND RAPIDS ZZ  |
| 0325 262501 2001-02-01 | GRAND RAPIDS AAA |
| 0325 262502 2001-02-01 | GRAND RAPIDS BBB |
| 0325 262503 2001-02-01 | GRAND RAPIDS CCC |
| 0325 262504 2001-02-01 | GRAND RAPIDS DDD |
| 0325 262505 2001-03-01 | GRAND RAPIDS EEE |
| 0325 262506 2001-03-01 | GRAND RAPIDS FFF |
| 0325 262507 2001-06-01 | GRAND RAPIDS GGG |
| 0325 262508 2002-04-01 | GRAND RAPIDS HHH |
| 0325 262509 2009-10-01 | GRAND RAPIDS III |
| 0325 262510 2002-05-01 | GRAND RAPIDS JJJ |
| 0325 262511 2002-05-01 | GRAND RAPIDS KKK |
| 0325 262512 2010-04-01 | GRAND RAPIDS LLL |

**POOL DESIGNATION (cont'd)**

|                        |                  |
|------------------------|------------------|
| 0325 262513 2004-05-01 | GRAND RAPIDS MMM |
| 0325 262514 2004-08-01 | GRAND RAPIDS NNN |
| 0325 262515 2004-09-01 | GRAND RAPIDS OOO |
| 0325 262516 2005-12-01 | GRAND RAPIDS PPP |
| 0325 262517 2006-01-01 | GRAND RAPIDS QQQ |
| 0325 262518 2006-01-01 | GRAND RAPIDS RRR |
| 0325 262519 2006-01-01 | GRAND RAPIDS SSS |
| 0325 262520 2006-03-01 | GRAND RAPIDS TTT |
| 0325 262521 2006-08-01 | GRAND RAPIDS UUU |
| 0325 262522 2006-09-01 | GRAND RAPIDS VVV |
| 0325 262523 2011-12-01 | GRAND RAPIDS WWW |
| 0325 262524 2007-07-01 | GRAND RAPIDS XXX |
| 0325 262525 2007-10-01 | GRAND RAPIDS YYY |
| 0325 262526 2008-08-01 | GRAND RAPIDS ZZZ |
| 0325 262527 2009-02-01 | GRAND RAPIDS A2A |
| 0325 262528 2010-04-01 | GRAND RAPIDS B2B |
| 0325 262529 2010-05-01 | GRAND RAPIDS C2C |
| 0325 262530 2011-01-01 | GRAND RAPIDS D2D |
| 0325 262531 2011-04-01 | GRAND RAPIDS E2E |
| 0325 262532 2013-04-01 | GRAND RAPIDS F2F |
| 0325 276001 2001-02-01 | SPARKY A         |
| 0325 276002 2003-11-01 | SPARKY B         |
| 0325 276003 2001-02-01 | SPARKY C         |
| 0325 276004 2007-07-01 | SPARKY D         |
| 0325 276005 2011-03-01 | SPARKY E         |
| 0325 280001 2001-02-01 | CLEARWATER A     |
| 0325 280002 2001-02-01 | CLEARWATER B     |
| 0325 280003 2001-02-01 | CLEARWATER C     |
| 0325 280004 2001-02-01 | CLEARWATER D     |
| 0325 280005 2001-02-01 | CLEARWATER E     |
| 0325 280006 2001-02-01 | CLEARWATER F     |
| 0325 280007 2001-02-01 | CLEARWATER G     |
| 0325 280008 2001-02-01 | CLEARWATER H     |
| 0325 280009 2001-02-01 | CLEARWATER I     |
| 0325 280010 2001-03-01 | CLEARWATER J     |
| 0325 280011 2006-11-01 | CLEARWATER K     |



**POOL DESIGNATION (cont'd)**

|                        |               |
|------------------------|---------------|
| 0325 280012 2010-04-01 | CLEARWATER L  |
| 0325 280013 2010-04-01 | CLEARWATER M  |
| 0325 280014 2011-04-01 | CLEARWATER N  |
| 0325 300001 2001-02-01 | GLAUCONITIC A |
| 0325 300002 2001-03-01 | GLAUCONITIC B |
| 0325 300003 2004-04-01 | GLAUCONITIC C |
| 0325 300004 2011-12-01 | GLAUCONITIC D |
| 0325 300005 2016-04-01 | GLAUCONITIC E |
| 0325 306001 2010-04-01 | WABISKAW A    |
| 0325 306004 2001-02-01 | WABISKAW D    |
| 0325 306005 2001-02-01 | WABISKAW E    |
| 0325 306006 2001-02-01 | WABISKAW F    |
| 0325 306007 2001-02-01 | WABISKAW G    |
| 0325 306008 2001-03-01 | WABISKAW H    |
| 0325 328001 2001-02-01 | MCMURRAY A    |
| 0325 328003 2001-02-01 | MCMURRAY C    |
| 0325 328004 2001-02-01 | MCMURRAY D    |
| 0325 328006 2001-02-01 | MCMURRAY F    |
| 0325 696001 2010-04-01 | NISKU A       |
| 0325 696002 2001-02-01 | NISKU B       |
| 0325 696003 2003-11-01 | NISKU C       |
| 0325 696004 2010-04-01 | NISKU D       |
| 0325 696005 2001-02-01 | NISKU E       |
| 0325 696006 2001-02-01 | NISKU F       |
| 0325 696008 2001-02-01 | NISKU H       |
| 0325 696009 2001-02-01 | NISKU I       |
| 0325 696011 2001-02-01 | NISKU K       |
| 0325 696012 2001-02-01 | NISKU L       |
| 0325 696013 2001-02-01 | NISKU M       |
| 0325 696014 2004-04-01 | NISKU N       |
| 0325 696015 2008-09-01 | NISKU O       |
| 0325 708001 2010-04-01 | CAMROSE A     |
| 0325 708002 2001-02-01 | CAMROSE B     |

**POOL DESIGNATION (cont'd)**

|                        |            |
|------------------------|------------|
| 0325 716002 2010-04-01 | GROSMONT B |
| 0325 716003 2010-04-01 | GROSMONT C |
| 0325 716004 2001-02-01 | GROSMONT D |
| 0325 716005 2003-11-01 | GROSMONT E |

**SPACING PATTERN**

|          |             |
|----------|-------------|
| SU 2639  | 18 Apr 1996 |
| SU 2639A | 22 Jun 2000 |

**COMMINGLED PRODUCTION**

|         |            |
|---------|------------|
| MU 6116 | 2 Oct 2006 |
|---------|------------|

**SUBSURFACE DISPOSAL SCHEMES**

|           |             |
|-----------|-------------|
| App 5328  | 14 Aug 1987 |
| App 5328A | 22 Feb 1994 |

Class II  
Canadian Natural Resources Limited

**FIELD DESIGNATION**

0327 2010-02-01 ELIZA FIELD

**POOL DESIGNATION**

0327 160001 2006-07-01 COLORADO A

0327 218001 2006-04-01 VIKING A  
0327 218002 2006-11-01 VIKING B

0327 256001 2001-02-01 COLONY A  
0327 256002 2010-04-01 COLONY B  
0327 256003 2001-02-01 COLONY C  
0327 256004 2001-02-01 COLONY D  
0327 256005 2001-02-01 COLONY E  
0327 256006 2001-02-01 COLONY F  
0327 256007 2005-12-01 COLONY G  
0327 256008 2004-09-01 COLONY H  
0327 256009 2009-06-01 COLONY I  
0327 256010 2001-02-01 COLONY J  
0327 256011 2001-02-01 COLONY K  
0327 256012 2001-02-01 COLONY L  
0327 256013 2010-04-01 COLONY M  
0327 256014 2001-03-01 COLONY N  
0327 256015 2018-07-01 COLONY O  
0327 256016 2004-01-01 COLONY P

0327 262001 2001-02-01 GRAND RAPIDS A  
0327 262002 2006-04-01 GRAND RAPIDS B

0327 276001 2001-02-01 SPARKY A  
0327 276002 2003-09-01 SPARKY B  
0327 276003 2004-09-01 SPARKY C

0327 302001 2001-02-01 CUMMINGS A  
0327 302002 2009-10-01 CUMMINGS B

**POOL DESIGNATION (cont'd)**

|      |        |            |            |
|------|--------|------------|------------|
| 0327 | 306001 | 2001-02-01 | WABISKAW A |
| 0327 | 306002 | 2001-02-01 | WABISKAW B |
| 0327 | 306003 | 2001-02-01 | WABISKAW C |
| 0327 | 306004 | 2003-05-01 | WABISKAW D |

**COMMINGLED PRODUCTION**

MU 5304      28 Feb 2006

**COMPULSORY POOLING**

P 137            13 Dec 1995  
P 137A          29 Apr 1997  
Gas  
09-056-7W4M  
Barrington Petroleum Ltd.

**FIELD DESIGNATION**

1068 2009-12-01 ELKWATER FIELD

**POOL DESIGNATION**

1068 126001 2001-02-01 BELLY RIVER A  
1068 126002 2013-10-01 BELLY RIVER B

1068 158009 2010-12-01 MILK RIVER I  
1068 158010 2007-08-01 MILK RIVER J  
1068 158011 2009-12-01 MILK RIVER K

1068 160001 2007-08-01 COLORADO A  
1068 160002 2007-08-01 COLORADO B  
1068 160003 2008-01-01 COLORADO C  
1068 160004 2008-01-01 COLORADO D  
1068 160005 2008-05-01 COLORADO E  
1068 160006 2009-01-01 COLORADO F  
1068 160007 2009-01-01 COLORADO G  
1068 160008 2010-04-01 COLORADO H  
1068 160009 2010-03-01 COLORADO I  
1068 160010 2010-12-01 COLORADO J

1068 162001 2007-12-01 FIRST WHITE SPECKS A  
1068 162002 2007-12-01 FIRST WHITE SPECKS B  
1068 162003 2007-12-01 FIRST WHITE SPECKS C

1068 202001 2011-01-01 FISH SCALE A  
1068 202002 2009-01-01 FISH SCALE B  
1068 202003 2009-04-01 FISH SCALE C  
1068 202004 2009-04-01 FISH SCALE D  
1068 202005 2009-04-01 FISH SCALE E  
1068 202006 2009-04-01 FISH SCALE F

1068 213001 2001-02-01 BOW ISLAND A  
1068 213002 2001-02-01 BOW ISLAND B  
1068 213003 2010-04-01 BOW ISLAND C

**POOL DESIGNATION (cont'd)**

|             |            |                 |
|-------------|------------|-----------------|
| 1068 213004 | 2010-04-01 | BOW ISLAND D    |
| 1068 213005 | 2010-04-01 | BOW ISLAND E    |
| 1068 213006 | 2008-03-01 | BOW ISLAND F    |
| 1068 213007 | 2013-12-01 | BOW ISLAND G    |
| 1068 428001 | 2001-02-01 | SAWTOOTH A      |
| 1068 428002 | 2009-02-01 | SAWTOOTH B      |
| 1068 428003 | 2014-01-01 | SAWTOOTH C      |
| 1068 850200 | 2011-02-01 | MFP8502 MED HAT |
| 1068 856600 | 2010-04-01 | MFP8566 2WS     |

**SPACING PATTERN**

|          |             |
|----------|-------------|
| SU 2931  | 1 Jun 1999  |
| SU 2931A | 21 Apr 2004 |
| SU 2931B | 10 Jun 2004 |
| SU 2931C | 4 Jul 2005  |
| SU 2931D | 2 Oct 2006  |

**COMMINGLED PRODUCTION**

|         |             |
|---------|-------------|
| MU 7605 | 24 Nov 2010 |
|---------|-------------|

**SUBSURFACE DISPOSAL SCHEMES**

App 10690C 30 Oct 2017  
Class II  
Houston Oil & Gas Ltd.

App 10962D 4 Sep 2013  
Class II  
Pine Cliff Energy Ltd.

**FIELD DESIGNATION**

0332 2001-02-01                      ELLERSLIE FIELD

**POOL DESIGNATION**

0332 244001 2001-02-01              BLAIRMORE A

0332 244002 2001-02-01              BLAIRMORE B

**SPACING PATTERN**

SU 2645              26 Mar 1996

**FIELD DESIGNATION**

1319 2015-07-01                      ELLS FIELD

**POOL DESIGNATION**

1319 306001 2010-04-01      WABISKAW A  
1319 306002 2010-04-01      WABISKAW B  
1319 306003 2015-07-01      WABISKAW C  
  
1319 328007 2010-04-01      MCMURRAY G  
1319 328008 2010-04-01      MCMURRAY H  
1319 328009 2010-04-01      MCMURRAY I  
1319 328010 2010-04-01      MCMURRAY J

**SPACING PATTERN**

SU 2649              17 Apr 1996

**COMMINGLED PRODUCTION**

MU 6472              15 Feb 2007



**FIELD DESIGNATION**

0335 2001-02-01                      ELLSCOTT FIELD

**POOL DESIGNATION**

0335 218001 2001-02-01            VIKING A  
0335 218002 2007-10-01            VIKING B

0335 250001 2001-02-01            UPPER MANNVILLE A  
0335 250002 2001-02-01            UPPER MANNVILLE B  
0335 250005 2001-02-01            UPPER MANNVILLE E  
0335 250006 2010-04-01            UPPER MANNVILLE F  
0335 250007 2002-04-01            UPPER MANNVILLE G  
0335 250008 2001-02-01            UPPER MANNVILLE H  
0335 250009 2001-03-01            UPPER MANNVILLE I  
0335 250010 2010-04-01            UPPER MANNVILLE J  
0335 250011 2001-02-01            UPPER MANNVILLE K  
0335 250012 2001-02-01            UPPER MANNVILLE L  
0335 250013 2001-02-01            UPPER MANNVILLE M  
0335 250015 2001-02-01            UPPER MANNVILLE O  
0335 250016 2001-02-01            UPPER MANNVILLE P  
0335 250017 2001-02-01            UPPER MANNVILLE Q  
0335 250018 2001-02-01            UPPER MANNVILLE R  
0335 250019 2001-03-01            UPPER MANNVILLE S  
0335 250020 2001-08-01            UPPER MANNVILLE T  
0335 250021 2002-01-01            UPPER MANNVILLE U  
0335 250022 2010-04-01            UPPER MANNVILLE V  
0335 250023 2010-04-01            UPPER MANNVILLE W

0335 310001 2001-02-01            LOWER MANNVILLE A  
0335 310002 2001-02-01            LOWER MANNVILLE B  
0335 310003 2001-02-01            LOWER MANNVILLE C  
0335 310004 2001-02-01            LOWER MANNVILLE D  
0335 310005 2001-08-01            LOWER MANNVILLE E

0335 658001 2001-02-01            WABAMUN A

**SPACING PATTERN**

SU 2651      8 May 1996

**COMMINGLED PRODUCTION**

MU 3954      8 Dec 2004

**FIELD DESIGNATION**

0333 2018-12-01                      ELMWORTH FIELD

**POOL DESIGNATION**

0333 176001 2015-02-01            CARDIUM A  
0333 176002 2009-08-01            CARDIUM B  
0333 176003 2012-06-01            CARDIUM C  
0333 176008 2012-07-01            CARDIUM H  
0333 176009 2011-05-01            CARDIUM I

0333 190002 2010-04-01            DOE CREEK B  
0333 190004 2010-04-01            DOE CREEK D  
0333 190005 2001-02-01            DOE CREEK E  
0333 190006 2001-02-01            DOE CREEK F  
0333 190007 2001-02-01            DOE CREEK G  
0333 190009 2009-10-01            DOE CREEK I  
0333 190010 2003-10-01            DOE CREEK J  
0333 190011 2010-04-01            DOE CREEK K  
0333 190012 2010-04-01            DOE CREEK L  
0333 190015 2006-03-01            DOE CREEK O  
0333 190016 2010-03-01            DOE CREEK P  
0333 190017 2006-06-01            DOE CREEK Q  
0333 190018 2010-01-01            DOE CREEK R  
0333 190019 2014-11-01            DOE CREEK S  
0333 190021 2008-11-01            DOE CREEK U  
0333 190022 2009-06-01            DOE CREEK V  
0333 190023 2011-06-01            DOE CREEK W  
0333 190024 2014-08-01            DOE CREEK X

0333 192001 2012-08-01            DUNVEGAN A  
0333 192002 2010-04-01            DUNVEGAN B  
0333 192006 2013-06-01            DUNVEGAN F  
0333 192010 2013-09-01            DUNVEGAN J  
0333 192014 2004-08-01            DUNVEGAN N  
0333 192016 2015-01-01            DUNVEGAN P  
0333 192018 2010-04-01            DUNVEGAN R

**POOL DESIGNATION (cont'd)**

|      |        |            |              |
|------|--------|------------|--------------|
| 0333 | 192021 | 2010-04-01 | DUNVEGAN U   |
| 0333 | 192023 | 2002-04-01 | DUNVEGAN W   |
| 0333 | 192026 | 2010-04-01 | DUNVEGAN Z   |
| 0333 | 192028 | 2004-09-01 | DUNVEGAN BB  |
| 0333 | 192029 | 2004-09-01 | DUNVEGAN CC  |
| 0333 | 192030 | 2007-04-01 | DUNVEGAN DD  |
| 0333 | 192035 | 2007-04-01 | DUNVEGAN II  |
| 0333 | 192039 | 2010-04-01 | DUNVEGAN MM  |
| 0333 | 192040 | 2008-02-01 | DUNVEGAN NN  |
| 0333 | 192041 | 2007-03-01 | DUNVEGAN OO  |
| 0333 | 192044 | 2007-12-01 | DUNVEGAN RR  |
| 0333 | 192045 | 2008-01-01 | DUNVEGAN SS  |
| 0333 | 192046 | 2010-09-01 | DUNVEGAN TT  |
| 0333 | 192047 | 2010-02-01 | DUNVEGAN UU  |
| 0333 | 192048 | 2008-10-01 | DUNVEGAN VV  |
| 0333 | 192049 | 2008-11-01 | DUNVEGAN WW  |
| 0333 | 192050 | 2010-04-01 | DUNVEGAN XX  |
| 0333 | 192052 | 2009-07-01 | DUNVEGAN ZZ  |
| 0333 | 195801 | 2010-04-01 | DUNVEGAN AAA |
| 0333 | 195802 | 2009-09-01 | DUNVEGAN BBB |
| 0333 | 195803 | 2015-08-01 | DUNVEGAN CCC |
| 0333 | 195804 | 2013-02-01 | DUNVEGAN DDD |
| 0333 | 195805 | 2012-07-01 | DUNVEGAN EEE |
| 0333 | 195806 | 2012-07-01 | DUNVEGAN FFF |
| 0333 | 195807 | 2012-07-01 | DUNVEGAN GGG |
| 0333 | 195808 | 2013-03-01 | DUNVEGAN HHH |
| 0333 | 195810 | 2015-02-01 | DUNVEGAN JJJ |
| 0333 | 195811 | 2013-04-01 | DUNVEGAN KKK |
| 0333 | 195813 | 2014-04-01 | DUNVEGAN MMM |
| 0333 | 195814 | 2015-01-01 | DUNVEGAN NNN |
| 0333 | 195815 | 2014-09-01 | DUNVEGAN OOO |
| 0333 | 195816 | 2016-03-01 | DUNVEGAN PPP |
| 0333 | 195817 | 2016-01-01 | DUNVEGAN QQQ |
| 0333 | 195818 | 2016-01-01 | DUNVEGAN RRR |
| 0333 | 195819 | 2016-01-01 | DUNVEGAN SSS |
| 0333 | 195820 | 2016-01-01 | DUNVEGAN TTT |
| 0333 | 195821 | 2016-01-01 | DUNVEGAN UUU |
| 0333 | 195822 | 2016-01-01 | DUNVEGAN VVV |

**POOL DESIGNATION (cont'd)**

|                        |              |
|------------------------|--------------|
| 0333 195823 2016-01-01 | DUNVEGAN WWW |
| 0333 195824 2016-01-01 | DUNVEGAN XXX |
| 0333 195825 2016-01-01 | DUNVEGAN YYY |
| 0333 195826 2016-01-01 | DUNVEGAN ZZZ |
| 0333 195827 2016-01-01 | DUNVEGAN A2A |
| 0333 195828 2016-01-01 | DUNVEGAN B2B |
| 0333 195829 2016-01-01 | DUNVEGAN C2C |
| 0333 195830 2016-01-01 | DUNVEGAN D2D |
| 0333 195831 2016-01-01 | DUNVEGAN E2E |
| 0333 195832 2017-11-01 | DUNVEGAN F2F |
| 0333 195833 2016-05-01 | DUNVEGAN G2G |
| 0333 195834 2016-01-01 | DUNVEGAN H2H |
| 0333 195835 2016-02-01 | DUNVEGAN I2I |
| 0333 195836 2016-08-01 | DUNVEGAN J2J |

|                        |         |
|------------------------|---------|
| 0333 230001 2004-06-01 | PADDY A |
| 0333 230002 2010-04-01 | PADDY B |
| 0333 230003 2010-04-01 | PADDY C |
| 0333 230004 2007-05-01 | PADDY D |
| 0333 230005 2010-04-01 | PADDY E |
| 0333 230006 2007-12-01 | PADDY F |
| 0333 230007 2007-12-01 | PADDY G |
| 0333 230008 2010-04-01 | PADDY H |
| 0333 230009 2010-04-01 | PADDY I |
| 0333 230010 2010-10-01 | PADDY J |
| 0333 230011 2011-05-01 | PADDY K |
| 0333 230012 2013-04-01 | PADDY L |
| 0333 230013 2013-12-01 | PADDY M |

|                        |           |
|------------------------|-----------|
| 0333 232001 2011-07-01 | CADOTTE A |
| 0333 232002 2001-02-01 | CADOTTE B |
| 0333 232008 2010-04-01 | CADOTTE H |
| 0333 232010 2011-05-01 | CADOTTE J |
| 0333 232011 2010-04-01 | CADOTTE K |
| 0333 232012 2011-05-01 | CADOTTE L |
| 0333 232013 2010-04-01 | CADOTTE M |
| 0333 232018 2004-07-01 | CADOTTE R |
| 0333 232019 2009-10-01 | CADOTTE S |

**POOL DESIGNATION (cont'd)**

|                        |                |
|------------------------|----------------|
| 0333 232023 2001-02-01 | CADOTTE W      |
| 0333 232029 2011-07-01 | CADOTTE CC     |
| 0333 232030 2009-10-01 | CADOTTE DD     |
| 0333 232031 2010-02-01 | CADOTTE EE     |
| 0333 232032 2011-09-01 | CADOTTE FF     |
| 0333 232038 2011-05-01 | CADOTTE LL     |
| 0333 232044 2010-04-01 | CADOTTE RR     |
| 0333 232050 2008-11-01 | CADOTTE XX     |
| 0333 233201 2010-04-01 | CADOTTE AAA    |
| 0333 233203 2010-06-01 | CADOTTE CCC    |
| 0333 233205 2011-05-01 | CADOTTE EEE    |
| 0333 233206 2013-09-01 | CADOTTE FFF    |
| 0333 233207 2016-01-01 | CADOTTE GGG    |
| 0333 233208 2016-01-01 | CADOTTE HHH    |
|                        |                |
| 0333 264001 2001-03-01 | SPIRIT RIVER A |
| 0333 264002 2010-04-01 | SPIRIT RIVER B |
| 0333 264003 2010-04-01 | SPIRIT RIVER C |
| 0333 264004 2011-10-01 | SPIRIT RIVER D |
| 0333 264005 2016-01-01 | SPIRIT RIVER E |
| 0333 264006 2016-01-01 | SPIRIT RIVER F |
| 0333 264007 2016-01-01 | SPIRIT RIVER G |
| 0333 264008 2016-01-01 | SPIRIT RIVER H |
| 0333 264009 2016-01-01 | SPIRIT RIVER I |
| 0333 264010 2016-01-01 | SPIRIT RIVER J |
| 0333 264011 2016-01-01 | SPIRIT RIVER K |
| 0333 264012 2016-01-01 | SPIRIT RIVER L |
| 0333 264013 2016-01-01 | SPIRIT RIVER M |
| 0333 264014 2016-01-01 | SPIRIT RIVER N |
| 0333 264015 2016-01-01 | SPIRIT RIVER O |
| 0333 264016 2016-01-01 | SPIRIT RIVER P |
| 0333 264017 2016-01-01 | SPIRIT RIVER Q |
| 0333 264018 2016-01-01 | SPIRIT RIVER R |
| 0333 264019 2016-01-01 | SPIRIT RIVER S |
| 0333 264020 2016-01-01 | SPIRIT RIVER T |
| 0333 264021 2016-01-01 | SPIRIT RIVER U |
| 0333 264022 2016-01-01 | SPIRIT RIVER V |
| 0333 264023 2016-01-01 | SPIRIT RIVER W |

