

**FIELD DESIGNATION**

0590 2008-03-01 MAJEAU FIELD

**POOL DESIGNATION**

0590 218001 2001-03-01 VIKING A  
0590 218002 2008-03-01 VIKING B

0590 250001 2006-08-01 UPPER MANNVILLE A  
0590 250002 2001-02-01 UPPER MANNVILLE B  
0590 250003 2011-08-01 UPPER MANNVILLE C  
0590 250005 2002-11-01 UPPER MANNVILLE E  
0590 250006 2006-09-01 UPPER MANNVILLE F  
0590 250007 2007-06-01 UPPER MANNVILLE G  
0590 250008 2008-03-01 UPPER MANNVILLE H

0590 300001 2001-02-01 GLAUCONITIC A  
0590 300002 2001-02-01 GLAUCONITIC B  
0590 300003 2010-04-01 GLAUCONITIC C  
0590 300004 2001-02-01 GLAUCONITIC D  
0590 300005 2002-05-01 GLAUCONITIC E  
0590 300006 2009-01-01 GLAUCONITIC F  
0590 300007 2013-03-01 GLAUCONITIC G

0590 310001 2001-02-01 LOWER MANNVILLE A  
0590 310002 2001-02-01 LOWER MANNVILLE B  
0590 310003 2001-02-01 LOWER MANNVILLE C  
0590 310004 2001-02-01 LOWER MANNVILLE D  
0590 310005 2011-05-01 LOWER MANNVILLE E  
0590 310006 2010-04-01 LOWER MANNVILLE F  
0590 310007 2001-02-01 LOWER MANNVILLE G  
0590 310008 2001-02-01 LOWER MANNVILLE H  
0590 310009 2010-11-01 LOWER MANNVILLE I  
0590 310010 2001-02-01 LOWER MANNVILLE J  
0590 310011 2001-02-01 LOWER MANNVILLE K  
0590 310012 2005-09-01 LOWER MANNVILLE L  
0590 310013 2006-08-01 LOWER MANNVILLE M

**POOL DESIGNATION (cont'd)**

0590 310014 2010-12-01 LOWER MANNVILLE N  
0590 310015 2010-04-01 LOWER MANNVILLE O  
0590 310016 2008-10-01 LOWER MANNVILLE P  
0590 310017 2009-01-01 LOWER MANNVILLE Q  
0590 310018 2009-02-01 LOWER MANNVILLE R  
0590 310019 2009-07-01 LOWER MANNVILLE S

0590 312001 2005-10-01 OSTRACOD A

0590 644001 2001-02-01 BANFF A  
0590 644002 2001-02-01 BANFF B  
0590 644003 2001-02-01 BANFF C  
0590 644004 2001-02-01 BANFF D  
0590 644005 2001-02-01 BANFF E  
0590 644006 2010-04-01 BANFF F  
0590 644007 2007-11-01 BANFF G  
0590 644008 2004-09-01 BANFF H  
0590 644009 2001-02-01 BANFF I  
0590 644010 2001-02-01 BANFF J  
0590 644011 2008-08-01 BANFF K  
0590 644012 2008-08-01 BANFF L

0590 658001 2001-02-01 WABAMUN A  
0590 658002 2001-02-01 WABAMUN B

**SPACING PATTERN**

SU 4312 4 Apr 2006

**COMMINGLED PRODUCTION**

MU 5562 28 Apr 2006

**COMPULSORY POOLING**

P 310 20 Nov 2006  
P 310A 17 Apr 2009  
P 310B 5 Mar 2012  
P 310C 12 Aug 2013  
Gas  
30-057-02W5M  
Alston Energy Inc.

**FIELD DESIGNATION**

0591 2014-06-01 MAJORVILLE FIELD

**POOL DESIGNATION**

0591 126025 2003-02-01 BELLY RIVER Y  
0591 126033 2011-01-01 BELLY RIVER GG

0591 162001 2011-02-01 FIRST WHITE SPECKS A  
0591 162002 2007-06-01 FIRST WHITE SPECKS B  
0591 162003 2011-03-01 FIRST WHITE SPECKS C  
0591 162004 2011-03-01 FIRST WHITE SPECKS D  
0591 162005 2011-04-01 FIRST WHITE SPECKS E  
0591 162006 2014-03-01 FIRST WHITE SPECKS F

0591 186002 2016-08-01 SECOND WHITE SPECKS B

0591 213001 2001-02-01 BOW ISLAND A  
0591 213002 2001-02-01 BOW ISLAND B  
0591 213003 2001-02-01 BOW ISLAND C  
0591 213004 2001-02-01 BOW ISLAND D  
0591 213005 2001-02-01 BOW ISLAND E  
0591 213007 2008-10-01 BOW ISLAND G  
0591 213008 2012-05-01 BOW ISLAND H  
0591 213009 2013-10-01 BOW ISLAND I

0591 250002 2010-04-01 UPPER MANNVILLE B  
0591 250003 2001-02-01 UPPER MANNVILLE C  
0591 250004 2001-02-01 UPPER MANNVILLE D  
0591 250005 2010-04-01 UPPER MANNVILLE E  
0591 250006 2001-02-01 UPPER MANNVILLE F  
0591 250007 2010-04-01 UPPER MANNVILLE G  
0591 250008 2013-11-01 UPPER MANNVILLE H  
0591 250009 2001-02-01 UPPER MANNVILLE I  
0591 250010 2001-10-01 UPPER MANNVILLE J  
0591 250011 2001-02-01 UPPER MANNVILLE K  
0591 250012 2001-02-01 UPPER MANNVILLE L

**POOL DESIGNATION (cont'd)**

|             |            |                    |
|-------------|------------|--------------------|
| 0591 250013 | 2001-02-01 | UPPER MANNVILLE M  |
| 0591 250014 | 2010-04-01 | UPPER MANNVILLE N  |
| 0591 250015 | 2001-02-01 | UPPER MANNVILLE O  |
| 0591 250016 | 2001-02-01 | UPPER MANNVILLE P  |
| 0591 250017 | 2001-02-01 | UPPER MANNVILLE Q  |
| 0591 250018 | 2001-02-01 | UPPER MANNVILLE R  |
| 0591 250020 | 2001-02-01 | UPPER MANNVILLE T  |
| 0591 250021 | 2001-02-01 | UPPER MANNVILLE U  |
| 0591 250022 | 2001-02-01 | UPPER MANNVILLE V  |
| 0591 250023 | 2001-04-01 | UPPER MANNVILLE W  |
| 0591 250025 | 2001-12-01 | UPPER MANNVILLE Y  |
| 0591 250026 | 2002-12-01 | UPPER MANNVILLE Z  |
| 0591 250027 | 2003-02-01 | UPPER MANNVILLE AA |
| 0591 250028 | 2003-06-01 | UPPER MANNVILLE BB |
| 0591 250029 | 2004-07-01 | UPPER MANNVILLE CC |
| 0591 250030 | 2007-04-01 | UPPER MANNVILLE DD |
| 0591 250032 | 2006-05-01 | UPPER MANNVILLE FF |
| 0591 250033 | 2007-10-01 | UPPER MANNVILLE GG |
| 0591 250035 | 2009-02-01 | UPPER MANNVILLE II |
| 0591 250036 | 2009-05-01 | UPPER MANNVILLE JJ |
| 0591 250037 | 2009-12-01 | UPPER MANNVILLE KK |
| 0591 250038 | 2010-03-01 | UPPER MANNVILLE LL |
| 0591 250039 | 2010-06-01 | UPPER MANNVILLE MM |
| 0591 250040 | 2010-10-01 | UPPER MANNVILLE NN |
| 0591 250041 | 2012-12-01 | UPPER MANNVILLE OO |
|             |            |                    |
| 0591 310001 | 2001-02-01 | LOWER MANNVILLE A  |
| 0591 310003 | 2001-02-01 | LOWER MANNVILLE C  |
| 0591 310004 | 2001-02-01 | LOWER MANNVILLE D  |
| 0591 310005 | 2001-02-01 | LOWER MANNVILLE E  |
| 0591 310006 | 2001-02-01 | LOWER MANNVILLE F  |
| 0591 310007 | 2002-02-01 | LOWER MANNVILLE G  |
| 0591 310009 | 2006-01-01 | LOWER MANNVILLE I  |
| 0591 310010 | 2008-01-01 | LOWER MANNVILLE J  |
| 0591 310011 | 2011-11-01 | LOWER MANNVILLE K  |
|             |            |                    |
| 0591 850100 | 2016-08-01 | MFP8501 MILK RIVER |

**POOL DESIGNATION (cont'd)**

0591 850200 2016-08-01 MFP8502 MED HAT  
0591 850600 2011-01-01 MFP8506 BELLY RIVER  
0591 854300 2011-04-01 MFP8543 BSL BELLY RIV

**SPACING PATTERN**

SU 4178 12 May 2004  
SU 4178A 2 Jun 2004  
SU 4178B 8 Jul 2004  
SU 4178C 18 Apr 2005  
SU 4178D 18 Aug 2005  
SU 4178E 23 Mar 2006

**COMMINGLED PRODUCTION**

MU 7908 7 Jun 2011

**FIELD DESIGNATION**

0593 2011-02-01 MALMO FIELD

**POOL DESIGNATION**

0593 106003 2007-02-01 EDMONTON C  
0593 106005 2001-02-01 EDMONTON E  
0593 106006 2001-02-01 EDMONTON F  
0593 106007 2001-03-01 EDMONTON G  
0593 106008 2001-03-01 EDMONTON H  
0593 106010 2004-06-01 EDMONTON J  
0593 106014 2013-04-01 EDMONTON N

0593 118801 2011-02-01 LOWER EDMONTON A  
0593 118802 2011-03-01 LOWER EDMONTON B

0593 126024 2003-10-01 BELLY RIVER X  
0593 126028 2005-05-01 BELLY RIVER BB  
0593 126040 2009-03-01 BELLY RIVER NN  
0593 126043 2007-06-01 BELLY RIVER QQ  
0593 126046 2008-02-01 BELLY RIVER TT  
0593 126048 2014-01-01 BELLY RIVER VV

0593 134001 2005-07-01 BASAL BELLY RIVER A  
0593 134002 2006-07-01 BASAL BELLY RIVER B  
0593 134003 2007-06-01 BASAL BELLY RIVER C  
0593 134004 2007-12-01 BASAL BELLY RIVER D  
0593 134005 2010-04-01 BASAL BELLY RIVER E

0593 218001 2012-11-01 VIKING A  
0593 218002 2001-02-01 VIKING B

0593 244001 2004-01-01 BLAIRMORE A  
0593 244002 2010-11-01 BLAIRMORE B  
0593 244003 2001-02-01 BLAIRMORE C  
0593 244004 2001-02-01 BLAIRMORE D

**POOL DESIGNATION (cont'd)**

|             |            |                   |
|-------------|------------|-------------------|
| 0593 250001 | 2001-02-01 | UPPER MANNVILLE A |
| 0593 250002 | 2008-02-01 | UPPER MANNVILLE B |
| 0593 250003 | 2008-02-01 | UPPER MANNVILLE C |
|             |            |                   |
| 0593 316001 | 2002-02-01 | OSTRACOD A        |
|             |            |                   |
| 0593 336001 | 2012-01-01 | ELLERSLIE A       |
| 0593 336002 | 2001-02-01 | ELLERSLIE B       |
| 0593 336003 | 2006-01-01 | ELLERSLIE C       |
| 0593 336004 | 2001-02-01 | ELLERSLIE D       |
| 0593 336005 | 2001-02-01 | ELLERSLIE E       |
| 0593 336006 | 2010-11-01 | ELLERSLIE F       |
| 0593 336007 | 2007-07-01 | ELLERSLIE G       |
| 0593 336008 | 2001-02-01 | ELLERSLIE H       |
| 0593 336009 | 2001-02-01 | ELLERSLIE I       |
| 0593 336010 | 2001-02-01 | ELLERSLIE J       |
| 0593 336011 | 2001-02-01 | ELLERSLIE K       |
| 0593 336012 | 2001-02-01 | ELLERSLIE L       |
| 0593 336013 | 2001-02-01 | ELLERSLIE M       |
| 0593 336014 | 2001-02-01 | ELLERSLIE N       |
| 0593 336015 | 2001-02-01 | ELLERSLIE O       |
| 0593 336016 | 2013-07-01 | ELLERSLIE P       |
| 0593 336017 | 2001-02-01 | ELLERSLIE Q       |
| 0593 336018 | 2001-02-01 | ELLERSLIE R       |
| 0593 336019 | 2001-02-01 | ELLERSLIE S       |
| 0593 336020 | 2001-03-01 | ELLERSLIE T       |
| 0593 336021 | 2001-03-01 | ELLERSLIE U       |
| 0593 336022 | 2001-03-01 | ELLERSLIE V       |
| 0593 336023 | 2001-07-01 | ELLERSLIE W       |
| 0593 336024 | 2001-08-01 | ELLERSLIE X       |
| 0593 336025 | 2002-06-01 | ELLERSLIE Y       |
| 0593 336026 | 2002-08-01 | ELLERSLIE Z       |
| 0593 336027 | 2010-04-01 | ELLERSLIE AA      |
| 0593 336028 | 2004-09-01 | ELLERSLIE BB      |
| 0593 336029 | 2005-09-01 | ELLERSLIE CC      |
| 0593 336030 | 2005-09-01 | ELLERSLIE DD      |
| 0593 336031 | 2005-09-01 | ELLERSLIE EE      |
| 0593 336032 | 2006-05-01 | ELLERSLIE FF      |

**POOL DESIGNATION (cont'd)**

|                        |                     |
|------------------------|---------------------|
| 0593 336033 2007-02-01 | ELLERSLIE GG        |
| 0593 336034 2007-02-01 | ELLERSLIE HH        |
| 0593 336035 2007-07-01 | ELLERSLIE II        |
| 0593 336036 2007-08-01 | ELLERSLIE JJ        |
| 0593 336037 2008-08-01 | ELLERSLIE KK        |
| 0593 336038 2011-02-01 | ELLERSLIE LL        |
| 0593 336039 2012-04-01 | ELLERSLIE MM        |
| 0593 336040 2013-07-01 | ELLERSLIE NN        |
|                        |                     |
| 0593 658001 2006-04-01 | D-1 A               |
|                        |                     |
| 0593 696001 2010-04-01 | D-2 A               |
| 0593 696002 2001-02-01 | D-2 B               |
| 0593 696003 2002-07-01 | D-2 C               |
| 0593 696004 2005-09-01 | D-2 D               |
| 0593 696005 2008-10-01 | D-2 E               |
|                        |                     |
| 0593 720001 2010-04-01 | D-3 A               |
| 0593 720002 2001-02-01 | D-3 B               |
| 0593 720003 2010-04-01 | D-3 C               |
| 0593 720004 2001-02-01 | D-3 D               |
| 0593 720005 2010-04-01 | D-3 E               |
| 0593 720006 2001-02-01 | D-3 F               |
| 0593 720007 2002-11-01 | D-3 G               |
| 0593 720008 2004-03-01 | D-3 H               |
| 0593 720009 2004-05-01 | D-3 I               |
| 0593 720010 2008-10-01 | D-3 J               |
|                        |                     |
| 0593 850900 2013-06-01 | MFP8509 BELLY RIVER |



**SPACING PATTERN**

SU 4199 21 Jul 2005  
SU 4199A 3 Dec 2004  
SU 4199B 5 Jan 2005  
SU 4199C 3 Feb 2005  
SU 4199D 26 Mar 2005  
SU 4199E 22 Aug 2005  
SU 4199F 7 Sep 2005  
SU 4199G 20 Dec 2005  
SU 4199H 1 Feb 2006  
SU 4199J 9 Jun 2006

**COMPULSORY POOLING**

P 382 13 Feb 2009  
Gas  
19-044-21W4M  
Quicksilver Resources Canada Inc.

**MISCELLANEOUS ORDERS**

MISC 6122 1 Dec 1961  
Malmo Blairmore & Malmo D-2  
Wells & batteries exempt from  
subsections 2, 3(a), (b) and 7  
of sec 20c, Drill & Prod Regs

**COMMINGLED PRODUCTION**

MU 8264 13 Dec 2011

**CONCURRENT PRODUCTION**

MISC 8801 13 Jan 1988  
Blairmore A

MISC 9018 10 May 1990  
Ellerslie C

**SUBSURFACE DISPOSAL SCHEMES**

App 8505 13 May 1999  
Class II  
Canadian Natural Resources Limited

**FIELD DESIGNATION**

0029 2001-10-01                      MANIR FIELD

**POOL DESIGNATION**

0029 192001 2006-10-01            DUNVEGAN A

0029 326001 2008-11-01            GETHING A

0029 326002 2008-12-01            GETHING B

0029 348001 2006-11-01            CADOMIN A

0029 508001 2012-03-01            CHARLIE LAKE A

0029 508005 2001-02-01            CHARLIE LAKE E

0029 508008 2001-02-01            CHARLIE LAKE H

0029 508009 2001-02-01            CHARLIE LAKE I

0029 508010 2001-03-01            CHARLIE LAKE J

0029 508011 2007-04-01            CHARLIE LAKE K

0029 508012 2010-04-01            CHARLIE LAKE L

0029 658002 2010-04-01            WABAMUN B

**SPACING PATTERN**

SU 2437            20 Dec 1995

SU 2437A          23 Aug 1999

SU 2437B          2 Feb 2000

**COMMINGLED PRODUCTION**

MU 7043            8 Oct 2008

**ENHANCED RECOVERY SCHEMES**

App 7888G        5 Jun 2017

Waterflood

Charlie Lake A

Canadian Natural Resources Limited

**FIELD DESIGNATION**

0592 2007-07-01                      MANNING FIELD

**POOL DESIGNATION**

0592 304001 2007-07-01              BLUESKY A

0592 326001 2007-10-01              GETHING A

**FIELD DESIGNATION**

0594 2016-01-01 MANNVILLE FIELD

**POOL DESIGNATION**

0594 160001 2006-10-01 COLORADO A  
0594 160003 2013-01-01 COLORADO C  
0594 160004 2012-06-01 COLORADO D  
0594 160005 2013-01-01 COLORADO E  
0594 160006 2014-08-01 COLORADO F  
0594 160007 2015-02-01 COLORADO G

0594 216006 2006-06-01 UPPER VIKING F  
0594 216007 2015-01-01 UPPER VIKING G

0594 218001 2016-01-01 VIKING A  
0594 218002 2016-01-01 VIKING B  
0594 218003 2016-01-01 VIKING C  
0594 218004 2016-01-01 VIKING D

0594 218602 2010-04-01 UPPER & MIDDLE VIK B  
0594 218604 2001-11-01 UPPER & MIDDLE VIK D  
0594 218605 2005-01-01 UPPER & MIDDLE VIK E  
0594 218606 2013-07-01 UPPER & MIDDLE VIK F  
0594 218607 2010-05-01 UPPER & MIDDLE VIK G  
0594 218608 2010-05-01 UPPER & MIDDLE VIK H  
0594 218609 2010-05-01 UPPER & MIDDLE VIK I  
0594 218610 2010-09-01 UPPER & MIDDLE VIK J  
0594 218611 2012-06-01 UPPER & MIDDLE VIK K  
0594 218612 2013-11-01 UPPER & MIDDLE VIK L

0594 221007 2013-10-01 MIDDLE VIKING G

0594 250002 2014-02-01 UPPER MANNVILLE B  
0594 250003 2010-04-01 UPPER MANNVILLE C  
0594 250004 2004-06-01 UPPER MANNVILLE D  
0594 250005 2011-12-01 UPPER MANNVILLE E

**POOL DESIGNATION (cont'd)**

|             |            |                    |
|-------------|------------|--------------------|
| 0594 250006 | 2010-04-01 | UPPER MANNVILLE F  |
| 0594 250008 | 2001-02-01 | UPPER MANNVILLE H  |
| 0594 250009 | 2001-02-01 | UPPER MANNVILLE I  |
| 0594 250010 | 2001-02-01 | UPPER MANNVILLE J  |
| 0594 250011 | 2001-02-01 | UPPER MANNVILLE K  |
| 0594 250012 | 2001-02-01 | UPPER MANNVILLE L  |
| 0594 250013 | 2006-11-01 | UPPER MANNVILLE M  |
| 0594 250014 | 2001-02-01 | UPPER MANNVILLE N  |
| 0594 250015 | 2001-02-01 | UPPER MANNVILLE O  |
| 0594 250018 | 2001-02-01 | UPPER MANNVILLE R  |
| 0594 250019 | 2001-02-01 | UPPER MANNVILLE S  |
| 0594 250020 | 2001-02-01 | UPPER MANNVILLE T  |
| 0594 250021 | 2001-02-01 | UPPER MANNVILLE U  |
| 0594 250022 | 2001-02-01 | UPPER MANNVILLE V  |
| 0594 250023 | 2001-02-01 | UPPER MANNVILLE W  |
| 0594 250025 | 2001-02-01 | UPPER MANNVILLE Y  |
| 0594 250026 | 2001-02-01 | UPPER MANNVILLE Z  |
| 0594 250027 | 2001-02-01 | UPPER MANNVILLE AA |
| 0594 250029 | 2010-04-01 | UPPER MANNVILLE CC |
| 0594 250030 | 2001-02-01 | UPPER MANNVILLE DD |
| 0594 250032 | 2010-04-01 | UPPER MANNVILLE FF |
| 0594 250033 | 2001-02-01 | UPPER MANNVILLE GG |
| 0594 250035 | 2001-02-01 | UPPER MANNVILLE II |
| 0594 250036 | 2010-04-01 | UPPER MANNVILLE JJ |
| 0594 250037 | 2001-02-01 | UPPER MANNVILLE KK |
| 0594 250038 | 2001-02-01 | UPPER MANNVILLE LL |
| 0594 250039 | 2001-02-01 | UPPER MANNVILLE MM |
| 0594 250040 | 2001-02-01 | UPPER MANNVILLE NN |
| 0594 250041 | 2001-02-01 | UPPER MANNVILLE OO |
| 0594 250042 | 2001-02-01 | UPPER MANNVILLE PP |
| 0594 250043 | 2001-02-01 | UPPER MANNVILLE QQ |
| 0594 250044 | 2001-02-01 | UPPER MANNVILLE RR |
| 0594 250045 | 2001-02-01 | UPPER MANNVILLE SS |
| 0594 250046 | 2001-02-01 | UPPER MANNVILLE TT |
| 0594 250047 | 2001-02-01 | UPPER MANNVILLE UU |
| 0594 250049 | 2001-02-01 | UPPER MANNVILLE WW |
| 0594 250050 | 2010-04-01 | UPPER MANNVILLE XX |
| 0594 250052 | 2001-02-01 | UPPER MANNVILLE ZZ |

**POOL DESIGNATION (cont'd)**

|                        |                     |
|------------------------|---------------------|
| 0594 250701 2001-02-01 | UPPER MANNVILLE AAA |
| 0594 250702 2001-02-01 | UPPER MANNVILLE BBB |
| 0594 250703 2001-02-01 | UPPER MANNVILLE CCC |
| 0594 250704 2001-02-01 | UPPER MANNVILLE DDD |
| 0594 250706 2001-02-01 | UPPER MANNVILLE FFF |
| 0594 250707 2001-02-01 | UPPER MANNVILLE GGG |
| 0594 250708 2001-02-01 | UPPER MANNVILLE HHH |
| 0594 250709 2001-02-01 | UPPER MANNVILLE III |
| 0594 250710 2009-07-01 | UPPER MANNVILLE JJJ |
| 0594 250715 2004-03-01 | UPPER MANNVILLE OOO |
| 0594 250716 2001-02-01 | UPPER MANNVILLE PPP |
| 0594 250717 2001-02-01 | UPPER MANNVILLE QQQ |
| 0594 250718 2001-02-01 | UPPER MANNVILLE RRR |
| 0594 250720 2001-02-01 | UPPER MANNVILLE TTT |
| 0594 250721 2001-02-01 | UPPER MANNVILLE UUU |
| 0594 250722 2001-02-01 | UPPER MANNVILLE VVV |
| 0594 250723 2004-01-01 | UPPER MANNVILLE WWW |
| 0594 250724 2004-01-01 | UPPER MANNVILLE XXX |
| 0594 250725 2001-02-01 | UPPER MANNVILLE YYY |
| 0594 250726 2001-02-01 | UPPER MANNVILLE ZZZ |
| 0594 250727 2001-02-01 | UPPER MANNVILLE A2A |
| 0594 250728 2001-02-01 | UPPER MANNVILLE B2B |
| 0594 250729 2010-04-01 | UPPER MANNVILLE C2C |
| 0594 250730 2001-02-01 | UPPER MANNVILLE D2D |
| 0594 250731 2001-02-01 | UPPER MANNVILLE E2E |
| 0594 250732 2001-02-01 | UPPER MANNVILLE F2F |
| 0594 250733 2001-02-01 | UPPER MANNVILLE G2G |
| 0594 250734 2007-01-01 | UPPER MANNVILLE H2H |
| 0594 250735 2012-04-01 | UPPER MANNVILLE I2I |
| 0594 250736 2001-02-01 | UPPER MANNVILLE J2J |
| 0594 250737 2004-07-01 | UPPER MANNVILLE K2K |
| 0594 250738 2001-02-01 | UPPER MANNVILLE L2L |
| 0594 250739 2001-02-01 | UPPER MANNVILLE M2M |
| 0594 250740 2001-02-01 | UPPER MANNVILLE N2N |
| 0594 250741 2010-04-01 | UPPER MANNVILLE O2O |
| 0594 250743 2001-02-01 | UPPER MANNVILLE Q2Q |
| 0594 250744 2005-01-01 | UPPER MANNVILLE R2R |
| 0594 250745 2010-04-01 | UPPER MANNVILLE S2S |

**POOL DESIGNATION (cont'd)**

|                        |                     |
|------------------------|---------------------|
| 0594 250746 2001-02-01 | UPPER MANNVILLE T2T |
| 0594 250747 2001-02-01 | UPPER MANNVILLE U2U |
| 0594 250748 2005-03-01 | UPPER MANNVILLE V2V |
| 0594 250749 2004-02-01 | UPPER MANNVILLE W2W |
| 0594 250750 2001-02-01 | UPPER MANNVILLE X2X |
| 0594 250751 2010-04-01 | UPPER MANNVILLE Y2Y |
| 0594 250752 2003-02-01 | UPPER MANNVILLE Z2Z |
| 0594 251101 2006-08-01 | UPPER MANNVILLE A3A |
| 0594 251102 2001-02-01 | UPPER MANNVILLE B3B |
| 0594 251103 2001-02-01 | UPPER MANNVILLE C3C |
| 0594 251104 2001-02-01 | UPPER MANNVILLE D3D |
| 0594 251105 2001-02-01 | UPPER MANNVILLE E3E |
| 0594 251106 2001-02-01 | UPPER MANNVILLE F3F |
| 0594 251107 2010-04-01 | UPPER MANNVILLE G3G |
| 0594 251108 2010-04-01 | UPPER MANNVILLE H3H |
| 0594 251109 2010-07-01 | UPPER MANNVILLE I3I |
| 0594 251110 2001-12-01 | UPPER MANNVILLE J3J |
| 0594 251111 2010-07-01 | UPPER MANNVILLE K3K |
| 0594 251112 2010-04-01 | UPPER MANNVILLE L3L |
| 0594 251113 2010-04-01 | UPPER MANNVILLE M3M |
| 0594 251114 2010-04-01 | UPPER MANNVILLE N3N |
| 0594 251115 2003-10-01 | UPPER MANNVILLE O3O |
| 0594 251116 2005-05-01 | UPPER MANNVILLE P3P |
| 0594 251117 2003-10-01 | UPPER MANNVILLE Q3Q |
| 0594 251118 2005-02-01 | UPPER MANNVILLE R3R |
| 0594 251120 2005-09-01 | UPPER MANNVILLE T3T |
| 0594 251121 2003-07-01 | UPPER MANNVILLE U3U |
| 0594 251122 2010-04-01 | UPPER MANNVILLE V3V |
| 0594 251123 2010-04-01 | UPPER MANNVILLE W3W |
| 0594 251124 2002-07-01 | UPPER MANNVILLE X3X |
| 0594 251125 2002-07-01 | UPPER MANNVILLE Y3Y |
| 0594 251126 2002-07-01 | UPPER MANNVILLE Z3Z |
| 0594 251127 2010-07-01 | UPPER MANNVILLE A4A |
| 0594 251128 2005-03-01 | UPPER MANNVILLE B4B |
| 0594 251129 2003-02-01 | UPPER MANNVILLE C4C |
| 0594 251130 2002-08-01 | UPPER MANNVILLE D4D |
| 0594 251131 2002-09-01 | UPPER MANNVILLE E4E |
| 0594 251132 2014-03-01 | UPPER MANNVILLE F4F |

**POOL DESIGNATION (cont'd)**

|                        |                     |
|------------------------|---------------------|
| 0594 251134 2003-01-01 | UPPER MANNVILLE H4H |
| 0594 251135 2003-01-01 | UPPER MANNVILLE I4I |
| 0594 251136 2002-12-01 | UPPER MANNVILLE J4J |
| 0594 251137 2002-12-01 | UPPER MANNVILLE K4K |
| 0594 251138 2002-10-01 | UPPER MANNVILLE L4L |
| 0594 251139 2002-10-01 | UPPER MANNVILLE M4M |
| 0594 251140 2015-06-01 | UPPER MANNVILLE N4N |
| 0594 251141 2010-04-01 | UPPER MANNVILLE O4O |
| 0594 251142 2010-04-01 | UPPER MANNVILLE P4P |
| 0594 251143 2002-11-01 | UPPER MANNVILLE Q4Q |
| 0594 251144 2003-05-01 | UPPER MANNVILLE R4R |
| 0594 251145 2003-05-01 | UPPER MANNVILLE S4S |
| 0594 251146 2003-02-01 | UPPER MANNVILLE T4T |
| 0594 251147 2004-12-01 | UPPER MANNVILLE U4U |
| 0594 251148 2003-05-01 | UPPER MANNVILLE V4V |
| 0594 251149 2003-03-01 | UPPER MANNVILLE W4W |
| 0594 251151 2003-09-01 | UPPER MANNVILLE Y4Y |
| 0594 251152 2003-07-01 | UPPER MANNVILLE Z4Z |
| 0594 251501 2003-05-01 | UPPER MANNVILLE A5A |
| 0594 251502 2003-05-01 | UPPER MANNVILLE B5B |
| 0594 251503 2003-07-01 | UPPER MANNVILLE C5C |
| 0594 251504 2010-04-01 | UPPER MANNVILLE D5D |
| 0594 251505 2003-09-01 | UPPER MANNVILLE E5E |
| 0594 251506 2003-05-01 | UPPER MANNVILLE F5F |
| 0594 251507 2003-09-01 | UPPER MANNVILLE G5G |
| 0594 251508 2003-09-01 | UPPER MANNVILLE H5H |
| 0594 251509 2010-04-01 | UPPER MANNVILLE I5I |
| 0594 251510 2003-05-01 | UPPER MANNVILLE J5J |
| 0594 251511 2003-05-01 | UPPER MANNVILLE K5K |
| 0594 251513 2003-05-01 | UPPER MANNVILLE M5M |
| 0594 251514 2003-05-01 | UPPER MANNVILLE N5N |
| 0594 251515 2003-09-01 | UPPER MANNVILLE O5O |
| 0594 251516 2003-06-01 | UPPER MANNVILLE P5P |
| 0594 251518 2003-07-01 | UPPER MANNVILLE R5R |
| 0594 251519 2003-06-01 | UPPER MANNVILLE S5S |
| 0594 251520 2011-12-01 | UPPER MANNVILLE T5T |
| 0594 251521 2011-12-01 | UPPER MANNVILLE U5U |
| 0594 251522 2011-12-01 | UPPER MANNVILLE V5V |



**POOL DESIGNATION (cont'd)**

|                        |                     |
|------------------------|---------------------|
| 0594 251523 2010-04-01 | UPPER MANNVILLE W5W |
| 0594 251524 2003-08-01 | UPPER MANNVILLE X5X |
| 0594 251525 2003-10-01 | UPPER MANNVILLE Y5Y |
| 0594 251526 2004-01-01 | UPPER MANNVILLE Z5Z |
| 0594 251527 2004-05-01 | UPPER MANNVILLE A6A |
| 0594 251528 2004-02-01 | UPPER MANNVILLE B6B |
| 0594 251529 2004-02-01 | UPPER MANNVILLE C6C |
| 0594 251530 2004-03-01 | UPPER MANNVILLE D6D |
| 0594 251531 2004-08-01 | UPPER MANNVILLE E6E |
| 0594 251534 2004-08-01 | UPPER MANNVILLE H6H |
| 0594 251535 2006-01-01 | UPPER MANNVILLE I6I |
| 0594 251536 2005-03-01 | UPPER MANNVILLE J6J |
| 0594 251537 2005-05-01 | UPPER MANNVILLE K6K |
| 0594 251538 2005-01-01 | UPPER MANNVILLE L6L |
| 0594 251539 2005-03-01 | UPPER MANNVILLE M6M |
| 0594 251540 2005-07-01 | UPPER MANNVILLE N6N |
| 0594 251541 2005-04-01 | UPPER MANNVILLE O6O |
| 0594 251542 2005-05-01 | UPPER MANNVILLE P6P |
| 0594 251543 2005-05-01 | UPPER MANNVILLE Q6Q |
| 0594 251544 2005-05-01 | UPPER MANNVILLE R6R |
| 0594 251545 2005-06-01 | UPPER MANNVILLE S6S |
| 0594 251546 2010-04-01 | UPPER MANNVILLE T6T |
| 0594 251547 2010-04-01 | UPPER MANNVILLE U6U |
| 0594 251548 2011-08-01 | UPPER MANNVILLE V6V |
| 0594 251549 2011-08-01 | UPPER MANNVILLE W6W |
| 0594 251550 2005-08-01 | UPPER MANNVILLE X6X |
| 0594 251551 2005-09-01 | UPPER MANNVILLE Y6Y |
| 0594 251552 2010-07-01 | UPPER MANNVILLE Z6Z |
| 0594 251901 2005-12-01 | UPPER MANNVILLE A7A |
| 0594 251902 2005-12-01 | UPPER MANNVILLE B7B |
| 0594 251903 2005-12-01 | UPPER MANNVILLE C7C |
| 0594 251904 2005-12-01 | UPPER MANNVILLE D7D |
| 0594 251905 2006-01-01 | UPPER MANNVILLE E7E |
| 0594 251906 2006-02-01 | UPPER MANNVILLE F7F |
| 0594 251907 2010-04-01 | UPPER MANNVILLE G7G |
| 0594 251908 2008-09-01 | UPPER MANNVILLE H7H |
| 0594 251909 2006-07-01 | UPPER MANNVILLE I7I |
| 0594 251910 2006-10-01 | UPPER MANNVILLE J7J |

