

INDEX OF AER ORDERS AND APPROVALS

HAI

HAIG AREA

1105

March 2018

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SPACING PATTERN

SU 2384 7 Dec 1995

FIELD DESIGNATION

0436 2015-07-01 HAIRY HILL FIELD

POOL DESIGNATION

0436 218009 2001-02-01 VIKING I
0436 218011 2001-02-01 VIKING K
0436 218013 2001-02-01 VIKING M
0436 218014 2001-02-01 VIKING N
0436 218015 2001-02-01 VIKING O
0436 218016 2001-02-01 VIKING P
0436 218017 2001-02-01 VIKING Q
0436 218018 2001-02-01 VIKING R
0436 218019 2001-02-01 VIKING S
0436 218020 2001-02-01 VIKING T
0436 218021 2001-02-01 VIKING U
0436 218022 2001-03-01 VIKING V
0436 218023 2001-03-01 VIKING W
0436 218024 2010-04-01 VIKING X

0436 250001 2001-02-01 UPPER MANNVILLE A
0436 250002 2010-04-01 UPPER MANNVILLE B
0436 250005 2001-02-01 UPPER MANNVILLE E
0436 250006 2001-02-01 UPPER MANNVILLE F
0436 250007 2001-02-01 UPPER MANNVILLE G
0436 250009 2010-05-01 UPPER MANNVILLE I
0436 250010 2001-02-01 UPPER MANNVILLE J
0436 250011 2001-02-01 UPPER MANNVILLE K
0436 250012 2001-02-01 UPPER MANNVILLE L
0436 250013 2001-02-01 UPPER MANNVILLE M
0436 250015 2001-02-01 UPPER MANNVILLE O
0436 250018 2007-07-01 UPPER MANNVILLE R
0436 250021 2001-02-01 UPPER MANNVILLE U
0436 250022 2006-12-01 UPPER MANNVILLE V
0436 250025 2001-02-01 UPPER MANNVILLE Y
0436 250027 2001-02-01 UPPER MANNVILLE AA
0436 250028 2005-02-01 UPPER MANNVILLE BB

POOL DESIGNATION (cont'd)

0436 250029 2001-02-01	UPPER MANNVILLE CC
0436 250030 2001-02-01	UPPER MANNVILLE DD
0436 250031 2001-02-01	UPPER MANNVILLE EE
0436 250032 2001-02-01	UPPER MANNVILLE FF
0436 250033 2001-02-01	UPPER MANNVILLE GG
0436 250034 2001-02-01	UPPER MANNVILLE HH
0436 250035 2009-03-01	UPPER MANNVILLE II
0436 250036 2001-02-01	UPPER MANNVILLE JJ
0436 250037 2004-07-01	UPPER MANNVILLE KK
0436 250038 2001-02-01	UPPER MANNVILLE LL
0436 250042 2001-03-01	UPPER MANNVILLE PP
0436 250043 2003-06-01	UPPER MANNVILLE QQ
0436 250044 2003-09-01	UPPER MANNVILLE RR
0436 250045 2004-01-01	UPPER MANNVILLE SS
0436 250046 2004-06-01	UPPER MANNVILLE TT
0436 250047 2004-07-01	UPPER MANNVILLE UU
0436 250048 2005-05-01	UPPER MANNVILLE VV
0436 250050 2005-08-01	UPPER MANNVILLE XX
0436 250051 2005-04-01	UPPER MANNVILLE YY
0436 250052 2005-05-01	UPPER MANNVILLE ZZ
0436 250701 2005-08-01	UPPER MANNVILLE AAA
0436 250702 2010-05-01	UPPER MANNVILLE BBB
0436 250703 2007-01-01	UPPER MANNVILLE CCC
0436 250704 2007-03-01	UPPER MANNVILLE DDD
0436 250705 2010-04-01	UPPER MANNVILLE EEE
0436 250706 2007-07-01	UPPER MANNVILLE FFF
0436 250707 2007-07-01	UPPER MANNVILLE GGG
0436 250708 2007-07-01	UPPER MANNVILLE HHH
0436 250709 2007-10-01	UPPER MANNVILLE III
0436 250710 2012-08-01	UPPER MANNVILLE JJJ
0436 250711 2007-12-01	UPPER MANNVILLE KKK
0436 250712 2008-01-01	UPPER MANNVILLE LLL
0436 250713 2010-04-01	UPPER MANNVILLE MMM
0436 250714 2008-02-01	UPPER MANNVILLE NNN
0436 250716 2008-06-01	UPPER MANNVILLE PPP
0436 250717 2008-10-01	UPPER MANNVILLE QQQ
0436 250718 2009-04-01	UPPER MANNVILLE RRR
0436 250721 2011-05-01	UPPER MANNVILLE UUU

POOL DESIGNATION (cont'd)

0436 256002 2009-03-01	COLONY B
0436 256003 2009-03-01	COLONY C
0436 256005 2006-04-01	COLONY E
0436 256006 2009-03-01	COLONY F
0436 256007 2001-02-01	COLONY G
0436 256010 2001-02-01	COLONY J
0436 256012 2010-04-01	COLONY L
0436 256013 2001-02-01	COLONY M
0436 256014 2001-02-01	COLONY N
0436 256019 2010-04-01	COLONY S
0436 256023 2010-04-01	COLONY W
0436 256024 2010-04-01	COLONY X
0436 256025 2001-02-01	COLONY Y
0436 256026 2001-02-01	COLONY Z
0436 256027 2001-02-01	COLONY AA
0436 256028 2010-04-01	COLONY BB
0436 256029 2001-02-01	COLONY CC
0436 256031 2001-02-01	COLONY EE
0436 256033 2001-02-01	COLONY GG
0436 256034 2001-04-01	COLONY HH
0436 256035 2005-05-01	COLONY II
0436 256036 2005-09-01	COLONY JJ
0436 256037 2006-02-01	COLONY KK
0436 256040 2007-01-01	COLONY NN
0436 256041 2007-04-01	COLONY OO
0436 256042 2007-07-01	COLONY PP
0436 256043 2008-03-01	COLONY QQ
0436 256044 2008-12-01	COLONY RR
0436 256045 2009-03-01	COLONY SS
0436 256046 2009-04-01	COLONY TT
0436 256047 2009-04-01	COLONY UU
0436 256048 2009-04-01	COLONY VV
0436 256049 2012-05-01	COLONY WW
0436 276001 2005-10-01	SPARKY A
0436 276002 2006-08-01	SPARKY B
0436 310001 2001-02-01	LOWER MANNVILLE A

POOL DESIGNATION (cont'd)

0436 310002	2001-02-01	LOWER MANNVILLE B
0436 310003	2010-04-01	LOWER MANNVILLE C
0436 310004	2009-05-01	LOWER MANNVILLE D
0436 310005	2009-06-01	LOWER MANNVILLE E
0436 350001	2001-02-01	DETRITAL A
0436 696002	2001-02-01	D-2 B
0436 696003	2010-12-01	D-2 C
0436 696004	2006-03-01	D-2 D
0436 708001	2010-04-01	CAMROSE A
0436 850800	2015-07-01	MFP8508 VIKING

SPACING PATTERN

SU 2674 13 Mar 1996

COMMINGLED PRODUCTION

MU 8743 7 Jul 2015

COMMON

CARRIER/PURCHASER/PROCESSOR

MISC 8302 2 Mar 1983
 Westmin Resources Ltd.
 Common carrier of gas produced from
 Willingdon & Hairy Hill Fields

SUBSURFACE DISPOSAL SCHEMES

App 3691C 10 Apr 2012
 Class II
 Canadian Natural Resources Limited

SUBSURFACE DISPOSAL SCHEMES

(cont'd)

App 10043A 10 Sep 2010
 Class II
 Bellatrix Exploration Ltd.

COMPULSORY POOLING

P 195 14 Aug 2000

Gas
 23-055-14W4M
 Brigus Resources Ltd.

P 314 22 Mar 2007

P 314A 10 Oct 2007

Gas
 15-056-14 W4M
 Fair Sky Resources Inc.

FIELD DESIGNATION

0437 2013-09-01 HALKIRK FIELD

POOL DESIGNATION

0437 106001 2007-02-01 EDMONTON A

0437 176001 2008-02-01 CARDIUM A

0437 218002 2001-03-01 VIKING B

0437 218003 2010-04-01 VIKING C

0437 218004 2010-04-01 VIKING D

0437 218006 2006-11-01 VIKING F

0437 218007 2008-06-01 VIKING G

0437 218008 2013-09-01 VIKING H

0437 250001 2001-02-01 UPPER MANNVILLE A

0437 250002 2003-07-01 UPPER MANNVILLE B

0437 250004 2010-04-01 UPPER MANNVILLE D

0437 250005 2001-02-01 UPPER MANNVILLE E

0437 250007 2001-02-01 UPPER MANNVILLE G

0437 250009 2010-04-01 UPPER MANNVILLE I

0437 250010 2001-02-01 UPPER MANNVILLE J

0437 250011 2001-09-01 UPPER MANNVILLE K

0437 250012 2001-02-01 UPPER MANNVILLE L

0437 250013 2001-02-01 UPPER MANNVILLE M

0437 250014 2001-02-01 UPPER MANNVILLE N

0437 250015 2001-02-01 UPPER MANNVILLE O

0437 250017 2001-02-01 UPPER MANNVILLE Q

0437 250018 2010-04-01 UPPER MANNVILLE R

0437 250019 2001-02-01 UPPER MANNVILLE S

0437 250020 2001-02-01 UPPER MANNVILLE T

0437 250022 2005-12-01 UPPER MANNVILLE V

0437 250023 2005-12-01 UPPER MANNVILLE W

0437 250024 2006-09-01 UPPER MANNVILLE X

0437 300001 2001-02-01 GLAUCONITIC A

POOL DESIGNATION (cont'd)

0437 300002 2001-02-01	GLAUCONITIC B
0437 300003 2001-02-01	GLAUCONITIC C
0437 300004 2001-02-01	GLAUCONITIC D
0437 300005 2010-04-01	GLAUCONITIC E
0437 300006 2010-04-01	GLAUCONITIC F
0437 300007 2001-02-01	GLAUCONITIC G
0437 300008 2001-02-01	GLAUCONITIC H
0437 300009 2001-02-01	GLAUCONITIC I
0437 300010 2001-02-01	GLAUCONITIC J
0437 300011 2005-07-01	GLAUCONITIC K
0437 300012 2001-02-01	GLAUCONITIC L
0437 300013 2001-03-01	GLAUCONITIC M
0437 300014 2002-05-01	GLAUCONITIC N
0437 300015 2009-01-01	GLAUCONITIC O
0437 300016 2008-10-01	GLAUCONITIC P
0437 300017 2013-09-01	GLAUCONITIC Q
0437 310006 2010-04-01	LOWER MANNVILLE F
0437 310007 2010-04-01	LOWER MANNVILLE G
0437 310010 2001-02-01	LOWER MANNVILLE J
0437 310011 2001-02-01	LOWER MANNVILLE K
0437 310012 2001-02-01	LOWER MANNVILLE L
0437 310013 2001-02-01	LOWER MANNVILLE M
0437 310014 2001-02-01	LOWER MANNVILLE N
0437 310015 2001-02-01	LOWER MANNVILLE O
0437 310016 2001-02-01	LOWER MANNVILLE P
0437 310017 2001-02-01	LOWER MANNVILLE Q
0437 310019 2002-08-01	LOWER MANNVILLE S
0437 310020 2001-02-01	LOWER MANNVILLE T
0437 310021 2001-03-01	LOWER MANNVILLE U
0437 310022 2001-04-01	LOWER MANNVILLE V
0437 310023 2006-09-01	LOWER MANNVILLE W
0437 310024 2006-12-01	LOWER MANNVILLE X
0437 310025 2006-12-01	LOWER MANNVILLE Y
0437 310026 2010-04-01	LOWER MANNVILLE Z
0437 658001 2011-05-01	D-1 A

POOL DESIGNATION (cont'd)

0437 708001 2001-02-01 CAMROSE A
 0437 708002 2001-02-01 CAMROSE B
 0437 708003 2001-02-01 CAMROSE C
 0437 708004 2001-02-01 CAMROSE D

SPACING PATTERN

SU 2991 19 Jul 2000
 SU 2991A 16 Oct 2000
 SU 2991B 20 Jul 2001
 SU 2991C 31 Aug 2001
 SU 2991D 25 Oct 2002
 SU 2991E 6 Jun 2005
 SU 2991F 28 Mar 2006
 SU 2991G 9 Jun 2006
 SU 2991H 11 Jun 2007

ENHANCED RECOVERY SCHEMES (cont'd)

App 8211F 6 Aug 2015
 Waterflood
 Glauconitic A
 Canadian Oil & Gas International Inc.