**POOL DESIGNATION (cont'd)**

|                        |                 |
|------------------------|-----------------|
| 0333 264024 2016-01-01 | SPIRIT RIVER X  |
| 0333 264025 2016-01-01 | SPIRIT RIVER Y  |
| 0333 264026 2016-01-01 | SPIRIT RIVER Z  |
| 0333 264027 2016-01-01 | SPIRIT RIVER AA |
| 0333 264028 2016-01-01 | SPIRIT RIVER BB |
| 0333 264029 2016-01-01 | SPIRIT RIVER CC |
| 0333 264030 2016-01-01 | SPIRIT RIVER DD |
| 0333 264031 2016-01-01 | SPIRIT RIVER EE |
| 0333 264032 2016-01-01 | SPIRIT RIVER FF |
|                        |                 |
| 0333 266001 2010-04-01 | NOTIKEWIN A     |
| 0333 266002 2010-04-01 | NOTIKEWIN B     |
| 0333 266003 2015-02-01 | NOTIKEWIN C     |
| 0333 266004 2008-11-01 | NOTIKEWIN D     |
| 0333 266005 2018-07-01 | NOTIKEWIN E     |
| 0333 266006 2010-04-01 | NOTIKEWIN F     |
| 0333 266007 2010-04-01 | NOTIKEWIN G     |
| 0333 266008 2011-07-01 | NOTIKEWIN H     |
| 0333 266009 2011-05-01 | NOTIKEWIN I     |
| 0333 266010 2011-09-01 | NOTIKEWIN J     |
| 0333 266012 2012-05-01 | NOTIKEWIN L     |
| 0333 266013 2012-05-01 | NOTIKEWIN M     |
| 0333 266014 2013-03-01 | NOTIKEWIN N     |
| 0333 266015 2018-08-01 | NOTIKEWIN O     |
|                        |                 |
| 0333 271501 2014-09-01 | FALHER A        |
| 0333 271502 2012-03-01 | FALHER B        |
| 0333 271504 2007-10-01 | FALHER D        |
| 0333 271505 2007-10-01 | FALHER E        |
| 0333 271506 2007-10-01 | FALHER F        |
| 0333 271507 2007-10-01 | FALHER G        |
| 0333 271508 2007-10-01 | FALHER H        |
| 0333 271509 2007-10-01 | FALHER I        |
| 0333 271510 2007-10-01 | FALHER J        |
| 0333 271511 2007-10-01 | FALHER K        |
| 0333 271513 2007-10-01 | FALHER M        |
| 0333 271514 2007-10-01 | FALHER N        |
| 0333 271515 2009-08-01 | FALHER O        |

**POOL DESIGNATION (cont'd)**

|                        |            |
|------------------------|------------|
| 0333 271516 2007-10-01 | FALHER P   |
| 0333 271518 2013-05-01 | FALHER R   |
| 0333 271525 2011-05-01 | FALHER Y   |
| 0333 271526 2008-11-01 | FALHER Z   |
| 0333 271527 2008-11-01 | FALHER AA  |
| 0333 271528 2008-11-01 | FALHER BB  |
| 0333 271529 2010-04-01 | FALHER CC  |
| 0333 271530 2009-03-01 | FALHER DD  |
| 0333 271534 2010-02-01 | FALHER HH  |
| 0333 271537 2010-04-01 | FALHER KK  |
| 0333 271539 2013-02-01 | FALHER MM  |
| 0333 271540 2013-04-01 | FALHER NN  |
| 0333 271541 2014-03-01 | FALHER OO  |
|                        |            |
| 0333 304001 2013-07-01 | BLUESKY A  |
| 0333 304002 2011-05-01 | BLUESKY B  |
| 0333 304004 2013-10-01 | BLUESKY D  |
| 0333 304005 2010-04-01 | BLUESKY E  |
| 0333 304009 2007-06-01 | BLUESKY I  |
| 0333 304010 2010-04-01 | BLUESKY J  |
| 0333 304011 2005-12-01 | BLUESKY K  |
| 0333 304013 2007-11-01 | BLUESKY M  |
| 0333 304015 2009-06-01 | BLUESKY O  |
| 0333 304016 2012-04-01 | BLUESKY P  |
| 0333 304018 2007-02-01 | BLUESKY R  |
| 0333 304020 2007-12-01 | BLUESKY T  |
| 0333 304021 2007-12-01 | BLUESKY U  |
| 0333 304026 2010-04-01 | BLUESKY Z  |
| 0333 304027 2010-04-01 | BLUESKY AA |
| 0333 304028 2010-04-01 | BLUESKY BB |
| 0333 304029 2012-04-01 | BLUESKY CC |
| 0333 304030 2013-07-01 | BLUESKY DD |
| 0333 304036 2010-04-01 | BLUESKY JJ |
| 0333 304038 2010-11-01 | BLUESKY LL |
| 0333 304040 2010-12-01 | BLUESKY NN |
| 0333 304041 2011-04-01 | BLUESKY OO |
| 0333 304042 2011-09-01 | BLUESKY PP |
| 0333 304043 2011-09-01 | BLUESKY QQ |



**POOL DESIGNATION (cont'd)**

|                        |                   |
|------------------------|-------------------|
| 0333 304044 2011-11-01 | BLUESKY RR        |
| 0333 304045 2013-12-01 | BLUESKY SS        |
| 0333 304046 2015-10-01 | BLUESKY TT        |
| 0333 304047 2016-01-01 | BLUESKY UU        |
| 0333 304048 2016-01-01 | BLUESKY VV        |
| 0333 304049 2016-01-01 | BLUESKY WW        |
| 0333 304050 2016-01-01 | BLUESKY XX        |
| 0333 304051 2016-01-01 | BLUESKY YY        |
| 0333 304052 2016-01-01 | BLUESKY ZZ        |
| 0333 304101 2016-01-01 | BLUESKY AAA       |
| 0333 304102 2016-01-01 | BLUESKY BBB       |
| 0333 304103 2016-01-01 | BLUESKY CCC       |
| 0333 304104 2016-01-01 | BLUESKY DDD       |
| 0333 304105 2016-01-01 | BLUESKY EEE       |
| 0333 304106 2016-01-01 | BLUESKY FFF       |
| 0333 304107 2016-01-01 | BLUESKY GGG       |
| 0333 304108 2017-09-01 | BLUESKY HHH       |
| 0333 304109 2016-01-01 | BLUESKY III       |
| 0333 304110 2016-01-01 | BLUESKY JJJ       |
| 0333 305001 2016-01-01 | BLUESKY-GETHING A |
| 0333 326001 2012-10-01 | GETHING A         |
| 0333 326002 2001-02-01 | GETHING B         |
| 0333 326007 2001-03-01 | GETHING G         |
| 0333 326008 2010-06-01 | GETHING H         |
| 0333 326010 2010-04-01 | GETHING J         |
| 0333 326011 2009-07-01 | GETHING K         |
| 0333 326013 2003-09-01 | GETHING M         |
| 0333 326014 2010-03-01 | GETHING N         |
| 0333 326015 2011-02-01 | GETHING O         |
| 0333 326017 2005-01-01 | GETHING Q         |
| 0333 326018 2011-04-01 | GETHING R         |
| 0333 326020 2010-04-01 | GETHING T         |
| 0333 326021 2010-05-01 | GETHING U         |
| 0333 326028 2012-07-01 | GETHING BB        |
| 0333 326030 2009-09-01 | GETHING DD        |
| 0333 326031 2010-04-01 | GETHING EE        |

**POOL DESIGNATION (cont'd)**

|                        |             |
|------------------------|-------------|
| 0333 326032 2010-09-01 | GETHING FF  |
| 0333 326033 2007-01-01 | GETHING GG  |
| 0333 326034 2007-03-01 | GETHING HH  |
| 0333 326039 2010-04-01 | GETHING MM  |
| 0333 326042 2010-05-01 | GETHING PP  |
| 0333 326044 2009-11-01 | GETHING RR  |
| 0333 326047 2008-11-01 | GETHING UU  |
| 0333 326049 2008-11-01 | GETHING WW  |
| 0333 326051 2008-11-01 | GETHING YY  |
| 0333 326605 2011-05-01 | GETHING EEE |
| 0333 326608 2011-03-01 | GETHING HHH |
| 0333 326610 2010-04-01 | GETHING JJJ |
| 0333 326611 2010-03-01 | GETHING KKK |
| 0333 326612 2010-10-01 | GETHING LLL |
| 0333 326613 2011-01-01 | GETHING MMM |
| 0333 326614 2010-10-01 | GETHING NNN |
| 0333 326615 2010-12-01 | GETHING OOO |
| 0333 326616 2010-10-01 | GETHING PPP |
| 0333 326617 2011-02-01 | GETHING QQQ |
| 0333 326618 2011-06-01 | GETHING RRR |
| 0333 326619 2011-11-01 | GETHING SSS |
| 0333 326620 2011-09-01 | GETHING TTT |
| 0333 326621 2011-09-01 | GETHING UUU |
| 0333 326622 2012-08-01 | GETHING VVV |
| 0333 326623 2013-07-01 | GETHING WWW |
| 0333 326624 2015-10-01 | GETHING XXX |
| 0333 326625 2016-01-01 | GETHING YYY |
| 0333 326626 2016-01-01 | GETHING ZZZ |
| 0333 326627 2016-01-01 | GETHING A2A |
| 0333 326628 2016-01-01 | GETHING B2B |
| 0333 326629 2016-01-01 | GETHING C2C |
| 0333 326630 2016-01-01 | GETHING D2D |
| 0333 326631 2016-01-01 | GETHING E2E |
| 0333 326632 2016-01-01 | GETHING F2F |
| 0333 326633 2016-01-01 | GETHING G2G |
| 0333 326634 2016-01-01 | GETHING H2H |
| 0333 326635 2016-01-01 | GETHING I2I |
| 0333 326636 2016-01-01 | GETHING J2J |

**POOL DESIGNATION (cont'd)**

|                        |               |
|------------------------|---------------|
| 0333 326637 2016-01-01 | GETHING K2K   |
| 0333 326638 2016-01-01 | GETHING L2L   |
| 0333 326639 2016-01-01 | GETHING M2M   |
| 0333 326640 2016-01-01 | GETHING N2N   |
| 0333 326641 2016-01-01 | GETHING O2O   |
| 0333 326642 2016-01-01 | GETHING P2P   |
| 0333 326643 2016-01-01 | GETHING Q2Q   |
| 0333 326644 2016-01-01 | GETHING R2R   |
| 0333 326645 2016-01-01 | GETHING S2S   |
| 0333 326646 2016-01-01 | GETHING T2T   |
|                        |               |
| 0333 348004 2010-04-01 | CADOMIN D     |
| 0333 348005 2009-09-01 | CADOMIN E     |
| 0333 348006 2002-01-01 | CADOMIN F     |
| 0333 348010 2006-04-01 | CADOMIN J     |
| 0333 348011 2006-04-01 | CADOMIN K     |
| 0333 348015 2008-11-01 | CADOMIN O     |
| 0333 348016 2009-08-01 | CADOMIN P     |
| 0333 348018 2011-03-01 | CADOMIN R     |
| 0333 348020 2016-01-01 | CADOMIN T     |
| 0333 348021 2016-01-01 | CADOMIN U     |
| 0333 348022 2016-01-01 | CADOMIN V     |
| 0333 348023 2016-01-01 | CADOMIN W     |
| 0333 348024 2016-01-01 | CADOMIN X     |
|                        |               |
| 0333 408001 2009-12-01 | NIKANASSIN A  |
| 0333 408006 2007-10-01 | NIKANASSIN F  |
| 0333 408008 2010-04-01 | NIKANASSIN H  |
| 0333 408009 2003-02-01 | NIKANASSIN I  |
| 0333 408010 2010-05-01 | NIKANASSIN J  |
| 0333 408011 2012-07-01 | NIKANASSIN K  |
| 0333 408012 2010-04-01 | NIKANASSIN L  |
| 0333 408015 2009-06-01 | NIKANASSIN O  |
| 0333 408016 2009-12-01 | NIKANASSIN P  |
| 0333 408023 2010-04-01 | NIKANASSIN W  |
| 0333 408025 2011-05-01 | NIKANASSIN Y  |
| 0333 408028 2007-12-01 | NIKANASSIN BB |
| 0333 408030 2010-04-01 | NIKANASSIN DD |

**POOL DESIGNATION (cont'd)**

|                        |                |
|------------------------|----------------|
| 0333 408031 2010-05-01 | NIKANASSIN EE  |
| 0333 408033 2011-05-01 | NIKANASSIN GG  |
| 0333 408040 2009-10-01 | NIKANASSIN NN  |
| 0333 408042 2008-02-01 | NIKANASSIN PP  |
| 0333 408051 2008-11-01 | NIKANASSIN YY  |
| 0333 408603 2010-05-01 | NIKANASSIN CCC |
| 0333 408610 2008-11-01 | NIKANASSIN JJJ |
| 0333 408615 2010-04-01 | NIKANASSIN OOO |
| 0333 408629 2009-08-01 | NIKANASSIN C2C |
| 0333 408631 2011-05-01 | NIKANASSIN E2E |
| 0333 408632 2010-05-01 | NIKANASSIN F2F |
| 0333 408635 2010-08-01 | NIKANASSIN I2I |
| 0333 408638 2010-10-01 | NIKANASSIN L2L |
| 0333 408639 2010-10-01 | NIKANASSIN M2M |
| 0333 408640 2010-12-01 | NIKANASSIN N2N |
| 0333 408641 2011-02-01 | NIKANASSIN O2O |
| 0333 408642 2012-05-01 | NIKANASSIN P2P |
| 0333 408643 2011-04-01 | NIKANASSIN Q2Q |
| 0333 408644 2011-05-01 | NIKANASSIN R2R |
| 0333 408645 2011-05-01 | NIKANASSIN S2S |
| 0333 408646 2011-12-01 | NIKANASSIN T2T |
| 0333 408647 2011-06-01 | NIKANASSIN U2U |
| 0333 408649 2012-11-01 | NIKANASSIN W2W |
| 0333 408650 2013-10-01 | NIKANASSIN X2X |
| 0333 408651 2016-01-01 | NIKANASSIN Y2Y |
| 0333 408652 2016-01-01 | NIKANASSIN Z2Z |
| 0333 408701 2016-01-01 | NIKANASSIN A3A |
| 0333 408702 2016-01-01 | NIKANASSIN B3B |
| 0333 408703 2016-01-01 | NIKANASSIN C3C |
| 0333 408704 2016-01-01 | NIKANASSIN D3D |
| 0333 444001 2016-01-01 | NORDEGG A      |
| 0333 508001 2012-10-01 | CHARLIE LAKE A |
| 0333 508002 2001-02-01 | CHARLIE LAKE B |
| 0333 508004 2001-02-01 | CHARLIE LAKE D |
| 0333 508005 2013-07-01 | CHARLIE LAKE E |
| 0333 508006 2001-02-01 | CHARLIE LAKE F |

**POOL DESIGNATION (cont'd)**

|                        |                 |
|------------------------|-----------------|
| 0333 508008 2001-02-01 | CHARLIE LAKE H  |
| 0333 508009 2001-02-01 | CHARLIE LAKE I  |
| 0333 508010 2002-12-01 | CHARLIE LAKE J  |
| 0333 508011 2003-03-01 | CHARLIE LAKE K  |
| 0333 508014 2007-06-01 | CHARLIE LAKE N  |
| 0333 508015 2004-09-01 | CHARLIE LAKE O  |
| 0333 508016 2005-02-01 | CHARLIE LAKE P  |
| 0333 508017 2006-03-01 | CHARLIE LAKE Q  |
| 0333 508019 2010-11-01 | CHARLIE LAKE S  |
| 0333 508022 2010-06-01 | CHARLIE LAKE V  |
| 0333 508023 2011-03-01 | CHARLIE LAKE W  |
| 0333 508024 2011-10-01 | CHARLIE LAKE X  |
| 0333 508025 2012-11-01 | CHARLIE LAKE Y  |
| 0333 508026 2012-12-01 | CHARLIE LAKE Z  |
| 0333 508027 2013-01-01 | CHARLIE LAKE AA |
| 0333 508028 2015-06-01 | CHARLIE LAKE BB |
| 0333 508029 2016-01-01 | CHARLIE LAKE CC |
| 0333 508030 2016-01-01 | CHARLIE LAKE DD |
| 0333 508031 2016-01-01 | CHARLIE LAKE EE |
| 0333 508032 2016-01-01 | CHARLIE LAKE FF |
| 0333 508033 2016-01-01 | CHARLIE LAKE GG |
| 0333 508034 2016-01-01 | CHARLIE LAKE HH |
| 0333 508035 2016-01-01 | CHARLIE LAKE II |
| 0333 508036 2016-01-01 | CHARLIE LAKE JJ |
| 0333 508037 2016-01-01 | CHARLIE LAKE KK |
| 0333 508038 2016-01-01 | CHARLIE LAKE LL |
| 0333 508039 2016-01-01 | CHARLIE LAKE MM |
| 0333 508040 2016-01-01 | CHARLIE LAKE NN |
| 0333 508041 2016-01-01 | CHARLIE LAKE OO |
| 0333 508042 2016-01-01 | CHARLIE LAKE PP |
| 0333 508043 2016-01-01 | CHARLIE LAKE QQ |
| 0333 508044 2016-01-01 | CHARLIE LAKE RR |
| 0333 508045 2016-01-01 | CHARLIE LAKE SS |
| 0333 508046 2016-01-01 | CHARLIE LAKE TT |
| 0333 508047 2016-01-01 | CHARLIE LAKE UU |
| 0333 508048 2016-01-01 | CHARLIE LAKE VV |
| 0333 508049 2016-01-01 | CHARLIE LAKE WW |
| 0333 508050 2016-01-01 | CHARLIE LAKE XX |

**POOL DESIGNATION (cont'd)**

|                        |                  |
|------------------------|------------------|
| 0333 508051 2016-01-01 | CHARLIE LAKE YY  |
| 0333 508052 2016-01-01 | CHARLIE LAKE ZZ  |
| 0333 508701 2016-01-01 | CHARLIE LAKE AAA |
| 0333 508702 2016-01-01 | CHARLIE LAKE BBB |
| 0333 508703 2016-01-01 | CHARLIE LAKE CCC |
| 0333 508704 2016-01-01 | CHARLIE LAKE DDD |
| 0333 508705 2016-01-01 | CHARLIE LAKE EEE |
| 0333 508706 2016-01-01 | CHARLIE LAKE FFF |
| 0333 508707 2016-01-01 | CHARLIE LAKE GGG |
| 0333 508708 2016-01-01 | CHARLIE LAKE HHH |
| 0333 508709 2016-01-01 | CHARLIE LAKE III |
| 0333 508710 2016-01-01 | CHARLIE LAKE JJJ |
| 0333 508711 2016-01-01 | CHARLIE LAKE KKK |
| 0333 508712 2016-01-01 | CHARLIE LAKE LLL |
| 0333 508713 2016-01-01 | CHARLIE LAKE MMM |
| 0333 508714 2016-01-01 | CHARLIE LAKE NNN |
| 0333 508715 2016-01-01 | CHARLIE LAKE OOO |
| 0333 508716 2016-01-01 | CHARLIE LAKE PPP |
| 0333 508717 2016-01-01 | CHARLIE LAKE QQQ |
| 0333 508718 2016-01-01 | CHARLIE LAKE RRR |
| 0333 508719 2016-01-01 | CHARLIE LAKE SSS |
| 0333 508720 2016-01-01 | CHARLIE LAKE TTT |
| 0333 508721 2016-01-01 | CHARLIE LAKE UUU |
|                        |                  |
| 0333 516001 2010-04-01 | HALFWAY A        |
| 0333 516002 2010-04-01 | HALFWAY B        |
| 0333 516003 2001-02-01 | HALFWAY C        |
| 0333 516004 2007-02-01 | HALFWAY D        |
| 0333 516005 2003-02-01 | HALFWAY E        |
| 0333 516006 2003-12-01 | HALFWAY F        |
| 0333 516007 2003-02-01 | HALFWAY G        |
| 0333 516009 2003-03-01 | HALFWAY I        |
| 0333 516010 2003-08-01 | HALFWAY J        |
| 0333 516011 2003-11-01 | HALFWAY K        |
| 0333 516014 2010-04-01 | HALFWAY N        |
| 0333 516015 2010-04-01 | HALFWAY O        |
| 0333 516016 2008-02-01 | HALFWAY P        |
| 0333 516017 2007-03-01 | HALFWAY Q        |

**POOL DESIGNATION (cont'd)**

|                        |             |
|------------------------|-------------|
| 0333 516018 2005-02-01 | HALFWAY R   |
| 0333 516019 2005-08-01 | HALFWAY S   |
| 0333 516020 2007-12-01 | HALFWAY T   |
| 0333 516021 2005-12-01 | HALFWAY U   |
| 0333 516022 2005-12-01 | HALFWAY V   |
| 0333 516023 2007-09-01 | HALFWAY W   |
| 0333 516024 2006-06-01 | HALFWAY X   |
| 0333 516027 2006-08-01 | HALFWAY AA  |
| 0333 516028 2013-07-01 | HALFWAY BB  |
| 0333 516029 2006-12-01 | HALFWAY CC  |
| 0333 516030 2007-04-01 | HALFWAY DD  |
| 0333 516031 2007-07-01 | HALFWAY EE  |
| 0333 516032 2007-07-01 | HALFWAY FF  |
| 0333 516033 2007-07-01 | HALFWAY GG  |
| 0333 516034 2011-10-01 | HALFWAY HH  |
| 0333 516035 2007-07-01 | HALFWAY II  |
| 0333 516036 2007-07-01 | HALFWAY JJ  |
| 0333 516037 2007-07-01 | HALFWAY KK  |
| 0333 516038 2007-12-01 | HALFWAY LL  |
| 0333 516039 2008-05-01 | HALFWAY MM  |
| 0333 516040 2008-05-01 | HALFWAY NN  |
| 0333 516041 2008-10-01 | HALFWAY OO  |
| 0333 516042 2008-10-01 | HALFWAY PP  |
| 0333 516043 2008-09-01 | HALFWAY QQ  |
| 0333 516044 2009-04-01 | HALFWAY RR  |
| 0333 516045 2009-06-01 | HALFWAY SS  |
| 0333 516046 2009-06-01 | HALFWAY TT  |
| 0333 516047 2009-12-01 | HALFWAY UU  |
| 0333 516048 2009-12-01 | HALFWAY VV  |
| 0333 516049 2010-03-01 | HALFWAY WW  |
| 0333 516050 2010-03-01 | HALFWAY XX  |
| 0333 516051 2011-03-01 | HALFWAY YY  |
| 0333 516052 2012-08-01 | HALFWAY ZZ  |
| 0333 516201 2013-01-01 | HALFWAY AAA |
| 0333 516202 2014-09-01 | HALFWAY BBB |
| 0333 516203 2016-01-01 | HALFWAY CCC |
| 0333 516204 2016-01-01 | HALFWAY DDD |
| 0333 516205 2016-01-01 | HALFWAY EEE |