**POOL DESIGNATION (cont'd)**

|                        |                     |
|------------------------|---------------------|
| 0594 251911 2006-11-01 | UPPER MANNVILLE K7K |
| 0594 251912 2007-02-01 | UPPER MANNVILLE L7L |
| 0594 251914 2007-06-01 | UPPER MANNVILLE N7N |
| 0594 251915 2007-06-01 | UPPER MANNVILLE O7O |
| 0594 251916 2007-07-01 | UPPER MANNVILLE P7P |
| 0594 251917 2007-07-01 | UPPER MANNVILLE Q7Q |
| 0594 251918 2007-07-01 | UPPER MANNVILLE R7R |
| 0594 251919 2008-01-01 | UPPER MANNVILLE S7S |
| 0594 251920 2009-01-01 | UPPER MANNVILLE T7T |
| 0594 251921 2009-02-01 | UPPER MANNVILLE U7U |
| 0594 251922 2010-08-01 | UPPER MANNVILLE V7V |
| 0594 251923 2009-07-01 | UPPER MANNVILLE W7W |
| 0594 251924 2009-08-01 | UPPER MANNVILLE X7X |
| 0594 251925 2009-10-01 | UPPER MANNVILLE Y7Y |
| 0594 251926 2010-07-01 | UPPER MANNVILLE Z7Z |
| 0594 251927 2010-07-01 | UPPER MANNVILLE A8A |
| 0594 251928 2010-07-01 | UPPER MANNVILLE B8B |
| 0594 251929 2010-07-01 | UPPER MANNVILLE C8C |
| 0594 251930 2011-05-01 | UPPER MANNVILLE D8D |
| 0594 251931 2011-05-01 | UPPER MANNVILLE E8E |
| 0594 251932 2011-06-01 | UPPER MANNVILLE F8F |
| 0594 251933 2011-08-01 | UPPER MANNVILLE G8G |
| 0594 251934 2011-12-01 | UPPER MANNVILLE H8H |
| 0594 251935 2013-03-01 | UPPER MANNVILLE I8I |
| 0594 251936 2012-04-01 | UPPER MANNVILLE J8J |
| 0594 251937 2012-05-01 | UPPER MANNVILLE K8K |
| 0594 251938 2012-05-01 | UPPER MANNVILLE L8L |
| 0594 251939 2016-09-01 | UPPER MANNVILLE M8M |
| 0594 251940 2013-03-01 | UPPER MANNVILLE N8N |
| 0594 251941 2013-03-01 | UPPER MANNVILLE O8O |
| 0594 251942 2012-08-01 | UPPER MANNVILLE P8P |
| 0594 251943 2012-08-01 | UPPER MANNVILLE Q8Q |
| 0594 251944 2012-10-01 | UPPER MANNVILLE R8R |
| 0594 251945 2013-03-01 | UPPER MANNVILLE S8S |
| 0594 251946 2014-10-01 | UPPER MANNVILLE T8T |
| 0594 251947 2013-07-01 | UPPER MANNVILLE U8U |
| 0594 251948 2013-07-01 | UPPER MANNVILLE V8V |
| 0594 251949 2013-07-01 | UPPER MANNVILLE W8W |

**POOL DESIGNATION (cont'd)**

|                        |                     |
|------------------------|---------------------|
| 0594 251950 2014-03-01 | UPPER MANNVILLE X8X |
| 0594 251951 2014-03-01 | UPPER MANNVILLE Y8Y |
| 0594 251952 2014-03-01 | UPPER MANNVILLE Z8Z |
| 0594 253001 2014-11-01 | UPPER MANNVILLE A9A |
| 0594 253002 2016-01-01 | UPPER MANNVILLE B9B |
| 0594 253003 2016-01-01 | UPPER MANNVILLE C9C |
| 0594 253004 2017-03-01 | UPPER MANNVILLE D9D |
| 0594 256001 2016-01-01 | COLONY A            |
| 0594 256002 2016-01-01 | COLONY B            |
| 0594 256003 2016-01-01 | COLONY C            |
| 0594 256004 2016-01-01 | COLONY D            |
| 0594 256005 2016-01-01 | COLONY E            |
| 0594 256006 2016-01-01 | COLONY F            |
| 0594 256007 2016-01-01 | COLONY G            |
| 0594 256008 2017-04-01 | COLONY H            |
| 0594 276001 2016-01-01 | SPARKY A            |
| 0594 276002 2017-06-01 | SPARKY B            |
| 0594 286001 2016-01-01 | GENERAL PETROLEUM A |
| 0594 302001 2016-01-01 | CUMMINGS A          |
| 0594 302002 2016-01-01 | CUMMINGS B          |
| 0594 310001 2001-02-01 | LOWER MANNVILLE A   |
| 0594 310002 2001-02-01 | LOWER MANNVILLE B   |
| 0594 310003 2001-02-01 | LOWER MANNVILLE C   |
| 0594 310004 2012-10-01 | LOWER MANNVILLE D   |
| 0594 310005 2001-02-01 | LOWER MANNVILLE E   |
| 0594 310006 2001-02-01 | LOWER MANNVILLE F   |
| 0594 310007 2003-02-01 | LOWER MANNVILLE G   |
| 0594 310008 2001-02-01 | LOWER MANNVILLE H   |
| 0594 310009 2010-04-01 | LOWER MANNVILLE I   |
| 0594 310010 2001-02-01 | LOWER MANNVILLE J   |
| 0594 310011 2002-11-01 | LOWER MANNVILLE K   |
| 0594 310012 2003-01-01 | LOWER MANNVILLE L   |
| 0594 310013 2010-04-01 | LOWER MANNVILLE M   |

**POOL DESIGNATION (cont'd)**

|             |            |                    |
|-------------|------------|--------------------|
| 0594 310014 | 2003-05-01 | LOWER MANNVILLE N  |
| 0594 310015 | 2004-08-01 | LOWER MANNVILLE O  |
| 0594 310017 | 2005-03-01 | LOWER MANNVILLE Q  |
| 0594 310019 | 2011-05-01 | LOWER MANNVILLE S  |
| 0594 310020 | 2011-05-01 | LOWER MANNVILLE T  |
| 0594 310021 | 2011-05-01 | LOWER MANNVILLE U  |
| 0594 310022 | 2014-03-01 | LOWER MANNVILLE V  |
| <br>        |            |                    |
| 0594 322001 | 2016-01-01 | DINA A             |
| <br>        |            |                    |
| 0594 851800 | 2010-04-01 | MFP8518 U&M VIKING |

**SPACING PATTERN**

|          |             |
|----------|-------------|
| SU 2791  | 14 Nov 1996 |
| SU 2791A | 4 Jan 2001  |
| SU 2791B | 24 Mar 2005 |
| SU 2791C | 26 Oct 2005 |
| SU 2791D | 5 Dec 2006  |

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

|                                    |             |
|------------------------------------|-------------|
| App 12281                          | 22 Jul 2014 |
| Waterflood                         |             |
| Lower Mannville                    |             |
| Canadian Natural Resources Limited |             |

**COMMINGLED PRODUCTION**

|         |             |
|---------|-------------|
| MU 8776 | 13 Jan 2016 |
|---------|-------------|

|                           |             |
|---------------------------|-------------|
| App 12553A                | 22 Sep 2016 |
| Waterflood                |             |
| Upper Mannville T8T       |             |
| Perpetual Operating Corp. |             |

**ENHANCED RECOVERY SCHEMES**

|                       |            |
|-----------------------|------------|
| App 12090F            | 2 Nov 2015 |
| Waterflood            |            |
| Upper Mannville       |            |
| Perpetual Energy Inc. |            |

**SUBSURFACE DISPOSAL SCHEMES**

|                       |             |
|-----------------------|-------------|
| App 11708M            | 29 Apr 2015 |
| Class II              |             |
| Perpetual Energy Inc. |             |

|                       |            |
|-----------------------|------------|
| App 12278G            | 7 Sep 2016 |
| Waterflood            |            |
| Upper Mannville       |            |
| Perpetual Energy Inc. |            |

**FIELD DESIGNATION**

0583 2002-11-01                      MANNY FIELD

**POOL DESIGNATION**

0583 262001 2013-04-01            GRAND RAPIDS A  
0583 262002 2001-02-01            GRAND RAPIDS B  
0583 262003 2010-10-01            GRAND RAPIDS C  
0583 262004 2010-04-01            GRAND RAPIDS D  
0583 262005 2010-04-01            GRAND RAPIDS E  
0583 262006 2010-04-01            GRAND RAPIDS F  
0583 262007 2010-10-01            GRAND RAPIDS G  
0583 262008 2006-02-01            GRAND RAPIDS H  
0583 262009 2008-07-01            GRAND RAPIDS I  
0583 262010 2010-10-01            GRAND RAPIDS J  
0583 262011 2010-11-01            GRAND RAPIDS K  
0583 262012 2010-11-01            GRAND RAPIDS L

0583 306002 2004-08-01            WABISKAW B  
0583 306003 2005-11-01            WABISKAW C

0583 328001 2001-02-01            MCMURRAY A  
0583 328002 2001-03-01            MCMURRAY B  
0583 328003 2001-03-01            MCMURRAY C  
0583 328004 2010-04-01            MCMURRAY D  
0583 328005 2004-02-01            MCMURRAY E  
0583 328006 2004-02-01            MCMURRAY F  
0583 328007 2004-05-01            MCMURRAY G  
0583 328008 2007-08-01            MCMURRAY H

0583 350001 2013-04-01            DETRITAL A

0583 696001 2010-04-01            NISKU A  
0583 696002 2004-05-01            NISKU B  
0583 696003 2007-07-01            NISKU C

**COMMINGLED PRODUCTION**

MU 3500            3 May 2004

**FIELD DESIGNATION**

0588 2006-05-01            MANOLA FIELD

**POOL DESIGNATION**

0588 126001 2009-12-01    BELLY RIVER A

0588 218001 2009-12-01    VIKING A

0588 250001 2004-09-01    UPPER MANNVILLE A

0588 300001 2004-10-01    GLAUCONITIC A

0588 300002 2004-09-01    GLAUCONITIC B

0588 300003 2009-12-01    GLAUCONITIC C

0588 300004 2009-12-01    GLAUCONITIC D

0588 310001 2001-02-01    LOWER MANNVILLE A

0588 310005 2014-04-01    LOWER MANNVILLE E

0588 310006 2001-02-01    LOWER MANNVILLE F

0588 310008 2001-02-01    LOWER MANNVILLE H

0588 310009 2011-09-01    LOWER MANNVILLE I

0588 310011 2010-04-01    LOWER MANNVILLE K

0588 310012 2001-02-01    LOWER MANNVILLE L

0588 310013 2001-02-01    LOWER MANNVILLE M

0588 310014 2002-03-01    LOWER MANNVILLE N

0588 310015 2001-06-01    LOWER MANNVILLE O

0588 310016 2001-02-01    LOWER MANNVILLE P

0588 310017 2001-02-01    LOWER MANNVILLE Q

0588 310018 2001-02-01    LOWER MANNVILLE R

0588 310019 2003-03-01    LOWER MANNVILLE S

0588 310020 2002-10-01    LOWER MANNVILLE T

0588 310021 2003-05-01    LOWER MANNVILLE U

0588 310022 2004-07-01    LOWER MANNVILLE V

0588 310023 2004-05-01    LOWER MANNVILLE W

0588 310024 2004-10-01    LOWER MANNVILLE X

0588 310025 2004-07-01    LOWER MANNVILLE Y

0588 310026 2009-12-01    LOWER MANNVILLE Z

**POOL DESIGNATION (cont'd)**

0588 310027 2013-07-01 LOWER MANNVILLE AA

0588 658001 2013-03-01 WABAMUN A

**SPACING PATTERN**

SU 2428 7 Dec 1995

SU 2428A 12 Mar 1996

**COMMINGLED PRODUCTION**

MU 1622 11 Jun 1998

**SUBSURFACE DISPOSAL SCHEMES**

App 7113C 24 Jan 2017

Class II

Axiom Oil and Gas Inc.

**FIELD DESIGNATION**

0595 2006-04-01 MANYBERRIES FIELD

**POOL DESIGNATION**

0595 126001 2006-04-01 BELLY RIVER A

0595 126002 2008-01-01 BELLY RIVER B

0595 158001 2011-12-01 MILK RIVER A

0595 164001 2011-12-01 MEDICINE HAT A

0595 164002 2011-12-01 MEDICINE HAT B

0595 213001 2013-12-01 BOW ISLAND A

0595 213002 2001-02-01 BOW ISLAND B

0595 213003 2001-02-01 BOW ISLAND C

0595 213004 2001-02-01 BOW ISLAND D

0595 213005 2001-02-01 BOW ISLAND E

0595 213006 2011-09-01 BOW ISLAND F

0595 213007 2015-10-01 BOW ISLAND G

0595 300001 2001-02-01 GLAUCONITIC A

0595 300002 2001-02-01 GLAUCONITIC B

0595 332001 2001-02-01 SUNBURST A

0595 332002 2011-04-01 SUNBURST B

0595 332003 2010-04-01 SUNBURST C

0595 332007 2001-02-01 SUNBURST G

0595 332010 2003-07-01 SUNBURST J

0595 332012 2001-02-01 SUNBURST L

0595 332013 2001-02-01 SUNBURST M

0595 332014 2001-02-01 SUNBURST N

0595 332015 2005-07-01 SUNBURST O

0595 332016 2001-02-01 SUNBURST P

0595 332017 2011-09-01 SUNBURST Q

0595 332018 2003-04-01 SUNBURST R

0595 332019 2001-02-01 SUNBURST S



**POOL DESIGNATION (cont'd)**

|                        |              |
|------------------------|--------------|
| 0595 332021 2001-02-01 | SUNBURST U   |
| 0595 332029 2001-02-01 | SUNBURST CC  |
| 0595 332034 2001-02-01 | SUNBURST HH  |
| 0595 332035 2001-02-01 | SUNBURST II  |
| 0595 332036 2010-10-01 | SUNBURST JJ  |
| 0595 332037 2013-03-01 | SUNBURST KK  |
| 0595 332038 2001-02-01 | SUNBURST LL  |
| 0595 332041 2002-04-01 | SUNBURST OO  |
| 0595 332045 2010-04-01 | SUNBURST SS  |
| 0595 332049 2001-02-01 | SUNBURST WW  |
| 0595 332050 2001-02-01 | SUNBURST XX  |
| 0595 332052 2001-02-01 | SUNBURST ZZ  |
| 0595 332101 2001-02-01 | SUNBURST AAA |
| 0595 332105 2001-02-01 | SUNBURST EEE |
| 0595 332106 2001-02-01 | SUNBURST FFF |
| 0595 332107 2001-02-01 | SUNBURST GGG |
| 0595 332108 2001-02-01 | SUNBURST HHH |
| 0595 332109 2001-02-01 | SUNBURST III |
| 0595 332110 2003-11-01 | SUNBURST JJJ |
| 0595 332112 2001-02-01 | SUNBURST LLL |
| 0595 332113 2014-03-01 | SUNBURST MMM |
| 0595 332115 2001-02-01 | SUNBURST OOO |
| 0595 332116 2001-02-01 | SUNBURST PPP |
| 0595 332117 2001-02-01 | SUNBURST QQQ |
| 0595 332118 2003-07-01 | SUNBURST RRR |
| 0595 332119 2008-02-01 | SUNBURST SSS |
| 0595 420002 2001-02-01 | SWIFT B      |
| 0595 420003 2001-02-01 | SWIFT C      |
| 0595 420004 2013-07-01 | SWIFT D      |
| 0595 428001 2003-12-01 | SAWTOOTH A   |
| 0595 428002 2009-09-01 | SAWTOOTH B   |
| 0595 446001 2001-02-01 | JURASSIC A   |
| 0595 446002 2010-04-01 | JURASSIC B   |
| 0595 446003 2007-03-01 | JURASSIC C   |

**SPACING PATTERN**

SU 3057 17 Oct 2001  
 SU 3057A 19 Nov 2001  
 SU 3057B 10 Jan 2002  
 SU 3057C 12 Apr 2002  
 SU 3057D 17 May 2002  
 SU 3057E 26 Feb 2003  
 SU 3057F 11 Jul 2005  
 SU 3057G 12 Sep 2005

**ENHANCED RECOVERY SCHEMES**

App 6768H 29 Jun 2015  
 Waterflood  
 Sunburst O  
 LGX Oil + Gas Inc.

App 6853G 25 Aug 2014  
 Waterflood  
 Sunburst JJ  
 LGX Oil + Gas Inc.

App 6940G 4 Nov 2015  
 Waterflood  
 Sunburst B  
 LGX Oil + Gas Inc.

App 7162K 26 Oct 2015  
 Waterflood  
 Sunburst B  
 City of Medicine Hat

App 8729I 29 Jun 2015  
 Waterflood  
 Sunburst KK  
 LGX Oil + Gas Inc.

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

App 9138H 10 Jul 2017  
 Waterflood  
 Sunburst B  
 City of Medicine Hat

App 9283I 12 Dec 2016  
 Waterflood  
 Sunburst Q  
 City of Medicine Hat

App 9860C 4 Nov 2015  
 Sunburst Q  
 Waterflood  
 LGX Oil + Gas Inc.

App 9859D 4 Nov 2015  
 Waterflood  
 Sunburst JJ  
 LGX Oil + Gas Inc.

App 10038H 9 Jul 2015  
 Waterflood  
 Sunburst OO  
 LGX Oil + Gas Inc.

App 10149F 10 Aug 2015  
 Waterflood  
 Sunburst LL  
 City of Medicine Hat

App 10531F 17 Nov 2016  
 Waterflood  
 Sunburst JJ  
 City of Medicine Hat

**ENHANCED RECOVERY SCHEMES**

**(cont'd)**

App 10536D 9 Jul 2015

Waterflood

Swift B

LGX Oil + Gas Inc.

App 10810G 5 May 2016

Waterflood

Sunburst C

City of Medicine Hat

**SUBSURFACE DISPOSAL SCHEMES**

App 12459A 29 Sep 2016

Class II

City of Medicine Hat

**SURFACE PIT DISPOSAL**

W 370 18 Jan 1974

Water disposal limit

Anderson et al MANYB 10-1-5-5 BTY

Anderson Exploration Ltd.

**COMPULSORY POOLING**

P 110 9 Apr 1992

Gas

22-005-04W4M

Cimarron Petroleum Ltd.

**FIELD DESIGNATION**

0613 2011-09-01                      MARIE FIELD

**POOL DESIGNATION**

0613 262001 2001-02-01            GRAND RAPIDS A  
0613 262002 2010-04-01            GRAND RAPIDS B  
0613 262003 2002-02-01            GRAND RAPIDS C  
0613 262005 2001-02-01            GRAND RAPIDS E  
0613 262006 2010-06-01            GRAND RAPIDS F  
0613 262007 2002-12-01            GRAND RAPIDS G  
0613 262008 2005-07-01            GRAND RAPIDS H  
0613 262009 2011-09-01            GRAND RAPIDS I  
0613 262010 2013-02-01            GRAND RAPIDS J

0613 270001 2001-02-01            WASECA A  
0613 270002 2003-03-01            WASECA B  
0613 270003 2005-06-01            WASECA C

0613 280001 2001-02-01            CLEARWATER A  
0613 280002 2001-02-01            CLEARWATER B  
0613 280003 2001-02-01            CLEARWATER C  
0613 280004 2003-08-01            CLEARWATER D

**SUBSURFACE DISPOSAL SCHEMES**

App 9162            9 Aug 2002  
Class II  
Husky Oil Operations Limited

**FIELD DESIGNATION**

0610 2011-07-01                      MARKERVILLE FIELD

**POOL DESIGNATION**

0610 064001 2011-11-01            PASKAPOO A

0610 118812 2008-01-01            LOWER EDMONTON L

0610 126001 2008-03-01            BELLY RIVER A

0610 176003 2009-01-01            CARDIUM C

0610 186001 2005-02-01            SECOND WHITE SPECKS A

0610 218001 2001-02-01            VIKING A

0610 218002 2001-02-01            VIKING B

0610 218003 2001-02-01            VIKING C

0610 218004 2005-04-01            VIKING D

0610 336002 2001-02-01            ELLERSLIE B

0610 336004 2001-02-01            ELLERSLIE D

0610 336005 2001-02-01            ELLERSLIE E

0610 336006 2001-02-01            ELLERSLIE F

0610 336007 2001-02-01            ELLERSLIE G

0610 336008 2001-03-01            ELLERSLIE H

0610 336009 2003-03-01            ELLERSLIE I

0610 336010 2003-03-01            ELLERSLIE J

0610 336011 2008-09-01            ELLERSLIE K

0610 336012 2008-10-01            ELLERSLIE L

0610 336013 2009-11-01            ELLERSLIE M

0610 336014 2012-10-01            ELLERSLIE N

0610 446001 2001-02-01            JURASSIC A

0610 642001 2010-04-01            PEKISKO A

0610 642002 2001-02-01            PEKISKO B

**POOL DESIGNATION (cont'd)**

|                        |                      |
|------------------------|----------------------|
| 0610 642003 2011-11-01 | PEKISKO C            |
| 0610 642005 2005-02-01 | PEKISKO E            |
| 0610 856200 2012-12-01 | MFP8562 EDMONTON     |
| 0610 856300 2011-08-01 | MFP8563 LWR EDMONTON |

**SPACING PATTERN**

|          |             |
|----------|-------------|
| SU 2261  | 13 Jun 1995 |
| SU 2261A | 7 May 2005  |
| SU 2261B | 29 Jun 2005 |
| SU 2261C | 7 Sep 2005  |
| SU 2261D | 14 Dec 2005 |
| SU 2261F | 10 Feb 2006 |
| SU 2261G | 8 Mar 2006  |
| SU 2261H | 21 Nov 2006 |
| SU 2261I | 23 Mar 2007 |
| SU 2261J | 17 Jul 2007 |
| SU 2261K | 11 Sep 2007 |
| SU 2261L | 15 Oct 2007 |

**COMMINGLED PRODUCTION**

|         |            |
|---------|------------|
| MU 7526 | 7 Sep 2010 |
|---------|------------|

**FIELD DESIGNATION**

1154 2015-04-01            MARLOWE FIELD

**POOL DESIGNATION**

1154 710001 2015-11-01    IRETON A

1154 758001 2001-02-01    SLAVE POINT A  
1154 758002 2016-05-01    SLAVE POINT B  
1154 758003 2001-03-01    SLAVE POINT C  
1154 758005 2001-09-01    SLAVE POINT E  
1154 758006 2002-03-01    SLAVE POINT F  
1154 758007 2002-04-01    SLAVE POINT G  
1154 758008 2002-03-01    SLAVE POINT H  
1154 758009 2003-05-01    SLAVE POINT I  
1154 758010 2013-07-01    SLAVE POINT J  
1154 758011 2007-12-01    SLAVE POINT K  
1154 758012 2013-07-01    SLAVE POINT L  
1154 758013 2014-02-01    SLAVE POINT M  
1154 758014 2014-04-01    SLAVE POINT N  
1154 758015 2014-05-01    SLAVE POINT O  
1154 758016 2014-05-01    SLAVE POINT P  
1154 758017 2014-06-01    SLAVE POINT Q  
1154 758018 2016-05-01    SLAVE POINT R

1154 767501 2008-06-01    SULPHUR POINT A  
1154 767502 2008-06-01    SULPHUR POINT B  
1154 767503 2011-12-01    SULPHUR POINT C  
1154 767504 2013-07-01    SULPHUR POINT D  
1154 767505 2012-07-01    SULPHUR POINT E  
1154 767506 2015-11-01    SULPHUR POINT F  
1154 767507 2016-01-01    SULPHUR POINT G

1154 768501 2014-11-01    MUSKEG A  
1154 768502 2014-12-01    MUSKEG B  
1154 768503 2013-12-01    MUSKEG C  
1154 768504 2013-12-01    MUSKEG D

**POOL DESIGNATION (cont'd)**

1154 768505 2014-05-01 MUSKEG E  
1154 768506 2015-05-01 MUSKEG F  
1154 768507 2015-02-01 MUSKEG G  
1154 768508 2015-03-01 MUSKEG H  
1154 768509 2017-08-01 MUSKEG I  
1154 768510 2015-08-01 MUSKEG J  
1154 768511 2015-11-01 MUSKEG K  
1154 768512 2016-02-01 MUSKEG L

1154 772101 2008-06-01 KEG RIVER A  
1154 772103 2015-05-01 KEG RIVER C  
1154 772104 2010-04-01 KEG RIVER D  
1154 772105 2008-06-01 KEG RIVER E  
1154 772106 2008-06-01 KEG RIVER F  
1154 772107 2014-02-01 KEG RIVER G  
1154 772108 2013-07-01 KEG RIVER H  
1154 772109 2008-06-01 KEG RIVER I  
1154 772110 2012-04-01 KEG RIVER J  
1154 772111 2013-05-01 KEG RIVER K  
1154 772112 2014-01-01 KEG RIVER L

**SPACING PATTERN**

SU 4353 15 Nov 2006  
SU 4353A 6 Jun 2007

**SUBSURFACE DISPOSAL SCHEMES**

App 8436C 4 Aug 2016  
Class II  
Strategic Oil & Gas Ltd.

App 10317A  
Class III  
Strategic Oil & Gas Ltd.

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

App 10253B 28 Jan 2013  
Class III Acid Gas  
Strategic Oil & Gas Ltd.



**MARSH FIELD**  
**August 2017****1155**  
**Page 1 of 2****FIELD DESIGNATION**

1155 2011-02-01            MARSH FIELD

**POOL DESIGNATION**1155 126001 2001-02-01    BELLY RIVER A  
1155 126002 2015-11-01    BELLY RIVER B  
1155 126003 2015-12-01    BELLY RIVER C1155 176005 2011-11-01    CARDIUM E  
1155 176007 2011-09-01    CARDIUM G  
1155 176008 2013-12-01    CARDIUM H  
1155 176010 2012-01-01    CARDIUM J  
1155 176011 2011-10-01    CARDIUM K  
1155 176012 2013-10-01    CARDIUM L  
1155 176013 2013-10-01    CARDIUM M  
1155 176014 2013-11-01    CARDIUM N1155 192002 2012-01-01    DUNVEGAN B  
1155 192003 2011-02-01    DUNVEGAN C  
1155 192004 2011-12-01    DUNVEGAN D  
1155 192005 2011-02-01    DUNVEGAN E  
1155 192006 2011-08-01    DUNVEGAN F  
1155 192007 2012-01-01    DUNVEGAN G  
1155 192008 2012-03-01    DUNVEGAN H  
1155 192009 2014-01-01    DUNVEGAN I

1155 218001 2013-01-01    VIKING A

1155 228001 2014-01-01    PEACE RIVER A

1155 250001 2012-03-01    UPPER MANNVILLE A

1155 264001 2016-01-01    SPIRIT RIVER A  
1155 264002 2011-12-01    SPIRIT RIVER B  
1155 264003 2011-02-01    SPIRIT RIVER C  
1155 264004 2011-08-01    SPIRIT RIVER D

**POOL DESIGNATION (cont'd)**

|                        |                |
|------------------------|----------------|
| 1155 264005 2011-10-01 | SPIRIT RIVER E |
| 1155 264006 2011-12-01 | SPIRIT RIVER F |
| 1155 264007 2013-12-01 | SPIRIT RIVER G |
| 1155 304001 2011-08-01 | BLUESKY A      |
| 1155 326001 2010-12-01 | GETHING A      |
| 1155 326002 2008-02-01 | GETHING B      |
| 1155 326003 2012-01-01 | GETHING C      |
| 1155 326004 2011-02-01 | GETHING D      |
| 1155 326005 2011-08-01 | GETHING E      |
| 1155 326006 2011-02-01 | GETHING F      |
| 1155 326007 2011-10-01 | GETHING G      |
| 1155 326008 2014-01-01 | GETHING H      |
| 1155 348003 2012-01-01 | CADOMIN C      |
| 1155 348005 2012-01-01 | CADOMIN E      |
| 1155 348006 2011-02-01 | CADOMIN F      |
| 1155 348007 2011-12-01 | CADOMIN G      |
| 1155 348008 2011-10-01 | CADOMIN H      |
| 1155 348009 2011-12-01 | CADOMIN I      |
| 1155 408001 2011-10-01 | NIKANASSIN A   |
| 1155 408002 2011-06-01 | NIKANASSIN B   |
| 1155 408003 2011-06-01 | NIKANASSIN C   |
| 1155 658001 2001-07-01 | WABAMUN A      |
| 1155 658002 2003-06-01 | WABAMUN B      |
| 1155 720001 2002-06-01 | LEDUC A        |
| 1155 732001 2003-07-01 | COOKING LAKE A |

**FIELD DESIGNATION**

0616 2010-02-01                      MARTEN FIELD

**POOL DESIGNATION**

0616 218001 2001-11-01            VIKING A  
0616 218002 2004-06-01            VIKING B  
0616 218003 2011-08-01            VIKING C  
0616 218004 2005-03-01            VIKING D  
0616 218005 2010-10-01            VIKING E  
0616 218006 2010-01-01            VIKING F  
0616 218007 2006-04-01            VIKING G  
0616 218008 2008-12-01            VIKING H  
0616 218009 2010-01-01            VIKING I  
0616 218010 2010-01-01            VIKING J

0616 250001 2011-11-01            UPPER MANNVILLE A  
0616 250002 2011-11-01            UPPER MANNVILLE B

0616 262001 2010-04-01            GRAND RAPIDS A  
0616 262002 2007-03-01            GRAND RAPIDS B  
0616 262003 2001-02-01            GRAND RAPIDS C  
0616 262014 2004-07-01            GRAND RAPIDS N  
0616 262016 2005-03-01            GRAND RAPIDS P  
0616 262017 2007-03-01            GRAND RAPIDS Q  
0616 262018 2005-06-01            GRAND RAPIDS R  
0616 262019 2010-04-01            GRAND RAPIDS S  
0616 262020 2011-12-01            GRAND RAPIDS T  
0616 262021 2006-03-01            GRAND RAPIDS U  
0616 262022 2006-04-01            GRAND RAPIDS V  
0616 262023 2012-02-01            GRAND RAPIDS W  
0616 262024 2007-01-01            GRAND RAPIDS X  
0616 262025 2007-03-01            GRAND RAPIDS Y  
0616 262026 2009-02-01            GRAND RAPIDS Z  
0616 262027 2011-01-01            GRAND RAPIDS AA  
0616 262028 2011-01-01            GRAND RAPIDS BB  
0616 262029 2011-01-01            GRAND RAPIDS CC

**POOL DESIGNATION (cont'd)**

|                        |                 |
|------------------------|-----------------|
| 0616 262031 2013-02-01 | GRAND RAPIDS EE |
| 0616 280001 2010-04-01 | CLEARWATER A    |
| 0616 280003 2006-12-01 | CLEARWATER C    |
| 0616 280004 2001-03-01 | CLEARWATER D    |
| 0616 280007 2010-04-01 | CLEARWATER G    |
| 0616 280013 2010-04-01 | CLEARWATER M    |
| 0616 280042 2005-04-01 | CLEARWATER PP   |
| 0616 280049 2007-02-01 | CLEARWATER WW   |
| 0616 280050 2009-12-01 | CLEARWATER XX   |
| 0616 280051 2005-11-01 | CLEARWATER YY   |
| 0616 280052 2006-03-01 | CLEARWATER ZZ   |
| 0616 280201 2010-04-01 | CLEARWATER AAA  |
| 0616 280204 2010-04-01 | CLEARWATER DDD  |
| 0616 280205 2011-12-01 | CLEARWATER EEE  |
| 0616 280206 2007-12-01 | CLEARWATER FFF  |
| 0616 280207 2010-01-01 | CLEARWATER GGG  |
| 0616 280208 2010-01-01 | CLEARWATER HHH  |
| 0616 280209 2010-01-01 | CLEARWATER III  |
| 0616 280210 2010-01-01 | CLEARWATER JJJ  |
| 0616 280211 2010-01-01 | CLEARWATER KKK  |
| 0616 280212 2010-01-01 | CLEARWATER LLL  |
| 0616 306001 2010-04-01 | WABISKAW A      |
| 0616 306002 2010-04-01 | WABISKAW B      |
| 0616 306003 2001-02-01 | WABISKAW C      |
| 0616 306004 2010-04-01 | WABISKAW D      |
| 0616 306005 2001-02-01 | WABISKAW E      |
| 0616 306006 2001-02-01 | WABISKAW F      |
| 0616 306007 2005-09-01 | WABISKAW G      |
| 0616 306008 2010-04-01 | WABISKAW H      |
| 0616 306009 2010-04-01 | WABISKAW I      |
| 0616 306013 2004-08-01 | WABISKAW M      |
| 0616 306014 2005-05-01 | WABISKAW N      |
| 0616 306015 2006-04-01 | WABISKAW O      |
| 0616 306016 2007-01-01 | WABISKAW P      |
| 0616 306017 2010-04-01 | WABISKAW Q      |
| 0616 306018 2008-05-01 | WABISKAW R      |

**POOL DESIGNATION (cont'd)**

0616 306019 2010-04-01 WABISKAW S

0616 644001 2004-10-01 BANFF A

0616 644002 2005-03-01 BANFF B

0616 658001 2009-10-01 WABAMUN A

**COMMINGLED PRODUCTION**

MU 6797 6 Feb 2008

**SUBSURFACE DISPOSAL SCHEMES**

App 11110A 23 Feb 2017

Class II

Firenze Energy Ltd.

App 11219 18 Jul 2008

Class II

Northpine Energy Ltd.