App 8339G 19 Mar 2015
 Waterflood
 Upper Mannville Q
 Canadian Natural Resources Limited

COMMINGLED PRODUCTION

MU 2700 13 Sep 2002

App 10326F 6 Aug 2015
 Waterflood
 Upper Mannville J
 Canadian Oil & Gas International Inc.

ENHANCED RECOVERY SCHEMES

App 8792D 9 Sep 2015
 Waterflood
 Upper Mannville I
 Logic Energy Ltd.

App 11399D 13 Mar 2015
 Waterflood
 Glauconitic O
 Crescent Point Energy Corp.

App 6206G 24 Aug 2017
 Waterflood
 Upper Mannville D
 Marlboro Energy Ltd.

COMPULSORY POOLING

P 387 7 May 2009
 Oil
 27-038-17W4M
 EOG Resources Canada Inc.

App 7496J 11 Dec 2017
 Waterflood and CCP
 Upper Mannville R
 Canadian Natural Resources Limited

COMPULSORY POOLING (cont'd)

P 395 11 Jun 2009
P 395A 22 Aug 2013
Gas
27-038-17W4M
EOG Resources Canada Inc.

FIELD DESIGNATION

0438 2001-02-01 HALLIDAY FIELD

POOL DESIGNATION

0438 218001 2006-11-01 VIKING A
0438 218003 2001-02-01 VIKING C
0438 218004 2001-02-01 VIKING D
0438 218005 2010-04-01 VIKING E

0438 300001 2001-02-01 GLAUCONITIC A
0438 300002 2013-11-01 GLAUCONITIC B
0438 300003 2007-07-01 GLAUCONITIC C

FIELD DESIGNATION

0746 2009-12-01 HAMBURG FIELD

POOL DESIGNATION

0746 266001 2009-03-01 NOTIKEWIN A

0746 304001 2002-12-01 BLUESKY A

0746 304003 2007-07-01 BLUESKY C

0746 304008 2008-12-01 BLUESKY H

0746 304009 2009-04-01 BLUESKY I

0746 304501 2001-02-01 BLUESKY-MONTNEY A

0746 304503 2010-04-01 BLUESKY-MONTNEY C

0746 304504 2003-08-01 BLUESKY-MONTNEY D

0746 304505 2010-01-01 BLUESKY-MONTNEY E

0746 304507 2003-07-01 BLUESKY-MONTNEY G

0746 304508 2010-01-01 BLUESKY-MONTNEY H

0746 304511 2003-05-01 BLUESKY-MONTNEY K

0746 304512 2003-05-01 BLUESKY-MONTNEY L

0746 304513 2003-06-01 BLUESKY-MONTNEY M

0746 304514 2003-06-01 BLUESKY-MONTNEY N

0746 304515 2009-04-01 BLUESKY-MONTNEY O

0746 304516 2004-08-01 BLUESKY-MONTNEY P

0746 304517 2004-08-01 BLUESKY-MONTNEY Q

0746 304520 2006-03-01 BLUESKY-MONTNEY T

0746 304521 2009-12-01 BLUESKY-MONTNEY U

0746 304523 2006-02-01 BLUESKY-MONTNEY W

0746 304526 2010-07-01 BLUESKY-MONTNEY Z

0746 304527 2008-03-01 BLUESKY-MONTNEY AA

0746 304528 2007-08-01 BLUESKY-MONTNEY BB

0746 304529 2010-07-01 BLUESKY-MONTNEY CC

0746 304531 2013-02-01 BLUESKY-MONTNEY EE

0746 758001 2010-04-01 SLAVE POINT A

0746 758003 2001-02-01 SLAVE POINT C

0746 758004 2001-02-01 SLAVE POINT D

POOL DESIGNATION (cont'd)

0746 758005	2003-07-01	SLAVE POINT E
0746 758006	2001-02-01	SLAVE POINT F
0746 758007	2001-02-01	SLAVE POINT G
0746 758008	2001-02-01	SLAVE POINT H
0746 758009	2001-02-01	SLAVE POINT I
0746 758010	2001-02-01	SLAVE POINT J
0746 758011	2001-02-01	SLAVE POINT K
0746 758012	2001-02-01	SLAVE POINT L
0746 758013	2001-02-01	SLAVE POINT M
0746 758015	2001-02-01	SLAVE POINT O
0746 758016	2016-09-01	SLAVE POINT P
0746 758017	2001-02-01	SLAVE POINT Q
0746 758018	2010-04-01	SLAVE POINT R
0746 758019	2004-09-01	SLAVE POINT S
0746 758020	2003-10-01	SLAVE POINT T
0746 758021	2003-02-01	SLAVE POINT U
0746 758022	2002-02-01	SLAVE POINT V
0746 758023	2002-03-01	SLAVE POINT W
0746 758024	2002-02-01	SLAVE POINT X
0746 758025	2002-03-01	SLAVE POINT Y
0746 758026	2010-04-01	SLAVE POINT Z
0746 758027	2002-04-01	SLAVE POINT AA
0746 758028	2002-11-01	SLAVE POINT BB
0746 758029	2003-06-01	SLAVE POINT CC
0746 758030	2003-05-01	SLAVE POINT DD
0746 758031	2002-11-01	SLAVE POINT EE
0746 758032	2003-03-01	SLAVE POINT FF
0746 758033	2010-04-01	SLAVE POINT GG
0746 758034	2003-10-01	SLAVE POINT HH
0746 758035	2003-09-01	SLAVE POINT II
0746 758036	2004-04-01	SLAVE POINT JJ
0746 758037	2004-04-01	SLAVE POINT KK
0746 758038	2006-03-01	SLAVE POINT LL
0746 758039	2006-04-01	SLAVE POINT MM
0746 758040	2010-04-01	SLAVE POINT NN
0746 758041	2009-12-01	SLAVE POINT OO

POOL DESIGNATION (cont'd)

0746 765501 2008-06-01 GILWOOD A
0746 765502 2008-06-01 GILWOOD B

SPACING PATTERN

SU 4058 26 Feb 2003
SU 4058A 26 Jun 2003
SU 4058B 22 Apr 2004
SU 4058C 31 Jan 2005
SU 4058D 16 Feb 2005
SU 4058E 11 Aug 2005
SU 4058F 3 Apr 2006
SU 4058G 28 Aug 2006
SU 4058H 25 Jan 2007
SU 4058I 17 Oct 2007

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

App 8880A 15 May 2012
Class II
Canadian Natural Resources Limited

COMMINGLED PRODUCTION

MU 1104 4 Jul 1994

GAS STORAGE SCHEMES

App 11236A 3 Feb 2012
Slave Point A
Canadian Natural Resources Limited

GAS ALLOWABLE

GA 324 26 Jun 1991

SUBSURFACE DISPOSAL SCHEMES

App 4762B 2 Apr 2012
Class Ib
Canadian Natural Resources Limited

FIELD DESIGNATION

0440 2010-05-01 HAMELIN CREEK FIELD

POOL DESIGNATION

0440 192001 2004-04-01 DUNVEGAN A
0440 192002 2010-04-01 DUNVEGAN B
0440 192003 2005-05-01 DUNVEGAN C
0440 192004 2005-06-01 DUNVEGAN D
0440 192005 2006-05-01 DUNVEGAN E
0440 192006 2011-06-01 DUNVEGAN F

0440 230001 2001-02-01 PADDY A

0440 264001 2001-02-01 SPIRIT RIVER A
0440 264002 2005-03-01 SPIRIT RIVER B

0440 266001 2001-02-01 NOTIKEWIN A

0440 326001 2001-02-01 GETHING A
0440 326002 2001-02-01 GETHING B
0440 326003 2001-02-01 GETHING C
0440 326004 2001-02-01 GETHING D
0440 326005 2001-04-01 GETHING E
0440 326006 2003-07-01 GETHING F
0440 326007 2005-01-01 GETHING G
0440 326008 2007-07-01 GETHING H
0440 326009 2008-02-01 GETHING I
0440 326010 2012-06-01 GETHING J

0440 446001 2010-05-01 JURASSIC A

0440 500001 2010-04-01 TRIASSIC A
0440 500002 2010-04-01 TRIASSIC B
0440 500003 2001-02-01 TRIASSIC C
0440 500004 2003-05-01 TRIASSIC D

POOL DESIGNATION (cont'd)

0440 556001	2013-09-01	BELLOY A
0440 556002	2012-05-01	BELLOY B
0440 606001	2001-02-01	KISKATINAW A
0440 606002	2003-05-01	KISKATINAW B
0440 606003	2007-12-01	KISKATINAW C
0440 612001	2005-01-01	DEBOLT A
0440 658001	2013-03-01	WABAMUN A
0440 658002	2004-11-01	WABAMUN B

MISCELLANEOUS ORDERS

MISC 5807 1 May 1958
Gas spacing unit - HB
Union Texaco No. 1

SUBSURFACE DISPOSAL SCHEMES

App 10534A 23 Oct 2012
Class II
Terra Energy Corp.

FIELD DESIGNATION

0444 2011-09-01 HANGINGSTONE FIELD

POOL DESIGNATION

0444 250001 2011-09-01 UPPER MANNVILLE A
0444 250002 2010-04-01 UPPER MANNVILLE B
0444 250005 2001-02-01 UPPER MANNVILLE E
0444 250008 2010-12-01 UPPER MANNVILLE H
0444 250010 2011-09-01 UPPER MANNVILLE J
0444 250011 2001-11-01 UPPER MANNVILLE K
0444 250013 2011-02-01 UPPER MANNVILLE M

0444 262001 2001-02-01 GRAND RAPIDS A
0444 262002 2003-08-01 GRAND RAPIDS B
0444 262003 2003-09-01 GRAND RAPIDS C
0444 262004 2011-12-01 GRAND RAPIDS D

0444 280002 2011-11-01 CLEARWATER B
0444 280003 2003-06-01 CLEARWATER C
0444 280004 2011-09-01 CLEARWATER D
0444 280005 2011-06-01 CLEARWATER E
0444 280006 2008-08-01 CLEARWATER F
0444 280007 2004-11-01 CLEARWATER G
0444 280008 2004-12-01 CLEARWATER H
0444 280009 2011-07-01 CLEARWATER I
0444 280010 2011-07-01 CLEARWATER J
0444 280011 2011-09-01 CLEARWATER K

0444 306001 2010-04-01 WABISKAW A
0444 306002 2003-12-01 WABISKAW B
0444 306010 2003-12-01 WABISKAW J
0444 306011 2010-04-01 WABISKAW K
0444 306012 2004-01-01 WABISKAW L
0444 306013 2004-01-01 WABISKAW M
0444 306014 2004-01-01 WABISKAW N
0444 306015 2004-01-01 WABISKAW O

POOL DESIGNATION (cont'd)