**POOL DESIGNATION (cont'd)**

|                        |             |
|------------------------|-------------|
| 0333 516206 2016-01-01 | HALFWAY FFF |
| 0333 516207 2016-01-01 | HALFWAY GGG |
| 0333 516208 2016-01-01 | HALFWAY HHH |
| 0333 516209 2016-01-01 | HALFWAY III |
| 0333 516210 2016-01-01 | HALFWAY JJJ |
| 0333 516211 2016-01-01 | HALFWAY KKK |
| 0333 516212 2016-01-01 | HALFWAY LLL |
| 0333 516213 2016-01-01 | HALFWAY MMM |
| 0333 516214 2016-01-01 | HALFWAY NNN |
| 0333 516215 2016-01-01 | HALFWAY OOO |
| 0333 516216 2016-01-01 | HALFWAY PPP |
| 0333 516217 2016-01-01 | HALFWAY QQQ |
| 0333 516218 2016-01-01 | HALFWAY RRR |

|                        |        |
|------------------------|--------|
| 0333 520001 2006-07-01 | DOIG A |
| 0333 520002 2008-03-01 | DOIG B |
| 0333 520003 2011-12-01 | DOIG C |
| 0333 520004 2010-04-01 | DOIG D |
| 0333 520005 2016-01-01 | DOIG E |
| 0333 520006 2016-01-01 | DOIG F |
| 0333 520007 2016-01-01 | DOIG G |
| 0333 520008 2016-01-01 | DOIG H |
| 0333 520009 2016-01-01 | DOIG I |
| 0333 520010 2016-01-01 | DOIG J |
| 0333 520011 2016-01-01 | DOIG K |

|                        |           |
|------------------------|-----------|
| 0333 524001 2008-05-01 | MONTNEY A |
| 0333 524002 2007-07-01 | MONTNEY B |
| 0333 524003 2007-09-01 | MONTNEY C |
| 0333 524004 2010-04-01 | MONTNEY D |
| 0333 524005 2010-04-01 | MONTNEY E |
| 0333 524006 2017-12-01 | MONTNEY F |
| 0333 524007 2008-09-01 | MONTNEY G |
| 0333 524008 2010-01-01 | MONTNEY H |
| 0333 524009 2013-05-01 | MONTNEY I |
| 0333 524010 2017-12-01 | MONTNEY J |
| 0333 524011 2010-12-01 | MONTNEY K |
| 0333 524012 2011-02-01 | MONTNEY L |



**POOL DESIGNATION (cont'd)**

|                        |            |
|------------------------|------------|
| 0333 524013 2017-12-01 | MONTNEY M  |
| 0333 524014 2011-08-01 | MONTNEY N  |
| 0333 524015 2011-12-01 | MONTNEY O  |
| 0333 524016 2012-03-01 | MONTNEY P  |
| 0333 524017 2012-01-01 | MONTNEY Q  |
| 0333 524018 2012-03-01 | MONTNEY R  |
| 0333 524019 2012-05-01 | MONTNEY S  |
| 0333 524020 2012-10-01 | MONTNEY T  |
| 0333 524021 2017-11-01 | MONTNEY U  |
| 0333 524022 2013-07-01 | MONTNEY V  |
| 0333 524023 2013-07-01 | MONTNEY W  |
| 0333 524024 2013-09-01 | MONTNEY X  |
| 0333 524025 2014-01-01 | MONTNEY Y  |
| 0333 524026 2015-06-01 | MONTNEY Z  |
| 0333 524027 2015-02-01 | MONTNEY AA |
| 0333 524028 2015-02-01 | MONTNEY BB |
| 0333 524029 2015-02-01 | MONTNEY CC |
| 0333 524030 2015-02-01 | MONTNEY DD |
| 0333 524031 2015-02-01 | MONTNEY EE |
| 0333 524032 2015-02-01 | MONTNEY FF |
| 0333 524033 2015-02-01 | MONTNEY GG |
| 0333 524034 2017-12-01 | MONTNEY HH |
| 0333 524035 2015-02-01 | MONTNEY II |
| 0333 524036 2015-02-01 | MONTNEY JJ |
| 0333 524037 2015-02-01 | MONTNEY KK |
| 0333 524038 2015-02-01 | MONTNEY LL |
| 0333 524039 2015-02-01 | MONTNEY MM |
| 0333 524040 2015-02-01 | MONTNEY NN |
| 0333 524041 2015-02-01 | MONTNEY OO |
| 0333 524042 2015-02-01 | MONTNEY PP |
| 0333 524043 2015-02-01 | MONTNEY QQ |
| 0333 524044 2015-02-01 | MONTNEY RR |
| 0333 524045 2015-02-01 | MONTNEY SS |
| 0333 524046 2015-02-01 | MONTNEY TT |
| 0333 524047 2015-02-01 | MONTNEY UU |
| 0333 524048 2015-02-01 | MONTNEY VV |
| 0333 524049 2015-02-01 | MONTNEY WW |
| 0333 524050 2015-06-01 | MONTNEY XX |

**POOL DESIGNATION (cont'd)**

|                        |             |
|------------------------|-------------|
| 0333 524051 2015-05-01 | MONTNEY YY  |
| 0333 524052 2015-02-01 | MONTNEY ZZ  |
| 0333 524301 2015-02-01 | MONTNEY AAA |
| 0333 524302 2015-08-01 | MONTNEY BBB |
| 0333 524303 2015-02-01 | MONTNEY CCC |
| 0333 524304 2015-08-01 | MONTNEY DDD |
| 0333 524305 2015-02-01 | MONTNEY EEE |
| 0333 524306 2015-02-01 | MONTNEY FFF |
| 0333 524307 2015-02-01 | MONTNEY GGG |
| 0333 524308 2015-02-01 | MONTNEY HHH |
| 0333 524309 2015-10-01 | MONTNEY III |
| 0333 524310 2018-08-01 | MONTNEY JJJ |
| 0333 524311 2018-02-01 | MONTNEY KKK |
| 0333 524312 2016-01-01 | MONTNEY LLL |
| 0333 524313 2016-01-01 | MONTNEY MMM |
| 0333 524314 2016-01-01 | MONTNEY NNN |
| 0333 524315 2016-01-01 | MONTNEY OOO |
| 0333 524316 2017-11-01 | MONTNEY PPP |
| 0333 524317 2018-02-01 | MONTNEY QQQ |
| 0333 524318 2016-01-01 | MONTNEY RRR |
| 0333 524319 2016-01-01 | MONTNEY SSS |
| 0333 524320 2016-01-01 | MONTNEY TTT |
| 0333 524321 2016-01-01 | MONTNEY UUU |
| 0333 524322 2016-01-01 | MONTNEY VVV |
| 0333 524323 2016-01-01 | MONTNEY WWW |
| 0333 524324 2016-01-01 | MONTNEY XXX |
| 0333 524325 2017-12-01 | MONTNEY YYY |
| 0333 524326 2016-10-01 | MONTNEY ZZZ |
| 0333 524327 2018-07-01 | MONTNEY A2A |
| 0333 524328 2017-05-01 | MONTNEY B2B |
| 0333 524329 2017-07-01 | MONTNEY C2C |
| 0333 524330 2017-07-01 | MONTNEY D2D |
| 0333 524331 2018-07-01 | MONTNEY E2E |
| 0333 524332 2018-05-01 | MONTNEY F2F |
| 0333 524333 2018-01-01 | MONTNEY G2G |
| 0333 524334 2017-12-01 | MONTNEY H2H |
| 0333 524335 2017-12-01 | MONTNEY I2I |
| 0333 524336 2017-12-01 | MONTNEY J2J |

**POOL DESIGNATION (cont'd)**

|                        |             |
|------------------------|-------------|
| 0333 524337 2017-12-01 | MONTNEY K2K |
| 0333 524338 2017-12-01 | MONTNEY L2L |
| 0333 524339 2017-12-01 | MONTNEY M2M |
| 0333 524340 2017-12-01 | MONTNEY N2N |
| 0333 524341 2017-12-01 | MONTNEY O2O |
| 0333 524342 2017-12-01 | MONTNEY P2P |
| 0333 524343 2017-12-01 | MONTNEY Q2Q |
| 0333 524344 2017-12-01 | MONTNEY R2R |
| 0333 524345 2017-12-01 | MONTNEY S2S |
| 0333 524346 2017-12-01 | MONTNEY T2T |
| 0333 524347 2017-12-01 | MONTNEY U2U |
| 0333 524348 2017-12-01 | MONTNEY V2V |
| 0333 524349 2017-12-01 | MONTNEY W2W |
| 0333 524350 2017-12-01 | MONTNEY X2X |
| 0333 524351 2017-12-01 | MONTNEY Y2Y |
| 0333 524352 2017-12-01 | MONTNEY Z2Z |
| 0333 524401 2017-12-01 | MONTNEY A3A |
| 0333 524402 2017-12-01 | MONTNEY B3B |
| 0333 524403 2017-12-01 | MONTNEY C3C |
| 0333 524404 2017-12-01 | MONTNEY D3D |
| 0333 524405 2017-12-01 | MONTNEY E3E |
| 0333 524406 2018-02-01 | MONTNEY F3F |
| 0333 524407 2018-02-01 | MONTNEY G3G |
| 0333 524408 2018-02-01 | MONTNEY H3H |
| 0333 524409 2018-02-01 | MONTNEY I3I |
| 0333 524429 2018-03-01 | MONTNEY C4C |
| 0333 524430 2018-02-01 | MONTNEY D4D |
| 0333 524431 2018-02-01 | MONTNEY E4E |
| 0333 524432 2018-02-01 | MONTNEY F4F |
| 0333 524433 2018-05-01 | MONTNEY G4G |
| 0333 524434 2018-05-01 | MONTNEY H4H |
| 0333 524435 2018-05-01 | MONTNEY I4I |
| 0333 524436 2018-09-01 | MONTNEY J4J |
| 0333 524437 2018-10-01 | MONTNEY K4K |
| 0333 524438 2018-11-01 | MONTNEY L4L |
| 0333 524439 2018-09-01 | MONTNEY M4M |
| 0333 524440 2018-09-01 | MONTNEY N4N |
| 0333 524441 2018-09-01 | MONTNEY O4O |

**POOL DESIGNATION (cont'd)**

|                        |             |
|------------------------|-------------|
| 0333 524442 2018-12-01 | MONTNEY P4P |
| 0333 524443 2018-12-01 | MONTNEY Q4Q |
| 0333 524444 2018-12-01 | MONTNEY R4R |
| 0333 524445 2018-12-01 | MONTNEY S4S |
| 0333 524446 2018-12-01 | MONTNEY T4T |
| 0333 524447 2018-12-01 | MONTNEY U4U |
| 0333 524448 2018-12-01 | MONTNEY V4V |
| 0333 524449 2018-12-01 | MONTNEY W4W |
| 0333 524450 2018-12-01 | MONTNEY X4X |
| 0333 524451 2018-12-01 | MONTNEY Y4Y |
| 0333 524452 2018-12-01 | MONTNEY Z4Z |
| 0333 524501 2018-12-01 | MONTNEY A5A |
| 0333 524502 2018-12-01 | MONTNEY B5B |
| 0333 524503 2018-12-01 | MONTNEY C5C |
| 0333 524504 2018-12-01 | MONTNEY D5D |
| 0333 524505 2018-12-01 | MONTNEY E5E |
| 0333 524506 2018-12-01 | MONTNEY F5F |
| 0333 524507 2018-12-01 | MONTNEY G5G |
| 0333 524508 2018-12-01 | MONTNEY H5H |
| 0333 524509 2018-12-01 | MONTNEY I5I |
| 0333 524510 2018-12-01 | MONTNEY J5J |
| 0333 524511 2018-12-01 | MONTNEY K5K |
| 0333 524512 2018-12-01 | MONTNEY L5L |
| 0333 524513 2018-12-01 | MONTNEY M5M |
| 0333 524514 2018-12-01 | MONTNEY N5N |
| 0333 524515 2018-12-01 | MONTNEY O5O |
| 0333 524516 2018-12-01 | MONTNEY P5P |
| 0333 524517 2018-12-01 | MONTNEY Q5Q |
| 0333 524518 2018-12-01 | MONTNEY R5R |
| 0333 524519 2018-12-01 | MONTNEY S5S |
| 0333 524520 2018-12-01 | MONTNEY T5T |
| 0333 524521 2018-12-01 | MONTNEY U5U |
| 0333 524522 2018-12-01 | MONTNEY V5V |
| 0333 524523 2018-12-01 | MONTNEY W5W |
| 0333 524524 2018-12-01 | MONTNEY X5X |
| 0333 524525 2018-12-01 | MONTNEY Y5Y |
| 0333 524526 2018-12-01 | MONTNEY Z5Z |
| 0333 524527 2018-12-01 | MONTNEY A6A |

**POOL DESIGNATION (cont'd)**

|                        |             |
|------------------------|-------------|
| 0333 524528 2018-12-01 | MONTNEY B6B |
| 0333 524529 2018-12-01 | MONTNEY C6C |
| 0333 524530 2018-12-01 | MONTNEY D6D |
| 0333 524531 2018-12-01 | MONTNEY E6E |
| 0333 524532 2018-12-01 | MONTNEY F6F |
| 0333 524533 2018-12-01 | MONTNEY G6G |
| 0333 524534 2018-12-01 | MONTNEY H6H |
| 0333 524535 2018-12-01 | MONTNEY I6I |
| 0333 524536 2018-12-01 | MONTNEY J6J |
| 0333 524537 2018-12-01 | MONTNEY K6K |
| 0333 524538 2018-12-01 | MONTNEY L6L |
| 0333 524539 2018-12-01 | MONTNEY M6M |
| 0333 524540 2018-12-01 | MONTNEY N6N |
| 0333 524541 2018-12-01 | MONTNEY O6O |
| 0333 524542 2018-12-01 | MONTNEY P6P |
| 0333 524543 2018-12-01 | MONTNEY Q6Q |
| 0333 524544 2018-12-01 | MONTNEY R6R |
| 0333 524545 2018-12-01 | MONTNEY S6S |
| 0333 524546 2018-12-01 | MONTNEY T6T |
| 0333 524547 2018-12-01 | MONTNEY U6U |
| 0333 524548 2018-12-01 | MONTNEY V6V |
| 0333 524549 2018-12-01 | MONTNEY W6W |
| 0333 524550 2018-12-01 | MONTNEY X6X |
| 0333 524551 2018-12-01 | MONTNEY Y6Y |
| 0333 524552 2018-12-01 | MONTNEY Z6Z |
| 0333 524601 2018-12-01 | MONTNEY A7A |
| 0333 524602 2018-12-01 | MONTNEY B7B |
| 0333 524603 2018-12-01 | MONTNEY C7C |
| 0333 524604 2018-12-01 | MONTNEY D7D |
| 0333 524605 2018-12-01 | MONTNEY E7E |
| 0333 524606 2018-12-01 | MONTNEY F7F |
| 0333 524607 2018-12-01 | MONTNEY G7G |
| 0333 524608 2018-12-01 | MONTNEY H7H |
| 0333 524609 2018-12-01 | MONTNEY I7I |
| 0333 524610 2018-12-01 | MONTNEY J7J |
| 0333 524611 2018-12-01 | MONTNEY K7K |
| 0333 556001 2016-01-01 | BELLOY A    |

**POOL DESIGNATION (cont'd)**

|                        |                    |
|------------------------|--------------------|
| 0333 605001 2010-12-01 | TAYLOR FLAT A      |
| 0333 605002 2016-01-01 | TAYLOR FLAT B      |
| 0333 606001 2016-01-01 | KISKATINAW A       |
| 0333 644001 2016-01-01 | BANFF A            |
| 0333 658001 2016-01-01 | WABAMUN A          |
| 0333 658002 2016-01-01 | WABAMUN B          |
| 0333 658003 2016-01-01 | WABAMUN C          |
| 0333 658004 2016-01-01 | WABAMUN D          |
| 0333 658005 2016-01-01 | WABAMUN E          |
| 0333 658006 2016-01-01 | WABAMUN F          |
| 0333 658007 2016-01-01 | WABAMUN G          |
| 0333 658008 2016-01-01 | WABAMUN H          |
| 0333 658009 2016-01-01 | WABAMUN I          |
| 0333 658010 2016-01-01 | WABAMUN J          |
| 0333 658011 2016-01-01 | WABAMUN K          |
| 0333 658012 2016-01-01 | WABAMUN L          |
| 0333 696001 2009-10-01 | NISKU A            |
| 0333 852200 2012-12-01 | MFP8522 CADOMIN    |
| 0333 857600 2014-01-01 | MFP8576 GETHING    |
| 0333 857800 2014-01-01 | MFP8578 NIKANASSIN |

**SPACING PATTERN**

SU 4248 13 Dec 2004  
 SU 4248A 27 Jan 2005  
 SU 4248B 4 Feb 2005  
 SU 4248C 16 Apr 2005  
 SU 4248D 30 Jun 2005  
 SU 4248E 19 Aug 2005  
 SU 4248F 14 Oct 2005  
 SU 4248G 17 Jan 2006  
 SU 4248H 17 Apr 2006  
 SU 4248I 23 Mar 2007  
 SU 4248J 17 Apr 2007  
 SU 4248K 14 Sep 2007  
 SU 4248L 4 Oct 2007  
 SU 4248M 18 Oct 2007

**COMMINGLED PRODUCTION**

MU 8778 27 Jan 2016

**ENHANCED RECOVERY SCHEMES**

App 8242D 22 Jun 2015  
 Waterflood  
 Charlie Lake A  
 Whitecap Resources Inc.

App 10002E 15 Sep 2016  
 Waterflood  
 Doe Creek B  
 Chinook Energy Inc.

App 10422C 6 Jan 2016  
 Waterflood  
 Halfway EEE  
 Canadian Natural Resources Limited

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

App 12713A 29 Oct 2018  
 Waterflood  
 Montney JJJ  
 Hammerhead Resources Inc.

**SUBSURFACE DISPOSAL SCHEMES**

App 3286H 8 Jan 2016  
 Class II  
 Canadian Natural Resources Limited  
 App 9808 20 Apr 2004

App 9808B 28 Sep 2018  
 Class Ib  
 Tervita Corporation

App 10555F 28 Sep 2018  
 Class Ib  
 Tervita Corporation

App 11516F 17 Oct 2017  
 Class II  
 Cenovus Energy Inc.

App 11717A 3 Jul 2015  
 Class Ib  
 Secure Energy Services Inc.

App 12470G 13 Nov 2018  
 Class II & Ib  
 Secure Energy Services Inc.

App 12449C 17 May 2016  
 Class II & Ib  
 NuVista Energy Ltd.

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

App 12364C 20 Nov 2017  
Class II  
Canadian International Oil Operating Corp.

App 12365D 8 Jun 2018  
Class II  
Inception Exploration Ltd.

App 12476F 6 Nov 2018  
Class II  
Involve Energy Services Corp

App 12381D 31 Oct 2017  
Class II  
Aqua Terra Water Management Inc.

App 12536B 17 Apr 2018  
Class II  
Iron Bridge Resources Inc.

App 12549A 10 Oct 2018  
Acid gas  
Birchcliff Energy Ltd.

App 12557 30 Sep 2016  
Class II  
Blackbird Energy Inc.

App 12566 2 Nov 2016  
Class II & Ib  
Canadian Natural Resources Limited

App 12628G 3 Dec 2018  
Class II  
Velvet Energy Ltd.

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

App 12754 4 Jul 2018  
Acid Gas  
Canadian Natural Resources Limited

12774 10 Aug 2018  
Class II  
NuVista Energy Ltd.

App 12804 11 Oct 2018  
Class II & Ib  
Tervita Corporation

App 12758 22 Nov 2018  
Class II  
Tidewater Midstream and Infrastructure Ltd.



**FIELD DESIGNATION**

0334 2014-05-01 ELNORA FIELD

**POOL DESIGNATION**

0334 118801 2013-04-01 LOWER EDMONTON A  
0334 118802 2013-04-01 LOWER EDMONTON B  
0334 118803 2013-04-01 LOWER EDMONTON C  
0334 118804 2013-04-01 LOWER EDMONTON D  
0334 118805 2013-04-01 LOWER EDMONTON E  
0334 118806 2013-04-01 LOWER EDMONTON F  
0334 118807 2013-04-01 LOWER EDMONTON G

0334 134001 2005-06-01 BASAL BELLY RIVER A  
0334 134002 2005-06-01 BASAL BELLY RIVER B  
0334 134003 2005-06-01 BASAL BELLY RIVER C  
0334 134004 2005-06-01 BASAL BELLY RIVER D  
0334 134006 2010-04-01 BASAL BELLY RIVER F  
0334 134007 2011-10-01 BASAL BELLY RIVER G  
0334 134008 2011-10-01 BASAL BELLY RIVER H  
0334 134009 2014-05-01 BASAL BELLY RIVER I

0334 218001 2001-02-01 VIKING A  
0334 218002 2013-04-01 VIKING B  
0334 218003 2018-04-01 VIKING C

0334 250001 2010-04-01 UPPER MANNVILLE A  
0334 250002 2014-01-01 UPPER MANNVILLE B  
0334 250003 2001-02-01 UPPER MANNVILLE C  
0334 250004 2001-02-01 UPPER MANNVILLE D  
0334 250005 2001-02-01 UPPER MANNVILLE E  
0334 250006 2001-02-01 UPPER MANNVILLE F  
0334 250007 2001-02-01 UPPER MANNVILLE G  
0334 250008 2001-02-01 UPPER MANNVILLE H  
0334 250009 2001-02-01 UPPER MANNVILLE I  
0334 250010 2001-02-01 UPPER MANNVILLE J  
0334 250011 2001-02-01 UPPER MANNVILLE K

**POOL DESIGNATION (cont'd)**

|             |            |                    |
|-------------|------------|--------------------|
| 0334 250012 | 2001-02-01 | UPPER MANNVILLE L  |
| 0334 250013 | 2001-02-01 | UPPER MANNVILLE M  |
| 0334 250014 | 2001-02-01 | UPPER MANNVILLE N  |
| 0334 250015 | 2001-12-01 | UPPER MANNVILLE O  |
| 0334 250016 | 2001-02-01 | UPPER MANNVILLE P  |
| 0334 250017 | 2003-08-01 | UPPER MANNVILLE Q  |
| 0334 250018 | 2001-02-01 | UPPER MANNVILLE R  |
| 0334 250019 | 2005-02-01 | UPPER MANNVILLE S  |
| 0334 250020 | 2006-09-01 | UPPER MANNVILLE T  |
| 0334 250022 | 2001-12-01 | UPPER MANNVILLE V  |
| 0334 250023 | 2010-04-01 | UPPER MANNVILLE W  |
| 0334 250024 | 2002-12-01 | UPPER MANNVILLE X  |
| 0334 250025 | 2014-01-01 | UPPER MANNVILLE Y  |
| 0334 250026 | 2004-09-01 | UPPER MANNVILLE Z  |
| 0334 250027 | 2004-10-01 | UPPER MANNVILLE AA |
| 0334 250028 | 2008-02-01 | UPPER MANNVILLE BB |
| 0334 250029 | 2005-08-01 | UPPER MANNVILLE CC |
| 0334 250030 | 2006-12-01 | UPPER MANNVILLE DD |
| 0334 250031 | 2007-07-01 | UPPER MANNVILLE EE |
| 0334 250032 | 2007-09-01 | UPPER MANNVILLE FF |
| 0334 250033 | 2009-08-01 | UPPER MANNVILLE GG |
| 0334 250034 | 2010-07-01 | UPPER MANNVILLE HH |
| 0334 250035 | 2011-06-01 | UPPER MANNVILLE II |
| 0334 250036 | 2014-05-01 | UPPER MANNVILLE JJ |
|             |            |                    |
| 0334 310001 | 2010-04-01 | LOWER MANNVILLE A  |
| 0334 310002 | 2001-02-01 | LOWER MANNVILLE B  |
| 0334 310004 | 2001-02-01 | LOWER MANNVILLE D  |
| 0334 310006 | 2010-04-01 | LOWER MANNVILLE F  |
| 0334 310007 | 2001-02-01 | LOWER MANNVILLE G  |
| 0334 310008 | 2001-02-01 | LOWER MANNVILLE H  |
| 0334 310009 | 2001-02-01 | LOWER MANNVILLE I  |
| 0334 310010 | 2013-01-01 | LOWER MANNVILLE J  |
| 0334 310011 | 2001-02-01 | LOWER MANNVILLE K  |
| 0334 310012 | 2001-02-01 | LOWER MANNVILLE L  |
| 0334 310013 | 2001-02-01 | LOWER MANNVILLE M  |
| 0334 310014 | 2001-02-01 | LOWER MANNVILLE N  |
| 0334 310015 | 2007-06-01 | LOWER MANNVILLE O  |

**POOL DESIGNATION (cont'd)**

|                        |                     |
|------------------------|---------------------|
| 0334 310016 2001-02-01 | LOWER MANNVILLE P   |
| 0334 310017 2001-02-01 | LOWER MANNVILLE Q   |
| 0334 310018 2017-11-01 | LOWER MANNVILLE R   |
| 0334 310019 2001-02-01 | LOWER MANNVILLE S   |
| 0334 310021 2001-03-01 | LOWER MANNVILLE U   |
| 0334 310022 2011-07-01 | LOWER MANNVILLE V   |
| 0334 310023 2013-06-01 | LOWER MANNVILLE W   |
| 0334 310024 2005-03-01 | LOWER MANNVILLE X   |
| 0334 310026 2005-02-01 | LOWER MANNVILLE Z   |
| 0334 310027 2006-05-01 | LOWER MANNVILLE AA  |
| 0334 310029 2005-05-01 | LOWER MANNVILLE CC  |
| 0334 310030 2006-11-01 | LOWER MANNVILLE DD  |
| 0334 310031 2007-01-01 | LOWER MANNVILLE EE  |
| 0334 310032 2007-07-01 | LOWER MANNVILLE FF  |
| 0334 310033 2007-07-01 | LOWER MANNVILLE GG  |
| 0334 310034 2009-07-01 | LOWER MANNVILLE HH  |
| 0334 310035 2013-01-01 | LOWER MANNVILLE II  |
| 0334 310036 2012-12-01 | LOWER MANNVILLE JJ  |
| 0334 310037 2012-12-01 | LOWER MANNVILLE KK  |
| 0334 310038 2013-06-01 | LOWER MANNVILLE LL  |
| 0334 310039 2013-06-01 | LOWER MANNVILLE MM  |
| 0334 310040 2013-06-01 | LOWER MANNVILLE NN  |
| 0334 310041 2014-05-01 | LOWER MANNVILLE OO  |
| 0334 310042 2014-05-01 | LOWER MANNVILLE PP  |
| 0334 696001 2010-04-01 | NISKU A             |
| 0334 696002 2015-03-01 | NISKU B             |
| 0334 696004 2016-03-01 | NISKU D             |
| 0334 696005 2015-11-01 | NISKU E             |
| 0334 728001 2018-07-01 | DUVERNAY A          |
| 0334 728002 2018-10-01 | DUVERNAY B          |
| 0334 850600 2014-05-01 | MFP8506 BELLY RIVER |

**SPACING PATTERN**

SU 2646 7 Mar 1996  
SU 2646A 19 Nov 2004  
SU 2646B 2 Apr 2005  
SU 2646C 31 May 2005  
SU 2646D 13 Sep 2005  
SU 2646F 8 Nov 2005  
SU 2646G 13 Dec 2005  
SU 2646H 25 Jan 2006  
SU 2646I 25 Jan 2006  
SU 2646J 16 Mar 2006  
SU 2646K 6 Apr 2006

**COMPULSORY POOLING**

P 52 23 Jun 1982  
P 52A 27 Jul 1982  
Gas  
36-034-23W4M  
Ashlu Exploration Ltd.

