

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	2018-04-01	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	2018-06-01	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 2018-06-01 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 160008 2018-04-01 COLORADO H

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

POOL DESIGNATION (cont'd)

0594 250005 2011-12-01	UPPER MANNVILLE E
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

POOL DESIGNATION (cont'd)

0594 250052 2001-02-01	UPPER MANNVILLE ZZ
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

POOL DESIGNATION (cont'd)

0594 250745 2010-04-01	UPPER MANNVILLE S2S
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

POOL DESIGNATION (cont'd)

0594 251132 2014-03-01	UPPER MANNVILLE F4F
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 2018-01-01	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

POOL DESIGNATION (cont'd)

0594 251522 2011-12-01	UPPER MANNVILLE V5V
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

POOL DESIGNATION (cont'd)

0594 251910 2006-10-01	UPPER MANNVILLE J7J
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

POOL DESIGNATION (cont'd)

0594 251949 2013-07-01	UPPER MANNVILLE W8W
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 2018-02-01	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

POOL DESIGNATION (cont'd)

0594 310013	2010-04-01	LOWER MANNVILLE M
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
0594 322001	2016-01-01	DINA A
0594 851800	2018-07-01	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
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App 12553B	22 Aug 2017
Waterflood	
Upper Mannville T8T	
Perpetual Operating Corp.	

ENHANCED RECOVERY SCHEMES

App 12090G	5 Sep 2017
Waterflood	
Upper Mannville	
Perpetual Energy Inc.	

App 54841	12 Apr 2018
Waterflood	
Upper Mannville E	
Cor4 Oil Corp.	

SUBSURFACE DISPOSAL SCHEMES

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

App 11708M	29 Apr 2015
Class II	
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 10531G 15 Aug 2017
 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
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FIELD DESIGNATION

1154 2018-01-01 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 758019 2018-01-01 SLAVE POINT S

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 767508 2018-01-01 SULPHUR POINT H

1154 768501 2014-11-01 MUSKEG A
1154 768502 2014-12-01 MUSKEG B

POOL DESIGNATION (cont'd)

1154 768503 2013-12-01 MUSKEG C
1154 768504 2013-12-01 MUSKEG D
1154 768505 2017-11-01 MUSKEG E
1154 768506 2015-05-01 MUSKEG F
1154 768507 2018-01-01 MUSKEG G
1154 768508 2015-03-01 MUSKEG H
1154 768509 2018-01-01 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.

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 C

1155 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 N

1155 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 2018-06-01 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 280213 2018-06-01	CLEARWATER MMM
0616 280214 2018-06-01	CLEARWATER NNN
0616 280215 2018-05-01	CLEARWATER OOO
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

POOL DESIGNATION (cont'd)

0616 306016	2007-01-01	WABISKAW P
0616 306017	2010-04-01	WABISKAW Q
0616 306018	2008-05-01	WABISKAW R
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

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

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
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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	2017-09-01	MFP8506 BELLY RIVER
0598 854300	2017-09-01	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
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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 11128B 12 Sep 2017
Class II
Obsidian Energy 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	NOTIKEWIN 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 8385H 4 Dec 2017
 Waterflood
 Glauconitic H
 Canadian Natural Resources Limited

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

App 10364HH 11 Jun 2018
 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 11365D 10 Jan 2018
Class II
Canlin Energy Corporation

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

App 12664 11 Sep 2017
Class II
Enerplus Corporation

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.

COMPULSORY POOLING (cont'd)

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

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.

COMPULSORY POOLING (cont'd)

P 192 11 Apr 2000

Gas

SE/4 03-013-05W4M

City of Medicine Hat

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 NOTIKEWIN A
0611 266002 2010-12-01 NOTIKEWIN B
0611 266003 2010-04-01 NOTIKEWIN C
0611 266006 2007-03-01 NOTIKEWIN 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
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COMPULSORY POOLING

P 234	21 Feb 2003
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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 2018-02-01	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
0604 638002	2001-02-01	ELKTON B
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
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
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	2017-09-01	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 2518E 17 Oct 2018
 Waterflood
 Glauconitic A
 Gain Energy 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
Glaucconitic A
Prairie Storm Energy Corp.

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

App 4815E 13 Sep 2017
Waterflood
Viking D
Cenovus Energy Inc.

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

App 5350 1 Jun 1987

App 5350A 23 Nov 1990

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

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

App 9612E 11 Oct 2017
Waterflood
Jurassic A
Cenovus Energy Inc.

App 9614C 11 Oct 2017
Waterflood
Pekisko E
Cenovus Energy Inc.

App 9718F 11 Oct 2017
Waterflood
Jurassic D and GG
Cenovus Energy Inc.

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

App 10528C 11 Oct 2017
By gas injection
Pekisko N
Cenovus Energy Inc.

App 10641E 13 Dec 2017
Waterflood
Glaucconitic 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 9058A 12 Sep 2017
Class II
Obsidian Energy 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 5583D 30 Oct 2017

Class II

West Lake Energy Corp.

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 5439C 30 May 2018
Class II
Vantage Point Resources Inc.

App 8137B 29 Apr 2015
Class II
Long Run Exploration Ltd.

App 8145C 30 Jun 2015
Class II
TAQA North Ltd.

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MIL

MILK RIVER AREA

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SPACING PATTERN

SU 2440 12 Dec 1995

INDEX OF AER ORDERS AND APPROVALS

MIL

MILLARVILLE FIELD
July 2018

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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
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COMPULSORY POOLING

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

FIELD DESIGNATION

0646 2017-09-01 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	2017-09-01	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 9602C 10 Jan 2018
Class Ib
Canlin Energy Corporation

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 2017-11-01 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 508009 2018-05-01	CHARLIE LAKE I
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 12438B 23 Apr 2018
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 2018-04-01 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	2018-07-01	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
0615 304002 2002-07-01	BLUESKY B
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.

App 12721 23 Apr 2018
Class II
Tiger Calcium Services 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 2017-11-01 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 11488I 18 Oct 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 2017-11-01 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 2018-04-01	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 2018-07-01	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
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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 10819D 17 Oct 2017
Class II and III
Cedar Creek Energy 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 2018-06-01 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	2017-09-01	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	2017-09-01	DUVERNAY A
0725 728002	2017-06-01	DUVERNAY B
0725 728003	2017-07-01	DUVERNAY C
0725 728004	2018-03-01	DUVERNAY D
0725 728005	2018-04-01	DUVERNAY E
0725 728006	2017-12-01	DUVERNAY F
0725 728007	2018-06-01	DUVERNAY G
0725 728008	2018-06-01	DUVERNAY H

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
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COMPULSORY POOLING

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

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 2018-04-01 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 2018-04-01	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