0444 306016 2004-01-01	WABISKAW P
0444 306201 2010-04-01	WABISKAW-MCMURRAY A
0444 306202 2004-01-01	WABISKAW-MCMURRAY B
0444 306203 2004-08-01	WABISKAW-MCMURRAY C
0444 306204 2010-04-01	WABISKAW-MCMURRAY D
0444 306205 2010-04-01	WABISKAW-MCMURRAY E
0444 328003 2003-12-01	MCMURRAY C
0444 328005 2003-12-01	MCMURRAY E
0444 328007 2003-12-01	MCMURRAY G
0444 328008 2003-12-01	MCMURRAY H
0444 328009 2003-12-01	MCMURRAY I
0444 328012 2003-12-01	MCMURRAY L
0444 328021 2006-02-01	MCMURRAY U
0444 328024 2004-09-01	MCMURRAY X
0444 328025 2010-04-01	MCMURRAY Y
0444 328026 2004-01-01	MCMURRAY Z
0444 328028 2004-08-01	MCMURRAY BB
0444 328030 2001-02-01	MCMURRAY DD
0444 328033 2001-02-01	MCMURRAY GG
0444 328034 2001-02-01	MCMURRAY HH
0444 328035 2003-12-01	MCMURRAY II
0444 328036 2003-12-01	MCMURRAY JJ
0444 328037 2006-01-01	MCMURRAY KK
0444 328038 2003-12-01	MCMURRAY LL
0444 328039 2002-02-01	MCMURRAY MM
0444 328041 2003-12-01	MCMURRAY OO
0444 328042 2002-10-01	MCMURRAY PP
0444 328043 2003-12-01	MCMURRAY QQ
0444 328044 2010-04-01	MCMURRAY RR
0444 328045 2003-12-01	MCMURRAY SS
0444 328046 2003-12-01	MCMURRAY TT
0444 328048 2010-04-01	MCMURRAY VV
0444 328049 2003-12-01	MCMURRAY WW
0444 328051 2003-12-01	MCMURRAY YY
0444 328601 2003-12-01	MCMURRAY AAA
0444 328602 2010-04-01	MCMURRAY BBB

POOL DESIGNATION (cont'd)

0444 328603 2004-05-01	MCMURRAY CCC
0444 328604 2006-01-01	MCMURRAY DDD
0444 328606 2003-12-01	MCMURRAY FFF
0444 328607 2003-12-01	MCMURRAY GGG
0444 328609 2004-01-01	MCMURRAY III
0444 328611 2003-12-01	MCMURRAY KKK
0444 328612 2010-04-01	MCMURRAY LLL
0444 328614 2003-12-01	MCMURRAY NNN
0444 328617 2004-01-01	MCMURRAY QQQ
0444 328619 2010-04-01	MCMURRAY SSS
0444 328621 2010-04-01	MCMURRAY UUU
0444 328625 2004-01-01	MCMURRAY YYY
0444 328630 2003-12-01	MCMURRAY D2D
0444 328631 2003-12-01	MCMURRAY E2E
0444 328632 2010-04-01	MCMURRAY F2F
0444 328633 2003-12-01	MCMURRAY G2G
0444 328634 2003-12-01	MCMURRAY H2H
0444 328637 2003-12-01	MCMURRAY K2K
0444 328638 2003-12-01	MCMURRAY L2L
0444 328641 2003-12-01	MCMURRAY O2O
0444 328642 2004-01-01	MCMURRAY P2P
0444 328644 2004-01-01	MCMURRAY R2R
0444 328645 2004-08-01	MCMURRAY S2S
0444 328646 2004-01-01	MCMURRAY T2T
0444 328647 2004-01-01	MCMURRAY U2U
0444 328648 2010-04-01	MCMURRAY V2V
0444 328649 2004-01-01	MCMURRAY W2W
0444 328650 2004-02-01	MCMURRAY X2X
0444 328651 2004-08-01	MCMURRAY Y2Y
0444 328652 2010-04-01	MCMURRAY Z2Z
0444 328901 2004-01-01	MCMURRAY A3A
0444 328902 2004-01-01	MCMURRAY B3B
0444 328903 2004-01-01	MCMURRAY C3C
0444 328904 2004-01-01	MCMURRAY D3D
0444 328906 2004-01-01	MCMURRAY F3F
0444 328907 2004-01-01	MCMURRAY G3G
0444 328908 2004-02-01	MCMURRAY H3H
0444 328909 2004-08-01	MCMURRAY I3I

POOL DESIGNATION (cont'd)

0444 328910	2010-04-01	MCMURRAY J3J
0444 328911	2010-04-01	MCMURRAY K3K
0444 328912	2006-03-01	MCMURRAY L3L
0444 328913	2006-03-01	MCMURRAY M3M
0444 328915	2006-03-01	MCMURRAY O3O
0444 328916	2007-02-01	MCMURRAY P3P
0444 328917	2007-07-01	MCMURRAY Q3Q
0444 328918	2008-12-01	MCMURRAY R3R
0444 328919	2008-12-01	MCMURRAY S3S
0444 328920	2009-04-01	MCMURRAY T3T
0444 328921	2009-04-01	MCMURRAY U3U
0444 328922	2011-09-01	MCMURRAY V3V

SPACING PATTERN

SU 2642	17 Apr 1996
SU 2642A	10 Sep 2004
SU 2642B	24 May 2005
SU 2642C	26 Apr 2007

COMMINGLED PRODUCTION

MU 6899	15 Jul 2008
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SUBSURFACE DISPOSAL SCHEMES

App 8363B 16 Sep 2014
Class II
Canadian Natural Resources Limited

FIELD DESIGNATION

0445 2001-02-01 HANLAN FIELD

POOL DESIGNATION

0445 126001 2001-02-01 BELLY RIVER A

0445 176001 2001-02-01 CARDIUM A

0445 176002 2011-12-01 CARDIUM B

0445 176003 2007-07-01 CARDIUM C

0445 176004 2010-04-01 CARDIUM D

0445 176005 2008-11-01 CARDIUM E

0445 176006 2008-11-01 CARDIUM F

0445 176007 2009-01-01 CARDIUM G

0445 176008 2009-01-01 CARDIUM H

0445 176009 2012-02-01 CARDIUM I

0445 176010 2013-04-01 CARDIUM J

0445 176011 2014-07-01 CARDIUM K

0445 186001 2013-12-01 SECOND WHITE SPECKS A

0445 218001 2011-03-01 VIKING A

0445 218002 2011-12-01 VIKING B

0445 250001 2011-03-01 UPPER MANNVILLE A

0445 250002 2011-03-01 UPPER MANNVILLE B

0445 250003 2011-12-01 UPPER MANNVILLE C

0445 250004 2011-12-01 UPPER MANNVILLE D

0445 316001 2011-03-01 OSTRACOD A

0445 316002 2011-12-01 OSTRACOD B

0445 336001 2011-03-01 ELLERSLIE A

0445 336002 2011-12-01 ELLERSLIE B

0445 432001 2011-03-01 ROCK CREEK A

0445 432002 2013-03-01 ROCK CREEK B

POOL DESIGNATION (cont'd)

0445 670001	2004-12-01	WINTERBURN A
0445 670002	2001-02-01	WINTERBURN B
0445 696001	2007-11-01	NISKU A
0445 696002	2009-01-01	NISKU B
0445 744001	2010-04-01	BEAVERHILL LAKE A
0445 744002	2010-04-01	BEAVERHILL LAKE B
0445 744004	2009-10-01	BEAVERHILL LAKE D

SPACING PATTERN

SU 3048	23 Aug 2001
SU 3048A	6 May 2004
SU 3048B	6 Aug 2004
SU 3048C	13 Jul 2006

COMMINGLED PRODUCTION

MU 7377	26 Jan 2010
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FIELD DESIGNATION

0446 2014-03-01 HANNA FIELD

POOL DESIGNATION

0446 126001 2017-09-01 BELLY RIVER A

0446 164001 2007-02-01 MEDICINE HAT A

0446 186006 2008-12-01 SECOND WHITE SPECKS F

0446 218001 2001-02-01 VIKING A

0446 218002 2010-04-01 VIKING B

0446 218003 2001-02-01 VIKING C

0446 218004 2001-02-01 VIKING D

0446 218005 2001-02-01 VIKING E

0446 218006 2007-07-01 VIKING F

0446 218007 2012-08-01 VIKING G

0446 218008 2014-03-01 VIKING H

0446 218009 2017-10-01 VIKING I

0446 242001 2001-02-01 BASAL COLORADO A

0446 250001 2006-06-01 UPPER MANNVILLE A

0446 250002 2010-05-01 UPPER MANNVILLE B

0446 250005 2005-07-01 UPPER MANNVILLE E

0446 250006 2001-02-01 UPPER MANNVILLE F

0446 250007 2013-04-01 UPPER MANNVILLE G

0446 250008 2007-06-01 UPPER MANNVILLE H

0446 250009 2004-10-01 UPPER MANNVILLE I

0446 250010 2007-05-01 UPPER MANNVILLE J

0446 250011 2007-07-01 UPPER MANNVILLE K

0446 250012 2009-05-01 UPPER MANNVILLE L

0446 250013 2013-11-01 UPPER MANNVILLE M

0446 250014 2014-03-01 UPPER MANNVILLE N

0446 250015 2014-03-01 UPPER MANNVILLE O

0446 250016 2014-03-01 UPPER MANNVILLE P

POOL DESIGNATION (cont'd)

0446 310006 2009-07-01 LOWER MANNVILLE F
0446 310008 2001-02-01 LOWER MANNVILLE H
0446 310009 2006-07-01 LOWER MANNVILLE I
0446 310010 2001-02-01 LOWER MANNVILLE J
0446 310011 2001-02-01 LOWER MANNVILLE K
0446 310012 2001-02-01 LOWER MANNVILLE L
0446 310013 2001-02-01 LOWER MANNVILLE M
0446 310014 2001-02-01 LOWER MANNVILLE N
0446 310015 2003-09-01 LOWER MANNVILLE O
0446 310016 2007-05-01 LOWER MANNVILLE P
0446 310017 2007-11-01 LOWER MANNVILLE Q
0446 310018 2007-07-01 LOWER MANNVILLE R
0446 310019 2014-03-01 LOWER MANNVILLE S

0446 644001 2011-06-01 BANFF A
0446 644002 2002-09-01 BANFF B
0446 644003 2004-10-01 BANFF C
0446 644004 2006-11-01 BANFF D
0446 644005 2010-04-01 BANFF E
0446 644006 2010-04-01 BANFF F
0446 644007 2007-08-01 BANFF G
0446 644009 2009-07-01 BANFF I

0446 852700 2015-01-01 MFP8527 2WS

SPACING PATTERN

SU 4326 21 Apr 2006
SU 4326A 26 Jun 2006

COMMINGLED PRODUCTION

MU 8607 12 Mar 2014

FIELD DESIGNATION

0439 2010-11-01 HARDY FIELD

POOL DESIGNATION

0439 262001 2004-01-01 GRAND RAPIDS A

0439 280001 2003-10-01 CLEARWATER A
0439 280002 2001-02-01 CLEARWATER B
0439 280003 2010-04-01 CLEARWATER C
0439 280004 2010-04-01 CLEARWATER D
0439 280005 2001-02-01 CLEARWATER E
0439 280006 2007-05-01 CLEARWATER F
0439 280007 2001-02-01 CLEARWATER G
0439 280008 2010-04-01 CLEARWATER H
0439 280009 2003-10-01 CLEARWATER I
0439 280010 2001-03-01 CLEARWATER J
0439 280011 2004-01-01 CLEARWATER K
0439 280012 2001-03-01 CLEARWATER L
0439 280013 2001-10-01 CLEARWATER M
0439 280014 2002-05-01 CLEARWATER N
0439 280015 2002-05-01 CLEARWATER O
0439 280016 2010-11-01 CLEARWATER P
0439 280017 2004-01-01 CLEARWATER Q
0439 280018 2004-01-01 CLEARWATER R
0439 280019 2004-09-01 CLEARWATER S
0439 280020 2005-10-01 CLEARWATER T
0439 280021 2010-05-01 CLEARWATER U
0439 280022 2010-11-01 CLEARWATER V
0439 280023 2010-11-01 CLEARWATER W

0439 306001 2003-12-01 WABISKAW A
0439 306004 2003-12-01 WABISKAW D
0439 306006 2002-10-01 WABISKAW F
0439 306007 2004-01-01 WABISKAW G
0439 306012 2004-01-01 WABISKAW L
0439 306014 2006-03-01 WABISKAW N