**COMMINGLED PRODUCTION**

MU 8640 10 Jul 2014

**ENHANCED RECOVERY SCHEMES**

App 12354D 12 Mar 2018  
Waterflood  
Whitecap Resources Inc.

**SUBSURFACE DISPOSAL SCHEMES**

App 9229A 7 Sep 2011  
Class II  
Taqa North Ltd.

App 9926B 3 Mar 2015  
Class II  
Whitecap Resources Inc.

**FIELD DESIGNATION**

0338 2004-08-01            EMPRESS FIELD

**POOL DESIGNATION**

0338 218001 2002-05-01    VIKING A

0338 218002 2004-08-01    VIKING B

0338 218003 2010-03-01    VIKING C

0338 250001 2010-03-01    UPPER MANNVILLE A

0338 256001 2003-05-01    COLONY A

0338 256002 2004-08-01    COLONY B

**SPACING PATTERN**

SU 4294            8 Aug 2005

**FIELD DESIGNATION**

0336 2018-10-01 ENCHANT FIELD

**POOL DESIGNATION**

0336 134003 2010-03-01 BASAL BELLY RIVER C

0336 142001 2010-03-01 PAKOWKI A

0336 158002 2005-11-01 MILK RIVER B

0336 158003 2007-07-01 MILK RIVER C

0336 158004 2008-12-01 MILK RIVER D

0336 158005 2008-12-01 MILK RIVER E

0336 158006 2010-10-01 MILK RIVER F

0336 158007 2010-10-01 MILK RIVER G

0336 158008 2011-12-01 MILK RIVER H

0336 160001 2014-04-01 COLORADO A

0336 164006 2010-10-01 MEDICINE HAT F

0336 164007 2010-10-01 MEDICINE HAT G

0336 164008 2010-10-01 MEDICINE HAT H

0336 164009 2014-04-01 MEDICINE HAT I

0336 164010 2014-04-01 MEDICINE HAT J

0336 164011 2012-08-01 MEDICINE HAT K

0336 164012 2014-05-01 MEDICINE HAT L

0336 186010 2014-04-01 SECOND WHITE SPECKS J

0336 186011 2007-10-01 SECOND WHITE SPECKS K

0336 186012 2010-03-01 SECOND WHITE SPECKS L

0336 186013 2013-01-01 SECOND WHITE SPECKS M

0336 213001 2001-02-01 BOW ISLAND A

0336 213002 2001-02-01 BOW ISLAND B

0336 213003 2001-02-01 BOW ISLAND C

0336 213004 2001-02-01 BOW ISLAND D

0336 213005 2010-04-01 BOW ISLAND E

**POOL DESIGNATION (cont'd)**

|                        |               |
|------------------------|---------------|
| 0336 213006 2005-11-01 | BOW ISLAND F  |
| 0336 213007 2001-02-01 | BOW ISLAND G  |
| 0336 213008 2007-07-01 | BOW ISLAND H  |
| 0336 213009 2010-04-01 | BOW ISLAND I  |
| 0336 213010 2001-02-01 | BOW ISLAND J  |
| 0336 213011 2001-02-01 | BOW ISLAND K  |
| 0336 213012 2001-02-01 | BOW ISLAND L  |
| 0336 213013 2001-02-01 | BOW ISLAND M  |
| 0336 213015 2010-04-01 | BOW ISLAND O  |
| 0336 213016 2001-02-01 | BOW ISLAND P  |
| 0336 213017 2002-06-01 | BOW ISLAND Q  |
| 0336 213018 2010-04-01 | BOW ISLAND R  |
| 0336 213019 2001-02-01 | BOW ISLAND S  |
| 0336 213020 2001-02-01 | BOW ISLAND T  |
| 0336 213021 2001-02-01 | BOW ISLAND U  |
| 0336 213022 2001-02-01 | BOW ISLAND V  |
| 0336 213023 2013-12-01 | BOW ISLAND W  |
| 0336 213024 2007-10-01 | BOW ISLAND X  |
| 0336 213025 2001-02-01 | BOW ISLAND Y  |
| 0336 213026 2001-02-01 | BOW ISLAND Z  |
| 0336 213027 2001-02-01 | BOW ISLAND AA |
| 0336 213028 2001-02-01 | BOW ISLAND BB |
| 0336 213029 2001-12-01 | BOW ISLAND CC |
| 0336 213030 2001-02-01 | BOW ISLAND DD |
| 0336 213031 2001-02-01 | BOW ISLAND EE |
| 0336 213032 2001-06-01 | BOW ISLAND FF |
| 0336 213033 2001-02-01 | BOW ISLAND GG |
| 0336 213034 2001-02-01 | BOW ISLAND HH |
| 0336 213035 2001-08-01 | BOW ISLAND II |
| 0336 213036 2002-01-01 | BOW ISLAND JJ |
| 0336 213037 2002-05-01 | BOW ISLAND KK |
| 0336 213038 2002-11-01 | BOW ISLAND LL |
| 0336 213039 2002-11-01 | BOW ISLAND MM |
| 0336 213040 2004-05-01 | BOW ISLAND NN |
| 0336 213041 2003-09-01 | BOW ISLAND OO |
| 0336 213042 2003-05-01 | BOW ISLAND PP |
| 0336 213043 2003-07-01 | BOW ISLAND QQ |
| 0336 213044 2004-05-01 | BOW ISLAND RR |

**POOL DESIGNATION (cont'd)**

|                        |                  |
|------------------------|------------------|
| 0336 213045 2004-09-01 | BOW ISLAND SS    |
| 0336 213046 2004-06-01 | BOW ISLAND TT    |
| 0336 213047 2004-07-01 | BOW ISLAND UU    |
| 0336 213048 2005-03-01 | BOW ISLAND VV    |
| 0336 213049 2004-10-01 | BOW ISLAND WW    |
| 0336 213050 2005-11-01 | BOW ISLAND XX    |
| 0336 213051 2005-11-01 | BOW ISLAND YY    |
| 0336 213052 2005-11-01 | BOW ISLAND ZZ    |
| 0336 213401 2005-11-01 | BOW ISLAND AAA   |
| 0336 213402 2005-11-01 | BOW ISLAND BBB   |
| 0336 213403 2006-01-01 | BOW ISLAND CCC   |
| 0336 213404 2006-06-01 | BOW ISLAND DDD   |
| 0336 213405 2006-09-01 | BOW ISLAND EEE   |
| 0336 213406 2007-02-01 | BOW ISLAND FFF   |
| 0336 213407 2008-02-01 | BOW ISLAND GGG   |
| 0336 213408 2008-02-01 | BOW ISLAND HHH   |
| 0336 213409 2008-06-01 | BOW ISLAND III   |
| 0336 213410 2008-10-01 | BOW ISLAND JJJ   |
| 0336 213411 2009-05-01 | BOW ISLAND KKK   |
| 0336 213412 2009-05-01 | BOW ISLAND LLL   |
| 0336 213413 2009-05-01 | BOW ISLAND MMM   |
| 0336 213414 2009-05-01 | BOW ISLAND NNN   |
| 0336 213415 2009-07-01 | BOW ISLAND OOO   |
| 0336 213416 2009-07-01 | BOW ISLAND PPP   |
| 0336 213417 2010-01-01 | BOW ISLAND QQQ   |
| 0336 213418 2010-01-01 | BOW ISLAND RRR   |
| 0336 213419 2010-03-01 | BOW ISLAND SSS   |
| 0336 213420 2014-01-01 | BOW ISLAND TTT   |
| 0336 213421 2014-01-01 | BOW ISLAND UUU   |
| 0336 213422 2014-01-01 | BOW ISLAND VVV   |
| 0336 213423 2014-02-01 | BOW ISLAND WWW   |
| 0336 213424 2014-02-01 | BOW ISLAND XXX   |
| 0336 213425 2018-10-01 | BOW ISLAND YYY   |
| 0336 213426 2018-10-01 | BOW ISLAND ZZZ   |
| 0336 242001 2011-09-01 | BASAL COLORADO A |
| 0336 242003 2001-02-01 | BASAL COLORADO C |
| 0336 242004 2002-10-01 | BASAL COLORADO D |



**POOL DESIGNATION (cont'd)**

|                        |                    |
|------------------------|--------------------|
| 0336 242005 2001-02-01 | BASAL COLORADO E   |
| 0336 242006 2001-02-01 | BASAL COLORADO F   |
| 0336 242008 2001-02-01 | BASAL COLORADO H   |
| 0336 242009 2001-02-01 | BASAL COLORADO I   |
| 0336 242010 2001-02-01 | BASAL COLORADO J   |
| 0336 242011 2005-11-01 | BASAL COLORADO K   |
| 0336 242012 2006-01-01 | BASAL COLORADO L   |
| 0336 242013 2007-03-01 | BASAL COLORADO M   |
|                        |                    |
| 0336 250001 2011-09-01 | UPPER MANNVILLE A  |
| 0336 250002 2001-02-01 | UPPER MANNVILLE B  |
| 0336 250003 2001-02-01 | UPPER MANNVILLE C  |
| 0336 250004 2001-02-01 | UPPER MANNVILLE D  |
| 0336 250005 2011-09-01 | UPPER MANNVILLE E  |
| 0336 250007 2001-02-01 | UPPER MANNVILLE G  |
| 0336 250008 2001-02-01 | UPPER MANNVILLE H  |
| 0336 250009 2001-02-01 | UPPER MANNVILLE I  |
| 0336 250011 2012-11-01 | UPPER MANNVILLE K  |
| 0336 250012 2014-03-01 | UPPER MANNVILLE L  |
| 0336 250013 2010-04-01 | UPPER MANNVILLE M  |
| 0336 250018 2001-02-01 | UPPER MANNVILLE R  |
| 0336 250019 2010-04-01 | UPPER MANNVILLE S  |
| 0336 250020 2011-09-01 | UPPER MANNVILLE T  |
| 0336 250021 2001-02-01 | UPPER MANNVILLE U  |
| 0336 250023 2001-02-01 | UPPER MANNVILLE W  |
| 0336 250026 2001-02-01 | UPPER MANNVILLE Z  |
| 0336 250027 2001-02-01 | UPPER MANNVILLE AA |
| 0336 250028 2001-02-01 | UPPER MANNVILLE BB |
| 0336 250029 2010-04-01 | UPPER MANNVILLE CC |
| 0336 250030 2001-02-01 | UPPER MANNVILLE DD |
| 0336 250031 2001-02-01 | UPPER MANNVILLE EE |
| 0336 250032 2001-02-01 | UPPER MANNVILLE FF |
| 0336 250033 2001-02-01 | UPPER MANNVILLE GG |
| 0336 250034 2001-02-01 | UPPER MANNVILLE HH |
| 0336 250035 2001-02-01 | UPPER MANNVILLE II |
| 0336 250036 2001-02-01 | UPPER MANNVILLE JJ |
| 0336 250037 2001-02-01 | UPPER MANNVILLE KK |
| 0336 250038 2001-02-01 | UPPER MANNVILLE LL |

**POOL DESIGNATION (cont'd)**

|                        |                     |
|------------------------|---------------------|
| 0336 250039 2001-02-01 | UPPER MANNVILLE MM  |
| 0336 250040 2009-01-01 | UPPER MANNVILLE NN  |
| 0336 250041 2001-02-01 | UPPER MANNVILLE OO  |
| 0336 250042 2001-02-01 | UPPER MANNVILLE PP  |
| 0336 250043 2001-02-01 | UPPER MANNVILLE QQ  |
| 0336 250044 2001-09-01 | UPPER MANNVILLE RR  |
| 0336 250045 2001-02-01 | UPPER MANNVILLE SS  |
| 0336 250046 2013-11-01 | UPPER MANNVILLE TT  |
| 0336 250047 2001-02-01 | UPPER MANNVILLE UU  |
| 0336 250048 2001-02-01 | UPPER MANNVILLE VV  |
| 0336 250049 2001-02-01 | UPPER MANNVILLE WW  |
| 0336 250050 2001-02-01 | UPPER MANNVILLE XX  |
| 0336 250051 2001-02-01 | UPPER MANNVILLE YY  |
| 0336 250052 2001-02-01 | UPPER MANNVILLE ZZ  |
| 0336 250701 2010-04-01 | UPPER MANNVILLE AAA |
| 0336 250702 2001-02-01 | UPPER MANNVILLE BBB |
| 0336 250703 2001-02-01 | UPPER MANNVILLE CCC |
| 0336 250704 2001-02-01 | UPPER MANNVILLE DDD |
| 0336 250705 2001-02-01 | UPPER MANNVILLE EEE |
| 0336 250706 2001-02-01 | UPPER MANNVILLE FFF |
| 0336 250707 2001-02-01 | UPPER MANNVILLE GGG |
| 0336 250708 2001-02-01 | UPPER MANNVILLE HHH |
| 0336 250709 2001-02-01 | UPPER MANNVILLE III |
| 0336 250710 2001-02-01 | UPPER MANNVILLE JJJ |
| 0336 250711 2001-02-01 | UPPER MANNVILLE KKK |
| 0336 250712 2001-02-01 | UPPER MANNVILLE LLL |
| 0336 250713 2001-02-01 | UPPER MANNVILLE MMM |
| 0336 250714 2012-11-01 | UPPER MANNVILLE NNN |
| 0336 250715 2010-04-01 | UPPER MANNVILLE OOO |
| 0336 250716 2006-01-01 | UPPER MANNVILLE PPP |
| 0336 250717 2001-02-01 | UPPER MANNVILLE QQQ |
| 0336 250718 2016-10-01 | UPPER MANNVILLE RRR |
| 0336 250719 2002-03-01 | UPPER MANNVILLE SSS |
| 0336 250720 2001-12-01 | UPPER MANNVILLE TTT |
| 0336 250721 2002-02-01 | UPPER MANNVILLE UUU |
| 0336 250722 2002-02-01 | UPPER MANNVILLE VVV |
| 0336 250724 2010-04-01 | UPPER MANNVILLE XXX |
| 0336 250725 2003-02-01 | UPPER MANNVILLE YYY |

**POOL DESIGNATION (cont'd)**

|                        |                     |
|------------------------|---------------------|
| 0336 250726 2003-05-01 | UPPER MANNVILLE ZZZ |
| 0336 250727 2003-05-01 | UPPER MANNVILLE A2A |
| 0336 250728 2003-08-01 | UPPER MANNVILLE B2B |
| 0336 250729 2003-08-01 | UPPER MANNVILLE C2C |
| 0336 250730 2003-08-01 | UPPER MANNVILLE D2D |
| 0336 250731 2003-08-01 | UPPER MANNVILLE E2E |
| 0336 250732 2003-10-01 | UPPER MANNVILLE F2F |
| 0336 250733 2006-01-01 | UPPER MANNVILLE G2G |
| 0336 250734 2004-06-01 | UPPER MANNVILLE H2H |
| 0336 250735 2004-09-01 | UPPER MANNVILLE I2I |
| 0336 250736 2004-10-01 | UPPER MANNVILLE J2J |
| 0336 250737 2004-10-01 | UPPER MANNVILLE K2K |
| 0336 250738 2005-09-01 | UPPER MANNVILLE L2L |
| 0336 250739 2005-02-01 | UPPER MANNVILLE M2M |
| 0336 250740 2005-04-01 | UPPER MANNVILLE N2N |
| 0336 250741 2005-05-01 | UPPER MANNVILLE O2O |
| 0336 250742 2005-05-01 | UPPER MANNVILLE P2P |
| 0336 250743 2006-04-01 | UPPER MANNVILLE Q2Q |
| 0336 250744 2006-06-01 | UPPER MANNVILLE R2R |
| 0336 250745 2005-06-01 | UPPER MANNVILLE S2S |
| 0336 250746 2005-07-01 | UPPER MANNVILLE T2T |
| 0336 250747 2005-07-01 | UPPER MANNVILLE U2U |
| 0336 250748 2005-07-01 | UPPER MANNVILLE V2V |
| 0336 250749 2009-04-01 | UPPER MANNVILLE W2W |
| 0336 250750 2005-10-01 | UPPER MANNVILLE X2X |
| 0336 250751 2005-11-01 | UPPER MANNVILLE Y2Y |
| 0336 250752 2017-02-01 | UPPER MANNVILLE Z2Z |
| 0336 251101 2010-04-01 | UPPER MANNVILLE A3A |
| 0336 251103 2010-04-01 | UPPER MANNVILLE C3C |
| 0336 251104 2006-06-01 | UPPER MANNVILLE D3D |
| 0336 251105 2008-01-01 | UPPER MANNVILLE E3E |
| 0336 251106 2006-05-01 | UPPER MANNVILLE F3F |
| 0336 251107 2007-01-01 | UPPER MANNVILLE G3G |
| 0336 251108 2007-02-01 | UPPER MANNVILLE H3H |
| 0336 251109 2007-02-01 | UPPER MANNVILLE I3I |
| 0336 251111 2007-07-01 | UPPER MANNVILLE K3K |
| 0336 251112 2008-02-01 | UPPER MANNVILLE L3L |
| 0336 251113 2008-02-01 | UPPER MANNVILLE M3M |

**POOL DESIGNATION (cont'd)**

|                        |                     |
|------------------------|---------------------|
| 0336 251114 2008-02-01 | UPPER MANNVILLE N3N |
| 0336 251115 2009-06-01 | UPPER MANNVILLE O3O |
| 0336 251116 2008-10-01 | UPPER MANNVILLE P3P |
| 0336 251117 2009-05-01 | UPPER MANNVILLE Q3Q |
| 0336 251118 2008-12-01 | UPPER MANNVILLE R3R |
| 0336 251119 2009-01-01 | UPPER MANNVILLE S3S |
| 0336 251120 2009-02-01 | UPPER MANNVILLE T3T |
| 0336 251121 2009-05-01 | UPPER MANNVILLE U3U |
| 0336 251122 2009-07-01 | UPPER MANNVILLE V3V |
| 0336 251123 2013-12-01 | UPPER MANNVILLE W3W |
| 0336 251124 2011-12-01 | UPPER MANNVILLE X3X |
| 0336 251125 2009-08-01 | UPPER MANNVILLE Y3Y |
| 0336 251126 2010-02-01 | UPPER MANNVILLE Z3Z |
| 0336 251127 2010-02-01 | UPPER MANNVILLE A4A |
| 0336 251128 2010-01-01 | UPPER MANNVILLE B4B |
| 0336 251129 2010-02-01 | UPPER MANNVILLE C4C |
| 0336 251130 2010-03-01 | UPPER MANNVILLE D4D |
| 0336 251131 2010-03-01 | UPPER MANNVILLE E4E |
| 0336 251132 2010-09-01 | UPPER MANNVILLE F4F |
| 0336 251133 2012-04-01 | UPPER MANNVILLE G4G |
| 0336 251134 2011-02-01 | UPPER MANNVILLE H4H |
| 0336 251135 2010-07-01 | UPPER MANNVILLE I4I |
| 0336 251136 2011-02-01 | UPPER MANNVILLE J4J |
| 0336 251137 2011-11-01 | UPPER MANNVILLE K4K |
| 0336 251138 2012-02-01 | UPPER MANNVILLE L4L |
| 0336 251139 2012-09-01 | UPPER MANNVILLE M4M |
| 0336 251140 2012-12-01 | UPPER MANNVILLE N4N |
| 0336 251141 2012-05-01 | UPPER MANNVILLE O4O |
| 0336 251142 2012-05-01 | UPPER MANNVILLE P4P |
| 0336 251143 2012-07-01 | UPPER MANNVILLE Q4Q |
| 0336 251144 2013-03-01 | UPPER MANNVILLE R4R |
| 0336 251145 2013-03-01 | UPPER MANNVILLE S4S |
| 0336 251146 2013-05-01 | UPPER MANNVILLE T4T |
| 0336 251147 2014-04-01 | UPPER MANNVILLE U4U |
| 0336 310002 2010-04-01 | LOWER MANNVILLE B   |
| 0336 310004 2001-02-01 | LOWER MANNVILLE D   |
| 0336 310005 2001-02-01 | LOWER MANNVILLE E   |

**POOL DESIGNATION (cont'd)**

|             |            |                   |
|-------------|------------|-------------------|
| 0336 310008 | 2001-02-01 | LOWER MANNVILLE H |
| 0336 310009 | 2001-02-01 | LOWER MANNVILLE I |
| 0336 310011 | 2001-02-01 | LOWER MANNVILLE K |
| 0336 310012 | 2001-02-01 | LOWER MANNVILLE L |
| 0336 310013 | 2001-02-01 | LOWER MANNVILLE M |
| 0336 310014 | 2001-02-01 | LOWER MANNVILLE N |
| 0336 310015 | 2001-02-01 | LOWER MANNVILLE O |
| 0336 310016 | 2003-05-01 | LOWER MANNVILLE P |
| 0336 310017 | 2005-11-01 | LOWER MANNVILLE Q |
| 0336 310018 | 2008-02-01 | LOWER MANNVILLE R |
| 0336 310020 | 2009-04-01 | LOWER MANNVILLE T |
| 0336 310021 | 2013-06-01 | LOWER MANNVILLE U |
| 0336 310022 | 2013-06-01 | LOWER MANNVILLE V |

|             |            |            |
|-------------|------------|------------|
| 0336 332001 | 2001-02-01 | SUNBURST A |
| 0336 332002 | 2001-02-01 | SUNBURST B |
| 0336 332003 | 2010-04-01 | SUNBURST C |
| 0336 332004 | 2001-02-01 | SUNBURST D |
| 0336 332005 | 2001-02-01 | SUNBURST E |
| 0336 332006 | 2001-02-01 | SUNBURST F |
| 0336 332007 | 2001-02-01 | SUNBURST G |
| 0336 332008 | 2011-09-01 | SUNBURST H |
| 0336 332009 | 2001-02-01 | SUNBURST I |
| 0336 332010 | 2001-02-01 | SUNBURST J |
| 0336 332011 | 2001-02-01 | SUNBURST K |
| 0336 332012 | 2001-02-01 | SUNBURST L |
| 0336 332013 | 2001-02-01 | SUNBURST M |
| 0336 332014 | 2001-02-01 | SUNBURST N |
| 0336 332015 | 2012-02-01 | SUNBURST O |
| 0336 332016 | 2001-06-01 | SUNBURST P |
| 0336 332017 | 2002-05-01 | SUNBURST Q |
| 0336 332018 | 2003-02-01 | SUNBURST R |
| 0336 332019 | 2004-01-01 | SUNBURST S |
| 0336 332020 | 2004-12-01 | SUNBURST T |
| 0336 332021 | 2010-04-01 | SUNBURST U |
| 0336 332022 | 2010-04-01 | SUNBURST V |
| 0336 332023 | 2005-07-01 | SUNBURST W |
| 0336 332026 | 2010-04-01 | SUNBURST Z |