**FIELD DESIGNATION**

0597 2013-11-01                      MARTEN HILLS FIELD

**POOL DESIGNATION**

0597 186001 2001-02-01            SECOND WHITE SPECKS A  
0597 186002 2001-02-01            SECOND WHITE SPECKS B

0597 218002 2010-04-01            VIKING B  
0597 218003 2010-04-01            VIKING C  
0597 218004 2001-02-01            VIKING D  
0597 218005 2003-04-01            VIKING E  
0597 218006 2001-02-01            VIKING F  
0597 218007 2001-04-01            VIKING G  
0597 218008 2002-05-01            VIKING H  
0597 218009 2002-11-01            VIKING I  
0597 218010 2003-07-01            VIKING J  
0597 218011 2012-02-01            VIKING K  
0597 218012 2012-08-01            VIKING L  
0597 218013 2013-11-01            VIKING M

0597 262001 2010-04-01            GRAND RAPIDS A  
0597 262002 2010-04-01            GRAND RAPIDS B  
0597 262003 2001-03-01            GRAND RAPIDS C  
0597 262004 2001-02-01            GRAND RAPIDS D  
0597 262006 2001-02-01            GRAND RAPIDS F  
0597 262007 2001-02-01            GRAND RAPIDS G  
0597 262008 2008-02-01            GRAND RAPIDS H  
0597 262009 2002-12-01            GRAND RAPIDS I  
0597 262010 2001-02-01            GRAND RAPIDS J  
0597 262011 2010-04-01            GRAND RAPIDS K  
0597 262012 2010-01-01            GRAND RAPIDS L  
0597 262013 2010-04-01            GRAND RAPIDS M  
0597 262014 2001-02-01            GRAND RAPIDS N  
0597 262015 2010-04-01            GRAND RAPIDS O  
0597 262016 2001-02-01            GRAND RAPIDS P  
0597 262017 2001-02-01            GRAND RAPIDS Q

**POOL DESIGNATION (cont'd)**

|                        |                  |
|------------------------|------------------|
| 0597 262018 2001-02-01 | GRAND RAPIDS R   |
| 0597 262019 2001-03-01 | GRAND RAPIDS S   |
| 0597 262020 2001-02-01 | GRAND RAPIDS T   |
| 0597 262021 2001-03-01 | GRAND RAPIDS U   |
| 0597 262022 2001-02-01 | GRAND RAPIDS V   |
| 0597 262023 2001-02-01 | GRAND RAPIDS W   |
| 0597 262024 2014-03-01 | GRAND RAPIDS X   |
| 0597 262025 2001-02-01 | GRAND RAPIDS Y   |
| 0597 262026 2008-10-01 | GRAND RAPIDS Z   |
| 0597 262027 2001-02-01 | GRAND RAPIDS AA  |
| 0597 262028 2005-12-01 | GRAND RAPIDS BB  |
| 0597 262029 2010-04-01 | GRAND RAPIDS CC  |
| 0597 262030 2003-06-01 | GRAND RAPIDS DD  |
| 0597 262031 2001-02-01 | GRAND RAPIDS EE  |
| 0597 262032 2008-10-01 | GRAND RAPIDS FF  |
| 0597 262033 2001-02-01 | GRAND RAPIDS GG  |
| 0597 262034 2001-02-01 | GRAND RAPIDS HH  |
| 0597 262035 2010-04-01 | GRAND RAPIDS II  |
| 0597 262036 2001-02-01 | GRAND RAPIDS JJ  |
| 0597 262037 2001-02-01 | GRAND RAPIDS KK  |
| 0597 262038 2001-02-01 | GRAND RAPIDS LL  |
| 0597 262039 2001-02-01 | GRAND RAPIDS MM  |
| 0597 262040 2010-04-01 | GRAND RAPIDS NN  |
| 0597 262042 2010-04-01 | GRAND RAPIDS PP  |
| 0597 262044 2001-08-01 | GRAND RAPIDS RR  |
| 0597 262045 2001-02-01 | GRAND RAPIDS SS  |
| 0597 262047 2001-02-01 | GRAND RAPIDS UU  |
| 0597 262048 2012-02-01 | GRAND RAPIDS VV  |
| 0597 262049 2001-02-01 | GRAND RAPIDS WW  |
| 0597 262050 2013-10-01 | GRAND RAPIDS XX  |
| 0597 262051 2010-08-01 | GRAND RAPIDS YY  |
| 0597 262052 2001-02-01 | GRAND RAPIDS ZZ  |
| 0597 262501 2001-02-01 | GRAND RAPIDS AAA |
| 0597 262502 2001-02-01 | GRAND RAPIDS BBB |
| 0597 262503 2001-02-01 | GRAND RAPIDS CCC |
| 0597 262504 2001-03-01 | GRAND RAPIDS DDD |
| 0597 262505 2001-02-01 | GRAND RAPIDS EEE |
| 0597 262506 2009-11-01 | GRAND RAPIDS FFF |

**POOL DESIGNATION (cont'd)**

|                        |                  |
|------------------------|------------------|
| 0597 262507 2013-11-01 | GRAND RAPIDS GGG |
| 0597 262509 2001-02-01 | GRAND RAPIDS III |
| 0597 262510 2001-02-01 | GRAND RAPIDS JJJ |
| 0597 262511 2001-02-01 | GRAND RAPIDS KKK |
| 0597 262512 2001-02-01 | GRAND RAPIDS LLL |
| 0597 262513 2001-02-01 | GRAND RAPIDS MMM |
| 0597 262514 2008-02-01 | GRAND RAPIDS NNN |
| 0597 262515 2001-02-01 | GRAND RAPIDS OOO |
| 0597 262516 2001-02-01 | GRAND RAPIDS PPP |
| 0597 262517 2004-04-01 | GRAND RAPIDS QQQ |
| 0597 262518 2001-02-01 | GRAND RAPIDS RRR |
| 0597 262519 2010-04-01 | GRAND RAPIDS SSS |
| 0597 262520 2001-02-01 | GRAND RAPIDS TTT |
| 0597 262521 2010-04-01 | GRAND RAPIDS UUU |
| 0597 262522 2004-09-01 | GRAND RAPIDS VVV |
| 0597 262523 2004-09-01 | GRAND RAPIDS WWW |
| 0597 262525 2010-04-01 | GRAND RAPIDS YYY |
| 0597 262526 2001-02-01 | GRAND RAPIDS ZZZ |
| 0597 262527 2001-02-01 | GRAND RAPIDS A2A |
| 0597 262528 2013-04-01 | GRAND RAPIDS B2B |
| 0597 262529 2009-05-01 | GRAND RAPIDS C2C |
| 0597 262530 2001-08-01 | GRAND RAPIDS D2D |
| 0597 262531 2001-08-01 | GRAND RAPIDS E2E |
| 0597 262532 2001-03-01 | GRAND RAPIDS F2F |
| 0597 262533 2001-03-01 | GRAND RAPIDS G2G |
| 0597 262534 2001-03-01 | GRAND RAPIDS H2H |
| 0597 262535 2001-03-01 | GRAND RAPIDS I2I |
| 0597 262536 2001-03-01 | GRAND RAPIDS J2J |
| 0597 262537 2001-03-01 | GRAND RAPIDS K2K |
| 0597 262538 2001-03-01 | GRAND RAPIDS L2L |
| 0597 262539 2001-03-01 | GRAND RAPIDS M2M |
| 0597 262540 2010-04-01 | GRAND RAPIDS N2N |
| 0597 262541 2010-04-01 | GRAND RAPIDS O2O |
| 0597 262542 2002-07-01 | GRAND RAPIDS P2P |
| 0597 262543 2010-04-01 | GRAND RAPIDS Q2Q |
| 0597 262544 2001-03-01 | GRAND RAPIDS R2R |
| 0597 262545 2001-03-01 | GRAND RAPIDS S2S |
| 0597 262546 2013-10-01 | GRAND RAPIDS T2T |



**POOL DESIGNATION (cont'd)**

|                        |                  |
|------------------------|------------------|
| 0597 262547 2005-05-01 | GRAND RAPIDS U2U |
| 0597 262548 2013-10-01 | GRAND RAPIDS V2V |
| 0597 262549 2001-04-01 | GRAND RAPIDS W2W |
| 0597 262550 2001-04-01 | GRAND RAPIDS X2X |
| 0597 262551 2001-05-01 | GRAND RAPIDS Y2Y |
| 0597 262552 2004-07-01 | GRAND RAPIDS Z2Z |
| 0597 263401 2004-08-01 | GRAND RAPIDS A3A |
| 0597 263402 2007-04-01 | GRAND RAPIDS B3B |
| 0597 263403 2007-04-01 | GRAND RAPIDS C3C |
| 0597 263404 2004-06-01 | GRAND RAPIDS D3D |
| 0597 263405 2002-03-01 | GRAND RAPIDS E3E |
| 0597 263406 2010-04-01 | GRAND RAPIDS F3F |
| 0597 263407 2001-07-01 | GRAND RAPIDS G3G |
| 0597 263408 2001-07-01 | GRAND RAPIDS H3H |
| 0597 263409 2001-05-01 | GRAND RAPIDS I3I |
| 0597 263410 2001-05-01 | GRAND RAPIDS J3J |
| 0597 263411 2004-02-01 | GRAND RAPIDS K3K |
| 0597 263412 2004-02-01 | GRAND RAPIDS L3L |
| 0597 263413 2004-02-01 | GRAND RAPIDS M3M |
| 0597 263414 2002-03-01 | GRAND RAPIDS N3N |
| 0597 263415 2001-05-01 | GRAND RAPIDS O3O |
| 0597 263416 2001-05-01 | GRAND RAPIDS P3P |
| 0597 263417 2001-08-01 | GRAND RAPIDS Q3Q |
| 0597 263418 2001-09-01 | GRAND RAPIDS R3R |
| 0597 263419 2001-09-01 | GRAND RAPIDS S3S |
| 0597 263420 2001-11-01 | GRAND RAPIDS T3T |
| 0597 263421 2002-02-01 | GRAND RAPIDS U3U |
| 0597 263422 2002-02-01 | GRAND RAPIDS V3V |
| 0597 263423 2002-04-01 | GRAND RAPIDS W3W |
| 0597 263424 2002-06-01 | GRAND RAPIDS X3X |
| 0597 263425 2002-06-01 | GRAND RAPIDS Y3Y |
| 0597 263426 2002-06-01 | GRAND RAPIDS Z3Z |
| 0597 263427 2002-06-01 | GRAND RAPIDS A4A |
| 0597 263428 2002-08-01 | GRAND RAPIDS B4B |
| 0597 263429 2003-02-01 | GRAND RAPIDS C4C |
| 0597 263430 2017-04-01 | GRAND RAPIDS D4D |
| 0597 263431 2002-10-01 | GRAND RAPIDS E4E |
| 0597 263432 2002-10-01 | GRAND RAPIDS F4F |

**POOL DESIGNATION (cont'd)**

|                        |                  |
|------------------------|------------------|
| 0597 263433 2009-11-01 | GRAND RAPIDS G4G |
| 0597 263434 2010-04-01 | GRAND RAPIDS H4H |
| 0597 263435 2009-01-01 | GRAND RAPIDS I4I |
| 0597 263436 2003-11-01 | GRAND RAPIDS J4J |
| 0597 263437 2003-12-01 | GRAND RAPIDS K4K |
| 0597 263438 2010-04-01 | GRAND RAPIDS L4L |
| 0597 263439 2010-04-01 | GRAND RAPIDS M4M |
| 0597 263440 2004-07-01 | GRAND RAPIDS N4N |
| 0597 263441 2004-09-01 | GRAND RAPIDS O4O |
| 0597 263442 2013-09-01 | GRAND RAPIDS P4P |
| 0597 263443 2005-03-01 | GRAND RAPIDS Q4Q |
| 0597 263444 2010-04-01 | GRAND RAPIDS R4R |
| 0597 263445 2006-10-01 | GRAND RAPIDS S4S |
| 0597 263446 2010-04-01 | GRAND RAPIDS T4T |
| 0597 263447 2005-04-01 | GRAND RAPIDS U4U |
| 0597 263448 2014-06-01 | GRAND RAPIDS V4V |
| 0597 263449 2014-06-01 | GRAND RAPIDS W4W |
| 0597 263450 2014-06-01 | GRAND RAPIDS X4X |
| 0597 263451 2014-06-01 | GRAND RAPIDS Y4Y |
| 0597 263452 2009-10-01 | GRAND RAPIDS Z4Z |
| 0597 263801 2009-11-01 | GRAND RAPIDS A5A |
| 0597 263802 2010-04-01 | GRAND RAPIDS B5B |
| 0597 263804 2005-08-01 | GRAND RAPIDS D5D |
| 0597 263805 2005-09-01 | GRAND RAPIDS E5E |
| 0597 263806 2010-08-01 | GRAND RAPIDS F5F |
| 0597 263807 2005-09-01 | GRAND RAPIDS G5G |
| 0597 263808 2005-09-01 | GRAND RAPIDS H5H |
| 0597 263809 2005-09-01 | GRAND RAPIDS I5I |
| 0597 263810 2005-09-01 | GRAND RAPIDS J5J |
| 0597 263811 2005-09-01 | GRAND RAPIDS K5K |
| 0597 263812 2005-09-01 | GRAND RAPIDS L5L |
| 0597 263813 2005-09-01 | GRAND RAPIDS M5M |
| 0597 263814 2010-04-01 | GRAND RAPIDS N5N |
| 0597 263815 2010-08-01 | GRAND RAPIDS O5O |
| 0597 263816 2005-09-01 | GRAND RAPIDS P5P |
| 0597 263817 2010-08-01 | GRAND RAPIDS Q5Q |
| 0597 263818 2010-08-01 | GRAND RAPIDS R5R |
| 0597 263819 2005-10-01 | GRAND RAPIDS S5S |

**POOL DESIGNATION (cont'd)**

|                        |                  |
|------------------------|------------------|
| 0597 263820 2005-10-01 | GRAND RAPIDS T5T |
| 0597 263822 2006-01-01 | GRAND RAPIDS V5V |
| 0597 263823 2006-01-01 | GRAND RAPIDS W5W |
| 0597 263824 2006-01-01 | GRAND RAPIDS X5X |
| 0597 263825 2006-01-01 | GRAND RAPIDS Y5Y |
| 0597 263826 2006-05-01 | GRAND RAPIDS Z5Z |
| 0597 263827 2012-07-01 | GRAND RAPIDS A6A |
| 0597 263829 2006-11-01 | GRAND RAPIDS C6C |
| 0597 263830 2007-04-01 | GRAND RAPIDS D6D |
| 0597 263831 2007-06-01 | GRAND RAPIDS E6E |
| 0597 263832 2007-06-01 | GRAND RAPIDS F6F |
| 0597 263833 2007-07-01 | GRAND RAPIDS G6G |
| 0597 263834 2008-03-01 | GRAND RAPIDS H6H |
| 0597 263835 2008-06-01 | GRAND RAPIDS I6I |
| 0597 263836 2009-01-01 | GRAND RAPIDS J6J |
| 0597 263837 2009-03-01 | GRAND RAPIDS K6K |
| 0597 263838 2009-03-01 | GRAND RAPIDS L6L |
| 0597 263839 2010-04-01 | GRAND RAPIDS M6M |
| 0597 263840 2009-09-01 | GRAND RAPIDS N6N |
| 0597 263841 2010-03-01 | GRAND RAPIDS O6O |
| 0597 263842 2010-03-01 | GRAND RAPIDS P6P |
| 0597 263843 2009-10-01 | GRAND RAPIDS Q6Q |
| 0597 263844 2010-04-01 | GRAND RAPIDS R6R |
| 0597 263845 2009-11-01 | GRAND RAPIDS S6S |
| 0597 263846 2010-04-01 | GRAND RAPIDS T6T |
| 0597 263847 2009-11-01 | GRAND RAPIDS U6U |
| 0597 263848 2009-11-01 | GRAND RAPIDS V6V |
| 0597 263849 2009-11-01 | GRAND RAPIDS W6W |
| 0597 263850 2009-11-01 | GRAND RAPIDS X6X |
| 0597 263851 2010-01-01 | GRAND RAPIDS Y6Y |
| 0597 263852 2010-07-01 | GRAND RAPIDS Z6Z |
| 0597 265101 2010-12-01 | GRAND RAPIDS A7A |
| 0597 265102 2011-04-01 | GRAND RAPIDS B7B |
| 0597 265103 2013-09-01 | GRAND RAPIDS C7C |
| 0597 265104 2013-11-01 | GRAND RAPIDS D7D |
| 0597 265105 2013-12-01 | GRAND RAPIDS E7E |
| 0597 265106 2017-05-01 | GRAND RAPIDS F7F |

**POOL DESIGNATION (cont'd)**

|             |            |                |
|-------------|------------|----------------|
| 0597 280001 | 2010-04-01 | CLEARWATER A   |
| 0597 280002 | 2005-04-01 | CLEARWATER B   |
| 0597 280004 | 2010-04-01 | CLEARWATER D   |
| 0597 280005 | 2013-08-01 | CLEARWATER E   |
| 0597 280006 | 2001-02-01 | CLEARWATER F   |
| 0597 280008 | 2010-04-01 | CLEARWATER H   |
| 0597 280009 | 2010-04-01 | CLEARWATER I   |
| 0597 280010 | 2013-07-01 | CLEARWATER J   |
| 0597 280011 | 2010-04-01 | CLEARWATER K   |
| 0597 280013 | 2012-02-01 | CLEARWATER M   |
| 0597 280015 | 2005-04-01 | CLEARWATER O   |
| 0597 280026 | 2013-08-01 | CLEARWATER Z   |
| 0597 280029 | 2001-02-01 | CLEARWATER CC  |
| 0597 280032 | 2001-03-01 | CLEARWATER FF  |
| 0597 280041 | 2010-04-01 | CLEARWATER OO  |
| 0597 280046 | 2008-12-01 | CLEARWATER TT  |
| 0597 280051 | 2005-10-01 | CLEARWATER YY  |
| 0597 280214 | 2010-04-01 | CLEARWATER NNN |
| 0597 280216 | 2006-02-01 | CLEARWATER PPP |
| 0597 280224 | 2005-04-01 | CLEARWATER XXX |
| 0597 280225 | 2006-03-01 | CLEARWATER YYY |
| 0597 280226 | 2010-04-01 | CLEARWATER ZZZ |
| 0597 280228 | 2008-02-01 | CLEARWATER B2B |
| 0597 280229 | 2008-03-01 | CLEARWATER C2C |
| 0597 280230 | 2009-01-01 | CLEARWATER D2D |
| 0597 280232 | 2009-03-01 | CLEARWATER F2F |
| 0597 280233 | 2010-07-01 | CLEARWATER G2G |
| 0597 280234 | 2010-08-01 | CLEARWATER H2H |
| 0597 280235 | 2010-09-01 | CLEARWATER I2I |
| 0597 280236 | 2011-09-01 | CLEARWATER J2J |
| 0597 280237 | 2012-02-01 | CLEARWATER K2K |
| 0597 280238 | 2012-02-01 | CLEARWATER L2L |
| 0597 280239 | 2012-02-01 | CLEARWATER M2M |
| 0597 280240 | 2012-02-01 | CLEARWATER N2N |
| 0597 280241 | 2013-08-01 | CLEARWATER O2O |
| 0597 280242 | 2013-08-01 | CLEARWATER P2P |
| 0597 280243 | 2013-08-01 | CLEARWATER Q2Q |
| 0597 280244 | 2013-09-01 | CLEARWATER R2R |

**POOL DESIGNATION (cont'd)**

|             |            |             |
|-------------|------------|-------------|
| 0597 306001 | 2010-04-01 | WABISKAW A  |
| 0597 306002 | 2010-04-01 | WABISKAW B  |
| 0597 306003 | 2010-04-01 | WABISKAW C  |
| 0597 306005 | 2001-02-01 | WABISKAW E  |
| 0597 306007 | 2013-07-01 | WABISKAW G  |
| 0597 306009 | 2001-02-01 | WABISKAW I  |
| 0597 306010 | 2001-02-01 | WABISKAW J  |
| 0597 306011 | 2001-02-01 | WABISKAW K  |
| 0597 306013 | 2010-04-01 | WABISKAW M  |
| 0597 306014 | 2010-04-01 | WABISKAW N  |
| 0597 306015 | 2002-02-01 | WABISKAW O  |
| 0597 306016 | 2001-02-01 | WABISKAW P  |
| 0597 306017 | 2001-02-01 | WABISKAW Q  |
| 0597 306019 | 2001-02-01 | WABISKAW S  |
| 0597 306020 | 2001-02-01 | WABISKAW T  |
| 0597 306021 | 2001-02-01 | WABISKAW U  |
| 0597 306022 | 2007-08-01 | WABISKAW V  |
| 0597 306024 | 2009-12-01 | WABISKAW X  |
| 0597 306025 | 2010-04-01 | WABISKAW Y  |
| 0597 306026 | 2006-07-01 | WABISKAW Z  |
| 0597 306027 | 2001-02-01 | WABISKAW AA |
| 0597 306028 | 2001-03-01 | WABISKAW BB |
| 0597 306029 | 2001-03-01 | WABISKAW CC |
| 0597 306030 | 2001-03-01 | WABISKAW DD |
| 0597 306031 | 2001-03-01 | WABISKAW EE |
| 0597 306032 | 2001-06-01 | WABISKAW FF |
| 0597 306033 | 2010-04-01 | WABISKAW GG |
| 0597 306034 | 2005-04-01 | WABISKAW HH |
| 0597 306035 | 2010-04-01 | WABISKAW II |
| 0597 306036 | 2010-04-01 | WABISKAW JJ |
| 0597 306037 | 2005-04-01 | WABISKAW KK |
| 0597 306038 | 2005-04-01 | WABISKAW LL |
| 0597 306039 | 2005-07-01 | WABISKAW MM |
| 0597 306040 | 2005-09-01 | WABISKAW NN |
| 0597 306041 | 2005-09-01 | WABISKAW OO |
| 0597 306042 | 2005-09-01 | WABISKAW PP |
| 0597 306043 | 2006-02-01 | WABISKAW QQ |
| 0597 306044 | 2008-06-01 | WABISKAW RR |

**POOL DESIGNATION (cont'd)**

|                        |             |
|------------------------|-------------|
| 0597 306045 2009-01-01 | WABISKAW SS |
| 0597 306046 2010-01-01 | WABISKAW TT |
| 0597 306047 2014-06-01 | WABISKAW UU |
|                        |             |
| 0597 328001 2001-02-01 | MCMURRAY A  |
| 0597 328002 2010-04-01 | MCMURRAY B  |
| 0597 328003 2001-02-01 | MCMURRAY C  |
| 0597 328004 2001-02-01 | MCMURRAY D  |
| 0597 328005 2012-02-01 | MCMURRAY E  |
| 0597 328006 2001-02-01 | MCMURRAY F  |
| 0597 328007 2001-02-01 | MCMURRAY G  |
| 0597 328008 2001-02-01 | MCMURRAY H  |
| 0597 328009 2010-04-01 | MCMURRAY I  |
| 0597 328011 2001-03-01 | MCMURRAY K  |
| 0597 328012 2001-03-01 | MCMURRAY L  |
| 0597 328013 2002-05-01 | MCMURRAY M  |
| 0597 328014 2002-10-01 | MCMURRAY N  |
| 0597 328015 2006-06-01 | MCMURRAY O  |
| 0597 328016 2005-04-01 | MCMURRAY P  |
| 0597 328017 2005-04-01 | MCMURRAY Q  |
| 0597 328018 2011-09-01 | MCMURRAY R  |
| 0597 328019 2005-09-01 | MCMURRAY S  |
| 0597 328020 2005-09-01 | MCMURRAY T  |
| 0597 328021 2005-09-01 | MCMURRAY U  |
| 0597 328022 2010-01-01 | MCMURRAY V  |
|                        |             |
| 0597 658001 2011-05-01 | WABAMUN A   |
| 0597 658002 2010-04-01 | WABAMUN B   |
| 0597 658003 2001-02-01 | WABAMUN C   |
| 0597 658004 2001-02-01 | WABAMUN D   |
| 0597 658005 2001-02-01 | WABAMUN E   |
| 0597 658006 2005-09-01 | WABAMUN F   |
| 0597 658007 2014-03-01 | WABAMUN G   |
| 0597 658009 2011-10-01 | WABAMUN I   |

**SPACING PATTERN**

SU 2648      7 Mar 1996  
SU 2648A    11 Apr 1996  
  
SU 2699      13 Mar 1996  
SU 2699A    11 Jul 2000  
SU 2699B    12 Feb 2001  
  
SU 2924      16 Mar 1999  
SU 2924A    21 Apr 1999  
SU 2924B    17 May 2000  
SU 2924C    27 Jan 2005

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

App 10971    17 Jul 2007  
Class II  
Husky Oil Operations Limited  
  
App 10972    17 Jul 2007  
Class II  
Husky Oil Operations Ltd.

**COMMINGLED PRODUCTION**

MU 8519      30 Jul 2013

**ENHANCED RECOVERY SCHEMES**

App 3997A    24 Jan 2014  
Other  
Canadian Natural Resources Limited

**SUBSURFACE DISPOSAL SCHEMES**

App 8871C    24 Nov 2016  
Class II  
Tidewater Midstream and Infrastructure Ltd.

App 10229    23 Feb 2005  
Class II  
Husky Oil Operations Limited

App 10963    16 Jul 2007  
Class II  
Canadian Natural Resources Limited

**FIELD DESIGNATION**

0624 2006-05-01                      MARWAYNE FIELD

**POOL DESIGNATION**

|                        |          |
|------------------------|----------|
| 0624 218001 2003-06-01 | VIKING A |
| 0624 218002 2001-02-01 | VIKING B |
| 0624 218003 2004-04-01 | VIKING C |
| 0624 218004 2004-09-01 | VIKING D |
| 0624 218005 2004-09-01 | VIKING E |
| 0624 218006 2011-07-01 | VIKING F |
| 0624 218007 2011-07-01 | VIKING G |
|                        |          |
| 0624 256001 2001-02-01 | COLONY A |
| 0624 256002 2009-03-01 | COLONY B |
| 0624 256003 2001-02-01 | COLONY C |
| 0624 256004 2001-02-01 | COLONY D |
| 0624 256005 2001-02-01 | COLONY E |
| 0624 256006 2001-02-01 | COLONY F |
| 0624 256007 2015-02-01 | COLONY G |
| 0624 256008 2001-02-01 | COLONY H |
| 0624 256009 2001-02-01 | COLONY I |
| 0624 256010 2007-01-01 | COLONY J |
| 0624 256011 2001-02-01 | COLONY K |
| 0624 256012 2001-02-01 | COLONY L |
| 0624 256013 2001-02-01 | COLONY M |
| 0624 256016 2001-09-01 | COLONY P |
| 0624 256017 2001-10-01 | COLONY Q |
| 0624 256018 2001-10-01 | COLONY R |
| 0624 256019 2001-12-01 | COLONY S |
| 0624 256020 2007-09-01 | COLONY T |
| 0624 256021 2003-04-01 | COLONY U |
| 0624 256022 2002-05-01 | COLONY V |
| 0624 256023 2014-02-01 | COLONY W |
| 0624 256024 2002-06-01 | COLONY X |
| 0624 256025 2002-08-01 | COLONY Y |
| 0624 256026 2003-10-01 | COLONY Z |



**POOL DESIGNATION (cont'd)**

|                        |                |
|------------------------|----------------|
| 0624 256027 2004-02-01 | COLONY AA      |
| 0624 256028 2004-08-01 | COLONY BB      |
| 0624 256029 2005-03-01 | COLONY CC      |
| 0624 256030 2006-02-01 | COLONY DD      |
| 0624 256031 2007-06-01 | COLONY EE      |
| 0624 256032 2007-06-01 | COLONY FF      |
| 0624 256033 2007-08-01 | COLONY GG      |
| 0624 256034 2010-04-01 | COLONY HH      |
| 0624 256035 2011-07-01 | COLONY II      |
|                        |                |
| 0624 262001 2001-02-01 | GRAND RAPIDS A |
| 0624 262002 2001-02-01 | GRAND RAPIDS B |
| 0624 262003 2001-02-01 | GRAND RAPIDS C |
| 0624 262004 2010-04-01 | GRAND RAPIDS D |
| 0624 262005 2001-02-01 | GRAND RAPIDS E |
| 0624 262006 2005-03-01 | GRAND RAPIDS F |
| 0624 262007 2007-10-01 | GRAND RAPIDS G |
|                        |                |
| 0624 268001 2001-02-01 | MCLAREN A      |
| 0624 268002 2003-08-01 | MCLAREN B      |
| 0624 268003 2015-02-01 | MCLAREN C      |
| 0624 268004 2004-07-01 | MCLAREN D      |
| 0624 268005 2007-06-01 | MCLAREN E      |
|                        |                |
| 0624 270001 2001-02-01 | WASECA A       |
| 0624 270002 2010-04-01 | WASECA B       |
| 0624 270003 2001-02-01 | WASECA C       |
| 0624 270005 2015-02-01 | WASECA E       |
| 0624 270006 2005-05-01 | WASECA F       |
| 0624 270007 2012-12-01 | WASECA G       |
| 0624 270008 2007-07-01 | WASECA H       |
| 0624 270009 2012-06-01 | WASECA I       |
|                        |                |
| 0624 276004 2014-11-01 | SPARKY D       |
| 0624 276005 2001-02-01 | SPARKY E       |
| 0624 276010 2001-02-01 | SPARKY J       |
| 0624 276011 2001-02-01 | SPARKY K       |
| 0624 276013 2001-05-01 | SPARKY M       |

**POOL DESIGNATION (cont'd)**

|             |            |                     |
|-------------|------------|---------------------|
| 0624 276015 | 2007-08-01 | SPARKY O            |
| 0624 276016 | 2008-07-01 | SPARKY P            |
| 0624 276017 | 2009-09-01 | SPARKY Q            |
| 0624 276018 | 2014-10-01 | SPARKY R            |
|             |            |                     |
| 0624 286004 | 2012-08-01 | GENERAL PETROLEUM D |
|             |            |                     |
| 0624 288001 | 2010-08-01 | REX A               |
| 0624 288002 | 2001-03-01 | REX B               |
| 0624 288003 | 2003-06-01 | REX C               |
| 0624 288004 | 2006-10-01 | REX D               |
| 0624 288005 | 2004-08-01 | REX E               |
| 0624 288006 | 2007-02-01 | REX F               |
|             |            |                     |
| 0624 294001 | 2001-02-01 | LLOYDMINSTER A      |
| 0624 294002 | 2003-07-01 | LLOYDMINSTER B      |
|             |            |                     |
| 0624 302001 | 2010-06-01 | CUMMINGS A          |

**SPACING PATTERN**

|          |             |
|----------|-------------|
| SU 4078  | 9 May 2003  |
| SU 4078A | 15 Oct 2003 |
| SU 4078B | 13 May 2004 |
| SU 4078C | 8 Apr 2005  |
| SU 4078D | 2 Mar 2006  |

**COMMINGLED PRODUCTION**

|         |             |
|---------|-------------|
| MU 6901 | 15 Jul 2008 |
|---------|-------------|

**SUBSURFACE DISPOSAL SCHEMES**

|                              |             |
|------------------------------|-------------|
| App 9812                     | 22 Mar 2004 |
| Class II                     |             |
| Husky Oil Operations Limited |             |

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

|                                    |             |
|------------------------------------|-------------|
| App 10265A                         | 17 Mar 2009 |
| Class II                           |             |
| Canadian Natural Resources Limited |             |

|                          |             |
|--------------------------|-------------|
| App 10886A               | 11 Feb 2013 |
| Class II                 |             |
| Devon Canada Corporation |             |

**FIELD DESIGNATION**

0598 2010-07-01 MATZIWIN FIELD

**POOL DESIGNATION**

0598 160001 2005-12-01 COLORADO A

0598 162001 2010-09-01 FIRST WHITE SPECKS A

0598 162003 2003-02-01 FIRST WHITE SPECKS C

0598 162004 2003-02-01 FIRST WHITE SPECKS D

0598 162006 2006-03-01 FIRST WHITE SPECKS F

0598 186002 2003-01-01 SECOND WHITE SPECKS B

0598 202001 2003-04-01 FISH SCALE A

0598 202002 2004-11-01 FISH SCALE B

0598 218002 2010-04-01 VIKING B

0598 218004 2010-04-01 VIKING D

0598 218005 2001-02-01 VIKING E

0598 242001 2001-02-01 BASAL COLORADO A

0598 242002 2001-02-01 BASAL COLORADO B

0598 242003 2001-03-01 BASAL COLORADO C

0598 242004 2001-06-01 BASAL COLORADO D

0598 242005 2001-09-01 BASAL COLORADO E

0598 250001 2001-04-01 UPPER MANNVILLE A

0598 250002 2001-02-01 UPPER MANNVILLE B

0598 250003 2011-09-01 UPPER MANNVILLE C

0598 250004 2001-02-01 UPPER MANNVILLE D

0598 250005 2001-02-01 UPPER MANNVILLE E

0598 250006 2001-12-01 UPPER MANNVILLE F

0598 250007 2003-11-01 UPPER MANNVILLE G

0598 250008 2002-08-01 UPPER MANNVILLE H

0598 250009 2003-11-01 UPPER MANNVILLE I

0598 250010 2003-04-01 UPPER MANNVILLE J

**POOL DESIGNATION (cont'd)**

|             |            |                   |
|-------------|------------|-------------------|
| 0598 250011 | 2006-06-01 | UPPER MANNVILLE K |
| 0598 250012 | 2006-12-01 | UPPER MANNVILLE L |
| 0598 250013 | 2007-06-01 | UPPER MANNVILLE M |
| 0598 250014 | 2007-06-01 | UPPER MANNVILLE N |
| 0598 250015 | 2007-06-01 | UPPER MANNVILLE O |
| 0598 250016 | 2008-03-01 | UPPER MANNVILLE P |
| 0598 250017 | 2008-10-01 | UPPER MANNVILLE Q |
| 0598 250018 | 2009-05-01 | UPPER MANNVILLE R |
| 0598 250019 | 2009-08-01 | UPPER MANNVILLE S |
| 0598 250020 | 2014-11-01 | UPPER MANNVILLE T |
| 0598 250021 | 2010-01-01 | UPPER MANNVILLE U |
| 0598 250022 | 2010-01-01 | UPPER MANNVILLE V |
| 0598 250023 | 2010-01-01 | UPPER MANNVILLE W |
| 0598 250024 | 2010-05-01 | UPPER MANNVILLE X |
| 0598 250025 | 2010-06-01 | UPPER MANNVILLE Y |
| 0598 250026 | 2011-10-01 | UPPER MANNVILLE Z |
|             |            |                   |
| 0598 300001 | 2001-02-01 | GLAUCONITIC A     |
| 0598 300002 | 2004-05-01 | GLAUCONITIC B     |
| 0598 300003 | 2013-11-01 | GLAUCONITIC C     |
| 0598 300004 | 2001-02-01 | GLAUCONITIC D     |
| 0598 300005 | 2001-02-01 | GLAUCONITIC E     |
| 0598 300006 | 2001-02-01 | GLAUCONITIC F     |
| 0598 300007 | 2001-02-01 | GLAUCONITIC G     |
| 0598 300009 | 2001-02-01 | GLAUCONITIC I     |
| 0598 300010 | 2001-02-01 | GLAUCONITIC J     |
| 0598 300011 | 2001-02-01 | GLAUCONITIC K     |
| 0598 300013 | 2001-11-01 | GLAUCONITIC M     |
| 0598 300015 | 2001-02-01 | GLAUCONITIC O     |
| 0598 300016 | 2001-02-01 | GLAUCONITIC P     |
| 0598 300017 | 2001-03-01 | GLAUCONITIC Q     |
| 0598 300018 | 2001-06-01 | GLAUCONITIC R     |
| 0598 300019 | 2001-09-01 | GLAUCONITIC S     |
| 0598 300021 | 2002-06-01 | GLAUCONITIC U     |
| 0598 300022 | 2012-07-01 | GLAUCONITIC V     |
| 0598 300023 | 2001-12-01 | GLAUCONITIC W     |
| 0598 300024 | 2002-04-01 | GLAUCONITIC X     |
| 0598 300025 | 2010-04-01 | GLAUCONITIC Y     |

**POOL DESIGNATION (cont'd)**

|                        |                   |
|------------------------|-------------------|
| 0598 300026 2003-07-01 | GLAUCONITIC Z     |
| 0598 300027 2005-10-01 | GLAUCONITIC AA    |
| 0598 300028 2004-02-01 | GLAUCONITIC BB    |
| 0598 300029 2004-04-01 | GLAUCONITIC CC    |
| 0598 300030 2013-11-01 | GLAUCONITIC DD    |
| 0598 300032 2007-04-01 | GLAUCONITIC FF    |
| 0598 300033 2004-12-01 | GLAUCONITIC GG    |
| 0598 300034 2005-10-01 | GLAUCONITIC HH    |
| 0598 300035 2006-01-01 | GLAUCONITIC II    |
| 0598 300036 2006-12-01 | GLAUCONITIC JJ    |
| 0598 300037 2010-02-01 | GLAUCONITIC KK    |
| 0598 300038 2006-10-01 | GLAUCONITIC LL    |
| 0598 300039 2007-01-01 | GLAUCONITIC MM    |
| 0598 300040 2007-06-01 | GLAUCONITIC NN    |
| 0598 300041 2007-06-01 | GLAUCONITIC OO    |
| 0598 300042 2008-10-01 | GLAUCONITIC PP    |
| 0598 300043 2009-02-01 | GLAUCONITIC QQ    |
| 0598 300044 2009-02-01 | GLAUCONITIC RR    |
| 0598 300045 2011-10-01 | GLAUCONITIC SS    |
| 0598 300046 2011-10-01 | GLAUCONITIC TT    |
| 0598 300047 2012-05-01 | GLAUCONITIC UU    |
| 0598 300048 2013-07-01 | GLAUCONITIC VV    |
| 0598 310001 2001-02-01 | LOWER MANNVILLE A |
| 0598 310002 2001-02-01 | LOWER MANNVILLE B |
| 0598 310003 2001-02-01 | LOWER MANNVILLE C |
| 0598 310005 2005-07-01 | LOWER MANNVILLE E |
| 0598 310006 2001-03-01 | LOWER MANNVILLE F |
| 0598 310007 2001-02-01 | LOWER MANNVILLE G |
| 0598 310008 2001-02-01 | LOWER MANNVILLE H |
| 0598 310009 2001-02-01 | LOWER MANNVILLE I |
| 0598 310010 2001-02-01 | LOWER MANNVILLE J |
| 0598 310011 2001-02-01 | LOWER MANNVILLE K |
| 0598 310012 2001-02-01 | LOWER MANNVILLE L |
| 0598 310013 2001-03-01 | LOWER MANNVILLE M |
| 0598 310014 2001-04-01 | LOWER MANNVILLE N |
| 0598 310015 2008-04-01 | LOWER MANNVILLE O |
| 0598 310016 2009-02-01 | LOWER MANNVILLE P |

**POOL DESIGNATION (cont'd)**

|             |            |                       |
|-------------|------------|-----------------------|
| 0598 310017 | 2010-07-01 | LOWER MANNVILLE Q     |
| 0598 310018 | 2012-01-01 | LOWER MANNVILLE R     |
| 0598 642001 | 2013-04-01 | PEKISKO A             |
| 0598 642004 | 2014-02-01 | PEKISKO D             |
| 0598 642006 | 2010-01-01 | PEKISKO F             |
| 0598 642007 | 2010-01-01 | PEKISKO G             |
| 0598 642008 | 2013-01-01 | PEKISKO H             |
| 0598 642009 | 2016-10-01 | PEKISKO I             |
| 0598 642010 | 2015-03-01 | PEKISKO J             |
| 0598 644001 | 2001-02-01 | BANFF A               |
| 0598 644004 | 2014-09-01 | BANFF D               |
| 0598 850100 | 2010-07-01 | MFP8501 MILK RIVER    |
| 0598 850200 | 2010-08-01 | MFP8502 MED HAT       |
| 0598 850500 | 2010-04-01 | MFP8505 2WS           |
| 0598 850600 | 2011-01-01 | MFP8506 BELLY RIVER   |
| 0598 854300 | 2011-04-01 | MFP8543 BSL BELLY RIV |

**SPACING PATTERN**

|          |             |
|----------|-------------|
| SU 4201  | 21 Jul 2004 |
| SU 4201A | 7 Oct 2004  |
| SU 4201B | 28 Oct 2004 |
| SU 4201C | 26 Jan 2005 |
| SU 4201D | 23 Aug 2005 |
| SU 4201E | 1 Dec 2005  |
| SU 4201F | 6 Jun 2006  |

**ENHANCED RECOVERY SCHEMES**

App 12167C 14 Dec 2015  
Waterflood  
Gluconitic DD  
Journey Energy Inc.