POOL DESIGNATION (cont'd)

0439 306015 2006-05-01	WABISKAW O
0439 306201 2010-05-01	WABISKAW-MCMURRAY A
0439 328001 2010-04-01	MCMURRAY A
0439 328010 2010-04-01	MCMURRAY J
0439 328012 2012-05-01	MCMURRAY L
0439 328014 2001-02-01	MCMURRAY N
0439 328015 2011-11-01	MCMURRAY O
0439 328017 2005-11-01	MCMURRAY Q
0439 328020 2001-02-01	MCMURRAY T
0439 328022 2010-04-01	MCMURRAY V
0439 328023 2001-02-01	MCMURRAY W
0439 328024 2001-02-01	MCMURRAY X
0439 328026 2010-04-01	MCMURRAY Z
0439 328030 2001-02-01	MCMURRAY DD
0439 328034 2010-11-01	MCMURRAY HH
0439 328039 2003-12-01	MCMURRAY MM
0439 328041 2003-09-01	MCMURRAY OO
0439 328042 2010-04-01	MCMURRAY PP
0439 328043 2004-01-01	MCMURRAY QQ
0439 328045 2004-01-01	MCMURRAY SS
0439 328046 2004-01-01	MCMURRAY TT
0439 328050 2004-01-01	MCMURRAY XX
0439 328051 2004-01-01	MCMURRAY YY
0439 328052 2004-01-01	MCMURRAY ZZ
0439 328601 2008-11-01	MCMURRAY AAA
0439 328602 2009-06-01	MCMURRAY BBB
0439 328603 2010-11-01	MCMURRAY CCC
0439 328604 2011-11-01	MCMURRAY DDD
0439 328605 2011-11-01	MCMURRAY EEE
0439 328606 2011-11-01	MCMURRAY FFF
0439 328607 2011-11-01	MCMURRAY GGG
0439 328608 2011-11-01	MCMURRAY HHH

SPACING PATTERN

SU 2677 13 Mar 1996

SU 2677A 7 Aug 2007

COMMINGLED PRODUCTION

MU 6605 19 Jun 2007

SUBSURFACE DISPOSAL SCHEMES

App 7143B 12 Dec 2011

Class II

MEG Energy Corp.

App 9587 15 Sep 2003

Class II

Canadian Natural Resources Limited

FIELD DESIGNATION

0448 2016-09-01 HARMATTAN EAST FIELD

POOL DESIGNATION

0448 176003 2015-03-01 CARDIUM C
0448 176010 2013-07-01 CARDIUM J
0448 176015 2013-12-01 CARDIUM O

0448 186001 2010-06-01 SECOND WHITE SPECKS A

0448 218003 2001-02-01 VIKING C
0448 218005 2012-07-01 VIKING E
0448 218010 2013-07-01 VIKING J
0448 218011 2001-05-01 VIKING K
0448 218015 2012-05-01 VIKING O
0448 218016 2009-05-01 VIKING P
0448 218017 2011-11-01 VIKING Q
0448 218020 2011-10-01 VIKING T
0448 218021 2012-01-01 VIKING U
0448 218022 2016-04-01 VIKING V
0448 218023 2013-10-01 VIKING W
0448 218024 2013-12-01 VIKING X

0448 244000 2001-02-01 BLAIRMORE

0448 300003 2009-08-01 GLAUCONITIC C
0448 300004 2010-04-01 GLAUCONITIC D
0448 300005 2010-04-01 GLAUCONITIC E
0448 300006 2010-04-01 GLAUCONITIC F
0448 300007 2009-08-01 GLAUCONITIC G
0448 300008 2010-05-01 GLAUCONITIC H

0448 310001 2008-05-01 LOWER MANNVILLE A
0448 310002 2001-02-01 LOWER MANNVILLE B
0448 310003 2010-04-01 LOWER MANNVILLE C
0448 310004 2010-04-01 LOWER MANNVILLE D

POOL DESIGNATION (cont'd)

0448 316001 2010-04-01	OSTRACOD A
0448 316003 2007-01-01	OSTRACOD C
0448 336001 2012-08-01	ELLERSLIE A
0448 336002 2007-08-01	ELLERSLIE B
0448 336003 2001-02-01	ELLERSLIE C
0448 336004 2009-07-01	ELLERSLIE D
0448 336005 2012-08-01	ELLERSLIE E
0448 336006 2005-02-01	ELLERSLIE F
0448 336007 2010-04-01	ELLERSLIE G
0448 336008 2010-04-01	ELLERSLIE H
0448 336009 2006-03-01	ELLERSLIE I
0448 336010 2010-04-01	ELLERSLIE J
0448 336011 2006-04-01	ELLERSLIE K
0448 336012 2007-04-01	ELLERSLIE L
0448 336013 2007-07-01	ELLERSLIE M
0448 336014 2007-07-01	ELLERSLIE N
0448 336015 2008-04-01	ELLERSLIE O
0448 336016 2007-07-01	ELLERSLIE P
0448 336017 2007-07-01	ELLERSLIE Q
0448 336018 2008-02-01	ELLERSLIE R
0448 336019 2010-04-01	ELLERSLIE S
0448 336020 2008-05-01	ELLERSLIE T
0448 336021 2012-08-01	ELLERSLIE U
0448 336022 2012-02-01	ELLERSLIE V
0448 336023 2013-11-01	ELLERSLIE W
0448 336024 2013-03-01	ELLERSLIE X
0448 336025 2009-02-01	ELLERSLIE Y
0448 336026 2009-09-01	ELLERSLIE Z
0448 336027 2012-08-01	ELLERSLIE AA
0448 336029 2009-07-01	ELLERSLIE CC
0448 336030 2009-08-01	ELLERSLIE DD
0448 336031 2010-01-01	ELLERSLIE EE
0448 336032 2010-05-01	ELLERSLIE FF
0448 336033 2010-06-01	ELLERSLIE GG
0448 336034 2010-09-01	ELLERSLIE HH
0448 336035 2010-08-01	ELLERSLIE II
0448 336036 2012-01-01	ELLERSLIE JJ

POOL DESIGNATION (cont'd)

0448 336037 2012-07-01	ELLERSLIE KK
0448 336038 2013-03-01	ELLERSLIE LL
0448 336039 2013-12-01	ELLERSLIE MM
0448 336040 2013-12-01	ELLERSLIE NN
0448 432002 2011-06-01	ROCK CREEK B
0448 432003 2012-01-01	ROCK CREEK C
0448 444001 2011-03-01	NORDEGG A
0448 444002 2004-02-01	NORDEGG B
0448 610000 2010-11-01	RUNDLE
0448 610003 2001-02-01	RUNDLE C
0448 610004 2007-08-01	RUNDLE D
0448 610005 2001-03-01	RUNDLE E
0448 610006 2004-02-01	RUNDLE F
0448 610007 2007-01-01	RUNDLE G
0448 610008 2007-10-01	RUNDLE H
0448 610009 2010-06-01	RUNDLE I
0448 610010 2009-03-01	RUNDLE J
0448 610011 2011-08-01	RUNDLE K

SPACING PATTERN

SU 2375	23 Nov 1995
SU 2375A	19 Jan 1999
SU 2375B	21 Feb 2001
SU 2375C	24 Jun 2003
SU 2375D	26 Aug 2004
SU 2375E	27 Sep 2004
SU 2375F	29 Mar 2005
SU 2375G	23 Apr 2005
SU 2375H	29 Mar 2007
SU 2375I	26 Jul 2007

MISCELLANEOUS ORDERS

MISC 9054 4 Jan 1991
Concurrent production
Viking E
Mobil Oil Canada

COMMINGLED PRODUCTION

MU 8595 7 Mar 2014

GAS CYCLING

App 4156 4 Apr 1984

GAS CYCLING (cont'd)

App 4156A 3 Aug 2000
By gas blowdown
Rundle
Mobil Oil Canada Ltd.

ENHANCED RECOVERY SCHEMES

App 431 12 Jul 1961
App 431A 5 Oct 1971
App 431B 1 Dec 1961
App 431C 11 Jan 1962
App 431D 19 Apr 1962
App 431E 3 May 1962
App 431F 30 Oct 1962
App 431G 29 Nov 1962
App 431H 31 Dec 1962
App 431I 27 Jul 1964
App 431J 3 Aug 2000
Waterflood
Rundle
Mobil Oil Canada Ltd.

App 8081G 11 Oct 2016
Waterflood
Rundle
ExxonMobil Canada Ltd.

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

App 10628E 17 Oct 2016
Waterflood
Viking E
TriAxon Oil Operations Ltd.

CONCURRENT PRODUCTION

App 1761 2 Jun 1972
App 1761A 30 Jul 1981
App 1761B 3 Aug 2000
Rundle
Mobil Oil Canada, Ltd.

COMPULSORY POOLING

P 372 1 Oct 2008
P 372A 16 Mar 2010
Gas
21-031-03W5
Bonavista Petroleum Ltd.
P 373 1 Oct 2008
Oil
21-031-03W5
Bonavista Petroleum Ltd.

FIELD DESIGNATION

0450 2013-09-01 HARMATTAN-ELKTON FIELD

POOL DESIGNATION

0450 126001 2001-02-01 BELLY RIVER A

0450 176002 2010-04-01 CARDIUM B
0450 176003 2010-04-01 CARDIUM C
0450 176004 2009-08-01 CARDIUM D
0450 176006 2009-01-01 CARDIUM F
0450 176007 2010-04-01 CARDIUM G
0450 176008 2005-11-01 CARDIUM H
0450 176010 2008-03-01 CARDIUM J
0450 176011 2010-04-01 CARDIUM K
0450 176013 2010-04-01 CARDIUM M
0450 176015 2007-01-01 CARDIUM O
0450 176016 2006-09-01 CARDIUM P
0450 176017 2007-02-01 CARDIUM Q
0450 176018 2007-01-01 CARDIUM R
0450 176019 2014-11-01 CARDIUM S
0450 176021 2010-04-01 CARDIUM U
0450 176022 2010-04-01 CARDIUM V
0450 176023 2010-04-01 CARDIUM W
0450 176024 2010-04-01 CARDIUM X
0450 176025 2008-12-01 CARDIUM Y
0450 176026 2008-12-01 CARDIUM Z
0450 176027 2009-01-01 CARDIUM AA
0450 176028 2009-09-01 CARDIUM BB

0450 186001 2005-02-01 SECOND WHITE SPECKS A

0450 218001 2004-06-01 VIKING A
0450 218002 2010-09-01 VIKING B
0450 218003 2013-03-01 VIKING C

0450 250001 2004-02-01 UPPER MANNVILLE A

POOL DESIGNATION (cont'd)

0450 250002 2016-01-01 UPPER MANNVILLE B

0450 316001 2004-10-01 OSTRACOD A

0450 316002 2004-03-01 OSTRACOD B

0450 336001 2013-08-01 ELLERSLIE A

0450 336002 2004-10-01 ELLERSLIE B

0450 336003 2004-09-01 ELLERSLIE C

0450 336004 2008-02-01 ELLERSLIE D

0450 336005 2008-05-01 ELLERSLIE E

0450 336006 2011-08-01 ELLERSLIE F

0450 336007 2008-05-01 ELLERSLIE G

0450 336008 2008-09-01 ELLERSLIE H

0450 336009 2009-03-01 ELLERSLIE I

0450 336010 2009-03-01 ELLERSLIE J

0450 336011 2010-06-01 ELLERSLIE K

0450 336012 2013-03-01 ELLERSLIE L

0450 336013 2013-11-01 ELLERSLIE M

0450 336014 2016-01-01 ELLERSLIE N

0450 432001 2004-10-01 ROCK CREEK A

0450 610001 2010-04-01 RUNDLE A

0450 610002 2010-04-01 RUNDLE B

0450 610003 2010-04-01 RUNDLE C

0450 610004 2001-03-01 RUNDLE D

0450 720001 2010-04-01 D-3 A

SPACING PATTERN

SU 2264 7 Jun 1995

SU 2264A 27 Jun 1995

SU 2264B 15 Jul 2005

SU 2264C 15 Oct 2007

COMMINGLED PRODUCTION

MU 8596 7 Mar 2014

GAS CYCLING AND CONCURRENT PRODUCTION

App 3967 30 Sep 1983

**GAS CYCLING AND CONCURRENT
PRODUCTION (cont'd)**

App 3967A 13 Feb 1985

App 3967B 22 Nov 1989

App 3967C 19 Aug 1991
Rundle C
Mobil Oil Canada

ENHANCED RECOVERY SCHEMES

App 7057B 13 May 2015
Waterflood
Rundle C
ExxonMobil Canada Ltd.