**POOL DESIGNATION (cont'd)**

|                        |                    |
|------------------------|--------------------|
| 0336 332029 2005-11-01 | SUNBURST CC        |
| 0336 332030 2006-05-01 | SUNBURST DD        |
| 0336 332031 2007-07-01 | SUNBURST EE        |
| 0336 332032 2010-04-01 | SUNBURST FF        |
| 0336 332033 2009-02-01 | SUNBURST GG        |
| 0336 332034 2010-01-01 | SUNBURST HH        |
| 0336 332035 2012-01-01 | SUNBURST II        |
| 0336 332036 2013-05-01 | SUNBURST JJ        |
| 0336 336023 2019-01-01 | ELLERSLIE W        |
| 0336 336024 2018-12-01 | ELLERSLIE X        |
| 0336 350701 2010-04-01 | DETR-LIVINGSTONE A |
| 0336 418002 2001-02-01 | ELLIS B            |
| 0336 418003 2001-02-01 | ELLIS C            |
| 0336 418004 2001-02-01 | ELLIS D            |
| 0336 418005 2001-02-01 | ELLIS E            |
| 0336 418006 2001-02-01 | ELLIS F            |
| 0336 418007 2001-02-01 | ELLIS G            |
| 0336 418009 2001-02-01 | ELLIS I            |
| 0336 418010 2013-08-01 | ELLIS J            |
| 0336 418011 2005-07-01 | ELLIS K            |
| 0336 418012 2001-09-01 | ELLIS L            |
| 0336 418014 2001-02-01 | ELLIS N            |
| 0336 418016 2001-02-01 | ELLIS P            |
| 0336 418017 2001-02-01 | ELLIS Q            |
| 0336 418018 2001-02-01 | ELLIS R            |
| 0336 418019 2001-02-01 | ELLIS S            |
| 0336 418020 2001-02-01 | ELLIS T            |
| 0336 418021 2001-02-01 | ELLIS U            |
| 0336 418022 2001-02-01 | ELLIS V            |
| 0336 418023 2001-09-01 | ELLIS W            |
| 0336 418024 2001-02-01 | ELLIS X            |
| 0336 418025 2001-02-01 | ELLIS Y            |
| 0336 418026 2010-04-01 | ELLIS Z            |
| 0336 418027 2001-02-01 | ELLIS AA           |
| 0336 418028 2001-02-01 | ELLIS BB           |

**POOL DESIGNATION (cont'd)**

|                        |               |
|------------------------|---------------|
| 0336 418029 2001-02-01 | ELLIS CC      |
| 0336 428001 2001-02-01 | SAWTOOTH A    |
| 0336 428002 2001-02-01 | SAWTOOTH B    |
| 0336 428003 2004-12-01 | SAWTOOTH C    |
| 0336 428004 2005-03-01 | SAWTOOTH D    |
| 0336 428005 2004-11-01 | SAWTOOTH E    |
| 0336 428006 2005-03-01 | SAWTOOTH F    |
| 0336 428007 2004-11-01 | SAWTOOTH G    |
| 0336 428008 2005-06-01 | SAWTOOTH H    |
| 0336 428009 2004-12-01 | SAWTOOTH I    |
| 0336 428010 2006-04-01 | SAWTOOTH J    |
| 0336 428011 2010-07-01 | SAWTOOTH K    |
| 0336 428012 2009-01-01 | SAWTOOTH L    |
| 0336 428013 2013-05-01 | SAWTOOTH M    |
| 0336 628002 2010-04-01 | LIVINGSTONE B |
| 0336 628003 2001-02-01 | LIVINGSTONE C |
| 0336 628004 2001-02-01 | LIVINGSTONE D |
| 0336 628006 2010-02-01 | LIVINGSTONE F |
| 0336 628007 2001-02-01 | LIVINGSTONE G |
| 0336 628008 2001-02-01 | LIVINGSTONE H |
| 0336 628009 2001-02-01 | LIVINGSTONE I |
| 0336 628010 2001-02-01 | LIVINGSTONE J |
| 0336 628011 2001-02-01 | LIVINGSTONE K |
| 0336 628012 2013-03-01 | LIVINGSTONE L |
| 0336 628013 2008-10-01 | LIVINGSTONE M |
| 0336 628014 2009-05-01 | LIVINGSTONE N |
| 0336 628015 2009-09-01 | LIVINGSTONE O |
| 0336 628016 2013-05-01 | LIVINGSTONE P |
| 0336 628017 2013-05-01 | LIVINGSTONE Q |
| 0336 694001 2012-05-01 | ARCS A        |
| 0336 694002 2010-04-01 | ARCS B        |
| 0336 694003 2001-02-01 | ARCS C        |
| 0336 694004 2001-02-01 | ARCS D        |
| 0336 694005 2001-02-01 | ARCS E        |
| 0336 694006 2010-04-01 | ARCS F        |

**POOL DESIGNATION (cont'd)**

|                        |          |
|------------------------|----------|
| 0336 694007 2010-04-01 | ARCS G   |
| 0336 694009 2010-12-01 | ARCS I   |
| 0336 694010 2011-09-01 | ARCS J   |
| 0336 694011 2001-02-01 | ARCS K   |
| 0336 694012 2001-02-01 | ARCS L   |
| 0336 694014 2010-07-01 | ARCS N   |
| 0336 694015 2010-04-01 | ARCS O   |
| 0336 694016 2005-10-01 | ARCS P   |
| 0336 694018 2005-10-01 | ARCS R   |
| 0336 694019 2011-07-01 | ARCS S   |
| 0336 694020 2001-02-01 | ARCS T   |
| 0336 694022 2015-02-01 | ARCS V   |
| 0336 694025 2001-02-01 | ARCS Y   |
| 0336 694026 2010-04-01 | ARCS Z   |
| 0336 694028 2001-02-01 | ARCS BB  |
| 0336 694029 2001-02-01 | ARCS CC  |
| 0336 694031 2001-02-01 | ARCS EE  |
| 0336 694032 2011-09-01 | ARCS FF  |
| 0336 694033 2013-12-01 | ARCS GG  |
| 0336 694037 2010-04-01 | ARCS KK  |
| 0336 694038 2001-10-01 | ARCS LL  |
| 0336 694039 2001-02-01 | ARCS MM  |
| 0336 694040 2001-02-01 | ARCS NN  |
| 0336 694041 2001-02-01 | ARCS OO  |
| 0336 694048 2014-04-01 | ARCS VV  |
| 0336 694106 2010-04-01 | ARCS FFF |
| 0336 694108 2001-02-01 | ARCS HHH |
| 0336 694109 2001-02-01 | ARCS III |
| 0336 694110 2011-07-01 | ARCS JJJ |
| 0336 694111 2001-02-01 | ARCS KKK |
| 0336 694115 2001-02-01 | ARCS OOO |
| 0336 694116 2001-02-01 | ARCS PPP |
| 0336 694117 2009-08-01 | ARCS QQQ |
| 0336 694118 2011-08-01 | ARCS RRR |
| 0336 694119 2011-08-01 | ARCS SSS |
| 0336 694120 2007-05-01 | ARCS TTT |
| 0336 694121 2004-08-01 | ARCS UUU |
| 0336 694123 2004-10-01 | ARCS WWW |



**POOL DESIGNATION (cont'd)**

|             |            |                       |
|-------------|------------|-----------------------|
| 0336 694124 | 2004-08-01 | ARCS XXX              |
| 0336 694125 | 2007-06-01 | ARCS YYY              |
| 0336 694126 | 2005-12-01 | ARCS ZZZ              |
| 0336 694127 | 2009-01-01 | ARCS A2A              |
| 0336 694128 | 2005-03-01 | ARCS B2B              |
| 0336 694129 | 2005-03-01 | ARCS C2C              |
| 0336 694130 | 2014-02-01 | ARCS D2D              |
| 0336 694135 | 2012-11-01 | ARCS I2I              |
| 0336 694136 | 2012-11-01 | ARCS J2J              |
| 0336 694137 | 2010-01-01 | ARCS K2K              |
| 0336 694138 | 2012-03-01 | ARCS L2L              |
| 0336 694139 | 2012-10-01 | ARCS M2M              |
| 0336 694140 | 2012-09-01 | ARCS N2N              |
|             |            |                       |
| 0336 850500 | 2018-10-01 | MFP8505 2WS           |
|             |            |                       |
| 0336 853200 | 2014-04-01 | MFP8532 2WS           |
|             |            |                       |
| 0336 854300 | 2011-04-01 | MFP8543 BSL BELLY RIV |

**SPACING PATTERN**

|          |             |
|----------|-------------|
| SU 2982  | 11 Jul 2000 |
| SU 2982A | 11 Jan 2002 |
| SU 2982B | 28 Mar 2002 |
| SU 2982C | 20 Nov 2002 |
| SU 2982D | 9 Sep 2003  |
| SU 2982E | 14 Oct 2003 |
| SU 2982F | 23 Feb 2004 |
|          |             |
| SU 4275  | 17 Feb 2005 |
| SU 4275A | 16 Apr 2005 |
| SU 4275B | 23 Aug 2005 |
| SU 4275C | 21 Sep 2005 |
| SU 4275D | 6 Dec 2005  |
| SU 4275E | 7 Mar 2006  |

**COMMINGLED PRODUCTION**

MU 8482      4 Apr 2013

**ENHANCED RECOVERY SCHEMES**

App 6976E      30 Jan 2015  
Waterflood  
Arcs MM and NN  
Canadian Natural Resources Limited

App 7426B      10 Nov 2015  
Waterflood  
Ellis V  
Canadian Natural Resources Limited

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

App 7523G 31 Oct 2016  
Waterflood  
Arcs Y and Z  
Canadian Natural Resources Limited

App 8356G 11 Oct 2016  
Waterflood  
Arcs J and VV  
Canadian Natural Resources Limited

App 8411F 28 Nov 2017  
Waterflood  
Arcs CC and Arcs EE  
Pengrowth Energy Corporation

App 8417E 11 Dec 2015  
Waterflood  
Arcs J and VV  
Taqa North Ltd.

App 8562G 18 Jul 2016  
Waterflood  
Arcs J and VV  
Canadian Natural Resources Limited

App 9735H 7 Jun 2013  
Waterflood  
Arcs FF and GG  
Canadian Natural Resources Limited

App 9839F 1 Jun 2017  
Chemical  
Arcs A and B  
Canadian Natural Resources Limited

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

App 10139E 7 Nov 2014  
Waterflood  
Arcs C and D  
Canadian Natural Resources Limited

App 10523I 1 Jun 2017  
Chemical  
Arcs F and G  
Canadian Natural Resources Limited

App 10796F 30 Nov 2017  
Waterflood  
Arcs P and R  
Canadian Natural Resources Limited

App 10797B 17 Mar 2015  
Waterflood  
Arcs K and V  
Canadian Natural Resources Limited

App 11325I 30 Jun 2016  
Waterflood  
Upper Mannville NNN  
SanLing Energy Ltd.

App 11597B 16 Oct 2014  
Waterflood  
Arcs I  
Canadian Natural Resources Limited

App 12639 20 Jun 2017  
Waterflood  
Arcs I2I & J2J  
Canadian Natural Resources Limited

**SUBSURFACE DISPOSAL SCHEMES**

App 6733D 28 Jan 2014  
Class II  
Canadian Natural Resources Limited

App 7077E 28 Jan 2014  
Class II  
Canadian Natural Resources Limited

App 10145C 15 Aug 2016  
Class II  
SanLing Energy Ltd.  
App 10801A 28 Jan 2014

App 10801B 1 Apr 2014  
Class II  
Canadian Natural Resources Limited

App 11120E 19 Jan 2017  
Class II  
Houston Oil & Gas Ltd.

**COMPULSORY POOLING**

P 194 19 Jul 2000  
Gas  
14-012-16W4M  
Rozsa Petroleum Ltd.

**FIELD DESIGNATION**

0337 2007-09-01                      ENDIANG FIELD

**POOL DESIGNATION**

0337 118801 2006-11-01            LOWER EDMONTON A

0337 118802 2010-04-01            LOWER EDMONTON B

0337 126005 2001-02-01            BELLY RIVER E

0337 218001 2001-02-01            VIKING A

0337 218002 2008-12-01            VIKING B

0337 218003 2008-12-01            VIKING C

0337 218004 2008-12-01            VIKING D

0337 250003 2004-10-01            UPPER MANNVILLE C

0337 250004 2001-02-01            UPPER MANNVILLE D

0337 250005 2004-11-01            UPPER MANNVILLE E

0337 250006 2006-11-01            UPPER MANNVILLE F

0337 250007 2007-05-01            UPPER MANNVILLE G

**SPACING PATTERN**

SU 4286            5 Mar 2005

**COMMINGLED PRODUCTION**

MU 7221            24 Aug 2009

**INDEX OF AER ORDERS AND APPROVALS**

**END**

**ENDONA AREA**

**1070**

**January 2019**

**Page 1 of 1**

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**SPACING PATTERN**

SU 4152      5 Feb 2004

**FIELD DESIGNATION**

1072 2011-03-01            ENSIGN FIELD

**POOL DESIGNATION**

1072 300001 2013-03-01    GLAUCONITIC A

1072 336001 2004-11-01    ELLERSLIE A

1072 336002 2013-03-01    ELLERSLIE B

1072 336003 2007-07-01    ELLERSLIE C

1072 336004 2007-07-01    ELLERSLIE D

1072 336005 2008-03-01    ELLERSLIE E

1072 428001 2008-11-01    SAWTOOTH A

1072 610001 2001-02-01    RUNDLE A

**SPACING PATTERN**

SU 4287            28 Feb 2005

**FIELD DESIGNATION**

0339 2013-05-01 ENTICE FIELD

**POOL DESIGNATION**

0339 064001 2010-06-01 PASKAPOO A  
0339 064002 2010-06-01 PASKAPOO B  
0339 064003 2010-06-01 PASKAPOO C

0339 106006 2017-06-01 EDMONTON F  
0339 106012 2012-02-01 EDMONTON L  
0339 106018 2010-04-01 EDMONTON R  
0339 106019 2005-05-01 EDMONTON S  
0339 106030 2007-11-01 EDMONTON DD  
0339 106031 2010-06-01 EDMONTON EE  
0339 106032 2010-06-01 EDMONTON FF  
0339 106033 2010-06-01 EDMONTON GG  
0339 106034 2010-08-01 EDMONTON HH  
0339 106035 2010-06-01 EDMONTON II  
0339 106036 2010-06-01 EDMONTON JJ  
0339 106037 2010-06-01 EDMONTON KK  
0339 106038 2010-06-01 EDMONTON LL  
0339 106040 2010-06-01 EDMONTON NN  
0339 106041 2010-06-01 EDMONTON OO  
0339 106043 2010-06-01 EDMONTON QQ  
0339 106044 2010-06-01 EDMONTON RR  
0339 106045 2010-06-01 EDMONTON SS  
0339 106046 2010-06-01 EDMONTON TT  
0339 106047 2010-06-01 EDMONTON UU  
0339 106048 2017-05-01 EDMONTON VV  
0339 106049 2010-06-01 EDMONTON WW  
0339 106050 2010-06-01 EDMONTON XX  
0339 106051 2010-06-01 EDMONTON YY  
0339 106052 2017-05-01 EDMONTON ZZ  
0339 106601 2010-06-01 EDMONTON AAA  
0339 106602 2010-06-01 EDMONTON BBB  
0339 106603 2010-06-01 EDMONTON CCC

**POOL DESIGNATION (cont'd)**

|                        |                    |
|------------------------|--------------------|
| 0339 106604 2010-06-01 | EDMONTON DDD       |
| 0339 106605 2010-06-01 | EDMONTON EEE       |
| 0339 106607 2010-06-01 | EDMONTON GGG       |
| 0339 106608 2010-06-01 | EDMONTON HHH       |
| 0339 106609 2010-06-01 | EDMONTON III       |
| 0339 106610 2010-06-01 | EDMONTON JJJ       |
| 0339 106611 2017-04-01 | EDMONTON KKK       |
| 0339 106613 2010-06-01 | EDMONTON MMM       |
| 0339 106614 2010-06-01 | EDMONTON NNN       |
| 0339 106615 2010-08-01 | EDMONTON OOO       |
| 0339 106616 2010-08-01 | EDMONTON PPP       |
| 0339 106617 2010-08-01 | EDMONTON QQQ       |
| 0339 106618 2010-11-01 | EDMONTON RRR       |
| 0339 106619 2010-11-01 | EDMONTON SSS       |
| 0339 106620 2010-11-01 | EDMONTON TTT       |
| 0339 106621 2010-11-01 | EDMONTON UUU       |
| 0339 106622 2010-11-01 | EDMONTON VVV       |
| 0339 106623 2010-11-01 | EDMONTON WWW       |
| 0339 106624 2011-02-01 | EDMONTON XXX       |
| 0339 106625 2011-06-01 | EDMONTON YYY       |
| 0339 106626 2011-12-01 | EDMONTON ZZZ       |
| 0339 106627 2015-01-01 | EDMONTON A2A       |
| 0339 118842 2011-06-01 | LOWER EDMONTON PP  |
| 0339 118846 2011-02-01 | LOWER EDMONTON TT  |
| 0339 118847 2010-06-01 | LOWER EDMONTON UU  |
| 0339 119302 2010-06-01 | LOWER EDMONTON BBB |
| 0339 119305 2010-06-01 | LOWER EDMONTON EEE |
| 0339 119308 2011-11-01 | LOWER EDMONTON HHH |
| 0339 119310 2010-06-01 | LOWER EDMONTON JJJ |
| 0339 119314 2010-06-01 | LOWER EDMONTON NNN |
| 0339 119315 2010-06-01 | LOWER EDMONTON OOO |
| 0339 119316 2010-06-01 | LOWER EDMONTON PPP |
| 0339 119318 2018-07-01 | LOWER EDMONTON RRR |
| 0339 119319 2011-10-01 | LOWER EDMONTON SSS |
| 0339 119321 2017-05-01 | LOWER EDMONTON UUU |
| 0339 119322 2010-06-01 | LOWER EDMONTON VVV |
| 0339 119324 2011-02-01 | LOWER EDMONTON XXX |



**POOL DESIGNATION (cont'd)**

|                        |                    |
|------------------------|--------------------|
| 0339 119325 2011-07-01 | LOWER EDMONTON YYY |
| 0339 119326 2010-06-01 | LOWER EDMONTON ZZZ |
| 0339 119335 2010-06-01 | LOWER EDMONTON I2I |
| 0339 119336 2017-06-01 | LOWER EDMONTON J2J |
| 0339 119337 2010-06-01 | LOWER EDMONTON K2K |
| 0339 119338 2017-04-01 | LOWER EDMONTON L2L |
| 0339 119344 2010-06-01 | LOWER EDMONTON R2R |
| 0339 119348 2017-06-01 | LOWER EDMONTON V2V |
| 0339 119350 2010-08-01 | LOWER EDMONTON X2X |
| 0339 119351 2010-08-01 | LOWER EDMONTON Y2Y |
| 0339 119404 2011-05-01 | LOWER EDMONTON D3D |
| 0339 119405 2012-07-01 | LOWER EDMONTON E3E |
| 0339 119406 2012-07-01 | LOWER EDMONTON F3F |
| 0339 119407 2012-07-01 | LOWER EDMONTON G3G |
| 0339 119408 2012-07-01 | LOWER EDMONTON H3H |
| 0339 119409 2012-07-01 | LOWER EDMONTON I3I |
| 0339 119410 2012-07-01 | LOWER EDMONTON J3J |
| 0339 119411 2012-07-01 | LOWER EDMONTON K3K |
| 0339 119412 2012-07-01 | LOWER EDMONTON L3L |
| 0339 119413 2012-07-01 | LOWER EDMONTON M3M |
| 0339 119414 2012-07-01 | LOWER EDMONTON N3N |
| 0339 119415 2017-06-01 | LOWER EDMONTON O3O |
| 0339 119416 2012-07-01 | LOWER EDMONTON P3P |
| 0339 119417 2011-10-01 | LOWER EDMONTON Q3Q |
| 0339 119418 2011-10-01 | LOWER EDMONTON R3R |
| 0339 119419 2011-12-01 | LOWER EDMONTON S3S |
| 0339 119420 2011-12-01 | LOWER EDMONTON T3T |
| 0339 119421 2011-12-01 | LOWER EDMONTON U3U |
| 0339 119422 2011-12-01 | LOWER EDMONTON V3V |
| 0339 119423 2011-12-01 | LOWER EDMONTON W3W |
| 0339 119424 2011-12-01 | LOWER EDMONTON X3X |
| 0339 119426 2012-05-01 | LOWER EDMONTON Z3Z |
| 0339 119427 2012-06-01 | LOWER EDMONTON A4A |
| 0339 119428 2012-09-01 | LOWER EDMONTON B4B |
| 0339 119429 2013-04-01 | LOWER EDMONTON C4C |
| 0339 119430 2013-04-01 | LOWER EDMONTON D4D |
| 0339 119431 2013-04-01 | LOWER EDMONTON E4E |
| 0339 119432 2013-04-01 | LOWER EDMONTON F4F |

**POOL DESIGNATION (cont'd)**

|                        |                       |
|------------------------|-----------------------|
| 0339 119433 2013-04-01 | LOWER EDMONTON G4G    |
| 0339 119434 2013-04-01 | LOWER EDMONTON H4H    |
| 0339 119435 2013-08-01 | LOWER EDMONTON I4I    |
| 0339 119436 2015-05-01 | LOWER EDMONTON J4J    |
| 0339 119437 2018-09-01 | LOWER EDMONTON K4K    |
|                        |                       |
| 0339 126436 2010-06-01 | BELLY RIVER J4J       |
| 0339 126440 2011-10-01 | BELLY RIVER N4N       |
|                        |                       |
| 0339 134007 2005-06-01 | BASAL BELLY RIVER G   |
| 0339 134011 2010-04-01 | BASAL BELLY RIVER K   |
| 0339 134012 2005-07-01 | BASAL BELLY RIVER L   |
| 0339 134015 2005-10-01 | BASAL BELLY RIVER O   |
| 0339 134021 2010-06-01 | BASAL BELLY RIVER U   |
| 0339 134025 2016-08-01 | BASAL BELLY RIVER Y   |
| 0339 134027 2010-06-01 | BASAL BELLY RIVER AA  |
| 0339 134030 2010-06-01 | BASAL BELLY RIVER DD  |
| 0339 134031 2010-08-01 | BASAL BELLY RIVER EE  |
| 0339 134040 2010-06-01 | BASAL BELLY RIVER NN  |
| 0339 134042 2011-10-01 | BASAL BELLY RIVER PP  |
| 0339 134043 2012-04-01 | BASAL BELLY RIVER QQ  |
| 0339 134049 2010-06-01 | BASAL BELLY RIVER WW  |
| 0339 134052 2010-06-01 | BASAL BELLY RIVER ZZ  |
| 0339 134106 2010-06-01 | BASAL BELLY RIVER FFF |
| 0339 134116 2010-06-01 | BASAL BELLY RIVER PPP |
| 0339 134119 2010-06-01 | BASAL BELLY RIVER SSS |
| 0339 134126 2010-08-01 | BASAL BELLY RIVER ZZZ |
| 0339 134127 2010-08-01 | BASAL BELLY RIVER A2A |
| 0339 134801 2010-11-01 | BASAL BELLY RIVER A3A |
| 0339 134802 2011-02-01 | BASAL BELLY RIVER B3B |
| 0339 134803 2011-06-01 | BASAL BELLY RIVER C3C |
| 0339 134804 2011-12-01 | BASAL BELLY RIVER D3D |
| 0339 134805 2011-12-01 | BASAL BELLY RIVER E3E |
| 0339 134806 2011-12-01 | BASAL BELLY RIVER F3F |
| 0339 134807 2011-12-01 | BASAL BELLY RIVER G3G |
| 0339 134808 2012-07-01 | BASAL BELLY RIVER H3H |
| 0339 134809 2012-07-01 | BASAL BELLY RIVER I3I |
| 0339 134810 2014-12-01 | BASAL BELLY RIVER J3J |