**COMMINGLED PRODUCTION**

MU 7579 27 Oct 2010

**FIELD DESIGNATION**

1156 2005-05-01                      MAX FIELD

**POOL DESIGNATION**

1156 262001 2010-09-01            GRAND RAPIDS A

1156 328001 2001-03-01            MCMURRAY A

1156 328002 2004-09-01            MCMURRAY B

1156 328003 2004-10-01            MCMURRAY C

1156 696001 2001-02-01            NISKU A

1156 696002 2005-05-01            NISKU B

**FIELD DESIGNATION**

1163 2005-08-01                    MCGOWAN FIELD

**POOL DESIGNATION**

1163 192001 2009-07-01        DUNVEGAN A

1163 326001 2003-05-01        GETHING A

1163 524001 2005-08-01        MONTNEY A



**FIELD DESIGNATION**

0626 2010-04-01 MCGREGOR FIELD

**POOL DESIGNATION**

0626 126007 2007-06-01 BELLY RIVER G

0626 162001 2005-12-01 FIRST WHITE SPECKS A  
0626 162002 2010-11-01 FIRST WHITE SPECKS B

0626 213001 2007-03-01 BOW ISLAND A  
0626 213002 2001-02-01 BOW ISLAND B  
0626 213003 2004-03-01 BOW ISLAND C  
0626 213004 2001-06-01 BOW ISLAND D  
0626 213005 2003-09-01 BOW ISLAND E  
0626 213006 2003-07-01 BOW ISLAND F  
0626 213007 2005-09-01 BOW ISLAND G  
0626 213008 2006-06-01 BOW ISLAND H

0626 300001 2002-06-01 GLAUCONITIC A  
0626 300002 2001-02-01 GLAUCONITIC B  
0626 300003 2004-08-01 GLAUCONITIC C  
0626 300004 2001-02-01 GLAUCONITIC D  
0626 300005 2004-01-01 GLAUCONITIC E  
0626 300006 2010-07-01 GLAUCONITIC F

0626 332001 2008-10-01 SUNBURST A

0626 850100 2011-02-01 MFP8501 MILK RIVER

0626 850200 2010-08-01 MFP8502 MED HAT

0626 854300 2011-04-01 MFP8543 BSL BELLY RIV

**SPACING PATTERN**

SU 4159      11 Mar 2004  
SU 4159A     2 Jun 2004  
SU 4159B     8 Jul 2004  
SU 4159C     17 Sep 2004  
SU 4159D     7 Apr 2005  
SU 4159E     18 Aug 2005

**COMMINGLED PRODUCTION**

MU 7552      5 Oct 2010

**SUBSURFACE DISPOSAL SCHEMES**

App 9040A    23 Oct 2012  
Class II  
Verity Energy Ltd.

**FIELD DESIGNATION**

1159 2001-02-01 MCGUFFIN FIELD

**POOL DESIGNATION**

1159 262001 2001-02-01 GRAND RAPIDS A  
1159 262002 2001-02-01 GRAND RAPIDS B  
1159 262003 2001-09-01 GRAND RAPIDS C  
1159 262004 2001-09-01 GRAND RAPIDS D  
1159 262005 2001-09-01 GRAND RAPIDS E  
1159 262006 2001-09-01 GRAND RAPIDS F  
1159 262007 2001-12-01 GRAND RAPIDS G  
1159 262008 2002-02-01 GRAND RAPIDS H  
1159 262009 2002-02-01 GRAND RAPIDS I  
1159 262010 2002-02-01 GRAND RAPIDS J  
1159 262011 2002-02-01 GRAND RAPIDS K  
1159 262012 2002-02-01 GRAND RAPIDS L  
1159 262013 2002-06-01 GRAND RAPIDS M  
1159 262014 2002-10-01 GRAND RAPIDS N  
1159 262015 2003-05-01 GRAND RAPIDS O  
1159 262016 2007-07-01 GRAND RAPIDS P  
1159 262017 2010-01-01 GRAND RAPIDS Q

1159 328001 2002-03-01 MCMURRAY A

**SPACING PATTERN**

SU 2920 10 Feb 1999

**COMMINGLED PRODUCTION**

MU 2349 1 Aug 2001

**FIELD DESIGNATION**

0627 2015-03-01 MCKINLEY FIELD

**POOL DESIGNATION**

0627 176001 2011-11-01 CARDIUM A

0627 192001 2001-03-01 DUNVEGAN A

0627 218001 2001-02-01 VIKING A

0627 232001 2001-02-01 CADOTTE A

0627 232002 2001-02-01 CADOTTE B

0627 232003 2001-02-01 CADOTTE C

0627 232004 2010-04-01 CADOTTE D

0627 232006 2001-07-01 CADOTTE F

0627 264001 2001-03-01 SPIRIT RIVER A

0627 326001 2001-02-01 GETHING A

0627 326002 2001-02-01 GETHING B

0627 326003 2001-02-01 GETHING C

0627 500001 2001-03-01 TRIASSIC A

0627 728003 2015-02-01 DUVERNAY C

0627 728004 2015-02-01 DUVERNAY D

0627 728005 2015-02-01 DUVERNAY E

0627 728006 2015-02-01 DUVERNAY F

**ENHANCED RECOVERY SCHEMES**

Waterflood

Cadotte D

Canadian Natural Resources Limited

**FIELD DESIGNATION**

0077 2007-12-01                   MCLEANS CREEK FIELD

**POOL DESIGNATION**

0077 710001 2011-11-01       IRETON A

0077 765501 2012-04-01       GILWOOD A  
0077 765503 2008-06-01       GILWOOD C  
0077 765504 2008-06-01       GILWOOD D  
0077 765506 2010-04-01       GILWOOD F  
0077 765507 2008-06-01       GILWOOD G  
0077 765509 2008-06-01       GILWOOD I  
0077 765510 2008-06-01       GILWOOD J  
0077 765511 2008-06-01       GILWOOD K  
0077 765512 2008-06-01       GILWOOD L  
0077 765513 2008-06-01       GILWOOD M  
0077 765514 2008-06-01       GILWOOD N  
0077 765515 2008-06-01       GILWOOD O  
0077 765516 2008-09-01       GILWOOD P  
0077 765517 2010-09-01       GILWOOD Q  
0077 765518 2011-12-01       GILWOOD R  
0077 765519 2013-05-01       GILWOOD S

0077 797501 2010-04-01       GRANITE WASH A  
0077 797502 2008-06-01       GRANITE WASH B  
0077 797503 2008-06-01       GRANITE WASH C  
0077 797504 2008-06-01       GRANITE WASH D  
0077 797505 2010-04-01       GRANITE WASH E  
0077 797506 2008-06-01       GRANITE WASH F  
0077 797507 2008-08-01       GRANITE WASH G  
0077 797508 2008-12-01       GRANITE WASH H  
0077 797509 2009-01-01       GRANITE WASH I  
0077 797510 2009-02-01       GRANITE WASH J  
0077 797511 2009-02-01       GRANITE WASH K  
0077 797512 2009-03-01       GRANITE WASH L  
0077 797513 2009-04-01       GRANITE WASH M

**POOL DESIGNATION (cont'd)**

|             |            |                |
|-------------|------------|----------------|
| 0077 797514 | 2009-08-01 | GRANITE WASH N |
| 0077 797515 | 2009-10-01 | GRANITE WASH O |
| 0077 797516 | 2013-03-01 | GRANITE WASH P |

**SPACING PATTERN**

SU 2442      20 Dec 1995

**SUBSURFACE DISPOSAL SCHEMES**

App 11128A   14 Oct 2011  
Class II  
Penn West Petroleum Ltd.

**FIELD DESIGNATION**

0603 2014-07-01           MCLEOD FIELD

**POOL DESIGNATION**

0603 106001 2003-07-01   EDMONTON A

0603 126001 2006-07-01   BELLY RIVER A

0603 176002 2001-02-01   CARDIUM B

0603 176003 2001-02-01   CARDIUM C

0603 176004 2010-04-01   CARDIUM D

0603 176005 2010-04-01   CARDIUM E

0603 176007 2005-11-01   CARDIUM G

0603 176008 2010-04-01   CARDIUM H

0603 176009 2001-02-01   CARDIUM I

0603 176010 2002-03-01   CARDIUM J

0603 176011 2008-10-01   CARDIUM K

0603 176012 2010-02-01   CARDIUM L

0603 176013 2008-10-01   CARDIUM M

0603 176014 2008-11-01   CARDIUM N

0603 176015 2008-11-01   CARDIUM O

0603 176016 2009-07-01   CARDIUM P

0603 176017 2013-11-01   CARDIUM Q

0603 176018 2014-01-01   CARDIUM R

0603 176019 2014-07-01   CARDIUM S

0603 218003 2006-05-01   VIKING C

0603 250001 2001-02-01   UPPER MANNVILLE A

0603 250003 2003-06-01   UPPER MANNVILLE C

0603 250004 2003-08-01   UPPER MANNVILLE D

0603 250005 2004-11-01   UPPER MANNVILLE E

0603 250006 2006-11-01   UPPER MANNVILLE F

0603 250008 2010-12-01   UPPER MANNVILLE H

0603 266001 2002-10-01   NOTIKEWIN A

**POOL DESIGNATION (cont'd)**

|                        |            |
|------------------------|------------|
| 0603 266002 2005-01-01 | NOTIKWIN B |
| 0603 304001 2001-02-01 | BLUESKY A  |
| 0603 304002 2001-02-01 | BLUESKY B  |
| 0603 304003 2001-02-01 | BLUESKY C  |
| 0603 304004 2009-05-01 | BLUESKY D  |
| 0603 304005 2001-02-01 | BLUESKY E  |
| 0603 304006 2001-11-01 | BLUESKY F  |
| 0603 304007 2001-09-01 | BLUESKY G  |
| 0603 304008 2008-03-01 | BLUESKY H  |
| 0603 304009 2010-04-01 | BLUESKY I  |
| 0603 304010 2010-12-01 | BLUESKY J  |
| 0603 304011 2010-12-01 | BLUESKY K  |
| 0603 304012 2012-01-01 | BLUESKY L  |
| 0603 326003 2011-11-01 | GETHING C  |
| 0603 326005 2001-02-01 | GETHING E  |
| 0603 326006 2001-02-01 | GETHING F  |
| 0603 326011 2001-02-01 | GETHING K  |
| 0603 326012 2001-02-01 | GETHING L  |
| 0603 326013 2012-03-01 | GETHING M  |
| 0603 326014 2001-02-01 | GETHING N  |
| 0603 326015 2002-10-01 | GETHING O  |
| 0603 326016 2001-02-01 | GETHING P  |
| 0603 326017 2002-10-01 | GETHING Q  |
| 0603 326019 2001-02-01 | GETHING S  |
| 0603 326020 2003-07-01 | GETHING T  |
| 0603 326022 2001-02-01 | GETHING V  |
| 0603 326023 2012-01-01 | GETHING W  |
| 0603 326026 2004-08-01 | GETHING Z  |
| 0603 326027 2011-03-01 | GETHING AA |
| 0603 326028 2001-02-01 | GETHING BB |
| 0603 326029 2001-02-01 | GETHING CC |
| 0603 326032 2001-02-01 | GETHING FF |
| 0603 326033 2007-10-01 | GETHING GG |
| 0603 326034 2001-02-01 | GETHING HH |
| 0603 326038 2001-02-01 | GETHING LL |
| 0603 326039 2001-02-01 | GETHING MM |



**POOL DESIGNATION (cont'd)**

|                        |             |
|------------------------|-------------|
| 0603 326040 2001-02-01 | GETHING NN  |
| 0603 326044 2001-02-01 | GETHING RR  |
| 0603 326045 2004-08-01 | GETHING SS  |
| 0603 326047 2001-02-01 | GETHING UU  |
| 0603 326049 2004-08-01 | GETHING WW  |
| 0603 326051 2001-04-01 | GETHING YY  |
| 0603 326052 2001-06-01 | GETHING ZZ  |
| 0603 326601 2001-06-01 | GETHING AAA |
| 0603 326602 2002-02-01 | GETHING BBB |
| 0603 326603 2001-09-01 | GETHING CCC |
| 0603 326604 2003-10-01 | GETHING DDD |
| 0603 326605 2009-05-01 | GETHING EEE |
| 0603 326607 2004-04-01 | GETHING GGG |
| 0603 326608 2010-11-01 | GETHING HHH |
| 0603 326609 2002-03-01 | GETHING III |
| 0603 326610 2010-04-01 | GETHING JJJ |
| 0603 326611 2002-08-01 | GETHING KKK |
| 0603 326612 2003-10-01 | GETHING LLL |
| 0603 326613 2010-04-01 | GETHING MMM |
| 0603 326615 2010-04-01 | GETHING OOO |
| 0603 326616 2003-11-01 | GETHING PPP |
| 0603 326617 2004-01-01 | GETHING QQQ |
| 0603 326618 2004-04-01 | GETHING RRR |
| 0603 326619 2004-04-01 | GETHING SSS |
| 0603 326620 2004-11-01 | GETHING TTT |
| 0603 326621 2005-02-01 | GETHING UUU |
| 0603 326622 2005-02-01 | GETHING VVV |
| 0603 326623 2006-09-01 | GETHING WWW |
| 0603 326625 2007-08-01 | GETHING YYY |
| 0603 326626 2007-09-01 | GETHING ZZZ |
| 0603 326627 2008-04-01 | GETHING A2A |
| 0603 326628 2009-03-01 | GETHING B2B |
| 0603 326630 2008-12-01 | GETHING D2D |
| 0603 326631 2013-09-01 | GETHING E2E |
| 0603 326632 2009-01-01 | GETHING F2F |
| 0603 326633 2009-03-01 | GETHING G2G |
| 0603 326635 2009-03-01 | GETHING I2I |
| 0603 326636 2010-04-01 | GETHING J2J |

**POOL DESIGNATION (cont'd)**

|                        |              |
|------------------------|--------------|
| 0603 326637 2010-11-01 | GETHING K2K  |
| 0603 326638 2011-02-01 | GETHING L2L  |
| 0603 326641 2012-01-01 | GETHING O2O  |
| 0603 326642 2013-07-01 | GETHING P2P  |
| 0603 326643 2013-07-01 | GETHING Q2Q  |
| 0603 326644 2013-09-01 | GETHING R2R  |
| 0603 326645 2014-07-01 | GETHING S2S  |
| 0603 326646 2014-12-01 | GETHING T2T  |
|                        |              |
| 0603 336011 2008-10-01 | ELLERSLIE K  |
| 0603 336017 2012-05-01 | ELLERSLIE Q  |
|                        |              |
| 0603 432001 2006-12-01 | ROCK CREEK A |
| 0603 432002 2001-02-01 | ROCK CREEK B |
| 0603 432003 2001-02-01 | ROCK CREEK C |
| 0603 432004 2001-02-01 | ROCK CREEK D |
| 0603 432005 2004-02-01 | ROCK CREEK E |
| 0603 432006 2010-04-01 | ROCK CREEK F |
| 0603 432007 2012-02-01 | ROCK CREEK G |
| 0603 432008 2004-01-01 | ROCK CREEK H |
| 0603 432009 2004-09-01 | ROCK CREEK I |
| 0603 432010 2001-02-01 | ROCK CREEK J |
| 0603 432011 2009-04-01 | ROCK CREEK K |
| 0603 432012 2001-02-01 | ROCK CREEK L |
| 0603 432013 2001-02-01 | ROCK CREEK M |
| 0603 432014 2001-07-01 | ROCK CREEK N |
| 0603 432015 2009-09-01 | ROCK CREEK O |
| 0603 432016 2004-10-01 | ROCK CREEK P |
| 0603 432019 2006-11-01 | ROCK CREEK S |
| 0603 432020 2007-06-01 | ROCK CREEK T |
| 0603 432022 2008-10-01 | ROCK CREEK V |
| 0603 432023 2008-12-01 | ROCK CREEK W |
| 0603 432025 2009-05-01 | ROCK CREEK Y |
| 0603 432026 2013-07-01 | ROCK CREEK Z |
|                        |              |
| 0603 556001 2001-02-01 | BELLOY A     |

**POOL DESIGNATION (cont'd)**

0603 644001 2001-02-01 BANFF A

0603 744001 2001-02-01 BEAVERHILL LAKE A

**SPACING PATTERN**

SU 4129 22 Dec 2003  
SU 4129A 25 Feb 2004  
SU 4129B 9 Aug 2004  
SU 4129C 3 Nov 2004  
SU 4129D 11 Feb 2005  
SU 4129E 9 Apr 2005  
SU 4129F 10 Aug 2005  
SU 4129G 15 Dec 2005  
SU 4129H 7 Sep 2006  
SU 4129I 18 Apr 2007  
SU 4129J 1 Oct 2007  
SU 4129K 19 Oct 2007

**GAS STORAGE SCHEMES (cont'd)**

App 9124E 8 May 2008  
Cardium D  
IBERDROLA Canada Energy Services Ltd.

**COMMINGLED PRODUCTION**

MU 7982 27 Jul 2011

**GAS STORAGE SCHEMES**

App 8221H 9 Sep 2013  
Cardium CCC  
IBERDROLA Canada Energy Services Ltd.

App 9124 26 Jun 2002

App 9124A 21 Jan 2003

App 9124B 5 Jun 2003

App 9124C 19 May 2005

App 9124D 9 Dec 2005

**FIELD DESIGNATION**

0602 2002-05-01 MEANOOK FIELD

**POOL DESIGNATION**

0602 218001 2004-12-01 VIKING A  
0602 218002 2007-06-01 VIKING B

0602 250001 2001-02-01 UPPER MANNVILLE A  
0602 250002 2001-02-01 UPPER MANNVILLE B  
0602 250003 2003-09-01 UPPER MANNVILLE C  
0602 250004 2001-02-01 UPPER MANNVILLE D  
0602 250005 2001-02-01 UPPER MANNVILLE E  
0602 250006 2001-02-01 UPPER MANNVILLE F  
0602 250010 2010-04-01 UPPER MANNVILLE J  
0602 250011 2004-09-01 UPPER MANNVILLE K  
0602 250012 2001-02-01 UPPER MANNVILLE L  
0602 250014 2001-02-01 UPPER MANNVILLE N  
0602 250015 2001-02-01 UPPER MANNVILLE O  
0602 250016 2001-02-01 UPPER MANNVILLE P  
0602 250017 2001-02-01 UPPER MANNVILLE Q  
0602 250018 2001-02-01 UPPER MANNVILLE R  
0602 250019 2001-02-01 UPPER MANNVILLE S  
0602 250022 2001-02-01 UPPER MANNVILLE V  
0602 250023 2010-04-01 UPPER MANNVILLE W  
0602 250024 2001-02-01 UPPER MANNVILLE X  
0602 250025 2001-02-01 UPPER MANNVILLE Y  
0602 250026 2001-02-01 UPPER MANNVILLE Z  
0602 250027 2001-11-01 UPPER MANNVILLE AA  
0602 250028 2002-05-01 UPPER MANNVILLE BB  
0602 250029 2002-06-01 UPPER MANNVILLE CC  
0602 250030 2002-10-01 UPPER MANNVILLE DD  
0602 250031 2002-11-01 UPPER MANNVILLE EE  
0602 250032 2010-04-01 UPPER MANNVILLE FF  
0602 250033 2005-09-01 UPPER MANNVILLE GG  
0602 250034 2004-05-01 UPPER MANNVILLE HH  
0602 250036 2005-03-01 UPPER MANNVILLE JJ

**POOL DESIGNATION (cont'd)**

|             |            |                    |
|-------------|------------|--------------------|
| 0602 250037 | 2007-03-01 | UPPER MANNVILLE KK |
| 0602 250038 | 2007-07-01 | UPPER MANNVILLE LL |
| 0602 250039 | 2010-04-01 | UPPER MANNVILLE MM |
| 0602 250040 | 2010-04-01 | UPPER MANNVILLE NN |
| 0602 250041 | 2008-11-01 | UPPER MANNVILLE OO |
| 0602 250042 | 2009-08-01 | UPPER MANNVILLE PP |
|             |            |                    |
| 0602 310001 | 2005-09-01 | LOWER MANNVILLE A  |
| 0602 310004 | 2001-02-01 | LOWER MANNVILLE D  |
| 0602 310005 | 2004-09-01 | LOWER MANNVILLE E  |
| 0602 310006 | 2001-02-01 | LOWER MANNVILLE F  |
| 0602 310007 | 2001-02-01 | LOWER MANNVILLE G  |
| 0602 310008 | 2001-02-01 | LOWER MANNVILLE H  |
| 0602 310009 | 2001-02-01 | LOWER MANNVILLE I  |
| 0602 310010 | 2001-10-01 | LOWER MANNVILLE J  |
| 0602 310011 | 2002-09-01 | LOWER MANNVILLE K  |
|             |            |                    |
| 0602 658002 | 2001-02-01 | WABAMUN B          |

**COMMINGLED PRODUCTION**

MU 4585      29 Aug 2005

**SUBSURFACE DISPOSAL SCHEMES**

App 2748      10 Nov 1978

App 2748A    17 Jun 1986

App 2748B    16 Jul 1991

App 2748C    27 Sep 1994

App 2748D    18 Dec 1996

Class II

Canadian Natural Resources Limited

**FIELD DESIGNATION**

1341 2008-11-01           MEARON FIELD

**POOL DESIGNATION**

1341 264001 2009-10-01   SPIRIT RIVER A

1341 266001 2010-04-01   NOTIKEWIN A  
1341 266002 2006-10-01   NOTIKEWIN B  
1341 266004 2007-12-01   NOTIKEWIN D  
1341 266005 2010-04-01   NOTIKEWIN E  
1341 266006 2008-02-01   NOTIKEWIN F

1341 304001 2007-07-01   BLUESKY A  
1341 304002 2008-03-01   BLUESKY B  
1341 304003 2009-07-01   BLUESKY C

1341 758001 2002-08-01   SLAVE POINT A  
1341 758002 2002-11-01   SLAVE POINT B  
1341 758003 2004-07-01   SLAVE POINT C  
1341 758004 2003-11-01   SLAVE POINT D  
1341 758005 2005-03-01   SLAVE POINT E

1341 765501 2008-06-01   GILWOOD A

**SPACING PATTERN**

SU 3019       15 Feb 2001  
SU 3019A     23 Mar 2001  
SU 3019B     31 Aug 2001  
SU 3019C     1 Nov 2001  
SU 3019D     8 Oct 2002  
SU 3019E     1 Feb 2005  
SU 3019F     16 Feb 2005  
SU 3019G     4 Mar 2005  
SU 3019H     2 Mar 2006  
SU 3019I     28 Aug 2006  
SU 3019J     6 Dec 2006  
SU 3019K     27 Feb 2007

**SUBSURFACE DISPOSAL SCHEMES**

App 11145A   22 Jan 2013  
Class II  
Fortress Energy Inc

**FIELD DESIGNATION**

0601 2011-11-01 MEDICINE HAT FIELD

**POOL DESIGNATION**

0601 126041 2003-07-01 BELLY RIVER OO  
0601 126042 2007-02-01 BELLY RIVER PP

0601 134001 2011-02-01 BASAL BELLY RIVER A  
0601 134002 2011-02-01 BASAL BELLY RIVER B  
0601 134003 2005-05-01 BASAL BELLY RIVER C  
0601 134027 2010-07-01 BASAL BELLY RIVER AA

0601 158002 2003-02-01 MILK RIVER B  
0601 158003 2004-05-01 MILK RIVER C  
0601 158007 2006-10-01 MILK RIVER G  
0601 158009 2010-03-01 MILK RIVER I  
0601 158010 2010-03-01 MILK RIVER J  
0601 158011 2010-03-01 MILK RIVER K  
0601 158012 2011-05-01 MILK RIVER L

0601 160005 2010-04-01 COLORADO E  
0601 160006 2010-04-01 COLORADO F  
0601 160009 2003-02-01 COLORADO I  
0601 160010 2003-03-01 COLORADO J  
0601 160013 2003-04-01 COLORADO M  
0601 160015 2003-10-01 COLORADO O  
0601 160017 2004-05-01 COLORADO Q  
0601 160019 2004-09-01 COLORADO S  
0601 160020 2011-01-01 COLORADO T  
0601 160028 2010-04-01 COLORADO BB  
0601 160029 2010-04-01 COLORADO CC  
0601 160031 2010-04-01 COLORADO EE  
0601 160032 2008-11-01 COLORADO FF  
0601 160033 2014-02-01 COLORADO GG  
0601 160038 2010-03-01 COLORADO LL  
0601 160040 2010-03-01 COLORADO NN

**POOL DESIGNATION (cont'd)**

|                        |                       |
|------------------------|-----------------------|
| 0601 160041 2011-02-01 | COLORADO OO           |
| 0601 160042 2011-11-01 | COLORADO PP           |
| 0601 160043 2011-11-01 | COLORADO QQ           |
| 0601 162001 2006-03-01 | FIRST WHITE SPECKS A  |
| 0601 162004 2011-02-01 | FIRST WHITE SPECKS D  |
| 0601 162007 2010-12-01 | FIRST WHITE SPECKS G  |
| 0601 162008 2010-12-01 | FIRST WHITE SPECKS H  |
| 0601 162009 2010-12-01 | FIRST WHITE SPECKS I  |
| 0601 162010 2010-12-01 | FIRST WHITE SPECKS J  |
| 0601 162011 2010-12-01 | FIRST WHITE SPECKS K  |
| 0601 162012 2011-01-01 | FIRST WHITE SPECKS L  |
| 0601 162013 2011-01-01 | FIRST WHITE SPECKS M  |
| 0601 162014 2011-11-01 | FIRST WHITE SPECKS N  |
| 0601 162015 2011-11-01 | FIRST WHITE SPECKS O  |
| 0601 186011 2001-02-01 | SECOND WHITE SPECKS K |
| 0601 186012 2001-02-01 | SECOND WHITE SPECKS L |
| 0601 186017 2009-11-01 | SECOND WHITE SPECKS Q |
| 0601 186020 2009-11-01 | SECOND WHITE SPECKS T |
| 0601 186035 2010-12-01 | SECOND WHITE SPCKS II |
| 0601 186046 2010-12-01 | SECOND WHITE SPCKS TT |
| 0601 202005 2011-09-01 | FISH SCALE E          |
| 0601 202012 2007-09-01 | FISH SCALE L          |
| 0601 204001 2015-10-01 | BARONS A              |
| 0601 211001 2010-04-01 | LOWER COLORADO A      |
| 0601 211002 2011-09-01 | LOWER COLORADO B      |
| 0601 211004 2006-10-01 | LOWER COLORADO D      |
| 0601 211005 2001-02-01 | LOWER COLORADO E      |
| 0601 211006 2010-04-01 | LOWER COLORADO F      |
| 0601 211007 2013-10-01 | LOWER COLORADO G      |
| 0601 213001 2001-02-01 | BOW ISLAND A          |
| 0601 213002 2011-09-01 | BOW ISLAND B          |



**POOL DESIGNATION (cont'd)**

|                        |               |
|------------------------|---------------|
| 0601 213003 2001-02-01 | BOW ISLAND C  |
| 0601 213006 2001-02-01 | BOW ISLAND F  |
| 0601 213008 2001-02-01 | BOW ISLAND H  |
| 0601 213011 2010-04-01 | BOW ISLAND K  |
| 0601 213012 2001-02-01 | BOW ISLAND L  |
| 0601 213013 2001-02-01 | BOW ISLAND M  |
| 0601 213014 2001-02-01 | BOW ISLAND N  |
| 0601 213015 2001-02-01 | BOW ISLAND O  |
| 0601 213016 2001-02-01 | BOW ISLAND P  |
| 0601 213017 2001-02-01 | BOW ISLAND Q  |
| 0601 213019 2001-02-01 | BOW ISLAND S  |
| 0601 213020 2006-10-01 | BOW ISLAND T  |
| 0601 213021 2001-02-01 | BOW ISLAND U  |
| 0601 213022 2001-02-01 | BOW ISLAND V  |
| 0601 213023 2001-02-01 | BOW ISLAND W  |
| 0601 213024 2001-02-01 | BOW ISLAND X  |
| 0601 213025 2001-02-01 | BOW ISLAND Y  |
| 0601 213026 2001-02-01 | BOW ISLAND Z  |
| 0601 213027 2001-02-01 | BOW ISLAND AA |
| 0601 213028 2001-02-01 | BOW ISLAND BB |
| 0601 213029 2001-02-01 | BOW ISLAND CC |
| 0601 213030 2001-02-01 | BOW ISLAND DD |
| 0601 213031 2001-02-01 | BOW ISLAND EE |
| 0601 213034 2010-12-01 | BOW ISLAND HH |
| 0601 213035 2001-02-01 | BOW ISLAND II |
| 0601 213036 2001-02-01 | BOW ISLAND JJ |
| 0601 213037 2001-02-01 | BOW ISLAND KK |
| 0601 213038 2001-02-01 | BOW ISLAND LL |
| 0601 213039 2001-02-01 | BOW ISLAND MM |
| 0601 213040 2001-02-01 | BOW ISLAND NN |
| 0601 213041 2005-03-01 | BOW ISLAND OO |
| 0601 213042 2001-02-01 | BOW ISLAND PP |
| 0601 213043 2001-02-01 | BOW ISLAND QQ |
| 0601 213044 2001-02-01 | BOW ISLAND RR |
| 0601 213045 2007-03-01 | BOW ISLAND SS |
| 0601 213046 2001-02-01 | BOW ISLAND TT |
| 0601 213047 2001-02-01 | BOW ISLAND UU |
| 0601 213048 2001-02-01 | BOW ISLAND VV |

**POOL DESIGNATION (cont'd)**

|                        |                   |
|------------------------|-------------------|
| 0601 213049 2010-04-01 | BOW ISLAND WW     |
| 0601 213050 2002-01-01 | BOW ISLAND XX     |
| 0601 213051 2003-06-01 | BOW ISLAND YY     |
| 0601 213052 2010-04-01 | BOW ISLAND ZZ     |
| 0601 213401 2002-12-01 | BOW ISLAND AAA    |
| 0601 213402 2002-12-01 | BOW ISLAND BBB    |
| 0601 213403 2003-07-01 | BOW ISLAND CCC    |
| 0601 213404 2003-08-01 | BOW ISLAND DDD    |
| 0601 213405 2004-06-01 | BOW ISLAND EEE    |
| 0601 213407 2005-07-01 | BOW ISLAND GGG    |
| 0601 213408 2006-09-01 | BOW ISLAND HHH    |
| 0601 213409 2010-04-01 | BOW ISLAND III    |
| 0601 213410 2007-06-01 | BOW ISLAND JJJ    |
| 0601 213411 2007-08-01 | BOW ISLAND KKK    |
| 0601 213412 2007-12-01 | BOW ISLAND LLL    |
| 0601 213413 2008-11-01 | BOW ISLAND MMM    |
| 0601 213414 2010-04-01 | BOW ISLAND NNN    |
| 0601 213415 2008-08-01 | BOW ISLAND OOO    |
| 0601 213416 2009-12-01 | BOW ISLAND PPP    |
| 0601 213417 2010-02-01 | BOW ISLAND QQQ    |
| 0601 213418 2010-03-01 | BOW ISLAND RRR    |
| 0601 213419 2010-03-01 | BOW ISLAND SSS    |
| 0601 213420 2011-05-01 | BOW ISLAND TTT    |
| 0601 213421 2011-05-01 | BOW ISLAND UUU    |
| 0601 213422 2013-09-01 | BOW ISLAND VVV    |
| 0601 213423 2013-09-01 | BOW ISLAND WWW    |
| 0601 242001 2001-02-01 | BASAL COLORADO A  |
| 0601 242002 2001-02-01 | BASAL COLORADO B  |
| 0601 242004 2001-02-01 | BASAL COLORADO D  |
| 0601 242005 2001-02-01 | BASAL COLORADO E  |
| 0601 250001 2014-01-01 | UPPER MANNVILLE A |
| 0601 300003 2014-10-01 | GLAUCONITIC C     |
| 0601 300007 2001-02-01 | GLAUCONITIC G     |
| 0601 300008 2011-09-01 | GLAUCONITIC H     |
| 0601 300009 2004-11-01 | GLAUCONITIC I     |

**POOL DESIGNATION (cont'd)**

0601 310001 2011-12-01 LOWER MANNVILLE A  
0601 310005 2001-02-01 LOWER MANNVILLE E  
0601 310006 2001-02-01 LOWER MANNVILLE F  
0601 310007 2001-02-01 LOWER MANNVILLE G  
0601 310008 2001-02-01 LOWER MANNVILLE H  
0601 310009 2015-02-01 LOWER MANNVILLE I  
0601 310010 2001-02-01 LOWER MANNVILLE J  
0601 310011 2001-02-01 LOWER MANNVILLE K  
0601 310012 2001-02-01 LOWER MANNVILLE L  
0601 310014 2001-02-01 LOWER MANNVILLE N  
0601 310015 2001-06-01 LOWER MANNVILLE O  
0601 310016 2001-02-01 LOWER MANNVILLE P  
0601 310017 2001-02-01 LOWER MANNVILLE Q  
0601 310018 2001-02-01 LOWER MANNVILLE R  
0601 310019 2004-05-01 LOWER MANNVILLE S  
0601 310020 2004-08-01 LOWER MANNVILLE T  
0601 310021 2013-12-01 LOWER MANNVILLE U  
0601 310022 2014-01-01 LOWER MANNVILLE V

0601 428001 2011-09-01 SAWTOOTH A  
0601 428002 2001-02-01 SAWTOOTH B  
0601 428003 2001-02-01 SAWTOOTH C  
0601 428004 2001-02-01 SAWTOOTH D  
0601 428005 2001-02-01 SAWTOOTH E  
0601 428006 2010-04-01 SAWTOOTH F  
0601 428007 2008-05-01 SAWTOOTH G  
0601 428008 2008-05-01 SAWTOOTH H

0601 850100 2011-11-01 MFP8501 MILK RIVER

0601 850200 2014-06-01 MFP8502 MED HAT

0601 850500 2011-11-01 MFP8505 2WS

0601 853300 2011-02-01 MFP8533 COLORADO

0601 856600 2010-04-01 MFP8566 2WS

**SPACING PATTERN**

SU 4167 21 Apr 2004  
 SU 4167A 20 May 2004  
 SU 4167B 10 Jun 2004  
 SU 4167C 25 Jun 2004  
 SU 4167D 23 Jul 2004  
 SU 4167E 24 Sep 2004  
 SU 4167F 4 Jan 2005  
 SU 4167G 9 Mar 2005  
 SU 4167H 12 Apr 2005  
 SU 4167I 6 May 2005  
 SU 4167J 4 Jul 2005  
 SU 4167K 4 Aug 2005  
 SU 4167L 19 Sep 2005  
 SU 4167M 19 Jan 2006  
 SU 4167N 24 Feb 2006  
 SU 4167O 1 Oct 2006  
 SU 4167P 1 Jun 2007  
 SU 4167Q 7 Aug 2007

**MISCELLANEOUS ORDERS**

MISC 7419 26 Nov 1974  
 Uncontrolled flow of Alberta  
 Clay Med Hat 15-29-12-5

**COMMINGLED PRODUCTION**

MU 7546 5 Oct 2010

**ENHANCED RECOVERY SCHEMES**

App 8385G 24 Jun 2015  
 Waterflood  
 Glauconitic H  
 Canadian Natural Resources Limited

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

App 10364GG5 Jun 2017  
 Waterflood  
 Glauconitic C  
 Enerplus Corporation  
  
 App 11694A 1 Oct 2013  
 Chemical  
 Glauconitic C  
 Enerplus Corporation  
  
 App 12500 4 Apr 2016  
 Waterflood  
 Mannville A  
 Avalon Energy Ltd.