SUBSURFACE DISPOSAL SCHEMES

App 6326 4 Dec 1990

App 6326A 2 Jul 1992

App 6326B 29 Jan 2013

App 6326C 3 Jul 2013
Disposal
ExxonMobil Canada Resources Company

App 6857A 22 Jan 2013
Class II
Mobil Oil Canada Ltd.

App 12385A 16 Mar 2017
Class II & Ib
AltaGas Ltd.

FIELD DESIGNATION

1107 2005-11-01 HARMON VALLEY FIELD

POOL DESIGNATION

1107 228001 2010-04-01 PEACE RIVER A

1107 232001 2004-09-01 CADOTTE A

1107 264001 2010-04-01 SPIRIT RIVER A

1107 264002 2007-05-01 SPIRIT RIVER B

1107 264003 2010-04-01 SPIRIT RIVER C

1107 264004 2003-11-01 SPIRIT RIVER D

1107 264005 2004-09-01 SPIRIT RIVER E

1107 264006 2005-02-01 SPIRIT RIVER F

1107 264007 2006-02-01 SPIRIT RIVER G

1107 264008 2006-10-01 SPIRIT RIVER H

1107 264009 2007-01-01 SPIRIT RIVER I

1107 264010 2007-07-01 SPIRIT RIVER J

1107 264011 2007-07-01 SPIRIT RIVER K

1107 264012 2008-02-01 SPIRIT RIVER L

1107 264013 2008-02-01 SPIRIT RIVER M

1107 264015 2010-02-01 SPIRIT RIVER O

1107 264016 2011-10-01 SPIRIT RIVER P

1107 266001 2008-03-01 NOTIKWIN A

1107 266002 2008-03-01 NOTIKWIN B

1107 304001 2007-07-01 BLUESKY A

1107 304002 2007-07-01 BLUESKY B

1107 304003 2004-01-01 BLUESKY C

1107 304004 2004-07-01 BLUESKY D

1107 304005 2004-08-01 BLUESKY E

1107 304006 2004-07-01 BLUESKY F

1107 304007 2006-07-01 BLUESKY G

1107 304008 2007-07-01 BLUESKY H

POOL DESIGNATION (cont'd)

1107 326001	2004-03-01	GETHING A
1107 326002	2004-08-01	GETHING B
1107 326003	2010-04-01	GETHING C
1107 326004	2005-08-01	GETHING D
1107 326005	2006-03-01	GETHING E
1107 326006	2007-07-01	GETHING F
1107 326007	2008-05-01	GETHING G
1107 326008	2010-11-01	GETHING H
1107 326009	2014-07-01	GETHING I

1107 658001 2008-10-01 D-1 A

SPACING PATTERN

SU 2388 9 Nov 1995

COMMINGLED PRODUCTION

MU 7383 9 Feb 2010

SUBSURFACE DISPOSAL SCHEMES

App 10727B 21 Sep 2017
Class II
Obsidian Energy Ltd.

FIELD DESIGNATION

0452 2014-12-01 HARO FIELD

POOL DESIGNATION

0452 304001 2011-12-01 BLUESKY A
0452 304007 2006-08-01 BLUESKY G
0452 304008 2014-02-01 BLUESKY H
0452 304009 2001-02-01 BLUESKY I
0452 304010 2001-03-01 BLUESKY J
0452 304011 2001-03-01 BLUESKY K
0452 304012 2001-06-01 BLUESKY L
0452 304013 2001-06-01 BLUESKY M
0452 304014 2003-02-01 BLUESKY N
0452 304015 2005-02-01 BLUESKY O
0452 304016 2006-08-01 BLUESKY P
0452 304018 2006-09-01 BLUESKY R
0452 304019 2006-09-01 BLUESKY S
0452 304020 2014-02-01 BLUESKY T

0452 642001 2001-02-01 PEKISKO A
0452 642002 2001-02-01 PEKISKO B
0452 642003 2001-02-01 PEKISKO C
0452 642004 2010-04-01 PEKISKO D
0452 642005 2001-02-01 PEKISKO E
0452 642006 2006-07-01 PEKISKO F
0452 642007 2003-02-01 PEKISKO G
0452 642009 2010-04-01 PEKISKO I
0452 642010 2004-09-01 PEKISKO J
0452 642012 2005-04-01 PEKISKO L
0452 642014 2006-03-01 PEKISKO N
0452 642015 2006-06-01 PEKISKO O
0452 642016 2010-07-01 PEKISKO P
0452 642017 2009-04-01 PEKISKO Q
0452 642018 2010-04-01 PEKISKO R
0452 642019 2007-12-01 PEKISKO S
0452 642020 2008-01-01 PEKISKO T

POOL DESIGNATION (cont'd)

0452 642021 2010-04-01	PEKISKO U
0452 642022 2009-03-01	PEKISKO V
0452 642024 2009-02-01	PEKISKO X
0452 642026 2012-06-01	PEKISKO Z
0452 642027 2010-03-01	PEKISKO AA
0452 642028 2011-09-01	PEKISKO BB
0452 642029 2017-11-01	PEKISKO CC
0452 642030 2011-11-01	PEKISKO DD
0452 642031 2013-04-01	PEKISKO EE
0452 644002 2010-04-01	BANFF B
0452 644003 2014-02-01	BANFF C
0452 644006 2001-02-01	BANFF F
0452 644007 2001-02-01	BANFF G
0452 644008 2001-02-01	BANFF H
0452 644009 2003-04-01	BANFF I
0452 644010 2003-01-01	BANFF J
0452 644011 2005-04-01	BANFF K
0452 644012 2003-09-01	BANFF L
0452 644013 2010-04-01	BANFF M
0452 644014 2010-04-01	BANFF N
0452 644015 2006-08-01	BANFF O
0452 644016 2006-10-01	BANFF P
0452 644017 2008-12-01	BANFF Q
0452 644018 2011-06-01	BANFF R
0452 743501 2014-12-01	MUSKWA A
0452 772101 2008-06-01	KEG RIVER A
0452 772102 2008-06-01	KEG RIVER B
0452 772103 2010-04-01	KEG RIVER C
0452 772104 2008-06-01	KEG RIVER D
0452 851500 2010-04-01	MFP8515 BANFF

SPACING PATTERN

SU 3018 7 Feb 2001
SU 3018A 21 Mar 2001
SU 3018B 22 Nov 2002

COMMINGLED PRODUCTION

MU 6921 15 Jul 2008

SUBSURFACE DISPOSAL SCHEMES

App 10849E 10 May 2013
Class II
Pace Oil & Gas Ltd.

App 10850A 12 Sep 2017
Class II
Obsidian Energy Ltd.

FIELD DESIGNATION

1109 2003-09-01 HARPER FIELD

POOL DESIGNATION

1109 716001 2011-05-01 GROSMONT A
1109 716002 2010-04-01 GROSMONT B
1109 716003 2003-09-01 GROSMONT C
1109 716004 2006-05-01 GROSMONT D
1109 716005 2007-07-01 GROSMONT E

FIELD DESIGNATION

0451 2001-02-01 HARTELL FIELD

POOL DESIGNATION

0451 244002 2010-04-01 BLAIRMORE B

0451 610001 2001-02-01 RUNDLE A

FIELD DESIGNATION

0453 2001-02-01 HASTINGS FIELD

POOL DESIGNATION

0453 126001 2001-02-01 BELLY RIVER A

0453 126002 2001-02-01 BELLY RIVER B

0453 126003 2001-02-01 BELLY RIVER C

0453 126004 2004-05-01 BELLY RIVER D

0453 250001 2001-02-01 UPPER MANNVILLE A

0453 250002 2002-08-01 UPPER MANNVILLE B

0453 300001 2001-02-01 GLAUCONITIC A

0453 300002 2001-02-01 GLAUCONITIC B

0453 336001 2001-02-01 ELLERSLIE A

FIELD DESIGNATION

0455 2009-02-01 HAYNES FIELD

POOL DESIGNATION

0455 126002 2012-03-01 BELLY RIVER B
0455 134001 2011-12-01 BASAL BELLY RIVER A
0455 300001 2001-02-01 GLAUCONITIC A
0455 300002 2006-10-01 GLAUCONITIC B
0455 300003 2001-02-01 GLAUCONITIC C
0455 300006 2003-10-01 GLAUCONITIC F
0455 336001 2001-02-01 ELLERSLIE A
0455 336002 2001-02-01 ELLERSLIE B
0455 336003 2001-02-01 ELLERSLIE C
0455 336004 2002-10-01 ELLERSLIE D
0455 696001 2014-05-01 D-2 A
0455 696002 2001-09-01 D-2 B
0455 720001 2010-08-01 D-3 A
0455 720002 2010-04-01 D-3 B
0455 720003 2004-06-01 D-3 C
0455 720004 2010-04-01 D-3 D
0455 850900 2011-10-01 MFP8509 BELLY RIVER

SPACING PATTERN

SU 4176 6 May 2004
SU 4176A 10 Dec 2004
SU 4176B 1 Feb 2005
SU 4176C 4 Aug 2005
SU 4176D 2 Nov 2005
SU 4176E 2 Mar 2006

COMMINGLED PRODUCTION

MU 8261 6 Dec 2011

SUBSURFACE DISPOSAL SCHEMES

App 11042C 16 Oct 2013
Class II
Enhance Energy Inc.

FIELD DESIGNATION

0456 2015-12-01 HAYS FIELD

POOL DESIGNATION

0456 160001 2006-02-01 COLORADO A

0456 164001 2006-02-01 MEDICINE HAT A

0456 186001 2006-02-01 SECOND WHITE SPECKS A

0456 186002 2009-11-01 SECOND WHITE SPECKS B

0456 213001 2001-02-01 BOW ISLAND A

0456 213002 2002-06-01 BOW ISLAND B

0456 213004 2005-02-01 BOW ISLAND D

0456 213005 2010-04-01 BOW ISLAND E

0456 300001 2012-01-01 GLAUCONITIC A

0456 300003 2001-02-01 GLAUCONITIC C

0456 300004 2001-02-01 GLAUCONITIC D

0456 300005 2010-12-01 GLAUCONITIC E

0456 300006 2012-09-01 GLAUCONITIC F

0456 310001 2010-04-01 LOWER MANNVILLE A

0456 310007 2011-11-01 LOWER MANNVILLE G

0456 310009 2001-02-01 LOWER MANNVILLE I

0456 310013 2001-02-01 LOWER MANNVILLE M

0456 310015 2011-09-01 LOWER MANNVILLE O

0456 310016 2001-02-01 LOWER MANNVILLE P

0456 310017 2001-02-01 LOWER MANNVILLE Q

0456 310019 2001-02-01 LOWER MANNVILLE S

0456 310020 2001-02-01 LOWER MANNVILLE T

0456 310021 2001-02-01 LOWER MANNVILLE U

0456 310022 2001-02-01 LOWER MANNVILLE V

0456 310023 2001-02-01 LOWER MANNVILLE W

0456 310024 2001-02-01 LOWER MANNVILLE X

0456 310025 2003-11-01 LOWER MANNVILLE Y

POOL DESIGNATION (cont'd)