**POOL DESIGNATION (cont'd)**

0339 164004 2007-10-01 MEDICINE HAT D

0339 213001 2010-06-01 BOW ISLAND A

0339 213002 2010-06-01 BOW ISLAND B

0339 213003 2011-12-01 BOW ISLAND C

0339 218001 2008-03-01 VIKING A

0339 218004 2010-04-01 VIKING D

0339 218005 2009-12-01 VIKING E

0339 218006 2010-06-01 VIKING F

0339 218007 2010-06-01 VIKING G

0339 218008 2010-06-01 VIKING H

0339 218009 2010-06-01 VIKING I

0339 218010 2010-06-01 VIKING J

0339 218011 2010-06-01 VIKING K

0339 218012 2010-06-01 VIKING L

0339 218013 2010-06-01 VIKING M

0339 218014 2010-06-01 VIKING N

0339 218015 2010-06-01 VIKING O

0339 218016 2010-06-01 VIKING P

0339 218017 2011-10-01 VIKING Q

0339 218018 2014-02-01 VIKING R

0339 218019 2016-02-01 VIKING S

0339 248001 2015-03-01 MANNVILLE A

0339 250002 2010-06-01 UPPER MANNVILLE B

0339 250003 2010-06-01 UPPER MANNVILLE C

0339 250004 2010-06-01 UPPER MANNVILLE D

0339 250005 2010-06-01 UPPER MANNVILLE E

0339 250006 2015-02-01 UPPER MANNVILLE F

0339 250007 2010-06-01 UPPER MANNVILLE G

0339 250008 2010-06-01 UPPER MANNVILLE H

0339 250009 2010-06-01 UPPER MANNVILLE I

0339 250010 2013-03-01 UPPER MANNVILLE J

0339 250011 2014-02-01 UPPER MANNVILLE K

0339 250012 2017-06-01 UPPER MANNVILLE L

0339 250013 2015-10-01 UPPER MANNVILLE M

**POOL DESIGNATION (cont'd)**

|                        |                    |
|------------------------|--------------------|
| 0339 250014 2017-07-01 | UPPER MANNVILLE N  |
| 0339 310002 2010-06-01 | LOWER MANNVILLE B  |
| 0339 310003 2010-06-01 | LOWER MANNVILLE C  |
| 0339 310004 2010-06-01 | LOWER MANNVILLE D  |
| 0339 310005 2010-06-01 | LOWER MANNVILLE E  |
| 0339 310006 2010-06-01 | LOWER MANNVILLE F  |
| 0339 310007 2010-06-01 | LOWER MANNVILLE G  |
| 0339 310008 2010-06-01 | LOWER MANNVILLE H  |
| 0339 310009 2010-06-01 | LOWER MANNVILLE I  |
| 0339 310010 2010-06-01 | LOWER MANNVILLE J  |
| 0339 310011 2010-06-01 | LOWER MANNVILLE K  |
| 0339 310012 2010-06-01 | LOWER MANNVILLE L  |
| 0339 310013 2010-06-01 | LOWER MANNVILLE M  |
| 0339 310014 2010-06-01 | LOWER MANNVILLE N  |
| 0339 310015 2010-06-01 | LOWER MANNVILLE O  |
| 0339 310016 2010-06-01 | LOWER MANNVILLE P  |
| 0339 310017 2010-06-01 | LOWER MANNVILLE Q  |
| 0339 310018 2010-06-01 | LOWER MANNVILLE R  |
| 0339 310019 2010-06-01 | LOWER MANNVILLE S  |
| 0339 310020 2010-06-01 | LOWER MANNVILLE T  |
| 0339 310021 2010-06-01 | LOWER MANNVILLE U  |
| 0339 310022 2010-06-01 | LOWER MANNVILLE V  |
| 0339 310023 2010-06-01 | LOWER MANNVILLE W  |
| 0339 310024 2012-02-01 | LOWER MANNVILLE X  |
| 0339 310025 2010-06-01 | LOWER MANNVILLE Y  |
| 0339 310026 2010-06-01 | LOWER MANNVILLE Z  |
| 0339 310027 2015-09-01 | LOWER MANNVILLE AA |
| 0339 310028 2010-06-01 | LOWER MANNVILLE BB |
| 0339 310029 2010-06-01 | LOWER MANNVILLE CC |
| 0339 310030 2010-06-01 | LOWER MANNVILLE DD |
| 0339 310031 2010-06-01 | LOWER MANNVILLE EE |
| 0339 310032 2010-06-01 | LOWER MANNVILLE FF |
| 0339 310033 2010-06-01 | LOWER MANNVILLE GG |
| 0339 310034 2010-06-01 | LOWER MANNVILLE HH |
| 0339 310035 2010-06-01 | LOWER MANNVILLE II |
| 0339 310036 2010-06-01 | LOWER MANNVILLE JJ |
| 0339 310037 2010-06-01 | LOWER MANNVILLE KK |

**POOL DESIGNATION (cont'd)**

|                        |                    |
|------------------------|--------------------|
| 0339 310038 2010-06-01 | LOWER MANNVILLE LL |
| 0339 310039 2010-06-01 | LOWER MANNVILLE MM |
| 0339 310040 2010-06-01 | LOWER MANNVILLE NN |
| 0339 310041 2010-06-01 | LOWER MANNVILLE OO |
| 0339 310042 2013-03-01 | LOWER MANNVILLE PP |
| 0339 310043 2010-06-01 | LOWER MANNVILLE QQ |
| 0339 310044 2010-06-01 | LOWER MANNVILLE RR |
| 0339 310045 2011-01-01 | LOWER MANNVILLE SS |
| 0339 310046 2013-10-01 | LOWER MANNVILLE TT |
| 0339 310047 2013-11-01 | LOWER MANNVILLE UU |
| 0339 310048 2013-11-01 | LOWER MANNVILLE VV |
| 0339 310049 2015-04-01 | LOWER MANNVILLE WW |
| 0339 310050 2015-09-01 | LOWER MANNVILLE XX |
| 0339 310051 2017-01-01 | LOWER MANNVILLE YY |
| 0339 336002 2017-01-01 | ELLERSLIE B        |
| 0339 336003 2018-11-01 | ELLERSLIE C        |
| 0339 610001 2010-06-01 | RUNDLE A           |
| 0339 610002 2010-06-01 | RUNDLE B           |
| 0339 630001 2010-06-01 | TURNER VALLEY A    |
| 0339 630002 2010-06-01 | TURNER VALLEY B    |
| 0339 642001 2018-08-01 | PEKISKO A          |
| 0339 642002 2018-04-01 | PEKISKO B          |
| 0339 642003 2003-01-01 | PEKISKO C          |
| 0339 642004 2003-06-01 | PEKISKO D          |
| 0339 642005 2012-05-01 | PEKISKO E          |
| 0339 642006 2007-07-01 | PEKISKO F          |
| 0339 642007 2010-04-01 | PEKISKO G          |
| 0339 642008 2008-06-01 | PEKISKO H          |
| 0339 642009 2009-03-01 | PEKISKO I          |
| 0339 642010 2010-04-01 | PEKISKO J          |
| 0339 642011 2012-01-01 | PEKISKO K          |
| 0339 642012 2010-06-01 | PEKISKO L          |
| 0339 642013 2010-06-01 | PEKISKO M          |
| 0339 642014 2013-12-01 | PEKISKO N          |

**POOL DESIGNATION (cont'd)**

|                        |                       |
|------------------------|-----------------------|
| 0339 642015 2010-06-01 | PEKISKO O             |
| 0339 642016 2010-06-01 | PEKISKO P             |
| 0339 642017 2010-06-01 | PEKISKO Q             |
| 0339 642018 2010-06-01 | PEKISKO R             |
| 0339 642019 2010-06-01 | PEKISKO S             |
| 0339 642020 2010-06-01 | PEKISKO T             |
| 0339 642021 2013-08-01 | PEKISKO U             |
| 0339 658001 2010-06-01 | WABAMUN A             |
| 0339 658002 2010-06-01 | WABAMUN B             |
| 0339 658003 2010-06-01 | WABAMUN C             |
| 0339 658004 2010-06-01 | WABAMUN D             |
| 0339 658005 2010-06-01 | WABAMUN E             |
| 0339 658006 2010-06-01 | WABAMUN F             |
| 0339 658008 2016-09-01 | WABAMUN H             |
| 0339 658009 2017-03-01 | WABAMUN I             |
| 0339 660001 2013-03-01 | BIG VALLEY A          |
| 0339 850600 2012-11-01 | MFP8506 BELLY RIVER   |
| 0339 851100 2010-06-01 | MFP8511 VIKING        |
| 0339 854300 2012-11-01 | MFP8543 BSL BELLY RIV |
| 0339 856000 2011-06-01 | MFP8560 BSL BELLY RIV |
| 0339 858600 2017-09-01 | MFP8586 LWR EDMONTON  |
| 0339 960500 2010-03-01 | MFP9605 CBM LARD      |
| 0339 960600 2011-07-01 | MFP9606 CBM CARB      |
| 0339 960700 2017-06-01 | MFP9607 CBM UHSC      |
| 0339 961000 2017-06-01 | MFP9610 CBM DBSL      |
| 0339 961100 2017-06-01 | MFP9611 CBM WNRS      |

**POOL DESIGNATION (cont'd)**

0339 961400 2017-06-01 MFP9614 CBM LETH  
 0339 961500 2013-06-01 MFP9615 CBM TABR  
 0339 961600 2012-06-01 MFP9616 CBM MCKY

**SPACING PATTERN**

SU 4193 18 Jun 2004  
 SU 4193A 21 Jul 2004  
 SU 4193B 20 Aug 2004  
 SU 4193C 20 Sep 2004  
 SU 4193D 13 Oct 2004  
 SU 4193E 10 Jan 2005  
 SU 4193F 1 Feb 2005  
 SU 4193G 18 Feb 2005  
 SU 4193H 13 Apr 2005  
 SU 4193I 26 May 2005  
 SU 4193J 14 Sep 2005  
 SU 4193K 21 Sep 2005  
 SU 4193L 17 Nov 2005  
 SU 4193M 16 Mar 2006  
 SU 4193N 6 Feb 2007  
 SU 4193O 14 Feb 2007  
 SU 4193P 18 Oct 2007

**SUBSURFACE DISPOSAL SCHEMES**

App 9228D 22 Jan 2018  
 Class Ib  
 NAL Resources Limited

**COMPULSORY POOLING**

P 306 19 Oct 2007  
 P 306A 22 Apr 2009  
 P 306B 28 Jun 2016  
 Gas  
 12-028-26W4M  
 Quicksilver Resources Canada Inc.

P 463 9 Jun 2017  
 Gas  
 14-025-27W4M  
 Ember Resources Inc.

**COMMINGLED PRODUCTION**

MU 8806 25 Oct 2016

P 464 28 Jun 2017  
 Gas  
 13-026-27W4M  
 Ember Resources Inc.

**ENHANCED RECOVERY SCHEMES**

App 11549E 21 Nov 2014  
 Waterflood  
 Lower Mannville B  
 Anterra Energy Inc.

**FIELD DESIGNATION**

1073 2009-03-01 ENTWISTLE FIELD

**POOL DESIGNATION**

1073 134001 2007-03-01 BASAL BELLY RIVER A

1073 300002 2009-01-01 GLAUCONITIC B

1073 316001 2005-11-01 OSTRACOD A

1073 444301 2001-02-01 NORDEGG-BANFF A

1073 444302 2005-12-01 NORDEGG-BANFF B



**FIELD DESIGNATION**

0357 2003-12-01                      EQUISETUM FIELD

**POOL DESIGNATION**

0357 658001 2003-12-01              WABAMUN A

0357 658002 2004-01-01              WABAMUN B

0357 658003 2004-02-01              WABAMUN C

0357 772101 2008-06-01              KEG RIVER A

0357 772102 2008-06-01              KEG RIVER B

0357 772103 2008-06-01              KEG RIVER C

0357 772104 2009-12-01              KEG RIVER D

**SPACING PATTERN**

SU 2647              28 Feb 1996

**FIELD DESIGNATION**

0343 2015-07-01                    ERSKINE FIELD

**POOL DESIGNATION**

0343 106002 2010-04-01        EDMONTON B

0343 118802 2010-07-01        LOWER EDMONTON B

0343 118803 2010-04-01        LOWER EDMONTON C

0343 118804 2011-04-01        LOWER EDMONTON D

0343 118805 2014-01-01        LOWER EDMONTON E

0343 126001 2011-02-01        BELLY RIVER A

0343 126007 2001-02-01        BELLY RIVER G

0343 126008 2009-09-01        BELLY RIVER H

0343 126009 2010-04-01        BELLY RIVER I

0343 126010 2001-11-01        BELLY RIVER J

0343 126011 2010-04-01        BELLY RIVER K

0343 126012 2011-04-01        BELLY RIVER L

0343 134003 2010-04-01        BASAL BELLY RIVER C

0343 134004 2011-09-01        BASAL BELLY RIVER D

0343 134005 2010-04-01        BASAL BELLY RIVER E

0343 134006 2010-03-01        BASAL BELLY RIVER F

0343 164001 2014-06-01        MEDICINE HAT A

0343 218001 2001-02-01        VIKING A

0343 218002 2001-02-01        VIKING B

0343 218003 2001-02-01        VIKING C

0343 244000 2007-03-01        BLAIRMORE

0343 244002 2001-02-01        BLAIRMORE B

0343 244003 2001-02-01        BLAIRMORE C

0343 244004 2001-02-01        BLAIRMORE D

0343 244005 2001-02-01        BLAIRMORE E

0343 244006 2001-02-01        BLAIRMORE F

**POOL DESIGNATION (cont'd)**

|                        |              |
|------------------------|--------------|
| 0343 244007 2001-02-01 | BLAIRMORE G  |
| 0343 244008 2001-09-01 | BLAIRMORE H  |
| 0343 244009 2001-02-01 | BLAIRMORE I  |
| 0343 244010 2001-02-01 | BLAIRMORE J  |
| 0343 244013 2010-04-01 | BLAIRMORE M  |
| 0343 244014 2001-02-01 | BLAIRMORE N  |
| 0343 244015 2001-02-01 | BLAIRMORE O  |
| 0343 244016 2004-06-01 | BLAIRMORE P  |
| 0343 244017 2001-02-01 | BLAIRMORE Q  |
| 0343 244018 2001-02-01 | BLAIRMORE R  |
| 0343 244019 2001-02-01 | BLAIRMORE S  |
| 0343 244020 2001-02-01 | BLAIRMORE T  |
| 0343 244021 2001-02-01 | BLAIRMORE U  |
| 0343 244022 2001-02-01 | BLAIRMORE V  |
| 0343 244023 2001-02-01 | BLAIRMORE W  |
| 0343 244024 2001-02-01 | BLAIRMORE X  |
| 0343 244025 2001-02-01 | BLAIRMORE Y  |
| 0343 244026 2001-02-01 | BLAIRMORE Z  |
| 0343 244027 2001-02-01 | BLAIRMORE AA |
| 0343 244028 2001-02-01 | BLAIRMORE BB |
| 0343 244029 2001-02-01 | BLAIRMORE CC |
| 0343 244030 2001-02-01 | BLAIRMORE DD |
| 0343 244031 2001-02-01 | BLAIRMORE EE |
| 0343 244032 2001-02-01 | BLAIRMORE FF |
| 0343 244033 2012-08-01 | BLAIRMORE GG |
| 0343 244034 2010-04-01 | BLAIRMORE HH |
| 0343 244035 2004-07-01 | BLAIRMORE II |
| 0343 244036 2002-09-01 | BLAIRMORE JJ |
| 0343 244037 2002-09-01 | BLAIRMORE KK |
| 0343 244038 2002-09-01 | BLAIRMORE LL |
| 0343 244039 2002-10-01 | BLAIRMORE MM |
| 0343 244040 2002-10-01 | BLAIRMORE NN |
| 0343 244041 2003-01-01 | BLAIRMORE OO |
| 0343 244042 2004-07-01 | BLAIRMORE PP |
| 0343 244043 2005-10-01 | BLAIRMORE QQ |
| 0343 244044 2008-11-01 | BLAIRMORE RR |
| 0343 244045 2010-12-01 | BLAIRMORE SS |
| 0343 244046 2012-07-01 | BLAIRMORE TT |

**POOL DESIGNATION (cont'd)**

|                        |                   |
|------------------------|-------------------|
| 0343 244047 2013-04-01 | BLAIRMORE UU      |
| 0343 244048 2013-04-01 | BLAIRMORE VV      |
| 0343 250001 2001-02-01 | UPPER MANNVILLE A |
| 0343 300001 2001-02-01 | GLAUCONITIC A     |
| 0343 300002 2001-02-01 | GLAUCONITIC B     |
| 0343 300003 2013-07-01 | GLAUCONITIC C     |
| 0343 300004 2001-02-01 | GLAUCONITIC D     |
| 0343 300006 2002-09-01 | GLAUCONITIC F     |
| 0343 300007 2001-02-01 | GLAUCONITIC G     |
| 0343 300008 2001-02-01 | GLAUCONITIC H     |
| 0343 300009 2006-06-01 | GLAUCONITIC I     |
| 0343 300010 2010-04-01 | GLAUCONITIC J     |
| 0343 300011 2001-02-01 | GLAUCONITIC K     |
| 0343 300012 2001-02-01 | GLAUCONITIC L     |
| 0343 300013 2001-02-01 | GLAUCONITIC M     |
| 0343 300014 2010-04-01 | GLAUCONITIC N     |
| 0343 300015 2001-02-01 | GLAUCONITIC O     |
| 0343 300016 2001-02-01 | GLAUCONITIC P     |
| 0343 300017 2001-02-01 | GLAUCONITIC Q     |
| 0343 300018 2001-02-01 | GLAUCONITIC R     |
| 0343 300019 2001-02-01 | GLAUCONITIC S     |
| 0343 300020 2012-07-01 | GLAUCONITIC T     |
| 0343 300021 2001-02-01 | GLAUCONITIC U     |
| 0343 300022 2001-02-01 | GLAUCONITIC V     |
| 0343 300023 2003-06-01 | GLAUCONITIC W     |
| 0343 300025 2010-04-01 | GLAUCONITIC Y     |
| 0343 300026 2002-01-01 | GLAUCONITIC Z     |
| 0343 300028 2007-07-01 | GLAUCONITIC BB    |
| 0343 300029 2008-10-01 | GLAUCONITIC CC    |
| 0343 300030 2009-09-01 | GLAUCONITIC DD    |
| 0343 300031 2012-07-01 | GLAUCONITIC EE    |
| 0343 300032 2013-06-01 | GLAUCONITIC FF    |
| 0343 300033 2013-07-01 | GLAUCONITIC GG    |
| 0343 300034 2013-07-01 | GLAUCONITIC HH    |
| 0343 316001 2012-08-01 | OSTRACOD A        |

**POOL DESIGNATION (cont'd)**

0343 316003 2013-04-01    OSTRACOD C

0343 696000 2013-05-01    D-2  
0343 696002 2001-02-01    D-2 B  
0343 696003 2001-02-01    D-2 C

0343 720000 2010-04-01    D-3  
0343 720002 2001-02-01    D-3 B

0343 853900 2010-04-01    MFP8539 LWR EDMONTON

**SPACING PATTERN**

SU 4158        11 Mar 2004  
SU 4158A      4 Nov 2004  
SU 4158B      2 Dec 2004  
SU 4158C      11 Jan 2005  
SU 4158D      16 Apr 2005  
SU 4158E      2 Aug 2005  
SU 4158F      16 Nov 2005  
SU 4158G      23 Mar 2006  
SU 4158H      19 Apr 2006  
SU 4158I      13 Jul 2006  
SU 4158J      10 Oct 2007

**SUBSURFACE DISPOSAL SCHEMES**

App 9516      11 Aug 2003  
Class II  
Canadian Natural Resources Limited

**COMPULSORY POOLING**

P 39            21 Nov 1974  
Oil or Gas  
16-039-20W4M  
Quasar Petroleum Ltd.