**SUBSURFACE DISPOSAL SCHEMES**

App 3005C 16 Jul 2014  
 Class II  
 Direct Energy Marketing Limited  
  
 App 8169B 7 Jun 2017  
 Class Ib  
 Plains Midstream Canada ULC

App 9734D 13 Apr 2012  
 Class Ib  
 Tervita Corporation

App 9810B 17 Aug 2015  
 Class II  
 Canadian Natural Resources Limited

App 10579A 15 May 2012  
 Class II  
 Bellatrix Exploration Ltd.

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

App 11365C 16 Jul 2014  
Class II  
Direct Energy Marketing Limited

App 12529A 22 Sep 2016  
Class II  
Yangarra Resources Inc.

**SURFACE PIT DISPOSAL**

W 371 1 Aug 1976  
Water disposal restriction

**COMPULSORY POOLING**

P 71 19 Jun 1985  
Gas  
15-012-06W4M  
City of Medicine Hat &  
Canadian Reserve Oil & Gas Ltd.

P 95 23 May 1989  
Gas  
35-011-06W4M  
City of Medicine Hat

P 96 24 Jul 1989  
P 96A 15 Jul 1998  
P 96B 11 Dec 2001  
09-34-012-05W4M  
Oil  
EnerMark Inc.

P 98  
Gas  
SW/4 32-017-03W4M  
GEX Resources Ltd.

**COMPULSORY POOLING (cont'd)**

P 109 25 Nov 1991  
Gas  
03-012-05W4M  
City of Medicine Hat

P 111 25 Sep 1992  
Gas  
02-012-05W4M  
City of Medicine Hat

P 161 27 Jun 1997  
P 161A 15 Jul 1998  
P 161B 11 Dec 2001  
Oil  
08-34-012-05W4M  
EnerMark Inc.

P 174 9 Feb 1999  
Gas  
NE/4 34-012-05W4M  
City of Medicine Hat

P 178 8 Apr 1999  
Gas  
SE/4 34-012-05W4M  
City of Medicine Hat

P 187 4 Jan 2000  
P 187A 29 Feb 2000  
P 187B 11 Dec 2001  
Oil  
01-34-012-05W4M  
EnerMark Inc.

P 192 11 Apr 2000  
Gas  
SE/4 03-013-05W4M  
City of Medicine Hat

**COMPULSORY POOLING (cont'd)**

P 206            19 Apr 2001

Gas

NW/4 17-013-05W4M

City of Medicine Hat

P 285            13 Sep 2005

P 285A          16 Aug 2007

Gas

SW/4 35-012-05W4M

City of Medicine Hat

**FIELD DESIGNATION**

0611 2014-01-01 MEDICINE LODGE FIELD

**POOL DESIGNATION**

0611 126001 2007-01-01 BELLY RIVER A

0611 126002 2011-01-01 BELLY RIVER B

0611 126003 2011-01-01 BELLY RIVER C

0611 134001 2005-06-01 BASAL BELLY RIVER A

0611 176002 2007-05-01 CARDIUM B

0611 176007 2012-03-01 CARDIUM G

0611 176008 2013-02-01 CARDIUM H

0611 176010 2011-02-01 CARDIUM J

0611 176013 2005-06-01 CARDIUM M

0611 176019 2006-02-01 CARDIUM S

0611 176020 2006-02-01 CARDIUM T

0611 176040 2009-03-01 CARDIUM NN

0611 176041 2009-03-01 CARDIUM OO

0611 176045 2009-03-01 CARDIUM SS

0611 192001 2009-11-01 DUNVEGAN A

0611 218001 2010-04-01 VIKING A

0611 218007 2010-04-01 VIKING G

0611 250003 2012-03-01 UPPER MANNVILLE C

0611 250013 2009-11-01 UPPER MANNVILLE M

0611 250015 2011-10-01 UPPER MANNVILLE O

0611 266001 2002-05-01 NOTIKWIN A

0611 266002 2010-12-01 NOTIKWIN B

0611 266003 2010-04-01 NOTIKWIN C

0611 266006 2007-03-01 NOTIKWIN F

0611 271501 2010-04-01 FALHER A

**POOL DESIGNATION (cont'd)**

|                        |              |
|------------------------|--------------|
| 0611 271504 2011-05-01 | FALHER D     |
| 0611 304002 2010-04-01 | BLUESKY B    |
| 0611 304003 2010-04-01 | BLUESKY C    |
| 0611 304007 2007-06-01 | BLUESKY G    |
| 0611 304011 2009-03-01 | BLUESKY K    |
| 0611 304016 2011-05-01 | BLUESKY P    |
| 0611 304017 2011-09-01 | BLUESKY Q    |
| 0611 326001 2005-09-01 | GETHING A    |
| 0611 326002 2010-04-01 | GETHING B    |
| 0611 326003 2011-09-01 | GETHING C    |
| 0611 326009 2010-04-01 | GETHING I    |
| 0611 326014 2008-09-01 | GETHING N    |
| 0611 326021 2010-12-01 | GETHING U    |
| 0611 326022 2011-04-01 | GETHING V    |
| 0611 326023 2011-10-01 | GETHING W    |
| 0611 326024 2012-04-01 | GETHING X    |
| 0611 348001 2002-05-01 | CADOMIN A    |
| 0611 348002 2010-12-01 | CADOMIN B    |
| 0611 348004 2010-04-01 | CADOMIN D    |
| 0611 348005 2012-04-01 | CADOMIN E    |
| 0611 348006 2010-04-01 | CADOMIN F    |
| 0611 348009 2010-04-01 | CADOMIN I    |
| 0611 348010 2010-11-01 | CADOMIN J    |
| 0611 348011 2007-02-01 | CADOMIN K    |
| 0611 348012 2011-09-01 | CADOMIN L    |
| 0611 348013 2007-06-01 | CADOMIN M    |
| 0611 348019 2008-02-01 | CADOMIN S    |
| 0611 348026 2011-04-01 | CADOMIN Z    |
| 0611 432001 2006-01-01 | ROCK CREEK A |
| 0611 524001 2004-12-01 | MONTNEY A    |
| 0611 638001 2007-07-01 | ELKTON A     |



**POOL DESIGNATION (cont'd)**

|             |            |                 |
|-------------|------------|-----------------|
| 0611 658001 | 2011-07-01 | WABAMUN A       |
| 0611 658002 | 2001-02-01 | WABAMUN B       |
| 0611 720001 | 2001-02-01 | LEDUC A         |
| 0611 860200 | 2014-06-01 | MFP8602 CARDIUM |

**SPACING PATTERN**

|          |             |
|----------|-------------|
| SU 2984  | 16 Jun 2000 |
| SU 2984A | 10 Jan 2001 |
| SU 2984B | 21 Mar 2001 |
| SU 2984C | 18 Apr 2001 |
| SU 2984D | 14 Oct 2003 |
| SU 2984E | 26 Mar 2005 |
| SU 2984F | 9 Aug 2005  |
| SU 2984G | 15 Dec 2005 |
| SU 2984H | 17 Jan 2006 |
| SU 2984I | 6 Feb 2006  |
| SU 2984J | 20 Dec 2006 |
| SU 2984K | 24 Jan 2007 |

**COMMINGLED PRODUCTION**

|         |             |
|---------|-------------|
| MU 8662 | 10 Jul 2014 |
|---------|-------------|

**COMPULSORY POOLING**

|       |             |
|-------|-------------|
| P 234 | 21 Feb 2003 |
|-------|-------------|

Gas  
06-053-21W5M  
Bushmills Energy Corporation

**FIELD DESIGNATION**

0604 2015-03-01 MEDICINE RIVER FIELD

**POOL DESIGNATION**

0604 064002 2007-04-01 PASKAPOO B

0604 106016 2005-08-01 EDMONTON P  
0604 106031 2010-04-01 EDMONTON EE  
0604 106035 2010-04-01 EDMONTON II  
0604 106043 2010-05-01 EDMONTON QQ  
0604 106044 2011-12-01 EDMONTON RR

0604 118801 2014-01-01 LOWER EDMONTON A  
0604 118802 2014-01-01 LOWER EDMONTON B  
0604 118803 2006-11-01 LOWER EDMONTON C  
0604 118805 2011-03-01 LOWER EDMONTON E  
0604 118806 2006-11-01 LOWER EDMONTON F  
0604 118807 2006-11-01 LOWER EDMONTON G  
0604 118809 2010-04-01 LOWER EDMONTON I  
0604 118810 2010-07-01 LOWER EDMONTON J  
0604 118813 2006-11-01 LOWER EDMONTON M  
0604 118814 2006-11-01 LOWER EDMONTON N  
0604 118815 2007-03-01 LOWER EDMONTON O  
0604 118816 2007-05-01 LOWER EDMONTON P  
0604 118819 2008-08-01 LOWER EDMONTON S  
0604 118820 2010-07-01 LOWER EDMONTON T  
0604 118822 2008-09-01 LOWER EDMONTON V  
0604 118823 2010-04-01 LOWER EDMONTON W  
0604 118824 2009-01-01 LOWER EDMONTON X  
0604 118825 2009-02-01 LOWER EDMONTON Y  
0604 118826 2009-09-01 LOWER EDMONTON Z  
0604 118827 2010-04-01 LOWER EDMONTON AA  
0604 118828 2011-03-01 LOWER EDMONTON BB  
0604 118829 2011-03-01 LOWER EDMONTON CC  
0604 118830 2011-12-01 LOWER EDMONTON DD  
0604 118831 2014-02-01 LOWER EDMONTON EE

**POOL DESIGNATION (cont'd)**

|                        |                     |
|------------------------|---------------------|
| 0604 118832 2014-02-01 | LOWER EDMONTON FF   |
| 0604 126004 2010-04-01 | BELLY RIVER D       |
| 0604 134001 2010-02-01 | BASAL BELLY RIVER A |
| 0604 134002 2005-07-01 | BASAL BELLY RIVER B |
| 0604 134003 2010-03-01 | BASAL BELLY RIVER C |
| 0604 176001 2001-02-01 | CARDIUM A           |
| 0604 176002 2010-04-01 | CARDIUM B           |
| 0604 176003 2001-02-01 | CARDIUM C           |
| 0604 176004 2001-05-01 | CARDIUM D           |
| 0604 176005 2004-02-01 | CARDIUM E           |
| 0604 176006 2002-02-01 | CARDIUM F           |
| 0604 176007 2010-04-01 | CARDIUM G           |
| 0604 176009 2003-05-01 | CARDIUM I           |
| 0604 176012 2008-09-01 | CARDIUM L           |
| 0604 218001 2001-10-01 | VIKING A            |
| 0604 218004 2010-04-01 | VIKING D            |
| 0604 218014 2001-02-01 | VIKING N            |
| 0604 218016 2001-02-01 | VIKING P            |
| 0604 218017 2013-04-01 | VIKING Q            |
| 0604 218018 2013-07-01 | VIKING R            |
| 0604 218019 2014-08-01 | VIKING S            |
| 0604 250001 2006-06-01 | UPPER MANNVILLE A   |
| 0604 250002 2007-06-01 | UPPER MANNVILLE B   |
| 0604 250003 2008-04-01 | UPPER MANNVILLE C   |
| 0604 250004 2008-05-01 | UPPER MANNVILLE D   |
| 0604 250005 2008-05-01 | UPPER MANNVILLE E   |
| 0604 250006 2017-07-01 | UPPER MANNVILLE F   |
| 0604 250007 2009-01-01 | UPPER MANNVILLE G   |
| 0604 250008 2013-09-01 | UPPER MANNVILLE H   |
| 0604 300001 2010-04-01 | GLAUCONITIC A       |
| 0604 300004 2003-09-01 | GLAUCONITIC D       |
| 0604 300008 2001-02-01 | GLAUCONITIC H       |

**POOL DESIGNATION (cont'd)**

|             |            |               |
|-------------|------------|---------------|
| 0604 300009 | 2007-06-01 | GLAUCONITIC I |
| 0604 300010 | 2001-02-01 | GLAUCONITIC J |
| 0604 300011 | 2012-04-01 | GLAUCONITIC K |
| 0604 300012 | 2001-02-01 | GLAUCONITIC L |
| 0604 300013 | 2010-04-01 | GLAUCONITIC M |
| 0604 300014 | 2004-10-01 | GLAUCONITIC N |
| 0604 300015 | 2004-02-01 | GLAUCONITIC O |
| 0604 300016 | 2010-04-01 | GLAUCONITIC P |
| 0604 300017 | 2014-04-01 | GLAUCONITIC Q |
| 0604 300018 | 2005-06-01 | GLAUCONITIC R |
| 0604 300019 | 2005-10-01 | GLAUCONITIC S |
| 0604 300020 | 2006-04-01 | GLAUCONITIC T |
| 0604 300021 | 2007-02-01 | GLAUCONITIC U |
| 0604 300022 | 2010-04-01 | GLAUCONITIC V |
| 0604 300023 | 2012-06-01 | GLAUCONITIC W |
| 0604 300024 | 2012-08-01 | GLAUCONITIC X |

|             |            |             |
|-------------|------------|-------------|
| 0604 316001 | 2010-04-01 | OSTRACOD A  |
| 0604 316002 | 2010-04-01 | OSTRACOD B  |
| 0604 316003 | 2010-04-01 | OSTRACOD C  |
| 0604 316004 | 2001-11-01 | OSTRACOD D  |
| 0604 316010 | 2005-09-01 | OSTRACOD J  |
| 0604 316012 | 2001-02-01 | OSTRACOD L  |
| 0604 316018 | 2001-02-01 | OSTRACOD R  |
| 0604 316019 | 2001-02-01 | OSTRACOD S  |
| 0604 316025 | 2001-02-01 | OSTRACOD Y  |
| 0604 316026 | 2001-02-01 | OSTRACOD Z  |
| 0604 316027 | 2001-02-01 | OSTRACOD AA |
| 0604 316028 | 2013-06-01 | OSTRACOD BB |
| 0604 316029 | 2010-12-01 | OSTRACOD CC |
| 0604 316030 | 2001-02-01 | OSTRACOD DD |
| 0604 316031 | 2010-04-01 | OSTRACOD EE |
| 0604 316032 | 2001-02-01 | OSTRACOD FF |
| 0604 316033 | 2002-02-01 | OSTRACOD GG |
| 0604 316034 | 2004-02-01 | OSTRACOD HH |
| 0604 316035 | 2007-06-01 | OSTRACOD II |
| 0604 316036 | 2006-03-01 | OSTRACOD JJ |
| 0604 316038 | 2009-01-01 | OSTRACOD LL |

**POOL DESIGNATION (cont'd)**

|                        |                   |
|------------------------|-------------------|
| 0604 316039 2009-01-01 | OSTRACOD MM       |
| 0604 316040 2009-09-01 | OSTRACOD NN       |
| 0604 316041 2015-06-01 | OSTRACOD OO       |
| 0604 320001 2001-02-01 | BASAL MANNVILLE A |
| 0604 320002 2001-02-01 | BASAL MANNVILLE B |
| 0604 320003 2002-10-01 | BASAL MANNVILLE C |
| 0604 320004 2009-09-01 | BASAL MANNVILLE D |
| 0604 334002 2010-04-01 | BASAL QUARTZ B    |
| 0604 334003 2001-02-01 | BASAL QUARTZ C    |
| 0604 334004 2008-10-01 | BASAL QUARTZ D    |
| 0604 334006 2001-02-01 | BASAL QUARTZ F    |
| 0604 334008 2001-02-01 | BASAL QUARTZ H    |
| 0604 334009 2001-02-01 | BASAL QUARTZ I    |
| 0604 334010 2001-02-01 | BASAL QUARTZ J    |
| 0604 334011 2010-04-01 | BASAL QUARTZ K    |
| 0604 334013 2001-02-01 | BASAL QUARTZ M    |
| 0604 334015 2004-08-01 | BASAL QUARTZ O    |
| 0604 334017 2001-02-01 | BASAL QUARTZ Q    |
| 0604 334020 2001-02-01 | BASAL QUARTZ T    |
| 0604 334023 2001-02-01 | BASAL QUARTZ W    |
| 0604 334024 2001-02-01 | BASAL QUARTZ X    |
| 0604 334025 2001-02-01 | BASAL QUARTZ Y    |
| 0604 334026 2001-02-01 | BASAL QUARTZ Z    |
| 0604 334028 2001-02-01 | BASAL QUARTZ BB   |
| 0604 334029 2001-02-01 | BASAL QUARTZ CC   |
| 0604 334032 2003-07-01 | BASAL QUARTZ FF   |
| 0604 334033 2001-02-01 | BASAL QUARTZ GG   |
| 0604 334036 2002-12-01 | BASAL QUARTZ JJ   |
| 0604 334037 2005-03-01 | BASAL QUARTZ KK   |
| 0604 334038 2010-01-01 | BASAL QUARTZ LL   |
| 0604 334039 2001-02-01 | BASAL QUARTZ MM   |
| 0604 334042 2001-02-01 | BASAL QUARTZ PP   |
| 0604 334043 2001-02-01 | BASAL QUARTZ QQ   |
| 0604 334044 2010-04-01 | BASAL QUARTZ RR   |
| 0604 334045 2010-04-01 | BASAL QUARTZ SS   |
| 0604 334046 2011-05-01 | BASAL QUARTZ TT   |

**POOL DESIGNATION (cont'd)**

|                        |                  |
|------------------------|------------------|
| 0604 334047 2001-11-01 | BASAL QUARTZ UU  |
| 0604 334048 2002-07-01 | BASAL QUARTZ VV  |
| 0604 334049 2004-05-01 | BASAL QUARTZ WW  |
| 0604 334050 2005-02-01 | BASAL QUARTZ XX  |
| 0604 334051 2005-06-01 | BASAL QUARTZ YY  |
| 0604 334052 2010-04-01 | BASAL QUARTZ ZZ  |
| 0604 334101 2010-04-01 | BASAL QUARTZ AAA |
| 0604 334102 2010-01-01 | BASAL QUARTZ BBB |
| 0604 334103 2011-03-01 | BASAL QUARTZ CCC |
| 0604 334104 2012-07-01 | BASAL QUARTZ DDD |
|                        |                  |
| 0604 446001 2010-04-01 | JURASSIC A       |
| 0604 446002 2001-10-01 | JURASSIC B       |
| 0604 446003 2010-04-01 | JURASSIC C       |
| 0604 446004 2010-04-01 | JURASSIC D       |
| 0604 446005 2010-04-01 | JURASSIC E       |
| 0604 446007 2001-02-01 | JURASSIC G       |
| 0604 446009 2001-02-01 | JURASSIC I       |
| 0604 446010 2008-08-01 | JURASSIC J       |
| 0604 446012 2001-02-01 | JURASSIC L       |
| 0604 446013 2001-02-01 | JURASSIC M       |
| 0604 446015 2001-07-01 | JURASSIC O       |
| 0604 446016 2001-02-01 | JURASSIC P       |
| 0604 446017 2001-02-01 | JURASSIC Q       |
| 0604 446018 2001-02-01 | JURASSIC R       |
| 0604 446019 2001-02-01 | JURASSIC S       |
| 0604 446021 2001-02-01 | JURASSIC U       |
| 0604 446022 2006-08-01 | JURASSIC V       |
| 0604 446023 2001-02-01 | JURASSIC W       |
| 0604 446024 2001-02-01 | JURASSIC X       |
| 0604 446025 2001-02-01 | JURASSIC Y       |
| 0604 446026 2001-02-01 | JURASSIC Z       |
| 0604 446027 2001-02-01 | JURASSIC AA      |
| 0604 446028 2001-02-01 | JURASSIC BB      |
| 0604 446029 2001-02-01 | JURASSIC CC      |
| 0604 446030 2001-02-01 | JURASSIC DD      |
| 0604 446031 2001-02-01 | JURASSIC EE      |
| 0604 446032 2001-02-01 | JURASSIC FF      |

**POOL DESIGNATION (cont'd)**

|                        |                 |
|------------------------|-----------------|
| 0604 446033 2010-04-01 | JURASSIC GG     |
| 0604 446034 2001-02-01 | JURASSIC HH     |
| 0604 446035 2001-03-01 | JURASSIC II     |
| 0604 446036 2001-03-01 | JURASSIC JJ     |
| 0604 446037 2001-03-01 | JURASSIC KK     |
| 0604 446038 2001-12-01 | JURASSIC LL     |
| 0604 446039 2002-07-01 | JURASSIC MM     |
| 0604 446040 2003-12-01 | JURASSIC NN     |
| 0604 446041 2009-03-01 | JURASSIC OO     |
| 0604 446042 2005-06-01 | JURASSIC PP     |
| 0604 446043 2005-09-01 | JURASSIC QQ     |
| 0604 446044 2006-12-01 | JURASSIC RR     |
| 0604 446045 2008-05-01 | JURASSIC SS     |
| 0604 446046 2012-08-01 | JURASSIC TT     |
| 0604 446047 2013-07-01 | JURASSIC UU     |
| <br>                   |                 |
| 0604 638002 2001-02-01 | ELKTON B        |
| <br>                   |                 |
| 0604 639001 2001-03-01 | ELKTON-SHUNDA A |
| 0604 639002 2010-04-01 | ELKTON-SHUNDA B |
| 0604 639005 2010-04-01 | ELKTON-SHUNDA E |
| 0604 639006 2001-02-01 | ELKTON-SHUNDA F |
| <br>                   |                 |
| 0604 640001 2001-02-01 | SHUNDA A        |
| 0604 640002 2011-08-01 | SHUNDA B        |
| 0604 640004 2005-07-01 | SHUNDA D        |
| 0604 640005 2006-10-01 | SHUNDA E        |
| 0604 640006 2009-02-01 | SHUNDA F        |
| 0604 640007 2009-02-01 | SHUNDA G        |
| 0604 640008 2013-07-01 | SHUNDA H        |
| <br>                   |                 |
| 0604 642002 2010-04-01 | PEKISKO B       |
| 0604 642003 2010-04-01 | PEKISKO C       |
| 0604 642004 2001-02-01 | PEKISKO D       |
| 0604 642005 2010-05-01 | PEKISKO E       |
| 0604 642007 2001-02-01 | PEKISKO G       |
| 0604 642008 2006-06-01 | PEKISKO H       |
| 0604 642009 2001-02-01 | PEKISKO I       |

**POOL DESIGNATION (cont'd)**

|             |            |            |
|-------------|------------|------------|
| 0604 642011 | 2001-02-01 | PEKISKO K  |
| 0604 642014 | 2010-04-01 | PEKISKO N  |
| 0604 642015 | 2010-04-01 | PEKISKO O  |
| 0604 642016 | 2017-07-01 | PEKISKO P  |
| 0604 642018 | 2010-04-01 | PEKISKO R  |
| 0604 642019 | 2001-02-01 | PEKISKO S  |
| 0604 642020 | 2001-02-01 | PEKISKO T  |
| 0604 642021 | 2010-04-01 | PEKISKO U  |
| 0604 642022 | 2001-02-01 | PEKISKO V  |
| 0604 642024 | 2001-02-01 | PEKISKO X  |
| 0604 642025 | 2001-02-01 | PEKISKO Y  |
| 0604 642026 | 2008-10-01 | PEKISKO Z  |
| 0604 642027 | 2002-10-01 | PEKISKO AA |
| 0604 642029 | 2003-09-01 | PEKISKO CC |
| 0604 642030 | 2010-04-01 | PEKISKO DD |
| 0604 642031 | 2010-04-01 | PEKISKO EE |
| 0604 642032 | 2010-04-01 | PEKISKO FF |
| 0604 642033 | 2013-07-01 | PEKISKO GG |
|             |            |            |
| 0604 644001 | 2001-02-01 | BANFF A    |
|             |            |            |
| 0604 696001 | 2010-04-01 | NISKU A    |
| 0604 696002 | 2008-10-01 | NISKU B    |
| 0604 696003 | 2008-10-01 | NISKU C    |
| 0604 696004 | 2013-07-01 | NISKU D    |
|             |            |            |
| 0604 720001 | 2010-04-01 | D-3 A      |
| 0604 720002 | 2006-07-01 | D-3 B      |
| 0604 720003 | 2010-04-01 | D-3 C      |
| 0604 720004 | 2001-02-01 | D-3 D      |
| 0604 720005 | 2001-02-01 | D-3 E      |
| 0604 720006 | 2005-02-01 | D-3 F      |
| 0604 720007 | 2007-04-01 | D-3 G      |
| 0604 720008 | 2007-09-01 | D-3 H      |
| 0604 720009 | 2010-04-01 | D-3 I      |
| 0604 720010 | 2008-02-01 | D-3 J      |
| 0604 720011 | 2009-02-01 | D-3 K      |
| 0604 720012 | 2009-02-01 | D-3 L      |



**POOL DESIGNATION (cont'd)**

0604 728001 2015-06-01 DUVERNAY A  
 0604 732001 2001-02-01 COOKING LAKE A  
 0604 856200 2012-05-01 MFP8562 EDMONTON  
 0604 857100 2012-05-01 MFP8571 LWR EDMONTON

**SPACING PATTERN**

SU 4073 23 Apr 2003  
 SU 4073A 3 Jul 2003  
 SU 4073B 25 Sep 2003  
 SU 4073C 25 Feb 2004  
 SU 4073D 24 Mar 2004  
 SU 4073E 16 Jul 2004  
 SU 4073F 9 Aug 2004  
 SU 4073G 9 May 2005  
 SU 4073H 22 Aug 2005  
 SU 4073I 3 Jan 2006  
 SU 4073J 13 Feb 2006  
 SU 4073K 1 May 2006  
 SU 4073L 24 Jul 2007  
 SU 4073M 3 Aug 2007  
 SU 4073N 14 Sep 2007  
 SU 4073O 19 Oct 2007

**ENHANCED RECOVERY SCHEMES**

App 1797G 30 May 2014  
 Waterflood  
 Glauconitic A  
 NAL Resources Limited  
  
 App 2518D 1 Oct 2015  
 Waterflood  
 Glauconitic A  
 Taqa North Ltd.  
  
 App 3139C 30 May 2014  
 Waterflood  
 Glauconitic A  
 NAL Resources Limited  
  
 App 4008C 19 Mar 2014  
 Waterflood  
 Glauconitic A  
 Murphy Oil Company Ltd.  
  
 App 4655 12 Sep 1985  
  
 App 4655A 1 Jun 1987  
  
 App 4655B 17 Nov 1987  
  
 App 4655C 22 Oct 1991

**COMMINGLED PRODUCTION**

MU 8615 1 Apr 2014

**GAS PROCESSING**

App 5542F 23 Jan 2009  
 Processing of gas  
 Penn West Petroleum Ltd.

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

App 4655D 12 Apr 1994  
Waterflood  
Viking D  
Canadian Jorex Limited

App 4699G 21 Sep 2016  
Waterflood  
Glaucotic A  
Prairie Storm Energy Corp.

App 4700G 12 Dec 2013  
Waterflood  
Glaucotic A  
NAL Resources Ltd.

App 4815 28 Feb 1986

App 4815A 31 Mar 1987

App 4815B 5 Jul 1989

App 4815C 5 Jul 2002

App 4815D 17 Sep 2003  
Waterflood  
Viking D  
ConocoPhillips Canada Resources Corp.

App 4835G 27 Jul 2015  
Waterflood  
Ostracod A  
Talisman Energy Inc.

App 5350 1 Jun 1987

App 5350A 23 Nov 1990

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

App 5350B 12 Apr 1994  
Waterflood  
Viking D  
Canadian Jorex Limited  
Suspended per amendment 5350B

App 9612D 20 Jan 2015  
Waterflood  
Jurassic A  
ConocoPhillips Canada Resources Corp.

App 9614B 3 Oct 2016  
Waterflood  
Pekisko E  
ConocoPhillips Canada Resources Corp.

App 9718E 17 Oct 2016  
Waterflood  
Jurassic D and GG  
ConocoPhillips Canada Resources Corp.

App 10084B 30 Jul 2015  
Waterflood  
Basal Quartz B  
NAL Resources Limited

App 10528B 14 Jan 2015  
By gas injection  
Pekisko N  
ConocoPhillips Canada Resources Corp.

App 10641D 21 Sep 2016  
Waterflood  
Glaucotic A  
Prairie Storm Energy Corp.

**CONCURRENT PRODUCTION**

MISC 7823 29 Mar 1979  
 MISC 7823A 3 Dec 1992  
 MISC 7823B 29 Apr 1996  
 MISC 7823C 9 Apr 1997  
 MISC 7823D 5 Nov 1997  
 MISC 7823E 15 Mar 1999  
 Glauconitic A

MISC 93447 8 Feb 1994  
 MISC 93447A 19 Dec 1994  
 Basal Quartz LL

**SUBSURFACE DISPOSAL SCHEMES**

App 6881 19 Oct 1992

App 6881A 20 Apr 1993  
 Class Ib  
 Newalta Corporation

App 7213B 7 Mar 2012  
 Class II  
 NAL Resources Limited

App 7442A 16 Apr 2012  
 Class II  
 NAL Resources Limited

App 10047C 1 Mar 2017  
 Class Ib  
 Medicine River Oil Recyclers Ltd.

App 12546 9 Sep 2016  
 Class II & Ib  
 Medicine River Oil Recyclers Ltd.

**COMPULSORY POOLING**

P 51 20 Mar 1982  
 Gas  
 33-038-03W5M  
 Suncor Inc.

P 82 22 Jul 1986  
 Gas  
 05-039-01W5M  
 APL Oil & Gas Ltd.

P 162 19 Aug 1997  
 Gas  
 15-039-03W5M  
 Glen Isle Exploration Ltd. &  
 EnCal Energy Ltd.

P 252 4 May 2004  
 P 252A 25 Jun 2004  
 P 252B 22 May 2007  
 Gas  
 31-038-02W5M  
 International Sovereign Energy Corp.

P 294 5 Dec 2005  
 Gas  
 17-039-03W5M  
 ConocoPhillips Canada Resources Corp.

**FIELD DESIGNATION**

0605 2004-02-01 MEEKWAP FIELD

**POOL DESIGNATION**

0605 264001 2002-02-01 SPIRIT RIVER A

0605 264002 2004-03-01 SPIRIT RIVER B

0605 326001 2010-04-01 GETHING A

0605 326002 2004-02-01 GETHING B

0605 326003 2006-12-01 GETHING C

0605 326004 2007-08-01 GETHING D

0605 696001 2010-04-01 D-2 A

0605 696005 2010-04-01 D-2 E

0605 696006 2001-02-01 D-2 F

0605 696007 2010-04-01 D-2 G

0605 696008 2009-09-01 D-2 H

**SPACING PATTERN**

SU 2435 9 Jan 1996

SU 2435A 14 Jul 1998

SU 2435B 27 Jan 1999

SU 2435C 22 Jun 2000

SU 2435D 23 Mar 2001

SU 2435E 12 Sep 2007

**COMMINGLED PRODUCTION**

MU 3343 25 Feb 2004

**ENHANCED RECOVERY SCHEMES**

App 5689L 26 Feb 2015

Waterflood

D-2 A

Penn West Petroleum Ltd.

**FIELD DESIGNATION**

0570 2009-05-01                      MEGA FIELD

**POOL DESIGNATION**

0570 612001 2010-04-01          DEBOLT A  
0570 612002 2001-07-01          DEBOLT B  
0570 612003 2001-12-01          DEBOLT C

0570 640001 2010-06-01          SHUNDA A  
0570 640002 2010-09-01          SHUNDA B

0570 758001 2010-08-01          SLAVE POINT A

0570 772101 2008-11-01          KEG RIVER A  
0570 772102 2008-06-01          KEG RIVER B  
0570 772103 2008-10-01          KEG RIVER C  
0570 772104 2008-11-01          KEG RIVER D

**SUBSURFACE DISPOSAL SCHEMES**

App 9058      26 Mar 2002  
Class II  
Penn West Petroleum Ltd.