0456 428001	2001-02-01	SAWTOOTH A
0456 428002	2001-02-01	SAWTOOTH B
0456 428003	2001-09-01	SAWTOOTH C
0456 428004	2001-02-01	SAWTOOTH D
0456 428006	2001-02-01	SAWTOOTH F
0456 428007	2001-02-01	SAWTOOTH G
0456 428009	2003-02-01	SAWTOOTH I
0456 428011	2001-02-01	SAWTOOTH K
0456 428013	2001-02-01	SAWTOOTH M
0456 428014	2001-02-01	SAWTOOTH N
0456 428015	2001-02-01	SAWTOOTH O
0456 428016	2001-02-01	SAWTOOTH P
0456 428017	2001-02-01	SAWTOOTH Q
0456 428018	2009-01-01	SAWTOOTH R
0456 628001	2001-02-01	LIVINGSTONE A
0456 694001	2011-04-01	ARCS A
0456 694002	2010-04-01	ARCS B
0456 694003	2010-04-01	ARCS C
0456 694004	2001-02-01	ARCS D
0456 694005	2010-04-01	ARCS E
0456 694006	2012-02-01	ARCS F
0456 694008	2010-04-01	ARCS H
0456 694012	2004-12-01	ARCS L
0456 694013	2001-02-01	ARCS M
0456 694014	2001-02-01	ARCS N
0456 694016	2010-04-01	ARCS P
0456 694017	2001-02-01	ARCS Q
0456 694018	2010-02-01	ARCS R
0456 694019	2001-02-01	ARCS S
0456 694020	2001-02-01	ARCS T
0456 694021	2001-02-01	ARCS U
0456 694022	2001-02-01	ARCS V
0456 694023	2011-09-01	ARCS W
0456 694024	2011-09-01	ARCS X
0456 694025	2001-02-01	ARCS Y
0456 694027	2001-02-01	ARCS AA

POOL DESIGNATION (cont'd)

0456 694028	2001-02-01	ARCS BB
0456 694029	2001-02-01	ARCS CC
0456 694030	2001-02-01	ARCS DD
0456 694031	2001-03-01	ARCS EE
0456 694032	2003-04-01	ARCS FF
0456 694033	2010-04-01	ARCS GG
0456 694034	2004-02-01	ARCS HH
0456 694036	2004-09-01	ARCS JJ
0456 694037	2007-11-01	ARCS KK
0456 694038	2010-04-01	ARCS LL
0456 694039	2010-04-01	ARCS MM
0456 694041	2011-11-01	ARCS OO
0456 694042	2013-08-01	ARCS PP
0456 694043	2013-08-01	ARCS QQ
0456 694044	2013-08-01	ARCS RR

SPACING PATTERN

SU 4098	29 Aug 2003
SU 4098A	31 Mar 2004
SU 4098B	29 Jun 2005
SU 4098C	11 Oct 2007

COMMINGLED PRODUCTION

MU 8770	8 Dec 2015
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ENHANCED RECOVERY SCHEMES

App 6046F 3 Jun 2016
Lower Mannville A
Waterflood
Canadian Natural Resources Limited

App 6196F 23 Feb 2015
Waterflood
Lower Mannville M
Canadian Natural Resources Limited

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

App 8083B 12 Mar 2015
Waterflood
Lower Mannville G
Canadian Natural Resources Limited

App 9413E 20 Jan 2015
Waterflood
Arcs W and X
Taqa North Ltd.

App 10162F 30 Oct 2014
Waterflood
Arcs T and Y
Canadian Natural Resources Limited

App 12643 26 Jun 2017
Waterflood
Arcs B and H
Canadian Natural Resources Limited

SUBSURFACE DISPOSAL SCHEMES

App 7860C 28 Aug 2012
Class Ib
Newalta Corporation

App 9019B 7 Oct 2011
Class II
Taqa North Ltd.
Class II
Pengrowth Energy Corporation

App 10106E 23 Dec 2016
Class II
Canadian Natural Resources Limited

FIELD DESIGNATION

0457 2017-12-01 HAYTER FIELD

POOL DESIGNATION

0457 218001 2010-04-01 VIKING A
0457 218002 2001-02-01 VIKING B
0457 218003 2001-02-01 VIKING C
0457 218004 2001-02-01 VIKING D
0457 218005 2001-02-01 VIKING E
0457 218006 2001-02-01 VIKING F
0457 218007 2005-06-01 VIKING G
0457 218008 2013-02-01 VIKING H
0457 218009 2013-12-01 VIKING I

0457 250001 2005-04-01 UPPER MANNVILLE A
0457 250002 2008-10-01 UPPER MANNVILLE B
0457 250003 2018-02-01 UPPER MANNVILLE C

0457 256001 2001-02-01 COLONY A
0457 256002 2009-04-01 COLONY B
0457 256003 2001-02-01 COLONY C
0457 256004 2001-02-01 COLONY D
0457 256005 2001-03-01 COLONY E
0457 256006 2004-02-01 COLONY F
0457 256007 2006-11-01 COLONY G
0457 256008 2007-07-01 COLONY H
0457 256009 2007-12-01 COLONY I
0457 256010 2010-11-01 COLONY J

0457 268001 2001-02-01 MCLAREN A
0457 268003 2001-02-01 MCLAREN C
0457 268004 2001-02-01 MCLAREN D
0457 268005 2017-12-01 MCLAREN E
0457 268006 2005-03-01 MCLAREN F
0457 268007 2005-08-01 MCLAREN G
0457 268008 2006-09-01 MCLAREN H

POOL DESIGNATION (cont'd)

0457 268009 2008-10-01	MCLAREN I
0457 268010 2008-10-01	MCLAREN J
0457 268011 2012-11-01	MCLAREN K
0457 276001 2010-04-01	SPARKY A
0457 276002 2003-12-01	SPARKY B
0457 276003 2001-02-01	SPARKY C
0457 276004 2010-04-01	SPARKY D
0457 276005 2005-09-01	SPARKY E
0457 276007 2001-02-01	SPARKY G
0457 276008 2001-02-01	SPARKY H
0457 276009 2001-02-01	SPARKY I
0457 276011 2001-02-01	SPARKY K
0457 276012 2010-04-01	SPARKY L
0457 276013 2001-02-01	SPARKY M
0457 276014 2001-02-01	SPARKY N
0457 276015 2001-02-01	SPARKY O
0457 276016 2012-09-01	SPARKY P
0457 276018 2001-02-01	SPARKY R
0457 276019 2001-02-01	SPARKY S
0457 276023 2012-02-01	SPARKY W
0457 276024 2001-02-01	SPARKY X
0457 276025 2001-02-01	SPARKY Y
0457 276026 2007-07-01	SPARKY Z
0457 276027 2001-02-01	SPARKY AA
0457 276028 2001-02-01	SPARKY BB
0457 276029 2001-02-01	SPARKY CC
0457 276030 2001-02-01	SPARKY DD
0457 276031 2004-06-01	SPARKY EE
0457 276036 2008-10-01	SPARKY JJ
0457 276037 2009-11-01	SPARKY KK
0457 286001 2003-11-01	GENERAL PETROLEUM A
0457 286002 2001-02-01	GENERAL PETROLEUM B
0457 286003 2003-12-01	GENERAL PETROLEUM C
0457 302002 2012-12-01	CUMMINGS B
0457 302004 2001-02-01	CUMMINGS D

POOL DESIGNATION (cont'd)

0457 302010 2010-04-01 CUMMINGS J
0457 302012 2001-02-01 CUMMINGS L
0457 302013 2010-04-01 CUMMINGS M
0457 302014 2005-02-01 CUMMINGS N
0457 302015 2005-02-01 CUMMINGS O
0457 302016 2010-04-01 CUMMINGS P
0457 302018 2012-08-01 CUMMINGS R
0457 302020 2013-06-01 CUMMINGS T
0457 302021 2014-05-01 CUMMINGS U
0457 302022 2014-09-01 CUMMINGS V
0457 302023 2017-12-01 CUMMINGS W

0457 322001 2018-02-01 DINA A
0457 322004 2018-02-01 DINA D
0457 322008 2001-02-01 DINA H
0457 322009 2001-02-01 DINA I
0457 322012 2001-02-01 DINA L
0457 322014 2001-02-01 DINA N
0457 322015 2001-02-01 DINA O
0457 322016 2001-09-01 DINA P
0457 322017 2001-02-01 DINA Q
0457 322018 2001-02-01 DINA R
0457 322020 2001-02-01 DINA T
0457 322021 2012-04-01 DINA U
0457 322022 2007-04-01 DINA V
0457 322023 2015-12-01 DINA W
0457 322024 2018-02-01 DINA X

SPACING PATTERN

SU 4153 25 Feb 2004
SU 4153A 10 Jun 2004
SU 4153B 2 Sep 2004
SU 4153C 18 Mar 2005
SU 4153D 30 Nov 2005
SU 4153E 10 Aug 2006
SU 4153F 24 Nov 2006
SU 4153G 26 Mar 2007

COMMINGLED PRODUCTION

MU 8508 18 Jun 2013

GAS STORAGE SCHEMES

App 10683A 15 Oct 2012
Cummings R
Harvest Operations Corp.

ENHANCED RECOVERY SCHEMES

App 4882J 11 Aug 2015

Waterflood

Dina A

Harvest Operations Corp.

App 6023I 17 Apr 2017

Waterflood

Sparky A

West Lake Energy Corp.

App 7009G 11 Aug 2015

Waterflood

Dina A

Harvest Operations Corp.

App 8537B 8 Apr 2016

Waterflood

Sparky Z

Husky Oil Operations Limited

App 10250J 17 Apr 2017

Waterflood

Sparky W

West Lake Energy Corp.

SUBSURFACE DISPOSAL SCHEMES

App 9170C 30 Oct 2017

Class II

West Lake Energy Corp.

App 10729C 26 Nov 2012

Class II

Rife Resources Ltd.

App 11064P 5 Feb 2015

Class II

Harvest Operations Corp.

SUBSURFACE DISPOSAL SCHEMES

(cont'd)

App 11170H 23 Oct 2015

Class II

Husky Oil Operations Limited

App 12324 24 Nov 2014

Class II

Response Energy Corporation

App 12474A 9 Feb 2016

Class II

Rockeast Energy Corp.

App 12575C 18 Jan 2018

Class II

Rifle Shot Oil Corp.

App 12605A 30 Jan 2018

Class II

Cardinal Energy Ltd.

FIELD DESIGNATION

0350 2009-12-01 HEART LAKE FIELD

POOL DESIGNATION

0350 218001 2003-11-01 VIKING A
0350 218002 2001-02-01 VIKING B
0350 218003 2001-03-01 VIKING C
0350 218004 2012-02-01 VIKING D

0350 262003 2001-02-01 GRAND RAPIDS C
0350 262004 2001-02-01 GRAND RAPIDS D
0350 262005 2001-02-01 GRAND RAPIDS E
0350 262006 2001-02-01 GRAND RAPIDS F
0350 262007 2001-02-01 GRAND RAPIDS G
0350 262008 2009-03-01 GRAND RAPIDS H
0350 262009 2001-02-01 GRAND RAPIDS I
0350 262010 2001-02-01 GRAND RAPIDS J
0350 262011 2010-04-01 GRAND RAPIDS K
0350 262012 2001-02-01 GRAND RAPIDS L
0350 262013 2010-04-01 GRAND RAPIDS M
0350 262014 2009-12-01 GRAND RAPIDS N
0350 262015 2009-12-01 GRAND RAPIDS O
0350 262016 2010-04-01 GRAND RAPIDS P
0350 262017 2010-04-01 GRAND RAPIDS Q
0350 262018 2003-08-01 GRAND RAPIDS R
0350 262019 2005-02-01 GRAND RAPIDS S
0350 262020 2009-04-01 GRAND RAPIDS T

0350 328001 2001-02-01 MCMURRAY A

SPACING PATTERN

SU 4346 5 Jun 2006

FIELD DESIGNATION

0462 2006-03-01 HEART RIVER FIELD

POOL DESIGNATION

0462 230001 2001-02-01 PADDY A
0462 230002 2001-02-01 PADDY B

0462 232002 2001-02-01 CADOTTE B

0462 264001 2001-02-01 SPIRIT RIVER A
0462 264002 2001-03-01 SPIRIT RIVER B
0462 264003 2001-03-01 SPIRIT RIVER C
0462 264004 2002-06-01 SPIRIT RIVER D
0462 264005 2006-10-01 SPIRIT RIVER E
0462 264006 2006-12-01 SPIRIT RIVER F