**MISCELLANEOUS ORDERS**

MISC 6201    8 Jan 1962  
Wells in D-2 & D-3 pools  
exempt from sec 20c(3)(a) and (b)  
of Drilling & Production Regs

**COMMINGLED PRODUCTION**

MU 8177      26 Oct 2011

**FIELD DESIGNATION**

0348 2018-08-01 ESTHER FIELD

**POOL DESIGNATION**

0348 126001 2010-04-01 BELLY RIVER A  
0348 126002 2001-02-01 BELLY RIVER B  
0348 126003 2009-07-01 BELLY RIVER C  
0348 126004 2002-08-01 BELLY RIVER D  
0348 126005 2004-12-01 BELLY RIVER E  
0348 126006 2005-05-01 BELLY RIVER F  
0348 126007 2006-10-01 BELLY RIVER G  
0348 126008 2007-02-01 BELLY RIVER H  
0348 126011 2010-11-01 BELLY RIVER K

0348 134001 2009-01-01 BASAL BELLY RIVER A

0348 136001 2009-10-01 VICTORIA A

0348 218002 2010-04-01 VIKING B  
0348 218003 2010-04-01 VIKING C  
0348 218004 2005-06-01 VIKING D  
0348 218005 2015-05-01 VIKING E  
0348 218006 2012-05-01 VIKING F  
0348 218007 2015-12-01 VIKING G  
0348 218009 2008-11-01 VIKING I  
0348 218011 2002-12-01 VIKING K  
0348 218014 2018-03-01 VIKING N  
0348 218015 2013-07-01 VIKING O  
0348 218016 2006-03-01 VIKING P  
0348 218017 2006-06-01 VIKING Q  
0348 218018 2006-10-01 VIKING R  
0348 218022 2018-08-01 VIKING V  
0348 218023 2007-05-01 VIKING W  
0348 218025 2007-10-01 VIKING Y  
0348 218029 2008-12-01 VIKING CC  
0348 218039 2008-11-01 VIKING MM

**POOL DESIGNATION (cont'd)**

|                        |                    |
|------------------------|--------------------|
| 0348 218040 2010-11-01 | VIKING NN          |
| 0348 218044 2012-12-01 | VIKING RR          |
| 0348 218045 2008-12-01 | VIKING SS          |
| 0348 218046 2010-11-01 | VIKING TT          |
| 0348 218047 2010-11-01 | VIKING UU          |
| 0348 218048 2010-12-01 | VIKING VV          |
| 0348 218049 2013-05-01 | VIKING WW          |
| 0348 218051 2012-08-01 | VIKING YY          |
| 0348 218052 2018-08-01 | VIKING ZZ          |
| 0348 220401 2013-05-01 | VIKING AAA         |
| 0348 220402 2013-09-01 | VIKING BBB         |
| 0348 220403 2013-09-01 | VIKING CCC         |
| 0348 220404 2014-01-01 | VIKING DDD         |
| 0348 220405 2014-03-01 | VIKING EEE         |
| 0348 220407 2016-10-01 | VIKING GGG         |
|                        |                    |
| 0348 250001 2001-02-01 | UPPER MANNVILLE A  |
| 0348 250002 2010-04-01 | UPPER MANNVILLE B  |
| 0348 250004 2009-04-01 | UPPER MANNVILLE D  |
| 0348 250005 2010-04-01 | UPPER MANNVILLE E  |
| 0348 250006 2001-02-01 | UPPER MANNVILLE F  |
| 0348 250007 2010-04-01 | UPPER MANNVILLE G  |
| 0348 250008 2001-02-01 | UPPER MANNVILLE H  |
| 0348 250010 2001-02-01 | UPPER MANNVILLE J  |
| 0348 250011 2004-01-01 | UPPER MANNVILLE K  |
| 0348 250014 2001-02-01 | UPPER MANNVILLE N  |
| 0348 250015 2010-04-01 | UPPER MANNVILLE O  |
| 0348 250016 2010-02-01 | UPPER MANNVILLE P  |
| 0348 250018 2010-04-01 | UPPER MANNVILLE R  |
| 0348 250019 2001-02-01 | UPPER MANNVILLE S  |
| 0348 250020 2001-02-01 | UPPER MANNVILLE T  |
| 0348 250021 2001-02-01 | UPPER MANNVILLE U  |
| 0348 250022 2001-02-01 | UPPER MANNVILLE V  |
| 0348 250023 2001-02-01 | UPPER MANNVILLE W  |
| 0348 250024 2010-04-01 | UPPER MANNVILLE X  |
| 0348 250025 2010-04-01 | UPPER MANNVILLE Y  |
| 0348 250026 2001-02-01 | UPPER MANNVILLE Z  |
| 0348 250027 2010-04-01 | UPPER MANNVILLE AA |

**POOL DESIGNATION (cont'd)**

|                        |                     |
|------------------------|---------------------|
| 0348 250028 2003-02-01 | UPPER MANNVILLE BB  |
| 0348 250029 2003-06-01 | UPPER MANNVILLE CC  |
| 0348 250030 2004-03-01 | UPPER MANNVILLE DD  |
| 0348 250031 2003-10-01 | UPPER MANNVILLE EE  |
| 0348 250032 2010-02-01 | UPPER MANNVILLE FF  |
| 0348 250033 2004-01-01 | UPPER MANNVILLE GG  |
| 0348 250034 2004-02-01 | UPPER MANNVILLE HH  |
| 0348 250035 2010-04-01 | UPPER MANNVILLE II  |
| 0348 250036 2004-06-01 | UPPER MANNVILLE JJ  |
| 0348 250037 2004-06-01 | UPPER MANNVILLE KK  |
| 0348 250038 2004-11-01 | UPPER MANNVILLE LL  |
| 0348 250039 2005-02-01 | UPPER MANNVILLE MM  |
| 0348 250040 2005-04-01 | UPPER MANNVILLE NN  |
| 0348 250041 2005-05-01 | UPPER MANNVILLE OO  |
| 0348 250042 2005-07-01 | UPPER MANNVILLE PP  |
| 0348 250043 2005-07-01 | UPPER MANNVILLE QQ  |
| 0348 250044 2006-02-01 | UPPER MANNVILLE RR  |
| 0348 250045 2011-04-01 | UPPER MANNVILLE SS  |
| 0348 250046 2007-05-01 | UPPER MANNVILLE TT  |
| 0348 250047 2008-08-01 | UPPER MANNVILLE UU  |
| 0348 250048 2008-08-01 | UPPER MANNVILLE VV  |
| 0348 250049 2016-06-01 | UPPER MANNVILLE WW  |
| 0348 250050 2008-11-01 | UPPER MANNVILLE XX  |
| 0348 250051 2009-01-01 | UPPER MANNVILLE YY  |
| 0348 250052 2008-11-01 | UPPER MANNVILLE ZZ  |
| 0348 250701 2008-12-01 | UPPER MANNVILLE AAA |
| 0348 250702 2008-12-01 | UPPER MANNVILLE BBB |
| 0348 250703 2009-10-01 | UPPER MANNVILLE CCC |
| 0348 250704 2010-04-01 | UPPER MANNVILLE DDD |
| 0348 250705 2010-01-01 | UPPER MANNVILLE EEE |
| 0348 250706 2010-01-01 | UPPER MANNVILLE FFF |
| 0348 250707 2010-02-01 | UPPER MANNVILLE GGG |
| 0348 250708 2010-04-01 | UPPER MANNVILLE HHH |
| 0348 250709 2010-05-01 | UPPER MANNVILLE III |
| 0348 250710 2010-11-01 | UPPER MANNVILLE JJJ |
| 0348 250711 2010-11-01 | UPPER MANNVILLE KKK |
| 0348 250712 2011-04-01 | UPPER MANNVILLE LLL |
| 0348 250713 2011-12-01 | UPPER MANNVILLE MMM |



**POOL DESIGNATION (cont'd)**

0348 250714 2012-04-01 UPPER MANNVILLE NNN  
0348 250715 2012-08-01 UPPER MANNVILLE OOO  
0348 250716 2013-05-01 UPPER MANNVILLE PPP  
0348 250717 2013-05-01 UPPER MANNVILLE QQQ  
0348 250718 2013-05-01 UPPER MANNVILLE RRR  
0348 250719 2016-01-01 UPPER MANNVILLE SSS

0348 302001 2013-05-01 CUMMINGS A

0348 336001 2001-05-01 ELLERSLIE A

0348 350001 2001-11-01 DETRITAL A  
0348 350002 2005-02-01 DETRITAL B  
0348 350003 2008-11-01 DETRITAL C  
0348 350004 2008-11-01 DETRITAL D  
0348 350005 2010-04-01 DETRITAL E  
0348 350006 2010-03-01 DETRITAL F  
0348 350007 2010-03-01 DETRITAL G  
0348 350008 2010-05-01 DETRITAL H  
0348 350009 2010-06-01 DETRITAL I

0348 644001 2001-08-01 BANFF A  
0348 644002 2001-02-01 BANFF B  
0348 644003 2001-02-01 BANFF C  
0348 644004 2001-02-01 BANFF D  
0348 644005 2010-04-01 BANFF E  
0348 644008 2001-02-01 BANFF H  
0348 644009 2001-02-01 BANFF I  
0348 644010 2001-02-01 BANFF J  
0348 644011 2001-02-01 BANFF K  
0348 644012 2001-02-01 BANFF L  
0348 644013 2001-02-01 BANFF M  
0348 644014 2001-08-01 BANFF N  
0348 644015 2005-02-01 BANFF O

0348 646001 2010-04-01 BAKKEN A  
0348 646002 2001-02-01 BAKKEN B  
0348 646003 2001-02-01 BAKKEN C

**POOL DESIGNATION (cont'd)**

|                        |           |
|------------------------|-----------|
| 0348 646005 2010-04-01 | BAKKEN E  |
| 0348 646007 2001-02-01 | BAKKEN G  |
| 0348 646008 2001-02-01 | BAKKEN H  |
| 0348 646009 2001-02-01 | BAKKEN I  |
| 0348 646010 2001-02-01 | BAKKEN J  |
| 0348 646011 2001-02-01 | BAKKEN K  |
| 0348 646012 2001-02-01 | BAKKEN L  |
| 0348 646013 2001-02-01 | BAKKEN M  |
| 0348 646014 2001-02-01 | BAKKEN N  |
| 0348 646015 2001-02-01 | BAKKEN O  |
| 0348 646016 2001-02-01 | BAKKEN P  |
| 0348 646017 2001-02-01 | BAKKEN Q  |
| 0348 646018 2001-02-01 | BAKKEN R  |
| 0348 646019 2001-02-01 | BAKKEN S  |
| 0348 646020 2001-02-01 | BAKKEN T  |
| 0348 646021 2001-02-01 | BAKKEN U  |
| 0348 646022 2001-02-01 | BAKKEN V  |
| 0348 646023 2001-03-01 | BAKKEN W  |
| 0348 646024 2001-07-01 | BAKKEN X  |
| 0348 646025 2005-01-01 | BAKKEN Y  |
| 0348 646026 2001-12-01 | BAKKEN Z  |
| 0348 646027 2002-02-01 | BAKKEN AA |
| 0348 646028 2002-11-01 | BAKKEN BB |
| 0348 646029 2002-11-01 | BAKKEN CC |
| 0348 646030 2002-09-01 | BAKKEN DD |
| 0348 646031 2010-04-01 | BAKKEN EE |
| 0348 646032 2003-05-01 | BAKKEN FF |
| 0348 646033 2003-05-01 | BAKKEN GG |
| 0348 646034 2003-04-01 | BAKKEN HH |
| 0348 646035 2003-03-01 | BAKKEN II |
| 0348 646036 2003-01-01 | BAKKEN JJ |
| 0348 646037 2004-02-01 | BAKKEN KK |
| 0348 646038 2004-07-01 | BAKKEN LL |
| 0348 646039 2004-06-01 | BAKKEN MM |
| 0348 646040 2004-07-01 | BAKKEN NN |
| 0348 646041 2004-10-01 | BAKKEN OO |
| 0348 646042 2005-07-01 | BAKKEN PP |
| 0348 646043 2006-04-01 | BAKKEN QQ |

**POOL DESIGNATION (cont'd)**

|                        |            |
|------------------------|------------|
| 0348 646044 2006-08-01 | BAKKEN RR  |
| 0348 646045 2006-10-01 | BAKKEN SS  |
| 0348 646046 2007-05-01 | BAKKEN TT  |
| 0348 646047 2007-07-01 | BAKKEN UU  |
| 0348 646048 2008-10-01 | BAKKEN VV  |
| 0348 646049 2009-04-01 | BAKKEN WW  |
| 0348 646050 2009-01-01 | BAKKEN XX  |
| 0348 646051 2013-05-01 | BAKKEN YY  |
| 0348 646052 2013-05-01 | BAKKEN ZZ  |
| 0348 646101 2013-05-01 | BAKKEN AAA |

**SPACING PATTERN**

|          |             |
|----------|-------------|
| SU 4185  | 20 May 2004 |
| SU 4185A | 6 Jul 2005  |
| SU 4185B | 11 Jul 2005 |

**COMMINGLED PRODUCTION**

|         |            |
|---------|------------|
| MU 7456 | 7 Jun 2010 |
|---------|------------|

**SUBSURFACE DISPOSAL SCHEMES**

App 10847E 12 Sep 2017  
Class II  
Obsidian Energy Ltd.

**FIELD DESIGNATION**

0355 2008-01-01                      ETHEL LAKE FIELD

**POOL DESIGNATION**

0355 256003 2001-02-01            COLONY C  
0355 256004 2001-02-01            COLONY D  
0355 256005 2001-02-01            COLONY E  
0355 256006 2001-02-01            COLONY F  
0355 256007 2001-02-01            COLONY G  
0355 256008 2001-03-01            COLONY H  
0355 256009 2008-01-01            COLONY I

0355 262001 2001-02-01            GRAND RAPIDS A  
0355 262002 2006-06-01            GRAND RAPIDS B  
0355 262003 2001-02-01            GRAND RAPIDS C  
0355 262004 2001-02-01            GRAND RAPIDS D  
0355 262005 2010-04-01            GRAND RAPIDS E  
0355 262006 2001-02-01            GRAND RAPIDS F  
0355 262007 2001-02-01            GRAND RAPIDS G  
0355 262008 2006-05-01            GRAND RAPIDS H  
0355 262009 2001-02-01            GRAND RAPIDS I  
0355 262010 2001-02-01            GRAND RAPIDS J  
0355 262011 2001-02-01            GRAND RAPIDS K  
0355 262012 2001-02-01            GRAND RAPIDS L  
0355 262013 2001-02-01            GRAND RAPIDS M  
0355 262014 2001-02-01            GRAND RAPIDS N  
0355 262015 2001-02-01            GRAND RAPIDS O  
0355 262016 2011-11-01            GRAND RAPIDS P  
0355 262017 2001-02-01            GRAND RAPIDS Q  
0355 262018 2001-09-01            GRAND RAPIDS R  
0355 262019 2003-12-01            GRAND RAPIDS S

0355 270001 2010-07-01            WASECA A

0355 280001 2001-02-01            CLEARWATER A

**SPACING PATTERN**

SU 2660      26 Mar 1996

**SUBSURFACE DISPOSAL SCHEMES**

App 4510      20 Jun 1985

App 4510A    13 Aug 1985

App 4510B    20 Dec 1995

App 4510C    13 Feb 1996

App 4510D    16 Jan 2001

App 4510E    20 Mar 2002

App 4510F    20 Jul 2005

Class II

Imperial Oil Resources Limited

**FIELD DESIGNATION**

0358 2014-03-01                      ETZIKOM FIELD

**POOL DESIGNATION**

0358 213001 2010-04-01              BOW ISLAND A

0358 213002 2001-09-01              BOW ISLAND B

0358 332001 2001-02-01              SUNBURST A

0358 332002 2014-03-01              SUNBURST B

0358 428001 2010-04-01              SAWTOOTH A

0358 428002 2001-02-01              SAWTOOTH B

0358 428003 2001-02-01              SAWTOOTH C

**SPACING PATTERN**

SU 4151              5 Feb 2004

SU 4151A             27 Mar 2006

**FIELD DESIGNATION**

1074 2008-05-01                    EUREKA FIELD

**POOL DESIGNATION**

1074 326001 2001-02-01        GETHING A

1074 326002 2007-12-01        GETHING B

1074 500001 2001-02-01        TRIASSIC A

1074 500002 2004-10-01        TRIASSIC B

1074 500003 2005-07-01        TRIASSIC C

1074 524001 2013-07-01        MONTNEY A

1074 556001 2005-06-01        BELLOY A

**FIELD DESIGNATION**

0353 2015-06-01 EVI FIELD

**POOL DESIGNATION**

0353 644001 2012-04-01 BANFF A

0353 758001 2010-04-01 SLAVE POINT A  
0353 758002 2014-02-01 SLAVE POINT B  
0353 758003 2001-02-01 SLAVE POINT C  
0353 758004 2001-02-01 SLAVE POINT D  
0353 758005 2001-02-01 SLAVE POINT E  
0353 758006 2001-02-01 SLAVE POINT F  
0353 758008 2010-04-01 SLAVE POINT H  
0353 758009 2010-04-01 SLAVE POINT I  
0353 758011 2016-01-01 SLAVE POINT K  
0353 758012 2001-02-01 SLAVE POINT L  
0353 758017 2001-02-01 SLAVE POINT Q  
0353 758018 2001-02-01 SLAVE POINT R  
0353 758019 2001-02-01 SLAVE POINT S  
0353 758020 2001-02-01 SLAVE POINT T  
0353 758021 2001-02-01 SLAVE POINT U  
0353 758022 2001-02-01 SLAVE POINT V  
0353 758023 2001-02-01 SLAVE POINT W  
0353 758025 2001-02-01 SLAVE POINT Y  
0353 758026 2001-02-01 SLAVE POINT Z  
0353 758027 2010-04-01 SLAVE POINT AA  
0353 758028 2002-04-01 SLAVE POINT BB  
0353 758029 2002-04-01 SLAVE POINT CC  
0353 758030 2010-10-01 SLAVE POINT DD  
0353 758044 2007-10-01 SLAVE POINT RR  
0353 758049 2008-03-01 SLAVE POINT WW  
0353 758051 2008-03-01 SLAVE POINT YY  
0353 758607 2008-10-01 SLAVE POINT GGG  
0353 758609 2009-05-01 SLAVE POINT III  
0353 758611 2009-04-01 SLAVE POINT KKK  
0353 758612 2011-02-01 SLAVE POINT LLL



**POOL DESIGNATION (cont'd)**

|                        |                 |
|------------------------|-----------------|
| 0353 758617 2012-04-01 | SLAVE POINT QQQ |
| 0353 758618 2012-04-01 | SLAVE POINT RRR |
| 0353 758619 2012-07-01 | SLAVE POINT SSS |
| 0353 758620 2017-11-01 | SLAVE POINT TTT |
| 0353 758621 2017-11-01 | SLAVE POINT UUU |
| 0353 758622 2012-09-01 | SLAVE POINT VVV |
| 0353 758623 2013-03-01 | SLAVE POINT WWW |
| 0353 758624 2013-05-01 | SLAVE POINT XXX |
| 0353 758625 2015-06-01 | SLAVE POINT YYY |
| 0353 758626 2015-06-01 | SLAVE POINT ZZZ |
| 0353 758627 2015-06-01 | SLAVE POINT A2A |
| 0353 758628 2015-06-01 | SLAVE POINT B2B |
| 0353 758629 2015-06-01 | SLAVE POINT C2C |
| 0353 758630 2015-06-01 | SLAVE POINT D2D |
| 0353 758631 2015-06-01 | SLAVE POINT E2E |
| 0353 758632 2015-06-01 | SLAVE POINT F2F |
| 0353 758633 2015-06-01 | SLAVE POINT G2G |
| 0353 758634 2015-06-01 | SLAVE POINT H2H |
| 0353 758635 2015-06-01 | SLAVE POINT I2I |
| 0353 758636 2015-06-01 | SLAVE POINT J2J |
| 0353 758637 2015-06-01 | SLAVE POINT K2K |
| 0353 758638 2015-06-01 | SLAVE POINT L2L |
| 0353 758639 2015-06-01 | SLAVE POINT M2M |
| 0353 758640 2017-04-01 | SLAVE POINT N2N |
| 0353 765501 2008-06-01 | GILWOOD A       |
| 0353 765502 2008-06-01 | GILWOOD B       |
| 0353 765504 2010-04-01 | GILWOOD D       |
| 0353 765507 2008-06-01 | GILWOOD G       |
| 0353 765508 2010-04-01 | GILWOOD H       |
| 0353 765509 2008-06-01 | GILWOOD I       |
| 0353 765510 2008-06-01 | GILWOOD J       |
| 0353 765511 2008-06-01 | GILWOOD K       |
| 0353 765512 2008-06-01 | GILWOOD L       |
| 0353 765515 2010-04-01 | GILWOOD O       |
| 0353 765516 2008-06-01 | GILWOOD P       |
| 0353 765518 2008-06-01 | GILWOOD R       |
| 0353 765519 2008-06-01 | GILWOOD S       |

**POOL DESIGNATION (cont'd)**

|                        |                |
|------------------------|----------------|
| 0353 765520 2008-06-01 | GILWOOD T      |
| 0353 765522 2008-06-01 | GILWOOD V      |
| 0353 765523 2008-06-01 | GILWOOD W      |
| 0353 765524 2010-08-01 | GILWOOD X      |
| 0353 765526 2008-06-01 | GILWOOD Z      |
| 0353 765528 2008-06-01 | GILWOOD BB     |
| 0353 765529 2008-06-01 | GILWOOD CC     |
| 0353 765530 2008-06-01 | GILWOOD DD     |
| 0353 765531 2008-06-01 | GILWOOD EE     |
| 0353 765532 2008-06-01 | GILWOOD FF     |
| 0353 765533 2008-06-01 | GILWOOD GG     |
| 0353 765534 2010-04-01 | GILWOOD HH     |
| 0353 765535 2008-06-01 | GILWOOD II     |
| 0353 765536 2008-06-01 | GILWOOD JJ     |
| 0353 765537 2008-06-01 | GILWOOD KK     |
| 0353 765538 2008-06-01 | GILWOOD LL     |
| 0353 765539 2010-06-01 | GILWOOD MM     |
| 0353 765540 2008-06-01 | GILWOOD NN     |
| 0353 765541 2012-02-01 | GILWOOD OO     |
| 0353 765542 2008-06-01 | GILWOOD PP     |
| 0353 765543 2009-06-01 | GILWOOD QQ     |
| 0353 765544 2010-12-01 | GILWOOD RR     |
| 0353 765545 2010-04-01 | GILWOOD SS     |
| 0353 765546 2011-03-01 | GILWOOD TT     |
| 0353 765547 2011-02-01 | GILWOOD UU     |
| 0353 765548 2017-03-01 | GILWOOD VV     |
| 0353 765549 2012-04-01 | GILWOOD WW     |
| 0353 765550 2012-02-01 | GILWOOD XX     |
| 0353 765551 2012-02-01 | GILWOOD YY     |
| 0353 765552 2012-02-01 | GILWOOD ZZ     |
| 0353 765601 2016-01-01 | GILWOOD AAA    |
| 0353 772101 2009-12-01 | KEG RIVER A    |
| 0353 772102 2010-04-01 | KEG RIVER B    |
| 0353 797507 2011-05-01 | GRANITE WASH G |
| 0353 797508 2008-06-01 | GRANITE WASH H |
| 0353 797509 2008-06-01 | GRANITE WASH I |

**POOL DESIGNATION (cont'd)**

|                        |                  |
|------------------------|------------------|
| 0353 797511 2008-06-01 | GRANITE WASH K   |
| 0353 797512 2008-06-01 | GRANITE WASH L   |
| 0353 797513 2008-06-01 | GRANITE WASH M   |
| 0353 797514 2010-04-01 | GRANITE WASH N   |
| 0353 797516 2008-06-01 | GRANITE WASH P   |
| 0353 797518 2008-06-01 | GRANITE WASH R   |
| 0353 797519 2008-06-01 | GRANITE WASH S   |
| 0353 797520 2008-06-01 | GRANITE WASH T   |
| 0353 797521 2008-06-01 | GRANITE WASH U   |
| 0353 797522 2010-04-01 | GRANITE WASH V   |
| 0353 797523 2008-06-01 | GRANITE WASH W   |
| 0353 797524 2008-06-01 | GRANITE WASH X   |
| 0353 797525 2008-06-01 | GRANITE WASH Y   |
| 0353 797526 2008-06-01 | GRANITE WASH Z   |
| 0353 797527 2008-06-01 | GRANITE WASH AA  |
| 0353 797528 2008-06-01 | GRANITE WASH BB  |
| 0353 797529 2008-06-01 | GRANITE WASH CC  |
| 0353 797531 2008-06-01 | GRANITE WASH EE  |
| 0353 797532 2008-06-01 | GRANITE WASH FF  |
| 0353 797533 2012-09-01 | GRANITE WASH GG  |
| 0353 797535 2008-06-01 | GRANITE WASH II  |
| 0353 797537 2008-06-01 | GRANITE WASH KK  |
| 0353 797539 2008-06-01 | GRANITE WASH MM  |
| 0353 797540 2008-06-01 | GRANITE WASH NN  |
| 0353 797541 2008-06-01 | GRANITE WASH OO  |
| 0353 797542 2008-06-01 | GRANITE WASH PP  |
| 0353 797544 2008-06-01 | GRANITE WASH RR  |
| 0353 797545 2008-06-01 | GRANITE WASH SS  |
| 0353 797546 2008-06-01 | GRANITE WASH TT  |
| 0353 797547 2008-06-01 | GRANITE WASH UU  |
| 0353 797548 2008-06-01 | GRANITE WASH VV  |
| 0353 797549 2008-06-01 | GRANITE WASH WW  |
| 0353 797550 2008-06-01 | GRANITE WASH XX  |
| 0353 797551 2008-06-01 | GRANITE WASH YY  |
| 0353 797552 2008-06-01 | GRANITE WASH ZZ  |
| 0353 797601 2008-06-01 | GRANITE WASH AAA |
| 0353 797602 2008-06-01 | GRANITE WASH BBB |
| 0353 797603 2008-06-01 | GRANITE WASH CCC |

**POOL DESIGNATION (cont'd)**

|                        |                  |
|------------------------|------------------|
| 0353 797604 2008-06-01 | GRANITE WASH DDD |
| 0353 797605 2008-06-01 | GRANITE WASH EEE |
| 0353 797606 2008-06-01 | GRANITE WASH FFF |
| 0353 797607 2008-06-01 | GRANITE WASH GGG |
| 0353 797608 2008-06-01 | GRANITE WASH HHH |
| 0353 797609 2008-06-01 | GRANITE WASH III |
| 0353 797610 2010-04-01 | GRANITE WASH JJJ |
| 0353 797611 2008-06-01 | GRANITE WASH KKK |
| 0353 797612 2008-06-01 | GRANITE WASH LLL |
| 0353 797613 2008-06-01 | GRANITE WASH MMM |
| 0353 797614 2008-06-01 | GRANITE WASH NNN |
| 0353 797615 2008-06-01 | GRANITE WASH OOO |
| 0353 797616 2008-06-01 | GRANITE WASH PPP |
| 0353 797617 2008-10-01 | GRANITE WASH QQQ |
| 0353 797618 2008-11-01 | GRANITE WASH RRR |
| 0353 797619 2009-04-01 | GRANITE WASH SSS |
| 0353 797620 2011-01-01 | GRANITE WASH TTT |
| 0353 797621 2011-03-01 | GRANITE WASH UUU |
| 0353 797622 2011-12-01 | GRANITE WASH VVV |
| 0353 797623 2012-01-01 | GRANITE WASH WWW |
| 0353 797624 2012-04-01 | GRANITE WASH XXX |
| 0353 797625 2012-04-01 | GRANITE WASH YYY |
| 0353 797626 2012-04-01 | GRANITE WASH ZZZ |
| 0353 797627 2012-04-01 | GRANITE WASH A2A |
| 0353 797628 2012-04-01 | GRANITE WASH B2B |
| 0353 797629 2012-04-01 | GRANITE WASH C2C |
| 0353 797630 2012-04-01 | GRANITE WASH D2D |
| 0353 797631 2012-04-01 | GRANITE WASH E2E |
| 0353 797632 2012-04-01 | GRANITE WASH F2F |
| 0353 797633 2012-04-01 | GRANITE WASH G2G |
| 0353 797634 2012-04-01 | GRANITE WASH H2H |
| 0353 797635 2012-04-01 | GRANITE WASH I2I |
| 0353 797636 2012-04-01 | GRANITE WASH J2J |
| 0353 797637 2012-04-01 | GRANITE WASH K2K |
| 0353 797638 2012-04-01 | GRANITE WASH L2L |
| 0353 797639 2012-04-01 | GRANITE WASH M2M |
| 0353 797640 2012-04-01 | GRANITE WASH N2N |
| 0353 797641 2012-04-01 | GRANITE WASH O2O |