**FIELD DESIGNATION**

0607 2008-08-01 MELLOWDALE FIELD

**POOL DESIGNATION**

0607 218001 2006-12-01 VIKING A  
0607 218002 2001-02-01 VIKING B  
0607 218003 2002-05-01 VIKING C

0607 250001 2001-02-01 UPPER MANNVILLE A  
0607 250002 2002-02-01 UPPER MANNVILLE B  
0607 250003 2010-04-01 UPPER MANNVILLE C  
0607 250004 2004-05-01 UPPER MANNVILLE D  
0607 250005 2006-06-01 UPPER MANNVILLE E  
0607 250006 2006-06-01 UPPER MANNVILLE F  
0607 250007 2008-08-01 UPPER MANNVILLE G  
0607 250008 2008-08-01 UPPER MANNVILLE H  
0607 250009 2010-04-01 UPPER MANNVILLE I  
0607 250010 2009-10-01 UPPER MANNVILLE J

0607 310001 2001-02-01 LOWER MANNVILLE A  
0607 310002 2010-04-01 LOWER MANNVILLE B  
0607 310003 2002-09-01 LOWER MANNVILLE C  
0607 310004 2001-02-01 LOWER MANNVILLE D  
0607 310005 2003-06-01 LOWER MANNVILLE E

0607 336002 2005-06-01 ELLERSLIE B  
0607 336003 2002-05-01 ELLERSLIE C  
0607 336004 2005-12-01 ELLERSLIE D  
0607 336005 2013-09-01 ELLERSLIE E

0607 644001 2008-11-01 BANFF A

**SPACING PATTERN**

SU 2445 13 Dec 1995  
SU 2445A 25 Feb 2004  
SU 2445B 1 Feb 2006  
SU 2445C 30 Mar 2007

**COMMINGLED PRODUCTION**

MU 8578 2 Jan 2014

**SUBSURFACE DISPOSAL SCHEMES**

App 5583C 28 Jan 2013

Class II

Twin Butte Energy Ltd.

**FIELD DESIGNATION**

0608 2001-02-01 MEYER FIELD

**POOL DESIGNATION**

0608 218001 2001-02-01 VIKING A

0608 250001 2001-02-01 UPPER MANNVILLE A  
0608 250002 2001-02-01 UPPER MANNVILLE B  
0608 250003 2010-04-01 UPPER MANNVILLE C  
0608 250004 2001-02-01 UPPER MANNVILLE D  
0608 250006 2001-02-01 UPPER MANNVILLE F  
0608 250007 2001-02-01 UPPER MANNVILLE G  
0608 250008 2001-02-01 UPPER MANNVILLE H  
0608 250009 2001-02-01 UPPER MANNVILLE I  
0608 250010 2001-02-01 UPPER MANNVILLE J  
0608 250011 2001-02-01 UPPER MANNVILLE K  
0608 250012 2001-02-01 UPPER MANNVILLE L  
0608 250014 2001-02-01 UPPER MANNVILLE N  
0608 250015 2001-02-01 UPPER MANNVILLE O  
0608 250017 2001-02-01 UPPER MANNVILLE Q  
0608 250018 2001-02-01 UPPER MANNVILLE R  
0608 250019 2010-05-01 UPPER MANNVILLE S  
0608 250020 2001-02-01 UPPER MANNVILLE T  
0608 250021 2001-02-01 UPPER MANNVILLE U  
0608 250022 2010-04-01 UPPER MANNVILLE V  
0608 250023 2001-02-01 UPPER MANNVILLE W  
0608 250024 2011-04-01 UPPER MANNVILLE X  
0608 250025 2001-02-01 UPPER MANNVILLE Y  
0608 250026 2001-02-01 UPPER MANNVILLE Z  
0608 250027 2001-02-01 UPPER MANNVILLE AA  
0608 250029 2001-02-01 UPPER MANNVILLE CC  
0608 250030 2001-02-01 UPPER MANNVILLE DD  
0608 250031 2001-02-01 UPPER MANNVILLE EE  
0608 250032 2001-02-01 UPPER MANNVILLE FF  
0608 250033 2001-02-01 UPPER MANNVILLE GG  
0608 250034 2001-02-01 UPPER MANNVILLE HH



**POOL DESIGNATION (cont'd)**

|             |            |                     |
|-------------|------------|---------------------|
| 0608 250035 | 2001-02-01 | UPPER MANNVILLE II  |
| 0608 250036 | 2001-02-01 | UPPER MANNVILLE JJ  |
| 0608 250037 | 2012-05-01 | UPPER MANNVILLE KK  |
| 0608 250038 | 2001-02-01 | UPPER MANNVILLE LL  |
| 0608 250039 | 2001-02-01 | UPPER MANNVILLE MM  |
| 0608 250040 | 2001-02-01 | UPPER MANNVILLE NN  |
| 0608 250041 | 2001-03-01 | UPPER MANNVILLE OO  |
| 0608 250042 | 2001-03-01 | UPPER MANNVILLE PP  |
| 0608 250043 | 2002-01-01 | UPPER MANNVILLE QQ  |
| 0608 250044 | 2002-02-01 | UPPER MANNVILLE RR  |
| 0608 250045 | 2002-02-01 | UPPER MANNVILLE SS  |
| 0608 250046 | 2002-02-01 | UPPER MANNVILLE TT  |
| 0608 250047 | 2002-05-01 | UPPER MANNVILLE UU  |
| 0608 250048 | 2002-10-01 | UPPER MANNVILLE VV  |
| 0608 250049 | 2003-05-01 | UPPER MANNVILLE WW  |
| 0608 250050 | 2003-10-01 | UPPER MANNVILLE XX  |
| 0608 250051 | 2004-03-01 | UPPER MANNVILLE YY  |
| 0608 250052 | 2003-11-01 | UPPER MANNVILLE ZZ  |
| 0608 250701 | 2006-06-01 | UPPER MANNVILLE AAA |
| 0608 250702 | 2007-06-01 | UPPER MANNVILLE BBB |
| 0608 250703 | 2008-11-01 | UPPER MANNVILLE CCC |
| 0608 250704 | 2008-03-01 | UPPER MANNVILLE DDD |
|             |            |                     |
| 0608 310002 | 2007-06-01 | LOWER MANNVILLE B   |
| 0608 310003 | 2008-12-01 | LOWER MANNVILLE C   |
|             |            |                     |
| 0608 328001 | 2002-02-01 | MCMURRAY A          |
| 0608 328002 | 2002-10-01 | MCMURRAY B          |
| 0608 328003 | 2009-06-01 | MCMURRAY C          |
|             |            |                     |
| 0608 350001 | 2001-02-01 | DETRITAL A          |
|             |            |                     |
| 0608 658001 | 2001-10-01 | WABAMUN A           |
| 0608 658002 | 2001-02-01 | WABAMUN B           |
| 0608 658003 | 2001-02-01 | WABAMUN C           |
| 0608 658004 | 2001-02-01 | WABAMUN D           |
| 0608 658005 | 2001-02-01 | WABAMUN E           |
| 0608 658006 | 2001-02-01 | WABAMUN F           |

**POOL DESIGNATION (cont'd)**

0608 658007 2001-03-01 WABAMUN G

0608 658008 2007-07-01 WABAMUN H

**SPACING PATTERN**

SU 2697 7 Mar 1996

**COMMINGLED PRODUCTION**

MU 5261 9 Feb 2006

**FIELD DESIGNATION**

0621 2015-06-01 MICHICHI FIELD

**POOL DESIGNATION**

0621 106010 2004-10-01 EDMONTON J  
0621 106011 2010-04-01 EDMONTON K

0621 118802 2007-09-01 LOWER EDMONTON B  
0621 118803 2010-04-01 LOWER EDMONTON C  
0621 118806 2006-11-01 LOWER EDMONTON F  
0621 118808 2010-01-01 LOWER EDMONTON H

0621 126032 2001-03-01 BELLY RIVER FF

0621 134009 2010-04-01 BASAL BELLY RIVER I  
0621 134012 2005-07-01 BASAL BELLY RIVER L  
0621 134013 2010-07-01 BASAL BELLY RIVER M

0621 186001 2009-02-01 SECOND WHITE SPECKS A  
0621 186002 2007-06-01 SECOND WHITE SPECKS B

0621 218001 2001-02-01 VIKING A  
0621 218002 2004-08-01 VIKING B  
0621 218003 2004-08-01 VIKING C  
0621 218004 2008-06-01 VIKING D  
0621 218005 2008-12-01 VIKING E

0621 248001 2016-09-01 MANNVILLE A

0621 250001 2001-02-01 UPPER MANNVILLE A  
0621 250002 2001-02-01 UPPER MANNVILLE B  
0621 250003 2001-02-01 UPPER MANNVILLE C  
0621 250004 2010-04-01 UPPER MANNVILLE D  
0621 250005 2001-02-01 UPPER MANNVILLE E  
0621 250006 2010-04-01 UPPER MANNVILLE F  
0621 250007 2001-02-01 UPPER MANNVILLE G

**POOL DESIGNATION (cont'd)**

|             |            |                    |
|-------------|------------|--------------------|
| 0621 250008 | 2001-02-01 | UPPER MANNVILLE H  |
| 0621 250009 | 2006-05-01 | UPPER MANNVILLE I  |
| 0621 250010 | 2007-06-01 | UPPER MANNVILLE J  |
| 0621 250011 | 2001-02-01 | UPPER MANNVILLE K  |
| 0621 250013 | 2001-02-01 | UPPER MANNVILLE M  |
| 0621 250014 | 2010-04-01 | UPPER MANNVILLE N  |
| 0621 250015 | 2001-02-01 | UPPER MANNVILLE O  |
| 0621 250016 | 2010-04-01 | UPPER MANNVILLE P  |
| 0621 250017 | 2001-02-01 | UPPER MANNVILLE Q  |
| 0621 250018 | 2001-02-01 | UPPER MANNVILLE R  |
| 0621 250019 | 2001-04-01 | UPPER MANNVILLE S  |
| 0621 250020 | 2001-06-01 | UPPER MANNVILLE T  |
| 0621 250021 | 2001-10-01 | UPPER MANNVILLE U  |
| 0621 250022 | 2002-08-01 | UPPER MANNVILLE V  |
| 0621 250023 | 2010-04-01 | UPPER MANNVILLE W  |
| 0621 250024 | 2002-12-01 | UPPER MANNVILLE X  |
| 0621 250025 | 2003-02-01 | UPPER MANNVILLE Y  |
| 0621 250026 | 2004-11-01 | UPPER MANNVILLE Z  |
| 0621 250027 | 2004-11-01 | UPPER MANNVILLE AA |
| 0621 250028 | 2003-07-01 | UPPER MANNVILLE BB |
| 0621 250029 | 2007-02-01 | UPPER MANNVILLE CC |
| 0621 250030 | 2004-02-01 | UPPER MANNVILLE DD |
| 0621 250031 | 2004-02-01 | UPPER MANNVILLE EE |
| 0621 250032 | 2004-08-01 | UPPER MANNVILLE FF |
| 0621 250033 | 2004-08-01 | UPPER MANNVILLE GG |
| 0621 250034 | 2004-08-01 | UPPER MANNVILLE HH |
| 0621 250035 | 2008-05-01 | UPPER MANNVILLE II |
| 0621 250036 | 2005-07-01 | UPPER MANNVILLE JJ |
| 0621 250037 | 2005-07-01 | UPPER MANNVILLE KK |
| 0621 250041 | 2005-02-01 | UPPER MANNVILLE OO |
| 0621 250042 | 2005-05-01 | UPPER MANNVILLE PP |
| 0621 250043 | 2010-01-01 | UPPER MANNVILLE QQ |
| 0621 250045 | 2005-10-01 | UPPER MANNVILLE SS |
| 0621 250046 | 2006-02-01 | UPPER MANNVILLE TT |
| 0621 250047 | 2006-08-01 | UPPER MANNVILLE UU |
| 0621 250048 | 2006-11-01 | UPPER MANNVILLE VV |
| 0621 250049 | 2010-04-01 | UPPER MANNVILLE WW |
| 0621 250050 | 2010-04-01 | UPPER MANNVILLE XX |

**POOL DESIGNATION (cont'd)**

|                        |                     |
|------------------------|---------------------|
| 0621 250051 2006-09-01 | UPPER MANNVILLE YY  |
| 0621 250052 2006-09-01 | UPPER MANNVILLE ZZ  |
| 0621 250701 2006-12-01 | UPPER MANNVILLE AAA |
| 0621 250702 2010-04-01 | UPPER MANNVILLE BBB |
| 0621 250703 2007-02-01 | UPPER MANNVILLE CCC |
| 0621 250704 2007-06-01 | UPPER MANNVILLE DDD |
| 0621 250705 2007-06-01 | UPPER MANNVILLE EEE |
| 0621 250706 2007-06-01 | UPPER MANNVILLE FFF |
| 0621 250707 2010-01-01 | UPPER MANNVILLE GGG |
| 0621 250708 2007-06-01 | UPPER MANNVILLE HHH |
| 0621 250709 2007-10-01 | UPPER MANNVILLE III |
| 0621 250710 2007-07-01 | UPPER MANNVILLE JJJ |
| 0621 250711 2010-04-01 | UPPER MANNVILLE KKK |
| 0621 250712 2008-04-01 | UPPER MANNVILLE LLL |
| 0621 250713 2008-05-01 | UPPER MANNVILLE MMM |
| 0621 250714 2009-03-01 | UPPER MANNVILLE NNN |
| 0621 250715 2010-03-01 | UPPER MANNVILLE OOO |
| 0621 250716 2012-05-01 | UPPER MANNVILLE PPP |
| 0621 250717 2013-06-01 | UPPER MANNVILLE QQQ |
| 0621 250718 2013-07-01 | UPPER MANNVILLE RRR |
| 0621 250719 2013-11-01 | UPPER MANNVILLE SSS |
| 0621 250720 2013-11-01 | UPPER MANNVILLE TTT |
|                        |                     |
| 0621 310002 2002-10-01 | LOWER MANNVILLE B   |
| 0621 310005 2001-02-01 | LOWER MANNVILLE E   |
| 0621 310009 2013-06-01 | LOWER MANNVILLE I   |
| 0621 310010 2002-10-01 | LOWER MANNVILLE J   |
| 0621 310011 2001-02-01 | LOWER MANNVILLE K   |
| 0621 310012 2001-02-01 | LOWER MANNVILLE L   |
| 0621 310013 2004-08-01 | LOWER MANNVILLE M   |
| 0621 310015 2001-02-01 | LOWER MANNVILLE O   |
| 0621 310016 2001-02-01 | LOWER MANNVILLE P   |
| 0621 310018 2001-02-01 | LOWER MANNVILLE R   |
| 0621 310019 2001-02-01 | LOWER MANNVILLE S   |
| 0621 310020 2009-07-01 | LOWER MANNVILLE T   |
| 0621 310021 2001-02-01 | LOWER MANNVILLE U   |
| 0621 310022 2001-03-01 | LOWER MANNVILLE V   |
| 0621 310023 2002-02-01 | LOWER MANNVILLE W   |

**POOL DESIGNATION (cont'd)**

|                        |                    |
|------------------------|--------------------|
| 0621 310024 2010-12-01 | LOWER MANNVILLE X  |
| 0621 310025 2002-09-01 | LOWER MANNVILLE Y  |
| 0621 310026 2006-07-01 | LOWER MANNVILLE Z  |
| 0621 310027 2007-10-01 | LOWER MANNVILLE AA |
| 0621 310028 2004-08-01 | LOWER MANNVILLE BB |
| 0621 310029 2004-08-01 | LOWER MANNVILLE CC |
| 0621 310030 2005-07-01 | LOWER MANNVILLE DD |
| 0621 310031 2004-08-01 | LOWER MANNVILLE EE |
| 0621 310032 2004-08-01 | LOWER MANNVILLE FF |
| 0621 310033 2010-04-01 | LOWER MANNVILLE GG |
| 0621 310034 2008-02-01 | LOWER MANNVILLE HH |
| 0621 310035 2008-06-01 | LOWER MANNVILLE II |
| 0621 310036 2012-05-01 | LOWER MANNVILLE JJ |
| 0621 310037 2013-02-01 | LOWER MANNVILLE KK |
| 0621 310038 2013-06-01 | LOWER MANNVILLE LL |
| 0621 310039 2013-08-01 | LOWER MANNVILLE MM |
| 0621 310040 2013-11-01 | LOWER MANNVILLE NN |
| 0621 310041 2014-01-01 | LOWER MANNVILLE OO |
| 0621 316002 2001-03-01 | OSTRACOD B         |
| 0621 316003 2002-02-01 | OSTRACOD C         |
| 0621 316004 2010-04-01 | OSTRACOD D         |
| 0621 336001 2015-11-01 | ELLERSLIE A        |
| 0621 336002 2015-11-01 | ELLERSLIE B        |
| 0621 350003 2001-02-01 | DETRITAL C         |
| 0621 350004 2001-02-01 | DETRITAL D         |
| 0621 350005 2010-04-01 | DETRITAL E         |
| 0621 350006 2012-07-01 | DETRITAL F         |
| 0621 350007 2012-03-01 | DETRITAL G         |
| 0621 350009 2006-09-01 | DETRITAL I         |
| 0621 350010 2006-09-01 | DETRITAL J         |
| 0621 350011 2010-04-01 | DETRITAL K         |
| 0621 350012 2008-12-01 | DETRITAL L         |
| 0621 350013 2013-06-01 | DETRITAL M         |
| 0621 350014 2013-07-01 | DETRITAL N         |
| 0621 350015 2013-04-01 | DETRITAL O         |

**POOL DESIGNATION (cont'd)**

|                        |                       |
|------------------------|-----------------------|
| 0621 350017 2013-07-01 | DETRITAL Q            |
| 0621 644001 2013-09-01 | BANFF A               |
| 0621 644003 2016-05-01 | BANFF C               |
| 0621 644004 2016-04-01 | BANFF D               |
| 0621 644005 2001-02-01 | BANFF E               |
| 0621 644010 2013-07-01 | BANFF J               |
| 0621 644011 2010-04-01 | BANFF K               |
| 0621 644012 2014-04-01 | BANFF L               |
| 0621 644014 2013-03-01 | BANFF N               |
| 0621 644016 2001-02-01 | BANFF P               |
| 0621 644017 2001-02-01 | BANFF Q               |
| 0621 644019 2001-02-01 | BANFF S               |
| 0621 644020 2014-04-01 | BANFF T               |
| 0621 644021 2001-02-01 | BANFF U               |
| 0621 644022 2001-02-01 | BANFF V               |
| 0621 644023 2001-02-01 | BANFF W               |
| 0621 644024 2014-04-01 | BANFF X               |
| 0621 644025 2001-02-01 | BANFF Y               |
| 0621 644026 2008-10-01 | BANFF Z               |
| 0621 644027 2011-05-01 | BANFF AA              |
| 0621 644028 2011-07-01 | BANFF BB              |
| 0621 644030 2012-03-01 | BANFF DD              |
| 0621 644031 2016-01-01 | BANFF EE              |
| 0621 644033 2012-07-01 | BANFF GG              |
| 0621 644035 2015-05-01 | BANFF II              |
| 0621 644036 2014-03-01 | BANFF JJ              |
| 0621 850600 2015-06-01 | MFP8506 BELLY RIVER   |
| 0621 854000 2015-06-01 | MFP8540 BSL BELLY RIV |
| 0621 854300 2015-06-01 | MFP8543 BSL BELLY RIV |

**SPACING PATTERN**

SU 4216      2 Sep 2004  
SU 4216A     28 Jan 2005  
SU 4216B     2 Feb 2006

**COMMINGLED PRODUCTION**

MU 8529      24 Sep 2013



**FIELD DESIGNATION**

0609 2014-05-01                      MIKWAN FIELD

**POOL DESIGNATION**

0609 118801 2010-11-01            LOWER EDMONTON A  
0609 118802 2010-04-01            LOWER EDMONTON B  
0609 118803 2010-11-01            LOWER EDMONTON C  
0609 118804 2011-04-01            LOWER EDMONTON D  
0609 118805 2011-06-01            LOWER EDMONTON E  
0609 118806 2014-04-01            LOWER EDMONTON F  
0609 118807 2011-12-01            LOWER EDMONTON G  
0609 118808 2013-04-01            LOWER EDMONTON H  
0609 118809 2013-04-01            LOWER EDMONTON I  
0609 118810 2013-04-01            LOWER EDMONTON J

0609 126004 2012-06-01            BELLY RIVER D  
0609 126005 2001-02-01            BELLY RIVER E  
0609 126014 2006-01-01            BELLY RIVER N  
0609 126016 2010-04-01            BELLY RIVER P  
0609 126021 2010-04-01            BELLY RIVER U  
0609 126024 2010-04-01            BELLY RIVER X  
0609 126028 2010-11-01            BELLY RIVER BB  
0609 126029 2016-01-01            BELLY RIVER CC  
0609 126030 2013-12-01            BELLY RIVER DD  
0609 126031 2012-05-01            BELLY RIVER EE  
0609 126032 2012-07-01            BELLY RIVER FF  
0609 126033 2013-04-01            BELLY RIVER GG  
0609 126034 2016-06-01            BELLY RIVER HH  
0609 126035 2016-12-01            BELLY RIVER II

0609 134001 2005-07-01            BASAL BELLY RIVER A  
0609 134005 2011-04-01            BASAL BELLY RIVER E  
0609 134009 2010-11-01            BASAL BELLY RIVER I  
0609 134012 2012-01-01            BASAL BELLY RIVER L  
0609 134013 2012-04-01            BASAL BELLY RIVER M  
0609 134014 2013-04-01            BASAL BELLY RIVER N

**POOL DESIGNATION (cont'd)**

|                        |                     |
|------------------------|---------------------|
| 0609 134015 2014-01-01 | BASAL BELLY RIVER O |
| 0609 134016 2014-01-01 | BASAL BELLY RIVER P |
| 0609 134017 2016-12-01 | BASAL BELLY RIVER Q |
|                        |                     |
| 0609 160001 2013-04-01 | COLORADO A          |
| 0609 160002 2016-05-01 | COLORADO B          |
|                        |                     |
| 0609 218002 2010-04-01 | VIKING B            |
| 0609 218003 2001-02-01 | VIKING C            |
| 0609 218004 2001-02-01 | VIKING D            |
| 0609 218005 2001-02-01 | VIKING E            |
| 0609 218006 2001-02-01 | VIKING F            |
| 0609 218008 2001-02-01 | VIKING H            |
| 0609 218009 2001-02-01 | VIKING I            |
| 0609 218010 2001-02-01 | VIKING J            |
| 0609 218011 2001-02-01 | VIKING K            |
| 0609 218012 2004-08-01 | VIKING L            |
| 0609 218014 2001-02-01 | VIKING N            |
| 0609 218015 2001-02-01 | VIKING O            |
| 0609 218016 2001-02-01 | VIKING P            |
| 0609 218017 2001-02-01 | VIKING Q            |
| 0609 218018 2001-03-01 | VIKING R            |
| 0609 218019 2010-04-01 | VIKING S            |
| 0609 218020 2005-10-01 | VIKING T            |
| 0609 218021 2010-04-01 | VIKING U            |
| 0609 218022 2007-06-01 | VIKING V            |
| 0609 218023 2008-02-01 | VIKING W            |
| 0609 218024 2008-10-01 | VIKING X            |
| 0609 218025 2010-11-01 | VIKING Y            |
| 0609 218026 2013-07-01 | VIKING Z            |
| 0609 218027 2014-07-01 | VIKING AA           |
| 0609 218028 2014-07-01 | VIKING BB           |
|                        |                     |
| 0609 250001 2006-06-01 | UPPER MANNVILLE A   |
| 0609 250003 2001-02-01 | UPPER MANNVILLE C   |
| 0609 250005 2001-02-01 | UPPER MANNVILLE E   |
| 0609 250006 2010-04-01 | UPPER MANNVILLE F   |
| 0609 250007 2001-02-01 | UPPER MANNVILLE G   |

**POOL DESIGNATION (cont'd)**

|             |            |                    |
|-------------|------------|--------------------|
| 0609 250008 | 2001-02-01 | UPPER MANNVILLE H  |
| 0609 250009 | 2010-04-01 | UPPER MANNVILLE I  |
| 0609 250011 | 2001-02-01 | UPPER MANNVILLE K  |
| 0609 250013 | 2004-08-01 | UPPER MANNVILLE M  |
| 0609 250014 | 2001-02-01 | UPPER MANNVILLE N  |
| 0609 250015 | 2001-02-01 | UPPER MANNVILLE O  |
| 0609 250016 | 2001-02-01 | UPPER MANNVILLE P  |
| 0609 250017 | 2007-07-01 | UPPER MANNVILLE Q  |
| 0609 250018 | 2001-02-01 | UPPER MANNVILLE R  |
| 0609 250019 | 2010-04-01 | UPPER MANNVILLE S  |
| 0609 250020 | 2001-02-01 | UPPER MANNVILLE T  |
| 0609 250021 | 2001-02-01 | UPPER MANNVILLE U  |
| 0609 250022 | 2001-02-01 | UPPER MANNVILLE V  |
| 0609 250023 | 2001-02-01 | UPPER MANNVILLE W  |
| 0609 250024 | 2001-02-01 | UPPER MANNVILLE X  |
| 0609 250025 | 2010-04-01 | UPPER MANNVILLE Y  |
| 0609 250026 | 2001-02-01 | UPPER MANNVILLE Z  |
| 0609 250027 | 2001-02-01 | UPPER MANNVILLE AA |
| 0609 250028 | 2001-02-01 | UPPER MANNVILLE BB |
| 0609 250029 | 2001-02-01 | UPPER MANNVILLE CC |
| 0609 250031 | 2001-02-01 | UPPER MANNVILLE EE |
| 0609 250032 | 2001-02-01 | UPPER MANNVILLE FF |
| 0609 250033 | 2010-04-01 | UPPER MANNVILLE GG |
| 0609 250034 | 2001-02-01 | UPPER MANNVILLE HH |
| 0609 250035 | 2001-02-01 | UPPER MANNVILLE II |
| 0609 250036 | 2001-02-01 | UPPER MANNVILLE JJ |
| 0609 250037 | 2001-02-01 | UPPER MANNVILLE KK |
| 0609 250038 | 2001-02-01 | UPPER MANNVILLE LL |
| 0609 250039 | 2001-02-01 | UPPER MANNVILLE MM |
| 0609 250040 | 2001-02-01 | UPPER MANNVILLE NN |
| 0609 250041 | 2001-02-01 | UPPER MANNVILLE OO |
| 0609 250042 | 2001-02-01 | UPPER MANNVILLE PP |
| 0609 250043 | 2013-10-01 | UPPER MANNVILLE QQ |
| 0609 250044 | 2001-02-01 | UPPER MANNVILLE RR |
| 0609 250045 | 2001-02-01 | UPPER MANNVILLE SS |
| 0609 250046 | 2001-02-01 | UPPER MANNVILLE TT |
| 0609 250048 | 2001-02-01 | UPPER MANNVILLE VV |
| 0609 250049 | 2001-03-01 | UPPER MANNVILLE WW |

**POOL DESIGNATION (cont'd)**

|             |            |                     |
|-------------|------------|---------------------|
| 0609 250051 | 2001-12-01 | UPPER MANNVILLE YY  |
| 0609 250052 | 2004-02-01 | UPPER MANNVILLE ZZ  |
| 0609 250701 | 2010-04-01 | UPPER MANNVILLE AAA |
| 0609 250702 | 2005-04-01 | UPPER MANNVILLE BBB |
| 0609 250703 | 2007-10-01 | UPPER MANNVILLE CCC |
| 0609 250704 | 2005-06-01 | UPPER MANNVILLE DDD |
| 0609 250705 | 2006-01-01 | UPPER MANNVILLE EEE |
| 0609 250706 | 2010-04-01 | UPPER MANNVILLE FFF |
| 0609 250707 | 2010-04-01 | UPPER MANNVILLE GGG |
| 0609 250708 | 2006-12-01 | UPPER MANNVILLE HHH |
| 0609 250709 | 2007-05-01 | UPPER MANNVILLE III |
| 0609 250710 | 2007-11-01 | UPPER MANNVILLE JJJ |
| 0609 250711 | 2010-11-01 | UPPER MANNVILLE KKK |
| 0609 250712 | 2011-06-01 | UPPER MANNVILLE LLL |
| 0609 250713 | 2013-11-01 | UPPER MANNVILLE MMM |
| 0609 250714 | 2013-11-01 | UPPER MANNVILLE NNN |
|             |            |                     |
| 0609 310001 | 2010-04-01 | LOWER MANNVILLE A   |
| 0609 310003 | 2001-02-01 | LOWER MANNVILLE C   |
| 0609 310005 | 2001-02-01 | LOWER MANNVILLE E   |
| 0609 310006 | 2001-02-01 | LOWER MANNVILLE F   |
| 0609 310009 | 2010-04-01 | LOWER MANNVILLE I   |
| 0609 310010 | 2010-04-01 | LOWER MANNVILLE J   |
| 0609 310013 | 2001-02-01 | LOWER MANNVILLE M   |
| 0609 310015 | 2001-02-01 | LOWER MANNVILLE O   |
| 0609 310016 | 2001-02-01 | LOWER MANNVILLE P   |
| 0609 310017 | 2001-10-01 | LOWER MANNVILLE Q   |
| 0609 310018 | 2001-02-01 | LOWER MANNVILLE R   |
| 0609 310019 | 2001-02-01 | LOWER MANNVILLE S   |
| 0609 310020 | 2001-02-01 | LOWER MANNVILLE T   |
| 0609 310022 | 2001-02-01 | LOWER MANNVILLE V   |
| 0609 310023 | 2001-02-01 | LOWER MANNVILLE W   |
| 0609 310024 | 2001-02-01 | LOWER MANNVILLE X   |
| 0609 310025 | 2001-02-01 | LOWER MANNVILLE Y   |
| 0609 310026 | 2001-02-01 | LOWER MANNVILLE Z   |
| 0609 310027 | 2001-02-01 | LOWER MANNVILLE AA  |
| 0609 310028 | 2001-02-01 | LOWER MANNVILLE BB  |
| 0609 310029 | 2010-04-01 | LOWER MANNVILLE CC  |

**POOL DESIGNATION (cont'd)**

|             |            |                     |
|-------------|------------|---------------------|
| 0609 310030 | 2001-02-01 | LOWER MANNVILLE DD  |
| 0609 310031 | 2001-02-01 | LOWER MANNVILLE EE  |
| 0609 310032 | 2001-02-01 | LOWER MANNVILLE FF  |
| 0609 310033 | 2001-02-01 | LOWER MANNVILLE GG  |
| 0609 310034 | 2001-02-01 | LOWER MANNVILLE HH  |
| 0609 310035 | 2011-05-01 | LOWER MANNVILLE II  |
| 0609 310037 | 2010-04-01 | LOWER MANNVILLE KK  |
| 0609 310038 | 2010-04-01 | LOWER MANNVILLE LL  |
| 0609 310039 | 2001-02-01 | LOWER MANNVILLE MM  |
| 0609 310040 | 2010-04-01 | LOWER MANNVILLE NN  |
| 0609 310041 | 2001-02-01 | LOWER MANNVILLE OO  |
| 0609 310042 | 2001-02-01 | LOWER MANNVILLE PP  |
| 0609 310043 | 2005-07-01 | LOWER MANNVILLE QQ  |
| 0609 310045 | 2001-02-01 | LOWER MANNVILLE SS  |
| 0609 310046 | 2001-02-01 | LOWER MANNVILLE TT  |
| 0609 310047 | 2001-02-01 | LOWER MANNVILLE UU  |
| 0609 310048 | 2001-02-01 | LOWER MANNVILLE VV  |
| 0609 310049 | 2001-02-01 | LOWER MANNVILLE WW  |
| 0609 310050 | 2001-02-01 | LOWER MANNVILLE XX  |
| 0609 310051 | 2001-02-01 | LOWER MANNVILLE YY  |
| 0609 310052 | 2001-02-01 | LOWER MANNVILLE ZZ  |
| 0609 310101 | 2001-11-01 | LOWER MANNVILLE AAA |
| 0609 310102 | 2001-02-01 | LOWER MANNVILLE BBB |
| 0609 310103 | 2001-03-01 | LOWER MANNVILLE CCC |
| 0609 310104 | 2001-11-01 | LOWER MANNVILLE DDD |
| 0609 310105 | 2001-12-01 | LOWER MANNVILLE EEE |
| 0609 310108 | 2010-04-01 | LOWER MANNVILLE HHH |
| 0609 310109 | 2002-07-01 | LOWER MANNVILLE III |
| 0609 310110 | 2003-05-01 | LOWER MANNVILLE JJJ |
| 0609 310111 | 2003-10-01 | LOWER MANNVILLE KKK |
| 0609 310112 | 2010-04-01 | LOWER MANNVILLE LLL |
| 0609 310113 | 2007-03-01 | LOWER MANNVILLE MMM |
| 0609 310114 | 2015-01-01 | LOWER MANNVILLE NNN |
| 0609 310115 | 2010-04-01 | LOWER MANNVILLE OOO |
| 0609 310116 | 2005-09-01 | LOWER MANNVILLE PPP |
| 0609 310117 | 2006-04-01 | LOWER MANNVILLE QQQ |
| 0609 310118 | 2006-08-01 | LOWER MANNVILLE RRR |
| 0609 310119 | 2006-08-01 | LOWER MANNVILLE SSS |

**POOL DESIGNATION (cont'd)**

|                        |                     |
|------------------------|---------------------|
| 0609 310120 2006-09-01 | LOWER MANNVILLE TTT |
| 0609 310121 2009-08-01 | LOWER MANNVILLE UUU |
| 0609 310122 2009-08-01 | LOWER MANNVILLE VVV |
| 0609 310123 2011-09-01 | LOWER MANNVILLE WWW |
| 0609 310124 2013-11-01 | LOWER MANNVILLE XXX |
| 0609 310125 2013-11-01 | LOWER MANNVILLE YYY |
|                        |                     |
| 0609 658001 2009-03-01 | D-1 A               |
| 0609 658003 2012-07-01 | D-1 C               |
| 0609 658005 2004-08-01 | D-1 E               |
| 0609 658007 2006-07-01 | D-1 G               |
| 0609 658010 2008-08-01 | D-1 J               |
| 0609 658011 2008-10-01 | D-1 K               |
| 0609 658012 2008-12-01 | D-1 L               |
| 0609 658013 2009-04-01 | D-1 M               |
| 0609 658014 2009-08-01 | D-1 N               |
| 0609 658015 2011-08-01 | D-1 O               |
|                        |                     |
| 0609 696001 2010-04-01 | D-2 A               |
| 0609 696002 2001-02-01 | D-2 B               |
| 0609 696003 2010-04-01 | D-2 C               |
| 0609 696004 2001-02-01 | D-2 D               |
| 0609 696005 2001-02-01 | D-2 E               |
| 0609 696006 2010-04-01 | D-2 F               |
| 0609 696007 2001-02-01 | D-2 G               |
| 0609 696008 2010-04-01 | D-2 H               |
| 0609 696009 2001-03-01 | D-2 I               |
| 0609 696010 2001-02-01 | D-2 J               |
| 0609 696011 2001-02-01 | D-2 K               |
| 0609 696014 2010-04-01 | D-2 N               |
| 0609 696015 2008-11-01 | D-2 O               |
| 0609 696017 2015-09-01 | D-2 Q               |
| 0609 696018 2014-02-01 | D-2 R               |
| 0609 696019 2014-09-01 | D-2 S               |
| 0609 696020 2014-09-01 | D-2 T               |
| 0609 696021 2015-03-01 | D-2 U               |
| 0609 696022 2015-09-01 | D-2 V               |

**POOL DESIGNATION (cont'd)**

0609 720001 2010-04-01 D-3 A  
0609 720002 2001-02-01 D-3 B  
0609 720003 2001-02-01 D-3 C  
0609 720005 2001-02-01 D-3 E

0609 850600 2014-05-01 MFP8506 BELLY RIVER

**SPACING PATTERN**

SU 4211 10 Aug 2004  
SU 4211A 19 Nov 2004  
SU 4211B 23 Nov 2004  
SU 4211C 2 Dec 2004  
SU 4211D 23 Feb 2005  
SU 4211E 23 Mar 2005  
SU 4211F 18 Apr 2005  
SU 4211G 11 Jun 2005  
SU 4211H 4 Aug 2005  
SU 4211I 31 Aug 2005  
SU 4211J 13 Dec 2005  
SU 4211K 20 Jan 2006  
SU 4211L 8 Mar 2006  
SU 4211M 20 Mar 2006  
SU 4211N 6 Apr 2006

**COMMINGLED PRODUCTION**

MU 8641 10 Jul 2014

**CONCURRENT PRODUCTION**

App 3269 30 Mar 1981  
App 3269A 7 Apr 1983  
App 3269B 7 Sep 1989

**CONCURRENT PRODUCTION (cont'd)**

App 3269C 13 Jan 1994  
Upper Mannville F  
Cansearch Resources Ltd.