0462 266000 2004-03-01 NOTIKWIN
0462 266003 2006-12-01 NOTIKWIN C

0462 304001 2004-08-01 BLUESKY A
0462 304003 2001-03-01 BLUESKY C
0462 304004 2001-02-01 BLUESKY D
0462 304005 2007-07-01 BLUESKY E

0462 326001 2001-02-01 GETHING A
0462 326002 2001-02-01 GETHING B
0462 326003 2002-09-01 GETHING C
0462 326004 2002-06-01 GETHING D
0462 326005 2002-09-01 GETHING E
0462 326006 2005-05-01 GETHING F

0462 765501 2008-06-01 GILWOOD A
0462 765502 2008-06-01 GILWOOD B

SPACING PATTERN

SU 2382 23 Nov 1995
SU 2382A 21 Mar 2001

COMMINGLED PRODUCTION

MU 5317 7 Mar 2006

FIELD DESIGNATION

0459 2009-05-01 HEATHDALE FIELD

POOL DESIGNATION

0459 126001 2001-02-01 BELLY RIVER A
0459 126002 2001-02-01 BELLY RIVER B
0459 126004 2001-02-01 BELLY RIVER D
0459 126005 2001-02-01 BELLY RIVER E
0459 126006 2004-07-01 BELLY RIVER F
0459 126009 2008-11-01 BELLY RIVER I
0459 126010 2010-12-01 BELLY RIVER J

0459 134001 2010-12-01 BASAL BELLY RIVER A
0459 134002 2005-06-01 BASAL BELLY RIVER B
0459 134003 2009-12-01 BASAL BELLY RIVER C
0459 134004 2010-06-01 BASAL BELLY RIVER D
0459 134005 2010-07-01 BASAL BELLY RIVER E
0459 134006 2010-09-01 BASAL BELLY RIVER F
0459 134007 2012-12-01 BASAL BELLY RIVER G

0459 158004 2008-11-01 MILK RIVER D

0459 202001 2009-04-01 FISH SCALE A
0459 202002 2009-11-01 FISH SCALE B

0459 218001 2001-02-01 VIKING A
0459 218003 2001-02-01 VIKING C
0459 218004 2010-04-01 VIKING D
0459 218005 2010-04-01 VIKING E
0459 218006 2001-02-01 VIKING F
0459 218007 2010-04-01 VIKING G
0459 218008 2001-02-01 VIKING H
0459 218009 2001-02-01 VIKING I
0459 218010 2001-02-01 VIKING J
0459 218011 2001-02-01 VIKING K
0459 218012 2001-02-01 VIKING L

POOL DESIGNATION (cont'd)

0459 218013	2010-04-01	VIKING M
0459 218014	2001-02-01	VIKING N
0459 218015	2002-09-01	VIKING O
0459 218016	2001-02-01	VIKING P
0459 218017	2001-02-01	VIKING Q
0459 218018	2001-02-01	VIKING R
0459 218019	2001-07-01	VIKING S
0459 218021	2008-08-01	VIKING U
0459 218022	2010-04-01	VIKING V
0459 218023	2009-03-01	VIKING W
0459 218024	2010-07-01	VIKING X
0459 218025	2012-12-01	VIKING Y
0459 218026	2014-01-01	VIKING Z
0459 218027	2014-02-01	VIKING AA
0459 250001	2012-01-01	UPPER MANNVILLE A
0459 250002	2001-02-01	UPPER MANNVILLE B
0459 250003	2001-02-01	UPPER MANNVILLE C
0459 250004	2001-02-01	UPPER MANNVILLE D
0459 250005	2001-09-01	UPPER MANNVILLE E
0459 250006	2001-09-01	UPPER MANNVILLE F
0459 250007	2002-09-01	UPPER MANNVILLE G
0459 250008	2010-04-01	UPPER MANNVILLE H
0459 250009	2014-06-01	UPPER MANNVILLE I
0459 250010	2016-01-01	UPPER MANNVILLE J
0459 250011	2002-10-01	UPPER MANNVILLE K
0459 250012	2002-10-01	UPPER MANNVILLE L
0459 250013	2002-12-01	UPPER MANNVILLE M
0459 250014	2002-10-01	UPPER MANNVILLE N
0459 250015	2002-10-01	UPPER MANNVILLE O
0459 250016	2002-10-01	UPPER MANNVILLE P
0459 250017	2002-10-01	UPPER MANNVILLE Q
0459 250018	2003-01-01	UPPER MANNVILLE R
0459 250019	2003-02-01	UPPER MANNVILLE S
0459 250020	2003-06-01	UPPER MANNVILLE T
0459 250021	2006-01-01	UPPER MANNVILLE U
0459 250022	2005-04-01	UPPER MANNVILLE V
0459 250023	2005-05-01	UPPER MANNVILLE W

POOL DESIGNATION (cont'd)

0459 250024 2005-05-01	UPPER MANNVILLE X
0459 250026 2005-07-01	UPPER MANNVILLE Z
0459 250027 2005-07-01	UPPER MANNVILLE AA
0459 250028 2005-08-01	UPPER MANNVILLE BB
0459 250029 2009-05-01	UPPER MANNVILLE CC
0459 250030 2005-09-01	UPPER MANNVILLE DD
0459 250032 2006-04-01	UPPER MANNVILLE FF
0459 250033 2010-04-01	UPPER MANNVILLE GG
0459 250034 2010-04-01	UPPER MANNVILLE HH
0459 250035 2010-04-01	UPPER MANNVILLE II
0459 250036 2007-05-01	UPPER MANNVILLE JJ
0459 250037 2007-05-01	UPPER MANNVILLE KK
0459 250038 2007-05-01	UPPER MANNVILLE LL
0459 250039 2007-07-01	UPPER MANNVILLE MM
0459 250040 2008-05-01	UPPER MANNVILLE NN
0459 250041 2010-04-01	UPPER MANNVILLE OO
0459 250042 2008-12-01	UPPER MANNVILLE PP
0459 250043 2008-09-01	UPPER MANNVILLE QQ
0459 250044 2008-11-01	UPPER MANNVILLE RR
0459 250045 2010-08-01	UPPER MANNVILLE SS
0459 250046 2009-01-01	UPPER MANNVILLE TT
0459 250047 2009-01-01	UPPER MANNVILLE UU
0459 250048 2009-01-01	UPPER MANNVILLE VV
0459 250049 2009-01-01	UPPER MANNVILLE WW
0459 250050 2010-04-01	UPPER MANNVILLE XX
0459 250051 2009-03-01	UPPER MANNVILLE YY
0459 250052 2009-03-01	UPPER MANNVILLE ZZ
0459 250701 2009-03-01	UPPER MANNVILLE AAA
0459 250702 2009-03-01	UPPER MANNVILLE BBB
0459 250703 2009-03-01	UPPER MANNVILLE CCC
0459 250704 2009-08-01	UPPER MANNVILLE DDD
0459 250705 2009-10-01	UPPER MANNVILLE EEE
0459 250706 2009-05-01	UPPER MANNVILLE FFF
0459 250707 2009-05-01	UPPER MANNVILLE GGG
0459 250708 2013-11-01	UPPER MANNVILLE HHH
0459 250709 2009-05-01	UPPER MANNVILLE III
0459 250710 2009-08-01	UPPER MANNVILLE JJJ
0459 250711 2009-09-01	UPPER MANNVILLE KKK

POOL DESIGNATION (cont'd)

0459 250712 2017-07-01 UPPER MANNVILLE LLL
0459 250713 2010-04-01 UPPER MANNVILLE MMM
0459 250714 2010-04-01 UPPER MANNVILLE NNN
0459 250715 2010-06-01 UPPER MANNVILLE OOO
0459 250716 2010-11-01 UPPER MANNVILLE PPP
0459 250717 2010-11-01 UPPER MANNVILLE QQQ
0459 250718 2013-03-01 UPPER MANNVILLE RRR
0459 250719 2013-06-01 UPPER MANNVILLE SSS
0459 250720 2013-11-01 UPPER MANNVILLE TTT
0459 250721 2016-08-01 UPPER MANNVILLE UUU
0459 250722 2016-03-01 UPPER MANNVILLE VVV
0459 250723 2017-07-01 UPPER MANNVILLE WWW

0459 300016 2001-04-01 GLAUCONITIC P
0459 300017 2002-10-01 GLAUCONITIC Q
0459 300018 2010-04-01 GLAUCONITIC R
0459 300019 2010-04-01 GLAUCONITIC S
0459 300020 2002-10-01 GLAUCONITIC T
0459 300021 2002-10-01 GLAUCONITIC U
0459 300022 2002-10-01 GLAUCONITIC V
0459 300023 2002-10-01 GLAUCONITIC W
0459 300024 2003-02-01 GLAUCONITIC X
0459 300025 2003-09-01 GLAUCONITIC Y
0459 300026 2003-10-01 GLAUCONITIC Z
0459 300027 2009-10-01 GLAUCONITIC AA
0459 300028 2004-07-01 GLAUCONITIC BB
0459 300029 2004-12-01 GLAUCONITIC CC
0459 300030 2016-12-01 GLAUCONITIC DD
0459 300032 2005-02-01 GLAUCONITIC FF
0459 300033 2010-08-01 GLAUCONITIC GG
0459 300035 2007-07-01 GLAUCONITIC II
0459 300036 2008-11-01 GLAUCONITIC JJ
0459 300037 2008-11-01 GLAUCONITIC KK
0459 300038 2008-11-01 GLAUCONITIC LL
0459 300039 2009-03-01 GLAUCONITIC MM
0459 300040 2009-03-01 GLAUCONITIC NN
0459 300041 2009-08-01 GLAUCONITIC OO
0459 300042 2010-04-01 GLAUCONITIC PP

POOL DESIGNATION (cont'd)

0459 300043 2013-01-01	GLAUCONITIC QQ
0459 300044 2013-06-01	GLAUCONITIC RR
0459 300045 2018-01-01	GLAUCONITIC SS
0459 310002 2010-06-01	LOWER MANNVILLE B
0459 310005 2001-02-01	LOWER MANNVILLE E
0459 310008 2001-02-01	LOWER MANNVILLE H
0459 310012 2005-07-01	LOWER MANNVILLE L
0459 310013 2009-07-01	LOWER MANNVILLE M
0459 350001 2001-02-01	DETRITAL A
0459 350002 2001-02-01	DETRITAL B
0459 350003 2001-02-01	DETRITAL C
0459 350004 2001-02-01	DETRITAL D
0459 350005 2001-05-01	DETRITAL E
0459 350006 2001-02-01	DETRITAL F
0459 350007 2001-02-01	DETRITAL G
0459 350008 2001-02-01	DETRITAL H
0459 350009 2001-02-01	DETRITAL I
0459 350010 2001-02-01	DETRITAL J
0459 350011 2001-02-01	DETRITAL K
0459 350012 2001-03-01	DETRITAL L
0459 350013 2009-05-01	DETRITAL M
0459 350014 2001-04-01	DETRITAL N
0459 350015 2001-04-01	DETRITAL O
0459 350016 2007-05-01	DETRITAL P
0459 350017 2005-08-01	DETRITAL Q
0459 350018 2005-08-01	DETRITAL R
0459 350019 2013-03-01	DETRITAL S
0459 350020 2006-07-01	DETRITAL T
0459 350021 2010-06-01	DETRITAL U
0459 350024 2008-07-01	DETRITAL X
0459 350025 2008-09-01	DETRITAL Y
0459 350026 2008-09-01	DETRITAL Z
0459 350027 2008-10-01	DETRITAL AA
0459 350028 2008-10-01	DETRITAL BB
0459 350029 2008-10-01	DETRITAL CC
0459 350030 2010-06-01	DETRITAL DD

POOL DESIGNATION (cont'd)

0459 350031	2008-11-01	DETRITAL EE
0459 350032	2008-11-01	DETRITAL FF
0459 350033	2008-11-01	DETRITAL GG
0459 350034	2009-01-01	DETRITAL HH
0459 350035	2009-05-01	DETRITAL II
0459 350036	2009-05-01	DETRITAL JJ
0459 350037	2009-05-01	DETRITAL KK
0459 350038	2009-07-01	DETRITAL LL
0459 350039	2010-11-01	DETRITAL MM
0459 350040	2010-04-01	DETRITAL NN
0459 350041	2009-12-01	DETRITAL OO
0459 350042	2010-05-01	DETRITAL PP
0459 350043	2010-10-01	DETRITAL QQ
0459 350044	2010-07-01	DETRITAL RR
0459 350045	2010-12-01	DETRITAL SS
0459 350046	2010-12-01	DETRITAL TT
0459 350047	2017-01-01	DETRITAL UU
0459 644001	2009-03-01	BANFF A
0459 853600	2010-04-01	MFP8536 MILK RIVER

SPACING PATTERN

SU 4362 21 Mar 2007

COMMINGLED PRODUCTION

MU 8076 4 Nov 2011

ENHANCED RECOVERY SCHEMES

App 10051B 20 Sep 2017
Waterflood
Upper Mannville L and Glauconitic S
Corinthian Oil Corp.