**POOL DESIGNATION (cont'd)**

|                        |                  |
|------------------------|------------------|
| 0353 797642 2012-04-01 | GRANITE WASH P2P |
| 0353 797643 2012-04-01 | GRANITE WASH Q2Q |
| 0353 797644 2012-04-01 | GRANITE WASH R2R |
| 0353 797645 2012-04-01 | GRANITE WASH S2S |
| 0353 797646 2012-04-01 | GRANITE WASH T2T |
| 0353 797647 2012-04-01 | GRANITE WASH U2U |
| 0353 797648 2012-04-01 | GRANITE WASH V2V |
| 0353 797649 2012-04-01 | GRANITE WASH W2W |
| 0353 797650 2012-04-01 | GRANITE WASH X2X |
| 0353 797651 2012-04-01 | GRANITE WASH Y2Y |
| 0353 797652 2012-04-01 | GRANITE WASH Z2Z |
| 0353 797701 2012-04-01 | GRANITE WASH A3A |
| 0353 797702 2012-04-01 | GRANITE WASH B3B |
| 0353 797703 2012-04-01 | GRANITE WASH C3C |
| 0353 797704 2012-04-01 | GRANITE WASH D3D |
| 0353 797705 2012-04-01 | GRANITE WASH E3E |
| 0353 797706 2012-04-01 | GRANITE WASH F3F |
| 0353 797707 2012-04-01 | GRANITE WASH G3G |
| 0353 797708 2012-04-01 | GRANITE WASH H3H |
| 0353 797709 2012-04-01 | GRANITE WASH I3I |
| 0353 797710 2012-04-01 | GRANITE WASH J3J |
| 0353 797711 2012-04-01 | GRANITE WASH K3K |
| 0353 797712 2012-04-01 | GRANITE WASH L3L |
| 0353 797713 2012-04-01 | GRANITE WASH M3M |
| 0353 797714 2012-04-01 | GRANITE WASH N3N |
| 0353 797715 2012-04-01 | GRANITE WASH O3O |
| 0353 797716 2012-04-01 | GRANITE WASH P3P |
| 0353 797717 2012-04-01 | GRANITE WASH Q3Q |
| 0353 797718 2012-04-01 | GRANITE WASH R3R |
| 0353 797719 2012-12-01 | GRANITE WASH S3S |
| 0353 797720 2015-02-01 | GRANITE WASH T3T |
| 0353 797721 2015-06-01 | GRANITE WASH U3U |
| 0353 797722 2015-06-01 | GRANITE WASH V3V |
| 0353 797723 2015-06-01 | GRANITE WASH W3W |
| 0353 797724 2015-06-01 | GRANITE WASH X3X |
| 0353 797725 2015-06-01 | GRANITE WASH Y3Y |
| 0353 797726 2015-06-01 | GRANITE WASH Z3Z |
| 0353 797727 2015-06-01 | GRANITE WASH A4A |

**POOL DESIGNATION (cont'd)**

|                        |                  |
|------------------------|------------------|
| 0353 797728 2015-06-01 | GRANITE WASH B4B |
| 0353 797729 2015-06-01 | GRANITE WASH C4C |
| 0353 797730 2015-06-01 | GRANITE WASH D4D |
| 0353 797731 2015-06-01 | GRANITE WASH E4E |
| 0353 797732 2015-06-01 | GRANITE WASH F4F |
| 0353 797733 2015-06-01 | GRANITE WASH G4G |
| 0353 797734 2015-06-01 | GRANITE WASH H4H |
| 0353 797735 2015-06-01 | GRANITE WASH I4I |

**SPACING PATTERN**

|          |             |
|----------|-------------|
| SU 3087  | 8 Feb 2002  |
| SU 3087A | 26 Mar 2002 |
| SU 3087B | 12 Apr 2002 |
| SU 3087C | 30 Aug 2002 |
| SU 3087D | 10 Feb 2003 |
| SU 3087E | 16 Apr 2007 |

**COMMINGLED PRODUCTION**

|         |             |
|---------|-------------|
| MU 8826 | 21 Feb 2018 |
|---------|-------------|

**ENHANCED RECOVERY SCHEMES**

App 11339F 8 Feb 2017  
Waterflood  
Slave Point K  
Prairie Provident Resources Canada Ltd.

App 11878D 19 Apr 2017  
Waterflood  
Slave Point K  
Mount Bastion Oil & Gas Corp.

App 11921B 11 Apr 2017  
Waterflood  
Slave Point K  
Prairie Provident Resources Canada Ltd.

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

App 12018C 11 Apr 2017  
Waterflood  
Slave Point K  
Prairie Provident Resources Canada Ltd.

App 12019B 11 Apr 2017  
Waterflood  
Slave Point K  
Prairie Provident Resources Canada Ltd.

App 12030C 11 Apr 2017  
Waterflood  
Slave Point K  
Prairie Provident Resources Canada Ltd.

App 12031C 11 Apr 2017  
Waterflood  
Slave Point K  
Prairie Provident Resources Canada Ltd.

App 12126E 19 Apr 2017  
Waterflood  
Slave Point K  
Mount Bastion Oil & Gas Corp.

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

App 12146G 7 Feb 2018  
Waterflood  
Slave Point K  
Prairie Provident Resources Canada Ltd.

App 12184C 19 Apr 2017  
Waterflood  
Slave Point K  
Mount Bastion Oil & Gas Corp.

App 12613 1 May 2017  
Waterflood  
Slave Point K  
Mount Bastion Oil & Gas Corp.

App 12696 13 Mar 2018  
Waterflood  
Slave Point K  
Prairie Provident Resources Canada Ltd.

**SUBSURFACE DISPOSAL SCHEMES**

App 11783D 15 Jun 2017  
Class II  
Prairie Provident Resources Canada Ltd.

App 10949C 30 May 2016  
Class II  
Mount Bastion Oil & Gas Corp.

App 11081F 18 Sep 2015  
Class II  
Harvest Operations Corp.

**FIELD DESIGNATION**

0362 2015-07-01 EWING LAKE FIELD

**POOL DESIGNATION**

0362 118801 2011-02-01 LOWER EDMONTON A  
0362 118803 2010-09-01 LOWER EDMONTON C  
0362 118804 2011-12-01 LOWER EDMONTON D  
0362 118805 2014-07-01 LOWER EDMONTON E  
0362 118806 2015-01-01 LOWER EDMONTON F

0362 126005 2006-07-01 BELLY RIVER E  
0362 126008 2010-04-01 BELLY RIVER H  
0362 126010 2007-12-01 BELLY RIVER J  
0362 126011 2008-01-01 BELLY RIVER K  
0362 126012 2010-07-01 BELLY RIVER L  
0362 126013 2010-04-01 BELLY RIVER M  
0362 126015 2011-12-01 BELLY RIVER O  
0362 126016 2012-03-01 BELLY RIVER P  
0362 126017 2012-05-01 BELLY RIVER Q

0362 134003 2010-05-01 BASAL BELLY RIVER C  
0362 134004 2012-03-01 BASAL BELLY RIVER D

0362 250001 2001-02-01 UPPER MANNVILLE A  
0362 250002 2003-10-01 UPPER MANNVILLE B  
0362 250003 2006-07-01 UPPER MANNVILLE C  
0362 250004 2006-10-01 UPPER MANNVILLE D  
0362 250005 2007-07-01 UPPER MANNVILLE E  
0362 250006 2010-04-01 UPPER MANNVILLE F  
0362 250007 2010-04-01 UPPER MANNVILLE G  
0362 250008 2011-07-01 UPPER MANNVILLE H  
0362 250009 2015-09-01 UPPER MANNVILLE I

0362 336001 2001-02-01 ELLERSLIE A

0362 658002 2004-11-01 D-1 B



**POOL DESIGNATION (cont'd)**

0362 658003 2005-12-01 D-1 C  
0362 658004 2006-08-01 D-1 D  
0362 658005 2014-02-01 D-1 E

0362 696003 2001-09-01 D-2 C  
0362 696004 2010-04-01 D-2 D  
0362 696005 2001-02-01 D-2 E  
0362 696006 2001-02-01 D-2 F  
0362 696008 2002-09-01 D-2 H  
0362 696009 2013-06-01 D-2 I

0362 720001 2010-04-01 D-3 A  
0362 720002 2001-02-01 D-3 B  
0362 720003 2001-02-01 D-3 C

0362 850600 2011-08-01 MFP8506 BELLY RIVER

0362 853500 2011-02-01 MFP8535 BSL BELLY RIV

**SPACING PATTERN**

SU 4120 13 Nov 2003  
SU 4120A 11 Jan 2005  
SU 4120B 17 Mar 2005  
SU 4120C 18 Apr 2005  
SU 4120D 14 Sep 2005  
SU 4120E 1 Nov 2005  
SU 4120F 11 Jan 2006  
SU 4120G 24 Feb 2006  
SU 4120H 27 Jun 2006  
SU 4120J 7 Nov 2006  
SU 4120K 3 Oct 2007

**COMMINGLED PRODUCTION**

MU 8171 25 Oct 2011

**SUBSURFACE DISPOSAL SCHEMES**

App 5928A 28 Jul 2014  
Class II  
Pengrowth Energy Corporation

App 6402A 23 Apr 2012  
Class II  
Bears paw Petroleum Ltd.

**MISCELLANEOUS ORDERS**

MISC 7004 1 Jun 1970  
Batteries comply with sec. 604 of regs.

**COMPULSORY POOLING**

P 169            15 Jul 1998  
P 169A          23 Nov 1998  
Gas  
32-036-20W4M  
Bears paw Petroleum Ltd.

P 290            26 Oct 2005  
Gas  
13-037-21W4M  
Bears paw Petroleum Ltd.

**FIELD DESIGNATION**

0364 2001-02-01 EXCELSIOR FIELD

**POOL DESIGNATION**

0364 134001 2010-04-01 BASAL BELLY RIVER A  
0364 134002 2005-06-01 BASAL BELLY RIVER B  
0364 134003 2005-06-01 BASAL BELLY RIVER C  
0364 134004 2005-06-01 BASAL BELLY RIVER D  
0364 134005 2005-06-01 BASAL BELLY RIVER E

0364 218001 2001-02-01 VIKING A  
0364 218003 2001-02-01 VIKING C

0364 248001 2001-02-01 MANNVILLE A  
0364 248002 2001-02-01 MANNVILLE B  
0364 248003 2002-04-01 MANNVILLE C  
0364 248006 2001-02-01 MANNVILLE F  
0364 248007 2001-02-01 MANNVILLE G  
0364 248010 2001-02-01 MANNVILLE J  
0364 248011 2010-04-01 MANNVILLE K  
0364 248012 2013-05-01 MANNVILLE L

0364 696000 2010-04-01 D-2

**SPACING PATTERN**

SU 2434 7 Dec 1995

**EXEMPTION FROM GAS  
MEASUREMENT**

GE 28 9 Dec 1983

D-2

**SUBSURFACE DISPOSAL SCHEMES**

App 6750B 27 Apr 2012  
Class II  
Baytex Energy Ltd.

**FIELD DESIGNATION**

1077 2008-07-01           EXPANSE FIELD

**POOL DESIGNATION**

1077 304001 2001-02-01   BLUESKY A

1077 304003 2008-11-01   BLUESKY C

1077 326001 2001-02-01   GETHING A

1077 326002 2003-06-01   GETHING B

1077 326004 2004-10-01   GETHING D

1077 326005 2008-11-01   GETHING E

1077 326006 2014-06-01   GETHING F

1077 765501 2008-06-01   GILWOOD A

1077 765502 2008-06-01   GILWOOD B

1077 765503 2008-12-01   GILWOOD C

**SPACING PATTERN**

SU 2966       14 Mar 2000

**COMMINGLED PRODUCTION**

MU 8632       30 May 2014

**SUBSURFACE DISPOSAL SCHEMES**

App 9470B     6 Jan 2017

Class II

Sydco Energy Inc.

**INDEX OF AER ORDERS AND APPROVALS**

**EYE**

**EYEHILL FIELD**

**0326**

**January 2019**

**Page 1 of 1**

---

**FIELD DESIGNATION**

0326 2008-02-01                      EYEHILL FIELD

**POOL DESIGNATION**

0326 256001 2007-10-01            COLONY A

0326 256002 2008-02-01            COLONY B

0326 256003 2008-02-01            COLONY C

0326 256004 2008-02-01            COLONY D

0326 268001 2006-05-01            MCLAREN A

0326 268002 2008-01-01            MCLAREN B

**SPACING PATTERN**

SU 2662            26 Mar 1996

**FIELD DESIGNATION**

0365 2015-06-01 EYREMORE FIELD

**POOL DESIGNATION**

0365 126024 2007-12-01 BELLY RIVER X  
0365 126025 2007-12-01 BELLY RIVER Y  
0365 126026 2008-02-01 BELLY RIVER Z  
0365 126027 2010-04-01 BELLY RIVER AA  
0365 126028 2010-04-01 BELLY RIVER BB  
0365 126029 2008-08-01 BELLY RIVER CC  
0365 126030 2010-11-01 BELLY RIVER DD  
0365 126310 2011-01-01 BELLY RIVER JJJ  
0365 126311 2011-01-01 BELLY RIVER KKK  
0365 126312 2011-01-01 BELLY RIVER LLL  
0365 126313 2011-01-01 BELLY RIVER MMM  
0365 126314 2011-01-01 BELLY RIVER NNN  
0365 126315 2013-07-01 BELLY RIVER OOO

0365 160001 2003-02-01 COLORADO A  
0365 160002 2005-12-01 COLORADO B  
0365 160003 2007-12-01 COLORADO C  
0365 160004 2009-12-01 COLORADO D  
0365 160005 2010-11-01 COLORADO E  
0365 160006 2011-01-01 COLORADO F  
0365 160007 2014-05-01 COLORADO G

0365 162001 2005-12-01 FIRST WHITE SPECKS A  
0365 162002 2005-12-01 FIRST WHITE SPECKS B  
0365 162004 2011-01-01 FIRST WHITE SPECKS D

0365 186002 2011-01-01 SECOND WHITE SPECKS B  
0365 186004 2005-12-01 SECOND WHITE SPECKS D

0365 202001 2009-04-01 FISH SCALE A  
0365 202002 2011-01-01 FISH SCALE B  
0365 202003 2012-09-01 FISH SCALE C

**POOL DESIGNATION (cont'd)**

|                        |                   |
|------------------------|-------------------|
| 0365 213001 2014-01-01 | BOW ISLAND A      |
| 0365 213002 2008-10-01 | BOW ISLAND B      |
| 0365 213003 2001-02-01 | BOW ISLAND C      |
| 0365 213004 2001-02-01 | BOW ISLAND D      |
| 0365 213005 2001-02-01 | BOW ISLAND E      |
| 0365 213006 2001-02-01 | BOW ISLAND F      |
| 0365 213007 2001-02-01 | BOW ISLAND G      |
| 0365 213009 2001-02-01 | BOW ISLAND I      |
| 0365 213010 2006-12-01 | BOW ISLAND J      |
| 0365 213011 2001-02-01 | BOW ISLAND K      |
| 0365 213012 2001-02-01 | BOW ISLAND L      |
| 0365 213013 2010-04-01 | BOW ISLAND M      |
| 0365 213014 2010-04-01 | BOW ISLAND N      |
| 0365 213015 2010-04-01 | BOW ISLAND O      |
| 0365 213016 2010-04-01 | BOW ISLAND P      |
| 0365 213017 2002-05-01 | BOW ISLAND Q      |
| 0365 213018 2002-10-01 | BOW ISLAND R      |
| 0365 213019 2002-10-01 | BOW ISLAND S      |
| 0365 213020 2012-01-01 | BOW ISLAND T      |
| 0365 213021 2003-10-01 | BOW ISLAND U      |
| 0365 213022 2010-04-01 | BOW ISLAND V      |
| 0365 213023 2010-04-01 | BOW ISLAND W      |
| 0365 213024 2005-09-01 | BOW ISLAND X      |
| 0365 213025 2009-08-01 | BOW ISLAND Y      |
| 0365 213026 2010-02-01 | BOW ISLAND Z      |
| 0365 213027 2013-04-01 | BOW ISLAND AA     |
| 0365 250002 2001-02-01 | UPPER MANNVILLE B |
| 0365 250004 2001-02-01 | UPPER MANNVILLE D |
| 0365 250005 2010-10-01 | UPPER MANNVILLE E |
| 0365 250006 2001-02-01 | UPPER MANNVILLE F |
| 0365 250009 2002-02-01 | UPPER MANNVILLE I |
| 0365 250010 2002-06-01 | UPPER MANNVILLE J |
| 0365 250011 2002-06-01 | UPPER MANNVILLE K |
| 0365 250012 2002-11-01 | UPPER MANNVILLE L |
| 0365 250013 2007-06-01 | UPPER MANNVILLE M |
| 0365 250014 2007-06-01 | UPPER MANNVILLE N |
| 0365 250015 2003-02-01 | UPPER MANNVILLE O |

**POOL DESIGNATION (cont'd)**

|                        |                     |
|------------------------|---------------------|
| 0365 250016 2003-03-01 | UPPER MANNVILLE P   |
| 0365 250017 2003-07-01 | UPPER MANNVILLE Q   |
| 0365 250018 2014-11-01 | UPPER MANNVILLE R   |
| 0365 250019 2003-09-01 | UPPER MANNVILLE S   |
| 0365 250023 2004-05-01 | UPPER MANNVILLE W   |
| 0365 250024 2010-04-01 | UPPER MANNVILLE X   |
| 0365 250025 2010-04-01 | UPPER MANNVILLE Y   |
| 0365 250026 2004-08-01 | UPPER MANNVILLE Z   |
| 0365 250027 2004-11-01 | UPPER MANNVILLE AA  |
| 0365 250028 2004-11-01 | UPPER MANNVILLE BB  |
| 0365 250029 2005-02-01 | UPPER MANNVILLE CC  |
| 0365 250030 2005-05-01 | UPPER MANNVILLE DD  |
| 0365 250031 2005-06-01 | UPPER MANNVILLE EE  |
| 0365 250032 2005-06-01 | UPPER MANNVILLE FF  |
| 0365 250033 2005-07-01 | UPPER MANNVILLE GG  |
| 0365 250034 2005-09-01 | UPPER MANNVILLE HH  |
| 0365 250035 2006-05-01 | UPPER MANNVILLE II  |
| 0365 250036 2006-05-01 | UPPER MANNVILLE JJ  |
| 0365 250037 2006-06-01 | UPPER MANNVILLE KK  |
| 0365 250038 2006-07-01 | UPPER MANNVILLE LL  |
| 0365 250039 2007-04-01 | UPPER MANNVILLE MM  |
| 0365 250040 2007-04-01 | UPPER MANNVILLE NN  |
| 0365 250041 2018-07-01 | UPPER MANNVILLE OO  |
| 0365 250042 2006-12-01 | UPPER MANNVILLE PP  |
| 0365 250043 2011-06-01 | UPPER MANNVILLE QQ  |
| 0365 250044 2007-07-01 | UPPER MANNVILLE RR  |
| 0365 250045 2008-01-01 | UPPER MANNVILLE SS  |
| 0365 250046 2010-04-01 | UPPER MANNVILLE TT  |
| 0365 250047 2010-04-01 | UPPER MANNVILLE UU  |
| 0365 250048 2010-04-01 | UPPER MANNVILLE VV  |
| 0365 250049 2008-07-01 | UPPER MANNVILLE WW  |
| 0365 250050 2008-07-01 | UPPER MANNVILLE XX  |
| 0365 250051 2010-04-01 | UPPER MANNVILLE YY  |
| 0365 250052 2010-01-01 | UPPER MANNVILLE ZZ  |
| 0365 250702 2009-01-01 | UPPER MANNVILLE BBB |
| 0365 250703 2009-02-01 | UPPER MANNVILLE CCC |
| 0365 250704 2010-01-01 | UPPER MANNVILLE DDD |
| 0365 250706 2009-05-01 | UPPER MANNVILLE FFF |



**POOL DESIGNATION (cont'd)**

|                        |                     |
|------------------------|---------------------|
| 0365 250707 2009-08-01 | UPPER MANNVILLE GGG |
| 0365 250708 2009-09-01 | UPPER MANNVILLE HHH |
| 0365 250709 2009-12-01 | UPPER MANNVILLE III |
| 0365 250710 2010-02-01 | UPPER MANNVILLE JJJ |
| 0365 250711 2010-03-01 | UPPER MANNVILLE KKK |
| 0365 250712 2010-04-01 | UPPER MANNVILLE LLL |
| 0365 250713 2010-04-01 | UPPER MANNVILLE MMM |
| 0365 250714 2012-12-01 | UPPER MANNVILLE NNN |
| 0365 250715 2014-02-01 | UPPER MANNVILLE OOO |
|                        |                     |
| 0365 310001 2001-02-01 | LOWER MANNVILLE A   |
| 0365 310002 2001-02-01 | LOWER MANNVILLE B   |
| 0365 310003 2001-02-01 | LOWER MANNVILLE C   |
| 0365 310004 2001-03-01 | LOWER MANNVILLE D   |
| 0365 310005 2002-02-01 | LOWER MANNVILLE E   |
| 0365 310006 2009-08-01 | LOWER MANNVILLE F   |
| 0365 310007 2002-06-01 | LOWER MANNVILLE G   |
| 0365 310008 2004-12-01 | LOWER MANNVILLE H   |
| 0365 310009 2005-08-01 | LOWER MANNVILLE I   |
| 0365 310010 2005-09-01 | LOWER MANNVILLE J   |
| 0365 310011 2006-04-01 | LOWER MANNVILLE K   |
| 0365 310012 2010-04-01 | LOWER MANNVILLE L   |
| 0365 310013 2007-07-01 | LOWER MANNVILLE M   |
| 0365 310014 2010-04-01 | LOWER MANNVILLE N   |
| 0365 310015 2008-10-01 | LOWER MANNVILLE O   |
| 0365 310016 2009-01-01 | LOWER MANNVILLE P   |
| 0365 310017 2009-01-01 | LOWER MANNVILLE Q   |
| 0365 310018 2010-05-01 | LOWER MANNVILLE R   |
| 0365 310019 2016-02-01 | LOWER MANNVILLE S   |
|                        |                     |
| 0365 642001 2010-06-01 | PEKISKO A           |
|                        |                     |
| 0365 850100 2016-01-01 | MFP8501 MILK RIVER  |
|                        |                     |
| 0365 850200 2016-01-01 | MFP8502 MED HAT     |
|                        |                     |
| 0365 850500 2015-06-01 | MFP8505 2WS         |

**POOL DESIGNATION (cont'd)**

0365 854300 2016-01-01      MFP8543 BSL BELLY RIV

**SPACING PATTERN**

SU 4174      16 Apr 2004  
SU 4174A     12 May 2004  
SU 4174B     21 Jul 2004  
SU 4174C     18 Apr 2005  
SU 4174D     18 Aug 2005

**COMMINGLED PRODUCTION**

MU 7759      9 Mar 2011