**SUBSURFACE DISPOSAL SCHEMES**

App 5439A 17 Jun 2011  
Class II  
Penn West Petroleum Ltd.  
App 8137B 29 Apr 2015  
Class II  
Long Run Exploration Ltd.  
App 8145C 30 Jun 2015  
Class II  
TAQA North Ltd.

**INDEX OF AER ORDERS AND APPROVALS**

**MIL**

**MILK RIVER AREA**

**1328**

**August 2017**

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**SPACING PATTERN**

SU 2440      12 Dec 1995



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**MIL**

**MILLARVILLE FIELD**  
**August 2017**

**1164**  
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**FIELD DESIGNATION**

1164 2004-06-01                      MILLARVILLE FIELD

**POOL DESIGNATION**

1164 244001 2008-11-01              BLAIRMORE A

**FIELD DESIGNATION**

0568 2001-02-01 MILLS FIELD

**POOL DESIGNATION**

0568 218001 2001-02-01 VIKING A

0568 262003 2001-02-01 GRAND RAPIDS C  
0568 262004 2001-02-01 GRAND RAPIDS D  
0568 262005 2010-04-01 GRAND RAPIDS E  
0568 262006 2001-02-01 GRAND RAPIDS F  
0568 262007 2001-02-01 GRAND RAPIDS G

**COMMINGLED PRODUCTION**

MU 6846 23 Apr 2008

**FIELD DESIGNATION**

0614 2014-05-01 MILO FIELD

**POOL DESIGNATION**

0614 118801 2010-12-01 LOWER EDMONTON A  
0614 118802 2010-11-01 LOWER EDMONTON B

0614 134008 2008-10-01 BASAL BELLY RIVER H

0614 213001 2001-02-01 BOW ISLAND A

0614 300001 2003-09-01 GLAUCONITIC A  
0614 300002 2014-04-01 GLAUCONITIC B  
0614 300003 2012-05-01 GLAUCONITIC C  
0614 300004 2012-12-01 GLAUCONITIC D

0614 336001 2010-04-01 ELLERSLIE A  
0614 336003 2001-02-01 ELLERSLIE C  
0614 336004 2001-02-01 ELLERSLIE D  
0614 336005 2001-02-01 ELLERSLIE E  
0614 336006 2001-02-01 ELLERSLIE F  
0614 336007 2001-02-01 ELLERSLIE G  
0614 336008 2007-08-01 ELLERSLIE H  
0614 336010 2007-03-01 ELLERSLIE J  
0614 336013 2013-10-01 ELLERSLIE M  
0614 336014 2009-11-01 ELLERSLIE N  
0614 336016 2009-05-01 ELLERSLIE P  
0614 336018 2009-12-01 ELLERSLIE R  
0614 336020 2011-01-01 ELLERSLIE T  
0614 336021 2011-04-01 ELLERSLIE U  
0614 336024 2012-02-01 ELLERSLIE X  
0614 336025 2011-11-01 ELLERSLIE Y  
0614 336026 2011-11-01 ELLERSLIE Z  
0614 336027 2011-12-01 ELLERSLIE AA  
0614 336028 2012-10-01 ELLERSLIE BB  
0614 336029 2013-04-01 ELLERSLIE CC

**POOL DESIGNATION (cont'd)**

|             |            |                       |
|-------------|------------|-----------------------|
| 0614 336030 | 2013-04-01 | ELLERSLIE DD          |
| 0614 336031 | 2013-06-01 | ELLERSLIE EE          |
| 0614 336032 | 2014-04-01 | ELLERSLIE FF          |
| 0614 336033 | 2015-07-01 | ELLERSLIE GG          |
| 0614 642001 | 2011-12-01 | PEKISKO A             |
| 0614 642002 | 2011-12-01 | PEKISKO B             |
| 0614 850600 | 2014-05-01 | MFP8506 BELLY RIVER   |
| 0614 854300 | 2011-04-01 | MFP8543 BSL BELLY RIV |

**SPACING PATTERN**

|          |             |
|----------|-------------|
| SU 4240  | 2 Dec 2004  |
| SU 4240A | 10 Aug 2005 |
| SU 4240B | 31 Oct 2005 |
| SU 4240C | 13 Dec 2005 |
| SU 4240D | 7 Sep 2007  |

**COMMINGLED PRODUCTION**

|         |            |
|---------|------------|
| MU 7909 | 7 Jun 2011 |
|---------|------------|

**COMPULSORY POOLING**

|                               |             |
|-------------------------------|-------------|
| P 270                         | 30 Mar 2005 |
| P 270A                        | 3 May 2011  |
| Gas                           |             |
| 27-018-24W4M                  |             |
| Compton Petroleum Corporation |             |

**FIELD DESIGNATION**

0646 2017-08-01 MINEHEAD FIELD

**POOL DESIGNATION**

0646 126001 2010-04-01 BELLY RIVER A  
0646 126002 2005-12-01 BELLY RIVER B

0646 134001 2005-12-01 BASAL BELLY RIVER A

0646 176001 2001-02-01 CARDIUM A  
0646 176022 2012-08-01 CARDIUM V  
0646 176028 2006-06-01 CARDIUM BB  
0646 176033 2009-02-01 CARDIUM GG  
0646 176035 2012-06-01 CARDIUM II  
0646 176036 2013-08-01 CARDIUM JJ  
0646 176037 2013-09-01 CARDIUM KK  
0646 176038 2016-05-01 CARDIUM LL

0646 186001 2016-01-01 SECOND WHITE SPECKS A

0646 192001 2013-09-01 DUNVEGAN A

0646 218001 2012-03-01 VIKING A  
0646 218002 2005-02-01 VIKING B  
0646 218003 2007-04-01 VIKING C  
0646 218004 2009-03-01 VIKING D  
0646 218005 2011-08-01 VIKING E

0646 250001 2016-04-01 UPPER MANNVILLE A  
0646 250002 2006-06-01 UPPER MANNVILLE B  
0646 250003 2013-02-01 UPPER MANNVILLE C  
0646 250004 2006-07-01 UPPER MANNVILLE D  
0646 250006 2010-04-01 UPPER MANNVILLE F  
0646 250007 2010-04-01 UPPER MANNVILLE G  
0646 250008 2012-06-01 UPPER MANNVILLE H  
0646 250009 2012-07-01 UPPER MANNVILLE I

**POOL DESIGNATION (cont'd)**

|                        |                   |
|------------------------|-------------------|
| 0646 250010 2013-04-01 | UPPER MANNVILLE J |
| 0646 250012 2016-03-01 | UPPER MANNVILLE L |
| 0646 250014 2013-09-01 | UPPER MANNVILLE N |
| 0646 250015 2016-01-01 | UPPER MANNVILLE O |
| 0646 250017 2014-12-01 | UPPER MANNVILLE Q |
| 0646 250018 2014-06-01 | UPPER MANNVILLE R |
| 0646 250019 2016-01-01 | UPPER MANNVILLE S |
| 0646 250020 2016-01-01 | UPPER MANNVILLE T |
| 0646 250021 2016-01-01 | UPPER MANNVILLE U |
| 0646 250022 2016-01-01 | UPPER MANNVILLE V |
| 0646 250023 2016-01-01 | UPPER MANNVILLE W |
| 0646 250024 2016-12-01 | UPPER MANNVILLE X |
| 0646 304001 2007-01-01 | BLUESKY A         |
| 0646 304002 2012-05-01 | BLUESKY B         |
| 0646 316002 2008-09-01 | OSTRACOD B        |
| 0646 326001 2013-04-01 | GETHING A         |
| 0646 326002 2006-06-01 | GETHING B         |
| 0646 326003 2007-01-01 | GETHING C         |
| 0646 326004 2013-11-01 | GETHING D         |
| 0646 326005 2007-04-01 | GETHING E         |
| 0646 326006 2013-09-01 | GETHING F         |
| 0646 348001 2006-05-01 | CADOMIN A         |
| 0646 348002 2012-12-01 | CADOMIN B         |
| 0646 348015 2012-06-01 | CADOMIN O         |
| 0646 348016 2013-08-01 | CADOMIN P         |
| 0646 348017 2013-09-01 | CADOMIN Q         |
| 0646 630001 2012-02-01 | TURNER VALLEY A   |
| 0646 744001 2010-04-01 | BEAVERHILL LAKE A |
| 0646 860200 2017-08-01 | MFP8602 CARDIUM   |

**SPACING PATTERN**

SU 4121      13 Nov 2003  
SU 4121A     6 Aug 2004  
SU 4121B     17 Sep 2004  
SU 4121C     29 Aug 2005  
SU 4121D     9 Jan 2006  
SU 4121E     10 Feb 2006  
SU 4121F     13 Jul 2006  
SU 4121G     9 Nov 2006

**COMMINGLED PRODUCTION**

MU 8661      11 Jul 2014

**SUBSURFACE DISPOSAL SCHEMES**

App 9602B    13 Nov 2013  
Class Ib  
Direct Energy Marketing Limited

**INDEX OF AER ORDERS AND APPROVALS**

**MIN**

**MINNOW FIELD**

**0567**

**August 2017**

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**FIELD DESIGNATION**

0567 2001-02-01                      MINNOW FIELD

**POOL DESIGNATION**

0567 348001 2007-07-01            CADOMIN A

**SPACING PATTERN**

SU 4296            19 Aug 2005



**FIELD DESIGNATION**

0629 2015-07-01                      MIRAGE FIELD

**POOL DESIGNATION**

0629 190001 2001-02-01            DOE CREEK A  
0629 190003 2007-06-01            DOE CREEK C  
0629 190005 2013-09-01            DOE CREEK E

0629 192001 2010-04-01            DUNVEGAN A  
0629 192002 2003-12-01            DUNVEGAN B  
0629 192003 2007-02-01            DUNVEGAN C  
0629 192004 2013-09-01            DUNVEGAN D  
0629 192005 2004-11-01            DUNVEGAN E  
0629 192006 2005-04-01            DUNVEGAN F  
0629 192007 2007-10-01            DUNVEGAN G  
0629 192008 2005-03-01            DUNVEGAN H  
0629 192009 2005-05-01            DUNVEGAN I  
0629 192010 2005-05-01            DUNVEGAN J  
0629 192011 2005-05-01            DUNVEGAN K  
0629 192012 2005-09-01            DUNVEGAN L  
0629 192013 2007-08-01            DUNVEGAN M  
0629 192014 2005-09-01            DUNVEGAN N  
0629 192015 2005-09-01            DUNVEGAN O  
0629 192016 2007-08-01            DUNVEGAN P  
0629 192017 2008-03-01            DUNVEGAN Q  
0629 192018 2010-04-01            DUNVEGAN R  
0629 192019 2009-01-01            DUNVEGAN S  
0629 192020 2011-06-01            DUNVEGAN T  
0629 192021 2013-12-01            DUNVEGAN U  
0629 192022 2013-12-01            DUNVEGAN V  
0629 192023 2013-12-01            DUNVEGAN W  
0629 192024 2013-12-01            DUNVEGAN X  
0629 192025 2013-12-01            DUNVEGAN Y  
0629 192026 2013-12-01            DUNVEGAN Z

0629 230001 2010-04-01            PADDY A

**POOL DESIGNATION (cont'd)**

|                        |                |
|------------------------|----------------|
| 0629 230002 2002-12-01 | PADDY B        |
| 0629 230003 2013-12-01 | PADDY C        |
| 0629 264001 2005-12-01 | SPIRIT RIVER A |
| 0629 264002 2007-09-01 | SPIRIT RIVER B |
| 0629 264003 2008-06-01 | SPIRIT RIVER C |
| 0629 264004 2010-01-01 | SPIRIT RIVER D |
| 0629 326001 2001-02-01 | GETHING A      |
| 0629 326002 2004-10-01 | GETHING B      |
| 0629 326003 2005-05-01 | GETHING C      |
| 0629 326004 2007-09-01 | GETHING D      |
| 0629 326005 2009-01-01 | GETHING E      |
| 0629 326006 2013-12-01 | GETHING F      |
| 0629 348002 2001-02-01 | CADOMIN B      |
| 0629 348003 2003-08-01 | CADOMIN C      |
| 0629 348004 2004-12-01 | CADOMIN D      |
| 0629 348005 2013-12-01 | CADOMIN E      |
| 0629 508001 2001-02-01 | CHARLIE LAKE A |
| 0629 508002 2002-02-01 | CHARLIE LAKE B |
| 0629 508003 2002-02-01 | CHARLIE LAKE C |
| 0629 508004 2002-12-01 | CHARLIE LAKE D |
| 0629 508005 2007-08-01 | CHARLIE LAKE E |
| 0629 508006 2013-12-01 | CHARLIE LAKE F |
| 0629 508007 2016-01-01 | CHARLIE LAKE G |
| 0629 508008 2016-09-01 | CHARLIE LAKE H |
| 0629 516002 2010-04-01 | HALFWAY B      |
| 0629 516004 2010-04-01 | HALFWAY D      |
| 0629 516005 2005-03-01 | HALFWAY E      |
| 0629 516006 2001-02-01 | HALFWAY F      |
| 0629 516007 2005-05-01 | HALFWAY G      |
| 0629 516008 2005-05-01 | HALFWAY H      |
| 0629 516009 2005-05-01 | HALFWAY I      |
| 0629 516010 2007-06-01 | HALFWAY J      |

**POOL DESIGNATION (cont'd)**

0629 612001 2013-12-01 DEBOLT A  
0629 612002 2013-12-01 DEBOLT B

**SPACING PATTERN**

SU 2194 11 May 1995  
SU 2194A 10 Mar 1998

**COMMINGLED PRODUCTION**

MU 8573 2 Jan 2014

**ENHANCED RECOVERY SCHEMES**

App 7712B 24 Aug 2015  
Waterflood  
Halfway B  
Paramount Resources Ltd.

**SUBSURFACE DISPOSAL SCHEMES**

App 12438A 2 Mar 2016  
Class II  
Paramount Resources Ltd.

**FIELD DESIGNATION**

0623 2010-02-01                      MISTAHAE FIELD

**POOL DESIGNATION**

0623 306003 2010-04-01      WABISKAW C

**SUBSURFACE DISPOSAL SCHEMES**

App 8944A    11 Dec 2012  
Class II  
Canadian Natural Resources Limited

App 10951A    15 Sep 2010  
Class II  
Husky Oil Operations Limited

**FIELD DESIGNATION**

0615 2012-03-01                    MITSUE FIELD

**POOL DESIGNATION**

0615 186001 2002-02-01        SECOND WHITE SPECKS A  
0615 186002 2009-02-01        SECOND WHITE SPECKS B  
0615 186003 2005-06-01        SECOND WHITE SPECKS C

0615 218001 2001-02-01        VIKING A  
0615 218002 2001-02-01        VIKING B  
0615 218003 2001-02-01        VIKING C  
0615 218004 2002-10-01        VIKING D  
0615 218005 2004-11-01        VIKING E

0615 250001 2001-02-01        UPPER MANNVILLE A  
0615 250002 2004-02-01        UPPER MANNVILLE B  
0615 250004 2001-02-01        UPPER MANNVILLE D  
0615 250005 2010-04-01        UPPER MANNVILLE E  
0615 250006 2001-02-01        UPPER MANNVILLE F  
0615 250007 2001-02-01        UPPER MANNVILLE G  
0615 250008 2001-02-01        UPPER MANNVILLE H  
0615 250009 2001-02-01        UPPER MANNVILLE I  
0615 250010 2009-08-01        UPPER MANNVILLE J  
0615 250011 2010-04-01        UPPER MANNVILLE K  
0615 250012 2001-02-01        UPPER MANNVILLE L  
0615 250013 2001-02-01        UPPER MANNVILLE M  
0615 250014 2001-02-01        UPPER MANNVILLE N  
0615 250015 2001-02-01        UPPER MANNVILLE O  
0615 250016 2001-10-01        UPPER MANNVILLE P  
0615 250017 2001-02-01        UPPER MANNVILLE Q  
0615 250018 2003-09-01        UPPER MANNVILLE R  
0615 250020 2001-02-01        UPPER MANNVILLE T  
0615 250021 2001-02-01        UPPER MANNVILLE U  
0615 250022 2010-04-01        UPPER MANNVILLE V  
0615 250023 2001-02-01        UPPER MANNVILLE W  
0615 250024 2001-02-01        UPPER MANNVILLE X

**POOL DESIGNATION (cont'd)**

|                        |                     |
|------------------------|---------------------|
| 0615 250025 2001-02-01 | UPPER MANNVILLE Y   |
| 0615 250026 2001-02-01 | UPPER MANNVILLE Z   |
| 0615 250027 2002-12-01 | UPPER MANNVILLE AA  |
| 0615 250029 2001-02-01 | UPPER MANNVILLE CC  |
| 0615 250030 2001-02-01 | UPPER MANNVILLE DD  |
| 0615 250031 2010-04-01 | UPPER MANNVILLE EE  |
| 0615 250032 2010-04-01 | UPPER MANNVILLE FF  |
| 0615 250033 2001-02-01 | UPPER MANNVILLE GG  |
| 0615 250034 2012-01-01 | UPPER MANNVILLE HH  |
| 0615 250035 2001-02-01 | UPPER MANNVILLE II  |
| 0615 250036 2001-02-01 | UPPER MANNVILLE JJ  |
| 0615 250037 2001-02-01 | UPPER MANNVILLE KK  |
| 0615 250038 2001-02-01 | UPPER MANNVILLE LL  |
| 0615 250039 2001-02-01 | UPPER MANNVILLE MM  |
| 0615 250040 2010-04-01 | UPPER MANNVILLE NN  |
| 0615 250041 2001-02-01 | UPPER MANNVILLE OO  |
| 0615 250042 2001-02-01 | UPPER MANNVILLE PP  |
| 0615 250043 2004-01-01 | UPPER MANNVILLE QQ  |
| 0615 250044 2001-02-01 | UPPER MANNVILLE RR  |
| 0615 250045 2008-04-01 | UPPER MANNVILLE SS  |
| 0615 250046 2001-02-01 | UPPER MANNVILLE TT  |
| 0615 250047 2010-04-01 | UPPER MANNVILLE UU  |
| 0615 250048 2006-02-01 | UPPER MANNVILLE VV  |
| 0615 250049 2001-03-01 | UPPER MANNVILLE WW  |
| 0615 250050 2008-11-01 | UPPER MANNVILLE XX  |
| 0615 250051 2001-03-01 | UPPER MANNVILLE YY  |
| 0615 250052 2005-08-01 | UPPER MANNVILLE ZZ  |
| 0615 250701 2001-06-01 | UPPER MANNVILLE AAA |
| 0615 250702 2002-02-01 | UPPER MANNVILLE BBB |
| 0615 250703 2002-01-01 | UPPER MANNVILLE CCC |
| 0615 250704 2002-05-01 | UPPER MANNVILLE DDD |
| 0615 250705 2002-06-01 | UPPER MANNVILLE EEE |
| 0615 250706 2006-09-01 | UPPER MANNVILLE FFF |
| 0615 250707 2002-07-01 | UPPER MANNVILLE GGG |
| 0615 250708 2002-07-01 | UPPER MANNVILLE HHH |
| 0615 250709 2003-07-01 | UPPER MANNVILLE III |
| 0615 250710 2002-11-01 | UPPER MANNVILLE JJJ |
| 0615 250711 2007-06-01 | UPPER MANNVILLE KKK |

**POOL DESIGNATION (cont'd)**

|                        |                     |
|------------------------|---------------------|
| 0615 250712 2003-01-01 | UPPER MANNVILLE LLL |
| 0615 250713 2003-08-01 | UPPER MANNVILLE MMM |
| 0615 250714 2003-08-01 | UPPER MANNVILLE NNN |
| 0615 250715 2004-05-01 | UPPER MANNVILLE OOO |
| 0615 250716 2004-05-01 | UPPER MANNVILLE PPP |
| 0615 250717 2004-07-01 | UPPER MANNVILLE QQQ |
| 0615 250718 2004-11-01 | UPPER MANNVILLE RRR |
| 0615 250719 2005-02-01 | UPPER MANNVILLE SSS |
| 0615 250720 2010-04-01 | UPPER MANNVILLE TTT |
| 0615 250721 2010-04-01 | UPPER MANNVILLE UUU |
| 0615 250722 2005-06-01 | UPPER MANNVILLE VVV |
| 0615 250723 2005-07-01 | UPPER MANNVILLE WWW |
| 0615 250724 2006-02-01 | UPPER MANNVILLE XXX |
| 0615 250725 2006-02-01 | UPPER MANNVILLE YYY |
| 0615 250726 2007-01-01 | UPPER MANNVILLE ZZZ |
| 0615 250727 2007-01-01 | UPPER MANNVILLE A2A |
| 0615 250728 2007-06-01 | UPPER MANNVILLE B2B |
| 0615 250729 2008-11-01 | UPPER MANNVILLE C2C |
| 0615 250730 2008-09-01 | UPPER MANNVILLE D2D |
| 0615 250731 2008-10-01 | UPPER MANNVILLE E2E |
| 0615 250732 2009-09-01 | UPPER MANNVILLE F2F |
| 0615 250733 2015-02-01 | UPPER MANNVILLE G2G |
| 0615 250734 2009-09-01 | UPPER MANNVILLE H2H |
| 0615 250735 2009-10-01 | UPPER MANNVILLE I2I |
| 0615 250736 2010-04-01 | UPPER MANNVILLE J2J |
| 0615 250737 2010-05-01 | UPPER MANNVILLE K2K |
| <br>                   |                     |
| 0615 304002 2002-07-01 | BLUESKY B           |
| <br>                   |                     |
| 0615 306004 2002-12-01 | WABISKAW D          |
| 0615 306005 2001-02-01 | WABISKAW E          |
| 0615 306006 2010-04-01 | WABISKAW F          |
| 0615 306007 2001-02-01 | WABISKAW G          |
| 0615 306008 2001-02-01 | WABISKAW H          |
| 0615 306009 2001-02-01 | WABISKAW I          |
| 0615 306011 2001-02-01 | WABISKAW K          |
| 0615 306013 2001-02-01 | WABISKAW M          |
| 0615 306014 2001-08-01 | WABISKAW N          |

**POOL DESIGNATION (cont'd)**

|                        |                   |
|------------------------|-------------------|
| 0615 306015 2001-05-01 | WABISKAW O        |
| 0615 306016 2002-04-01 | WABISKAW P        |
| 0615 306017 2010-04-01 | WABISKAW Q        |
| 0615 306018 2002-07-01 | WABISKAW R        |
| 0615 306019 2002-08-01 | WABISKAW S        |
| 0615 306020 2003-04-01 | WABISKAW T        |
| 0615 306021 2003-07-01 | WABISKAW U        |
| 0615 306022 2004-05-01 | WABISKAW V        |
| 0615 306023 2006-03-01 | WABISKAW W        |
| 0615 306024 2009-08-01 | WABISKAW X        |
| 0615 306025 2010-06-01 | WABISKAW Y        |
|                        |                   |
| 0615 310003 2010-04-01 | LOWER MANNVILLE C |
| 0615 310004 2005-12-01 | LOWER MANNVILLE D |
| 0615 310005 2007-05-01 | LOWER MANNVILLE E |
| 0615 310006 2009-09-01 | LOWER MANNVILLE F |
|                        |                   |
| 0615 316001 2007-11-01 | OSTRACOD A        |
| 0615 316002 2009-01-01 | OSTRACOD B        |
|                        |                   |
| 0615 326001 2001-03-01 | GETHING A         |
|                        |                   |
| 0615 336001 2001-02-01 | ELLERSLIE A       |
| 0615 336002 2001-02-01 | ELLERSLIE B       |
| 0615 336003 2001-02-01 | ELLERSLIE C       |
| 0615 336004 2006-04-01 | ELLERSLIE D       |
| 0615 336005 2001-02-01 | ELLERSLIE E       |
| 0615 336006 2001-02-01 | ELLERSLIE F       |
| 0615 336007 2001-02-01 | ELLERSLIE G       |
| 0615 336008 2001-02-01 | ELLERSLIE H       |
| 0615 336009 2001-02-01 | ELLERSLIE I       |
| 0615 336010 2001-03-01 | ELLERSLIE J       |
| 0615 336011 2001-03-01 | ELLERSLIE K       |
| 0615 336012 2006-10-01 | ELLERSLIE L       |
| 0615 336013 2004-05-01 | ELLERSLIE M       |
| 0615 336014 2004-11-01 | ELLERSLIE N       |
| 0615 336015 2004-11-01 | ELLERSLIE O       |
| 0615 336016 2004-11-01 | ELLERSLIE P       |



**POOL DESIGNATION (cont'd)**

|             |            |             |
|-------------|------------|-------------|
| 0615 336017 | 2005-01-01 | ELLERSLIE Q |
| 0615 336018 | 2005-02-01 | ELLERSLIE R |
| 0615 336019 | 2005-02-01 | ELLERSLIE S |
| 0615 336020 | 2010-09-01 | ELLERSLIE T |
| 0615 336021 | 2005-06-01 | ELLERSLIE U |
| 0615 336022 | 2005-11-01 | ELLERSLIE V |
| 0615 336023 | 2006-02-01 | ELLERSLIE W |
| 0615 336024 | 2010-04-01 | ELLERSLIE X |
| 0615 336025 | 2006-12-01 | ELLERSLIE Y |
| 0615 336026 | 2007-01-01 | ELLERSLIE Z |
|             |            |             |
| 0615 658001 | 2011-11-01 | WABAMUN A   |
|             |            |             |
| 0615 765501 | 2014-11-01 | GILWOOD A   |
| 0615 765502 | 2008-06-01 | GILWOOD B   |
| 0615 765506 | 2008-06-01 | GILWOOD F   |
| 0615 765507 | 2008-06-01 | GILWOOD G   |

**SPACING PATTERN**

SU 4005      17 May 2002  
 SU 4005A    24 Aug 2005

**COMMINGLED PRODUCTION**

MU 7864      18 May 2011

**ENHANCED RECOVERY SCHEMES**

App 8007F    15 Jan 2013  
 Waterflood  
 Gilwood A  
 Penn West Petroleum Ltd.

App 8015H    27 May 2016  
 Waterflood  
 Gilwood A  
 Aeneid Exporation Inc.

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

App 8020G    3 Oct 2013  
 Waterflood  
 Gilwood A  
 Chinook Energy Inc.

App 8022E    17 Oct 2016  
 Waterflood  
 Gilwood A  
 Canadian Natural Resources Limited

App 8028B    12 Dec 2013  
 Waterflood  
 Gilwood A  
 Penn West Petroleum Ltd.

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

App 10007N 17 Mar 2017  
Waterflood  
Gilwood A  
Cardinal Energy Ltd.

App 11333G 13 Mar 2014  
Waterflood  
Gilwood A  
Exall Energy Corporation

App 11664F 20 Nov 2015  
Waterflood  
Gilwood A  
Exall Energy Corporation

App 11830G 27 May 2016  
Waterflood  
Gilwood A  
Aeneid Exporation Inc.

**SUBSURFACE DISPOSAL SCHEMES**

App 7290D 17 Nov 2015  
Class Ia  
Cardinal Energy Ltd.

App 7854D 17 Nov 2015  
Class Ib  
Cardinal Energy Ltd.

App 7938J 27 Feb 2017  
Class III Acid Gas  
Cardinal Energy Ltd.

App 9701A 13 Apr 2012  
Class Ib  
Tervita Corporation

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

App 11126E 17 Nov 2015  
Class II  
Cardinal Energy Ltd.

App 11821A 27 May 2016  
Class II  
Aeneid Exporation Inc.

**FIELD DESIGNATION**

1167 2009-07-01                      MOBERLY FIELD

**POOL DESIGNATION**

1167 176001 2012-03-01              CARDIUM A

1167 192001 2010-04-01              DUNVEGAN A

1167 192002 2009-09-01              DUNVEGAN B

1167 192004 2010-04-01              DUNVEGAN D

1167 192005 2010-03-01              DUNVEGAN E

1167 228001 2010-03-01              PEACE RIVER A

1167 264001 2010-03-01              SPIRIT RIVER A

**SPACING PATTERN**

SU 2449              20 Dec 1995

**FIELD DESIGNATION**

1169 2002-02-01 MONTAG FIELD

**POOL DESIGNATION**

1169 264001 2003-07-01 SPIRIT RIVER A

1169 264002 2001-02-01 SPIRIT RIVER B

1169 304001 2001-02-01 BLUESKY A

1169 326001 2012-04-01 GETHING A

1169 508001 2010-04-01 CHARLIE LAKE A

1169 508002 2002-04-01 CHARLIE LAKE B

1169 508003 2015-02-01 CHARLIE LAKE C

1169 508004 2009-07-01 CHARLIE LAKE D

1169 508005 2012-12-01 CHARLIE LAKE E

1169 508006 2013-04-01 CHARLIE LAKE F

1169 524001 2001-02-01 MONTNEY A

1169 524002 2003-07-01 MONTNEY B

1169 524003 2004-10-01 MONTNEY C

1169 524004 2010-04-01 MONTNEY D

1169 612001 2002-02-01 DEBOLT A

**SUBSURFACE DISPOSAL SCHEMES**

App 9187C 19 Mar 2013

Class II

Four Winds Energy Services Ltd.

**FIELD DESIGNATION**

1170 2007-04-01 MONTGOMERY FIELD

**POOL DESIGNATION**

1170 176001 2005-09-01 CARDIUM A  
1170 176002 2017-07-01 CARDIUM B  
1170 176003 2010-04-01 CARDIUM C

1170 186001 2001-02-01 SECOND WHITE SPECKS A  
1170 186002 2012-02-01 SECOND WHITE SPECKS B

1170 300001 2006-01-01 GLAUCONITIC A  
1170 300002 2008-03-01 GLAUCONITIC B

1170 344001 2008-03-01 CUTBANK A  
1170 344002 2014-01-01 CUTBANK B

**FIELD DESIGNATION**

0902 2014-11-01 MOONEY FIELD

**POOL DESIGNATION**

0902 218001 2006-02-01 VIKING A

0902 304001 2014-11-01 BLUESKY A

0902 765501 2008-06-01 GILWOOD A

0902 773501 2008-05-01 KEG RIVER SAND A

**SPACING PATTERN**

SU 4258 11 Jan 2005

SU 4258A 27 Jun 2005

SU 4258B 25 Jan 2007

**ENHANCED RECOVERY SCHEMES**

App 11488H 24 Apr 2017

Chemical

Bluesky A

Blackpearl Resources Inc.

**SUBSURFACE DISPOSAL SCHEMES**

App 10493A 25 Oct 2011

Class II

Blackpearl Resources Inc.

App 11564A 1 Mar 2011

Class Ib

Blackpearl Resources Inc.

**FIELD DESIGNATION**

0635 2006-04-01 MOONSHINE FIELD

**POOL DESIGNATION**

0635 256001 2010-04-01 COLONY A  
0635 256002 2001-02-01 COLONY B  
0635 256003 2001-02-01 COLONY C  
0635 256004 2001-03-01 COLONY D  
0635 256005 2010-04-01 COLONY E

0635 262001 2010-04-01 GRAND RAPIDS A  
0635 262003 2001-02-01 GRAND RAPIDS C  
0635 262004 2010-04-01 GRAND RAPIDS D  
0635 262005 2001-02-01 GRAND RAPIDS E  
0635 262006 2005-03-01 GRAND RAPIDS F  
0635 262007 2004-08-01 GRAND RAPIDS G  
0635 262008 2010-04-01 GRAND RAPIDS H  
0635 262009 2010-04-01 GRAND RAPIDS I  
0635 262010 2001-02-01 GRAND RAPIDS J  
0635 262011 2010-04-01 GRAND RAPIDS K  
0635 262014 2001-02-01 GRAND RAPIDS N  
0635 262015 2001-02-01 GRAND RAPIDS O  
0635 262018 2001-02-01 GRAND RAPIDS R  
0635 262019 2001-02-01 GRAND RAPIDS S  
0635 262020 2001-03-01 GRAND RAPIDS T  
0635 262021 2001-02-01 GRAND RAPIDS U  
0635 262022 2001-02-01 GRAND RAPIDS V  
0635 262023 2001-02-01 GRAND RAPIDS W  
0635 262024 2001-02-01 GRAND RAPIDS X  
0635 262025 2001-03-01 GRAND RAPIDS Y  
0635 262026 2001-03-01 GRAND RAPIDS Z  
0635 262027 2001-03-01 GRAND RAPIDS AA  
0635 262028 2001-12-01 GRAND RAPIDS BB  
0635 262029 2004-08-01 GRAND RAPIDS CC  
0635 262030 2004-08-01 GRAND RAPIDS DD  
0635 262031 2005-06-01 GRAND RAPIDS EE

**POOL DESIGNATION (cont'd)**

|             |            |                 |
|-------------|------------|-----------------|
| 0635 262032 | 2004-12-01 | GRAND RAPIDS FF |
| 0635 262033 | 2007-08-01 | GRAND RAPIDS GG |
| 0635 262034 | 2008-04-01 | GRAND RAPIDS HH |
|             |            |                 |
| 0635 268001 | 2010-04-01 | MCLAREN A       |
|             |            |                 |
| 0635 270002 | 2001-03-01 | WASECA B        |
| 0635 270003 | 2005-12-01 | WASECA C        |
| 0635 270004 | 2010-04-01 | WASECA D        |
|             |            |                 |
| 0635 276001 | 2001-11-01 | SPARKY A        |
| 0635 276002 | 2004-06-01 | SPARKY B        |
| 0635 276003 | 2005-04-01 | SPARKY C        |
|             |            |                 |
| 0635 280001 | 2010-04-01 | CLEARWATER A    |
|             |            |                 |
| 0635 302001 | 2001-12-01 | CUMMINGS A      |
| 0635 302002 | 2001-02-01 | CUMMINGS B      |
| 0635 302003 | 2010-04-01 | CUMMINGS C      |
| 0635 302004 | 2001-02-01 | CUMMINGS D      |

**SPACING PATTERN**

SU 2448      12 Dec 1995

**COMMINGLED PRODUCTION**

MU 1533      3 Oct 1997

**COMMON  
CARRIER/PURCHASER/PROCESSOR**

MISC 93149   27 May 1993  
Colony A

**GAS ALLOWABLE**

GA 331      27 Apr 1993



**FIELD DESIGNATION**

0731 2010-02-01 MOORE FIELD

**POOL DESIGNATION**

0731 262001 2007-07-01 GRAND RAPIDS A  
0731 262002 2001-02-01 GRAND RAPIDS B  
0731 262003 2006-06-01 GRAND RAPIDS C  
0731 262004 2010-04-01 GRAND RAPIDS D  
0731 262005 2010-04-01 GRAND RAPIDS E  
0731 262007 2001-02-01 GRAND RAPIDS G  
0731 262008 2006-01-01 GRAND RAPIDS H  
0731 262009 2007-03-01 GRAND RAPIDS I  
0731 262010 2001-08-01 GRAND RAPIDS J  
0731 262011 2002-08-01 GRAND RAPIDS K  
0731 262012 2002-08-01 GRAND RAPIDS L  
0731 262013 2002-08-01 GRAND RAPIDS M  
0731 262014 2002-08-01 GRAND RAPIDS N  
0731 262015 2004-07-01 GRAND RAPIDS O  
0731 262016 2007-08-01 GRAND RAPIDS P  
0731 262017 2008-06-01 GRAND RAPIDS Q

0731 268001 2002-10-01 MCLAREN A  
0731 268002 2006-04-01 MCLAREN B

0731 280002 2010-04-01 CLEARWATER B

0731 306001 2001-02-01 WABISKAW A

**SPACING PATTERN**

SU 4297 24 Aug 2005  
SU 4297A 23 Feb 2007

**SUBSURFACE DISPOSAL SCHEMES**

App 4776B 8 Jan 2013  
Class II  
Canadian Natural Resources Limited

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

App 4786B 10 Dec 2012  
Class II  
Canadian Natural Resources Limited

App 10453B 15 Jan 2013  
Class II  
Canadian Natural Resources Limited

**FIELD DESIGNATION**

0618 2010-02-01                      MOOSE FIELD

**POOL DESIGNATION**

0618 610001 2015-12-01              RUNDLE A  
0618 610002 2001-02-01              RUNDLE B  
0618 610003 2015-09-01              RUNDLE C  
0618 610004 2006-01-01              RUNDLE D  
0618 610005 2010-04-01              RUNDLE E  
0618 610006 2004-02-01              RUNDLE F  
0618 610007 2005-07-01              RUNDLE G  
0618 610008 2006-12-01              RUNDLE H

0618 658001 2010-04-01              WABAMUN A  
0618 658002 2004-11-01              WABAMUN B

**SPACING PATTERN**

SU 2704              15 Mar 1996  
SU 2704A             4 Apr 2007

**COMMINGLED PRODUCTION**

MU 1565              6 Jan 1998

**FIELD DESIGNATION**

0619 2002-02-01                      MORGAN FIELD

**POOL DESIGNATION**

0619 256002 2001-02-01            COLONY B  
0619 256003 2001-02-01            COLONY C  
0619 256004 2001-02-01            COLONY D  
0619 256005 2010-04-01            COLONY E  
0619 256006 2001-10-01            COLONY F  
0619 256007 2007-06-01            COLONY G  
0619 256008 2010-04-01            COLONY H  
0619 256009 2007-07-01            COLONY I  
0619 256010 2009-03-01            COLONY J  
0619 256011 2009-05-01            COLONY K  
0619 256012 2013-04-01            COLONY L

0619 268001 2007-06-01            MCLAREN A  
0619 268002 2005-05-01            MCLAREN B

0619 276001 2016-11-01            SPARKY A  
0619 276003 2001-02-01            SPARKY C  
0619 276004 2014-11-01            SPARKY D  
0619 276005 2002-12-01            SPARKY E  
0619 276006 2002-02-01            SPARKY F  
0619 276007 2014-08-01            SPARKY G  
0619 276008 2005-08-01            SPARKY H  
0619 276009 2017-05-01            SPARKY I  
0619 276010 2006-09-01            SPARKY J  
0619 276011 2007-05-01            SPARKY K  
0619 276012 2007-06-01            SPARKY L  
0619 276013 2007-06-01            SPARKY M  
0619 276015 2009-04-01            SPARKY O  
0619 276016 2009-04-01            SPARKY P  
0619 276017 2009-08-01            SPARKY Q  
0619 276018 2010-02-01            SPARKY R  
0619 276019 2013-07-01            SPARKY S

**POOL DESIGNATION (cont'd)**

|             |            |                     |
|-------------|------------|---------------------|
| 0619 276020 | 2013-07-01 | SPARKY T            |
| 0619 276021 | 2013-07-01 | SPARKY U            |
| 0619 276022 | 2016-03-01 | SPARKY V            |
| 0619 286001 | 2008-03-01 | GENERAL PETROLEUM A |
| 0619 288001 | 2010-04-01 | REX A               |
| 0619 294001 | 2013-11-01 | LLOYDMINSTER A      |
| 0619 294005 | 2002-12-01 | LLOYDMINSTER E      |
| 0619 294007 | 2010-06-01 | LLOYDMINSTER G      |
| 0619 302001 | 2004-05-01 | CUMMINGS A          |
| 0619 302002 | 2017-05-01 | CUMMINGS B          |
| 0619 302003 | 2013-11-01 | CUMMINGS C          |
| 0619 322001 | 2001-02-01 | DINA A              |
| 0619 322002 | 2001-02-01 | DINA B              |
| 0619 322003 | 2003-12-01 | DINA C              |
| 0619 322004 | 2005-07-01 | DINA D              |
| 0619 322005 | 2008-10-01 | DINA E              |
| 0619 322006 | 2008-10-01 | DINA F              |
| 0619 322007 | 2010-02-01 | DINA G              |
| 0619 322008 | 2011-09-01 | DINA H              |
| 0619 322009 | 2015-12-01 | DINA I              |

**SPACING PATTERN**

|          |             |
|----------|-------------|
| SU 2916  | 12 Jan 1999 |
| SU 2916A | 14 Sep 2000 |
| SU 2916B | 3 Jan 2001  |
| SU 2916C | 22 Dec 2003 |
| SU 2916D | 10 Jun 2004 |
| SU 2916E | 17 Jan 2005 |

**MISCELLANEOUS ORDERS**

|  |             |
|--|-------------|
| MISC 6505                              | 27 Aug 1965 |
| MISC 6505A                             | 23 Nov 1965 |
| Exempt-distance requirements heavy oil |             |

**COMMINGLED PRODUCTION**

|         |            |
|---------|------------|
| MU 2093 | 5 Oct 2000 |
|---------|------------|

**ENHANCED RECOVERY SCHEMES**

App 12621 24 May 2017  
Waterflood  
Lloydminster A  
Husky Oil Operations Limited

**SUBSURFACE DISPOSAL SCHEMES**

App 8086C 26 Apr 2013  
Class II  
Canadian Natural Resources Limited

App 9050B 29 Apr 2013  
Class II  
Husky Oil Operations Limited

App 10522B 12 Jun 2014  
Class II  
Gear Energy Ltd.

**FIELD DESIGNATION**

0620 2007-06-01 MORINVILLE FIELD

**POOL DESIGNATION**

0620 126001 2001-02-01 BELLY RIVER A  
0620 126002 2001-02-01 BELLY RIVER B  
0620 126003 2006-09-01 BELLY RIVER C

0620 134001 2011-07-01 BASAL BELLY RIVER A

0620 218001 2001-02-01 VIKING A  
0620 218002 2001-02-01 VIKING B  
0620 218003 2001-02-01 VIKING C  
0620 218004 2001-02-01 VIKING D  
0620 218005 2001-02-01 VIKING E  
0620 218006 2001-02-01 VIKING F

0620 250001 2001-02-01 UPPER MANNVILLE A  
0620 250002 2001-02-01 UPPER MANNVILLE B  
0620 250003 2001-02-01 UPPER MANNVILLE C  
0620 250004 2001-02-01 UPPER MANNVILLE D  
0620 250005 2001-02-01 UPPER MANNVILLE E  
0620 250006 2001-02-01 UPPER MANNVILLE F  
0620 250007 2001-02-01 UPPER MANNVILLE G  
0620 250008 2001-02-01 UPPER MANNVILLE H  
0620 250009 2001-02-01 UPPER MANNVILLE I  
0620 250010 2004-08-01 UPPER MANNVILLE J  
0620 250011 2001-02-01 UPPER MANNVILLE K  
0620 250012 2001-02-01 UPPER MANNVILLE L  
0620 250013 2001-02-01 UPPER MANNVILLE M  
0620 250014 2001-02-01 UPPER MANNVILLE N  
0620 250015 2001-08-01 UPPER MANNVILLE O  
0620 250016 2002-05-01 UPPER MANNVILLE P  
0620 250017 2002-08-01 UPPER MANNVILLE Q  
0620 250018 2004-11-01 UPPER MANNVILLE R  
0620 250019 2007-04-01 UPPER MANNVILLE S

**POOL DESIGNATION (cont'd)**

|                        |                    |
|------------------------|--------------------|
| 0620 250020 2010-04-01 | UPPER MANNVILLE T  |
| 0620 250021 2007-07-01 | UPPER MANNVILLE U  |
| 0620 250022 2008-05-01 | UPPER MANNVILLE V  |
| 0620 250023 2008-06-01 | UPPER MANNVILLE W  |
| 0620 250024 2013-08-01 | UPPER MANNVILLE X  |
| 0620 250025 2009-08-01 | UPPER MANNVILLE Y  |
| 0620 250026 2010-11-01 | UPPER MANNVILLE Z  |
| 0620 250027 2011-01-01 | UPPER MANNVILLE AA |
| 0620 250028 2013-07-01 | UPPER MANNVILLE BB |
| 0620 250029 2013-09-01 | UPPER MANNVILLE CC |
|                        |                    |
| 0620 310001 2010-04-01 | LOWER MANNVILLE A  |
| 0620 310002 2001-02-01 | LOWER MANNVILLE B  |
| 0620 310003 2001-02-01 | LOWER MANNVILLE C  |
| 0620 310004 2001-02-01 | LOWER MANNVILLE D  |
| 0620 310005 2010-04-01 | LOWER MANNVILLE E  |
| 0620 310006 2001-02-01 | LOWER MANNVILLE F  |
| 0620 310007 2001-02-01 | LOWER MANNVILLE G  |
| 0620 310008 2001-02-01 | LOWER MANNVILLE H  |
| 0620 310009 2001-02-01 | LOWER MANNVILLE I  |
| 0620 310010 2001-02-01 | LOWER MANNVILLE J  |
| 0620 310011 2001-02-01 | LOWER MANNVILLE K  |
| 0620 310012 2001-02-01 | LOWER MANNVILLE L  |
| 0620 310013 2001-02-01 | LOWER MANNVILLE M  |
| 0620 310014 2005-04-01 | LOWER MANNVILLE N  |
| 0620 310015 2001-02-01 | LOWER MANNVILLE O  |
| 0620 310016 2001-02-01 | LOWER MANNVILLE P  |
| 0620 310017 2001-02-01 | LOWER MANNVILLE Q  |
| 0620 310018 2001-02-01 | LOWER MANNVILLE R  |
| 0620 310019 2010-04-01 | LOWER MANNVILLE S  |
| 0620 310020 2001-02-01 | LOWER MANNVILLE T  |
| 0620 310021 2001-02-01 | LOWER MANNVILLE U  |
| 0620 310022 2001-02-01 | LOWER MANNVILLE V  |
| 0620 310023 2010-04-01 | LOWER MANNVILLE W  |
| 0620 310024 2001-02-01 | LOWER MANNVILLE X  |
| 0620 310025 2001-02-01 | LOWER MANNVILLE Y  |
| 0620 310026 2001-02-01 | LOWER MANNVILLE Z  |
| 0620 310027 2001-02-01 | LOWER MANNVILLE AA |

**POOL DESIGNATION (cont'd)**

|             |            |                     |
|-------------|------------|---------------------|
| 0620 310028 | 2001-02-01 | LOWER MANNVILLE BB  |
| 0620 310029 | 2001-02-01 | LOWER MANNVILLE CC  |
| 0620 310030 | 2001-02-01 | LOWER MANNVILLE DD  |
| 0620 310031 | 2001-02-01 | LOWER MANNVILLE EE  |
| 0620 310032 | 2001-02-01 | LOWER MANNVILLE FF  |
| 0620 310033 | 2004-01-01 | LOWER MANNVILLE GG  |
| 0620 310034 | 2010-04-01 | LOWER MANNVILLE HH  |
| 0620 310035 | 2001-02-01 | LOWER MANNVILLE II  |
| 0620 310036 | 2010-04-01 | LOWER MANNVILLE JJ  |
| 0620 310037 | 2001-02-01 | LOWER MANNVILLE KK  |
| 0620 310038 | 2001-02-01 | LOWER MANNVILLE LL  |
| 0620 310039 | 2001-03-01 | LOWER MANNVILLE MM  |
| 0620 310040 | 2001-03-01 | LOWER MANNVILLE NN  |
| 0620 310041 | 2001-11-01 | LOWER MANNVILLE OO  |
| 0620 310042 | 2001-07-01 | LOWER MANNVILLE PP  |
| 0620 310043 | 2001-10-01 | LOWER MANNVILLE QQ  |
| 0620 310044 | 2002-05-01 | LOWER MANNVILLE RR  |
| 0620 310045 | 2002-06-01 | LOWER MANNVILLE SS  |
| 0620 310046 | 2002-11-01 | LOWER MANNVILLE TT  |
| 0620 310047 | 2004-02-01 | LOWER MANNVILLE UU  |
| 0620 310048 | 2004-05-01 | LOWER MANNVILLE VV  |
| 0620 310049 | 2004-06-01 | LOWER MANNVILLE WW  |
| 0620 310050 | 2006-07-01 | LOWER MANNVILLE XX  |
| 0620 310051 | 2006-09-01 | LOWER MANNVILLE YY  |
| 0620 310052 | 2006-09-01 | LOWER MANNVILLE ZZ  |
| 0620 310101 | 2006-09-01 | LOWER MANNVILLE AAA |
| 0620 310102 | 2007-06-01 | LOWER MANNVILLE BBB |
| 0620 310103 | 2010-10-01 | LOWER MANNVILLE CCC |
| 0620 310104 | 2008-10-01 | LOWER MANNVILLE DDD |
| 0620 310105 | 2013-03-01 | LOWER MANNVILLE EEE |
| 0620 310106 | 2013-12-01 | LOWER MANNVILLE FFF |
| 0620 658001 | 2001-02-01 | D-1 A               |
| 0620 658002 | 2001-02-01 | D-1 B               |
| 0620 658003 | 2010-04-01 | D-1 C               |
| 0620 658004 | 2007-07-01 | D-1 D               |
| 0620 720001 | 2001-02-01 | D-3 A               |



**POOL DESIGNATION (cont'd)**

0620 720002 2010-04-01 D-3 B  
0620 720003 2001-10-01 D-3 C  
0620 720005 2001-02-01 D-3 E  
0620 720007 2001-02-01 D-3 G  
0620 720008 2001-02-01 D-3 H  
0620 720009 2010-04-01 D-3 I  
0620 720010 2001-02-01 D-3 J  
0620 720011 2001-02-01 D-3 K  
0620 720012 2001-02-01 D-3 L  
0620 720013 2001-02-01 D-3 M  
0620 720014 2001-02-01 D-3 N  
0620 720015 2001-02-01 D-3 O  
0620 720017 2002-03-01 D-3 Q  
0620 720018 2008-01-01 D-3 R  
0620 720019 2009-02-01 D-3 S

**SPACING PATTERN**

SU 2345 10 Oct 1995  
SU 2345A 5 Mar 1998  
SU 2345B 25 Aug 2000

**COMMINGLED PRODUCTION**

MU 5599 12 May 2006

**SUBSURFACE DISPOSAL SCHEMES**

App 6639F 16 Aug 2016  
Class Ia & Ib  
Cancen Oil Processors Inc.

App 7514B 25 Sep 2012  
Class II  
Zargon Oil & Gas Ltd.

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

App 8262A 11 Jul 2014  
Class II  
Provost Petroleums Ltd.

App 9976A 17 Jul 2014  
Class II  
Response Energy Corporation

App 10819C 27 Feb 2013  
Class II and III  
Penn West Petroleum Ltd.

**COMPULSORY POOLING**

P 92 17 Mar 1988  
P 92A 24 Jan 1997  
Gas  
25-055-25W4M  
Petro Reef Resources Ltd.

**COMPULSORY POOLING (cont'd)**

P 177            8 Apr 1999

Gas

30-054-25W4M

Tier One Energy Corp.

P 200            20 Nov 2000

P 200A          24 Feb 2009

Gas

21-055-25W4M

Penn West Petroleum Ltd.

P 228            26 Sep 2002

Gas

12-054-26W4M

Petrobank Energy and Resources Ltd.

**FIELD DESIGNATION**

0622 2002-02-01 MORLEY FIELD

**POOL DESIGNATION**

0622 610001 2010-04-01 RUNDLE A

0622 610002 2002-02-01 RUNDLE B

**FIELD DESIGNATION**

0725 2017-07-01 MORNINGSIDE FIELD

**POOL DESIGNATION**

0725 106002 2010-04-01 EDMONTON B

0725 118801 2010-04-01 LOWER EDMONTON A  
0725 118802 2010-05-01 LOWER EDMONTON B  
0725 118803 2009-03-01 LOWER EDMONTON C  
0725 118804 2011-05-01 LOWER EDMONTON D  
0725 118805 2013-04-01 LOWER EDMONTON E  
0725 118806 2013-04-01 LOWER EDMONTON F

0725 126003 2011-03-01 BELLY RIVER C  
0725 126007 2005-08-01 BELLY RIVER G  
0725 126008 2010-04-01 BELLY RIVER H  
0725 126010 2011-05-01 BELLY RIVER J  
0725 126011 2009-11-01 BELLY RIVER K  
0725 126012 2011-04-01 BELLY RIVER L  
0725 126013 2011-06-01 BELLY RIVER M

0725 134001 2005-07-01 BASAL BELLY RIVER A  
0725 134002 2009-06-01 BASAL BELLY RIVER B  
0725 134003 2005-07-01 BASAL BELLY RIVER C  
0725 134005 2010-04-01 BASAL BELLY RIVER E  
0725 134006 2015-02-01 BASAL BELLY RIVER F

0725 218001 2010-04-01 VIKING A

0725 250001 2016-03-01 UPPER MANNVILLE A  
0725 250002 2003-10-01 UPPER MANNVILLE B  
0725 250003 2003-10-01 UPPER MANNVILLE C  
0725 250004 2005-06-01 UPPER MANNVILLE D  
0725 250005 2010-04-01 UPPER MANNVILLE E  
0725 250006 2006-01-01 UPPER MANNVILLE F  
0725 250007 2006-02-01 UPPER MANNVILLE G

**POOL DESIGNATION (cont'd)**

|                        |                   |
|------------------------|-------------------|
| 0725 250008 2007-02-01 | UPPER MANNVILLE H |
| 0725 250009 2016-11-01 | UPPER MANNVILLE I |
| 0725 250010 2010-04-01 | UPPER MANNVILLE J |
| 0725 250011 2011-07-01 | UPPER MANNVILLE K |
|                        |                   |
| 0725 300001 2001-02-01 | GLAUCONITIC A     |
| 0725 300003 2001-02-01 | GLAUCONITIC C     |
| 0725 300004 2010-04-01 | GLAUCONITIC D     |
| 0725 300005 2001-02-01 | GLAUCONITIC E     |
| 0725 300006 2001-02-01 | GLAUCONITIC F     |
| 0725 300007 2003-05-01 | GLAUCONITIC G     |
| 0725 300008 2001-02-01 | GLAUCONITIC H     |
| 0725 300009 2001-12-01 | GLAUCONITIC I     |
| 0725 300010 2002-09-01 | GLAUCONITIC J     |
| 0725 300011 2005-06-01 | GLAUCONITIC K     |
| 0725 300012 2010-04-01 | GLAUCONITIC L     |
| 0725 300013 2007-01-01 | GLAUCONITIC M     |
| 0725 300014 2005-07-01 | GLAUCONITIC N     |
| 0725 300015 2012-07-01 | GLAUCONITIC O     |
| 0725 300017 2006-07-01 | GLAUCONITIC Q     |
| 0725 300018 2010-04-01 | GLAUCONITIC R     |
| 0725 300019 2010-04-01 | GLAUCONITIC S     |
| 0725 300021 2009-12-01 | GLAUCONITIC U     |
| 0725 300022 2010-05-01 | GLAUCONITIC V     |
|                        |                   |
| 0725 316001 2001-10-01 | OSTRACOD A        |
| 0725 316002 2001-02-01 | OSTRACOD B        |
|                        |                   |
| 0725 336001 2010-04-01 | ELLERSLIE A       |
| 0725 336002 2010-04-01 | ELLERSLIE B       |
| 0725 336003 2001-02-01 | ELLERSLIE C       |
| 0725 336004 2001-02-01 | ELLERSLIE D       |
| 0725 336005 2001-02-01 | ELLERSLIE E       |
| 0725 336006 2010-04-01 | ELLERSLIE F       |
| 0725 336007 2001-02-01 | ELLERSLIE G       |
| 0725 336008 2001-02-01 | ELLERSLIE H       |
| 0725 336009 2001-02-01 | ELLERSLIE I       |
| 0725 336010 2001-02-01 | ELLERSLIE J       |

**POOL DESIGNATION (cont'd)**

|             |            |              |
|-------------|------------|--------------|
| 0725 336011 | 2001-02-01 | ELLERSLIE K  |
| 0725 336012 | 2001-02-01 | ELLERSLIE L  |
| 0725 336013 | 2001-02-01 | ELLERSLIE M  |
| 0725 336014 | 2010-04-01 | ELLERSLIE N  |
| 0725 336015 | 2001-02-01 | ELLERSLIE O  |
| 0725 336016 | 2001-02-01 | ELLERSLIE P  |
| 0725 336017 | 2003-11-01 | ELLERSLIE Q  |
| 0725 336018 | 2010-04-01 | ELLERSLIE R  |
| 0725 336019 | 2005-06-01 | ELLERSLIE S  |
| 0725 336021 | 2006-11-01 | ELLERSLIE U  |
| 0725 336022 | 2006-06-01 | ELLERSLIE V  |
| 0725 336025 | 2008-02-01 | ELLERSLIE Y  |
| 0725 336027 | 2012-04-01 | ELLERSLIE AA |
| 0725 336028 | 2013-07-01 | ELLERSLIE BB |
| 0725 336029 | 2013-09-01 | ELLERSLIE CC |
| 0725 336030 | 2013-09-01 | ELLERSLIE DD |
|             |            |              |
| 0725 350001 | 2005-12-01 | DETRITAL A   |
|             |            |              |
| 0725 728001 | 2017-06-01 | DUVERNAY A   |
| 0725 728002 | 2017-06-01 | DUVERNAY B   |
| 0725 728003 | 2017-07-01 | DUVERNAY C   |

**SPACING PATTERN**

|          |             |
|----------|-------------|
| SU 2364  | 31 Oct 1995 |
| SU 2364A | 25 Jan 1996 |
| SU 2364B | 27 Feb 1996 |
| SU 2364C | 11 Jul 1996 |
| SU 2364D | 26 Mar 2005 |
| SU 2364E | 19 Aug 2005 |
| SU 2364F | 15 Sep 2005 |
| SU 2364G | 14 Dec 2005 |
| SU 2364H | 2 Mar 2006  |
| SU 2364I | 26 May 2006 |

**COMMINGLED PRODUCTION**

|         |             |
|---------|-------------|
| MU 8199 | 31 Oct 2011 |
|---------|-------------|

**COMPULSORY POOLING**

|                        |             |
|------------------------|-------------|
| P 271                  | 22 Apr 2005 |
| Gas                    |             |
| 03-041-27W4M           |             |
| Compass Petroleum Inc. |             |

**COMPULSORY POOLING (cont'd)**

P 283            13 Sep 2005

P 283A          17 Mar 2011

Gas

19-042-27W4M

Bonavista Energy Corporation

**FIELD DESIGNATION**

0625 2003-12-01            MOUNTAIN FIELD

**POOL DESIGNATION**

0625 218001 2008-03-01    VIKING A

0625 296001 2001-02-01    LUSCAR A

0625 348001 2011-02-01    CADOMIN A

0625 348003 2002-05-01    CADOMIN C

0625 408001 2001-02-01    NIKANASSIN A

0625 500001 2010-04-01    TRIASSIC A

0625 500003 2010-04-01    TRIASSIC C

0625 500004 2004-08-01    TRIASSIC D

0625 630001 2010-04-01    TURNER VALLEY A

0625 630003 2005-09-01    TURNER VALLEY C

**SPACING PATTERN**

SU 2702            13 Mar 1996

**COMMINGLED PRODUCTION**

MU 1894            30 Mar 2000



**FIELD DESIGNATION**

0647 2015-07-01 MULLIGAN FIELD

**POOL DESIGNATION**

0647 192001 2007-10-01 DUNVEGAN A  
0647 192002 2004-10-01 DUNVEGAN B  
0647 192003 2008-06-01 DUNVEGAN C  
0647 192004 2008-11-01 DUNVEGAN D

0647 230001 2003-12-01 PADDY A

0647 264001 2003-09-01 SPIRIT RIVER A

0647 266001 2001-02-01 NOTIKEWIN A  
0647 266002 2006-07-01 NOTIKEWIN B  
0647 266003 2007-06-01 NOTIKEWIN C

0647 304001 2007-07-01 BLUESKY A  
0647 304002 2004-01-01 BLUESKY B  
0647 304004 2005-08-01 BLUESKY D  
0647 304005 2007-03-01 BLUESKY E  
0647 304006 2007-08-01 BLUESKY F  
0647 304007 2008-06-01 BLUESKY G

0647 326001 2001-02-01 GETHING A  
0647 326002 2001-02-01 GETHING B  
0647 326003 2001-02-01 GETHING C  
0647 326004 2001-02-01 GETHING D  
0647 326005 2001-02-01 GETHING E  
0647 326006 2001-02-01 GETHING F  
0647 326007 2004-01-01 GETHING G  
0647 326008 2002-11-01 GETHING H  
0647 326009 2003-01-01 GETHING I  
0647 326010 2003-02-01 GETHING J  
0647 326011 2003-03-01 GETHING K  
0647 326012 2003-05-01 GETHING L

**POOL DESIGNATION (cont'd)**

|                        |                |
|------------------------|----------------|
| 0647 326013 2003-07-01 | GETHING M      |
| 0647 326014 2004-01-01 | GETHING N      |
| 0647 326015 2006-08-01 | GETHING O      |
| 0647 326016 2007-06-01 | GETHING P      |
| 0647 326017 2009-02-01 | GETHING Q      |
| 0647 326018 2014-06-01 | GETHING R      |
|                        |                |
| 0647 348001 2001-05-01 | CADOMIN A      |
|                        |                |
| 0647 506001 2007-07-01 | BALDONNEL A    |
|                        |                |
| 0647 508001 2014-12-01 | CHARLIE LAKE A |
| 0647 508002 2014-06-01 | CHARLIE LAKE B |
| 0647 508004 2001-02-01 | CHARLIE LAKE D |
| 0647 508006 2001-03-01 | CHARLIE LAKE F |
| 0647 508007 2008-04-01 | CHARLIE LAKE G |
| 0647 508008 2008-08-01 | CHARLIE LAKE H |
| 0647 508009 2008-02-01 | CHARLIE LAKE I |
| 0647 508010 2009-07-01 | CHARLIE LAKE J |
| 0647 508011 2009-07-01 | CHARLIE LAKE K |
| 0647 508012 2017-04-01 | CHARLIE LAKE L |
| 0647 508013 2017-04-01 | CHARLIE LAKE M |
| 0647 508015 2015-07-01 | CHARLIE LAKE O |
| 0647 508017 2015-06-01 | CHARLIE LAKE Q |
| 0647 508018 2015-07-01 | CHARLIE LAKE R |
|                        |                |
| 0647 516001 2010-04-01 | HALFWAY A      |
| 0647 516002 2001-02-01 | HALFWAY B      |
| 0647 516003 2001-02-01 | HALFWAY C      |
| 0647 516004 2001-02-01 | HALFWAY D      |
| 0647 516005 2007-06-01 | HALFWAY E      |
| 0647 516006 2007-11-01 | HALFWAY F      |
| 0647 516007 2007-11-01 | HALFWAY G      |
| 0647 516008 2014-08-01 | HALFWAY H      |
|                        |                |
| 0647 520001 2008-03-01 | DOIG A         |
|                        |                |
| 0647 524001 2011-03-01 | MONTNEY A      |

**POOL DESIGNATION (cont'd)**

|             |            |               |
|-------------|------------|---------------|
| 0647 524003 | 2012-07-01 | MONTNEY C     |
| 0647 605001 | 2002-12-01 | TAYLOR FLAT A |
| 0647 606001 | 2001-02-01 | KISKATINAW A  |
| 0647 606002 | 2001-02-01 | KISKATINAW B  |
| 0647 606003 | 2010-04-01 | KISKATINAW C  |
| 0647 606004 | 2001-02-01 | KISKATINAW D  |
| 0647 606005 | 2001-02-01 | KISKATINAW E  |
| 0647 606006 | 2001-02-01 | KISKATINAW F  |
| 0647 606007 | 2001-02-01 | KISKATINAW G  |
| 0647 606008 | 2001-02-01 | KISKATINAW H  |
| 0647 606009 | 2001-02-01 | KISKATINAW I  |
| 0647 606010 | 2001-03-01 | KISKATINAW J  |
| 0647 606011 | 2002-01-01 | KISKATINAW K  |
| 0647 606012 | 2007-05-01 | KISKATINAW L  |
| 0647 606013 | 2002-12-01 | KISKATINAW M  |
| 0647 606014 | 2004-07-01 | KISKATINAW N  |
| 0647 606015 | 2004-07-01 | KISKATINAW O  |
| 0647 606016 | 2010-04-01 | KISKATINAW P  |
| 0647 606017 | 2010-04-01 | KISKATINAW Q  |
| 0647 606018 | 2008-09-01 | KISKATINAW R  |
| 0647 606019 | 2008-09-01 | KISKATINAW S  |
| 0647 606020 | 2006-06-01 | KISKATINAW T  |
| 0647 606021 | 2008-09-01 | KISKATINAW U  |
| 0647 606022 | 2006-10-01 | KISKATINAW V  |
| 0647 606023 | 2010-04-01 | KISKATINAW W  |
| 0647 606024 | 2013-03-01 | KISKATINAW X  |
| 0647 606025 | 2007-06-01 | KISKATINAW Y  |
| 0647 606026 | 2007-06-01 | KISKATINAW Z  |
| 0647 606027 | 2007-08-01 | KISKATINAW AA |
| 0647 606028 | 2007-07-01 | KISKATINAW BB |
| 0647 606029 | 2007-10-01 | KISKATINAW CC |
| 0647 612001 | 2010-04-01 | DEBOLT A      |

**SPACING PATTERN**

SU 2863 13 Mar 1998

SU 2863A 26 Nov 2003

**COMMINGLED PRODUCTION**

MU 8791 3 May 2016

**SUBSURFACE DISPOSAL SCHEMES**

App 8543B 3 Jul 2010

Class III Acid Gas

Spectra Energy Midstream Corporation

App 12163E 3 Jan 2017

Class II

Tourmaline Oil Corp.

App 12240A 7 Jan 2015

Class II

Artek Exploration Ltd.

**FIELD DESIGNATION**

0630 2004-01-01 MURIEL LAKE FIELD

**POOL DESIGNATION**

0630 218001 2001-02-01 VIKING A  
0630 218002 2001-02-01 VIKING B  
0630 218003 2001-02-01 VIKING C

0630 248001 2010-04-01 MANNVILLE A  
0630 248002 2001-02-01 MANNVILLE B  
0630 248004 2001-02-01 MANNVILLE D  
0630 248005 2011-05-01 MANNVILLE E

0630 256001 2010-04-01 COLONY A  
0630 256002 2001-02-01 COLONY B  
0630 256003 2001-02-01 COLONY C  
0630 256004 2001-03-01 COLONY D  
0630 256005 2001-03-01 COLONY E  
0630 256006 2001-12-01 COLONY F  
0630 256007 2004-01-01 COLONY G  
0630 256008 2006-02-01 COLONY H

0630 262001 2010-04-01 GRAND RAPIDS A

0630 270001 2007-07-01 WASECA A

**SPACING PATTERN**

SU 2701 7 Mar 1996

**COMMINGLED PRODUCTION**

MU 1339 2 Jul 1996

**FIELD DESIGNATION**

1178 2009-11-01 MUSKWA FIELD

**POOL DESIGNATION**

1178 280001 2002-05-01 CLEARWATER A  
1178 280003 2003-06-01 CLEARWATER C  
1178 280004 2003-06-01 CLEARWATER D  
1178 280005 2010-04-01 CLEARWATER E  
1178 280007 2003-07-01 CLEARWATER G  
1178 280010 2006-05-01 CLEARWATER J  
1178 280011 2006-05-01 CLEARWATER K  
1178 280012 2007-06-01 CLEARWATER L  
1178 280013 2007-06-01 CLEARWATER M  
1178 280014 2008-09-01 CLEARWATER N  
1178 280015 2008-07-01 CLEARWATER O  
1178 280016 2011-08-01 CLEARWATER P

1178 306002 2001-03-01 WABISKAW B  
1178 306003 2010-04-01 WABISKAW C  
1178 306004 2001-08-01 WABISKAW D  
1178 306005 2010-04-01 WABISKAW E  
1178 306006 2002-06-01 WABISKAW F  
1178 306007 2003-02-01 WABISKAW G

1178 328001 2003-03-01 MCMURRAY A

1178 658001 2011-09-01 WABAMUN A  
1178 658002 2010-04-01 WABAMUN B  
1178 658013 2002-02-01 WABAMUN M  
1178 658014 2002-04-01 WABAMUN N  
1178 658015 2003-06-01 WABAMUN O  
1178 658016 2004-01-01 WABAMUN P  
1178 658017 2013-10-01 WABAMUN Q

1178 680001 2010-02-01 BLUERIDGE A  
1178 680003 2001-03-01 BLUERIDGE C

**POOL DESIGNATION (cont'd)**

|             |            |         |
|-------------|------------|---------|
| 1178 696001 | 2001-02-01 | NISKU A |
| 1178 696002 | 2001-02-01 | NISKU B |
| 1178 696003 | 2001-02-01 | NISKU C |
| 1178 696005 | 2010-04-01 | NISKU E |

**COMMINGLED PRODUCTION**

MU 6507      8 Mar 2007

**SUBSURFACE DISPOSAL SCHEMES**

App 9129      27 Jun 2002  
Class II  
Husky Oil Operations Limited

**FIELD DESIGNATION**

0701 2001-02-01                    MYSTERY FIELD

**POOL DESIGNATION**

0701 336001 2007-07-01        ELLERSLIE A

**SPACING PATTERN**

SU 4166            15 Apr 2004

SU 4166A          4 Oct 2007