FIELD DESIGNATION

0468 2002-02-01 HECTOR FIELD

POOL DESIGNATION

0468 213001 2001-02-01 BOW ISLAND A
0468 213002 2010-04-01 BOW ISLAND B
0468 213003 2004-11-01 BOW ISLAND C
0468 213004 2010-04-01 BOW ISLAND D

0468 250001 2001-02-01 UPPER MANNVILLE A
0468 250002 2001-02-01 UPPER MANNVILLE B
0468 250003 2001-02-01 UPPER MANNVILLE C
0468 250004 2001-02-01 UPPER MANNVILLE D
0468 250005 2001-02-01 UPPER MANNVILLE E
0468 250006 2007-03-01 UPPER MANNVILLE F
0468 250007 2010-04-01 UPPER MANNVILLE G
0468 250008 2002-07-01 UPPER MANNVILLE H
0468 250009 2002-07-01 UPPER MANNVILLE I
0468 250010 2002-07-01 UPPER MANNVILLE J
0468 250011 2002-08-01 UPPER MANNVILLE K
0468 250012 2010-04-01 UPPER MANNVILLE L
0468 250013 2004-07-01 UPPER MANNVILLE M
0468 250014 2005-10-01 UPPER MANNVILLE N
0468 250015 2010-04-01 UPPER MANNVILLE O
0468 250016 2006-03-01 UPPER MANNVILLE P
0468 250017 2006-05-01 UPPER MANNVILLE Q
0468 250018 2006-07-01 UPPER MANNVILLE R
0468 250019 2006-12-01 UPPER MANNVILLE S
0468 250020 2007-07-01 UPPER MANNVILLE T
0468 250021 2009-09-01 UPPER MANNVILLE U
0468 250022 2010-02-01 UPPER MANNVILLE V
0468 250023 2010-06-01 UPPER MANNVILLE W
0468 250024 2011-10-01 UPPER MANNVILLE X
0468 250025 2011-10-01 UPPER MANNVILLE Y
0468 250026 2012-11-01 UPPER MANNVILLE Z

POOL DESIGNATION (cont'd)

0468 310001	2009-05-01	LOWER MANNVILLE A
0468 310002	2001-02-01	LOWER MANNVILLE B
0468 310003	2001-02-01	LOWER MANNVILLE C
0468 310005	2003-02-01	LOWER MANNVILLE E
0468 310007	2009-11-01	LOWER MANNVILLE G
0468 310008	2010-05-01	LOWER MANNVILLE H
0468 316001	2002-08-01	OSTRACOD A
0468 316002	2003-04-01	OSTRACOD B
0468 316003	2004-07-01	OSTRACOD C
0468 316004	2005-01-01	OSTRACOD D
0468 854300	2011-04-01	MFP8543 BSL BELLY RIV

SPACING PATTERN

SU 2380	9 Nov 1995
SU 2380A	3 Oct 2000

COMMINGLED PRODUCTION

MU 7562	5 Oct 2010
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COMPULSORY POOLING

P 202	20 Apr 2001
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Gas
09-017-17W4M
Richland Petroleum Corporation

FIELD DESIGNATION

0346 2011-09-01 HELDAR FIELD

POOL DESIGNATION

0346 126001 2001-02-01 BELLY RIVER A

0346 126002 2001-03-01 BELLY RIVER B

0346 134001 2005-06-01 BASAL BELLY RIVER A

0346 218001 2001-02-01 VIKING A

0346 218002 2001-03-01 VIKING B

0346 350001 2001-02-01 DETRITAL A

0346 444002 2010-04-01 NORDEGG B

0346 444004 2001-02-01 NORDEGG D

0346 444005 2001-02-01 NORDEGG E

0346 444006 2001-02-01 NORDEGG F

0346 444007 2001-02-01 NORDEGG G

0346 444008 2001-02-01 NORDEGG H

0346 444009 2001-02-01 NORDEGG I

0346 644001 2008-10-01 BANFF A

0346 644002 2011-09-01 BANFF B

SPACING PATTERN

SU 4137 2 Dec 2003

SU 4137A 21 Jun 2007

SUBSURFACE DISPOSAL SCHEMES

App 9847D 19 Oct 2017

Class II

Point Loma Resources Ltd.

FIELD DESIGNATION

0461 2009-07-01 HELMSDALE FIELD

POOL DESIGNATION

0461 126001 2001-02-01 BELLY RIVER A

0461 218001 2001-02-01 VIKING A

0461 218002 2003-10-01 VIKING B

0461 248001 2010-07-01 MANNVILLE A

0461 248002 2001-02-01 MANNVILLE B

0461 248003 2003-09-01 MANNVILLE C

0461 248004 2005-09-01 MANNVILLE D

0461 248005 2007-12-01 MANNVILLE E

0461 248006 2010-04-01 MANNVILLE F

0461 248007 2008-08-01 MANNVILLE G

0461 248008 2010-03-01 MANNVILLE H

0461 248009 2012-02-01 MANNVILLE I

FIELD DESIGNATION

0463 2001-02-01 HERCULES FIELD

POOL DESIGNATION

0463 126001 2001-02-01 BELLY RIVER A
0463 126002 2010-05-01 BELLY RIVER B
0463 126003 2010-05-01 BELLY RIVER C
0463 126004 2011-05-01 BELLY RIVER D

0463 218001 2010-04-01 VIKING A
0463 218002 2002-05-01 VIKING B
0463 218003 2007-10-01 VIKING C

0463 250001 2006-08-01 UPPER MANNVILLE A

0463 300001 2001-02-01 GLAUCONITIC A
0463 300002 2012-03-01 GLAUCONITIC B

0463 336002 2001-02-01 ELLERSLIE B
0463 336003 2010-04-01 ELLERSLIE C
0463 336004 2001-02-01 ELLERSLIE D
0463 336005 2012-05-01 ELLERSLIE E

0463 658001 2001-02-01 WABAMUN A
0463 658002 2001-02-01 WABAMUN B

SPACING PATTERN

SU 2656 13 Mar 1996

SUBSURFACE DISPOSAL SCHEMES

App 11583 14 Apr 2011
Class II
Jaycor Resources Inc.

COMPULSORY POOLING

P 343 11 Dec 2007
Gas
33-051-23W4M
Tiamat Resources Inc.

FIELD DESIGNATION

0467 2013-05-01 HERRONTON FIELD

POOL DESIGNATION

0467 106001 2003-09-01 EDMONTON A
0467 106002 2010-04-01 EDMONTON B
0467 106003 2010-04-01 EDMONTON C
0467 106006 2010-06-01 EDMONTON F
0467 106007 2010-06-01 EDMONTON G
0467 106008 2010-06-01 EDMONTON H

0467 118803 2011-02-01 LOWER EDMONTON C
0467 118804 2008-11-01 LOWER EDMONTON D
0467 118805 2011-04-01 LOWER EDMONTON E
0467 118807 2010-04-01 LOWER EDMONTON G
0467 118809 2010-06-01 LOWER EDMONTON I
0467 118810 2011-08-01 LOWER EDMONTON J
0467 118812 2010-06-01 LOWER EDMONTON L
0467 118815 2010-06-01 LOWER EDMONTON O
0467 118818 2011-02-01 LOWER EDMONTON R
0467 118820 2010-06-01 LOWER EDMONTON T
0467 118821 2010-06-01 LOWER EDMONTON U
0467 118826 2010-06-01 LOWER EDMONTON Z
0467 118831 2010-06-01 LOWER EDMONTON EE
0467 118833 2011-11-01 LOWER EDMONTON GG
0467 118835 2010-06-01 LOWER EDMONTON II
0467 118836 2010-06-01 LOWER EDMONTON JJ
0467 118837 2013-07-01 LOWER EDMONTON KK
0467 118839 2010-06-01 LOWER EDMONTON MM
0467 118842 2010-06-01 LOWER EDMONTON PP
0467 118844 2010-07-01 LOWER EDMONTON RR
0467 118845 2010-11-01 LOWER EDMONTON SS
0467 118846 2010-11-01 LOWER EDMONTON TT
0467 118847 2010-11-01 LOWER EDMONTON UU
0467 118850 2010-12-01 LOWER EDMONTON XX
0467 118851 2011-04-01 LOWER EDMONTON YY

POOL DESIGNATION (cont'd)

0467 118852 2011-12-01	LOWER EDMONTON ZZ
0467 119301 2011-12-01	LOWER EDMONTON AAA
0467 119302 2011-12-01	LOWER EDMONTON BBB
0467 119303 2012-01-01	LOWER EDMONTON CCC
0467 119304 2013-04-01	LOWER EDMONTON DDD
0467 119305 2014-05-01	LOWER EDMONTON EEE
0467 119306 2016-03-01	LOWER EDMONTON FFF
0467 134040 2010-06-01	BASAL BELLY RIVER NN
0467 158002 2010-06-01	MILK RIVER B
0467 158003 2010-06-01	MILK RIVER C
0467 158004 2014-04-01	MILK RIVER D
0467 162001 2011-10-01	FIRST WHITE SPECKS A
0467 164002 2007-08-01	MEDICINE HAT B
0467 164003 2010-11-01	MEDICINE HAT C
0467 202001 2010-06-01	FISH SCALE A
0467 213001 2006-12-01	BOW ISLAND A
0467 213002 2010-06-01	BOW ISLAND B
0467 213003 2010-06-01	BOW ISLAND C
0467 213004 2010-06-01	BOW ISLAND D
0467 250001 2010-06-01	UPPER MANNVILLE A
0467 300001 2010-04-01	GLAUCONITIC A
0467 300002 2003-08-01	GLAUCONITIC B
0467 300003 2010-06-01	GLAUCONITIC C
0467 300004 2010-06-01	GLAUCONITIC D
0467 300005 2011-06-01	GLAUCONITIC E
0467 300006 2010-06-01	GLAUCONITIC F
0467 300008 2010-06-01	GLAUCONITIC H
0467 300009 2010-06-01	GLAUCONITIC I
0467 300010 2010-06-01	GLAUCONITIC J
0467 300014 2010-06-01	GLAUCONITIC N

POOL DESIGNATION (cont'd)

0467 300017 2010-06-01	GLAUCONITIC Q
0467 300018 2010-06-01	GLAUCONITIC R
0467 300019 2010-06-01	GLAUCONITIC S
0467 300020 2010-06-01	GLAUCONITIC T
0467 300021 2010-06-01	GLAUCONITIC U
0467 300022 2010-06-01	GLAUCONITIC V
0467 300023 2010-06-01	GLAUCONITIC W
0467 300024 2010-06-01	GLAUCONITIC X
0467 300026 2011-05-01	GLAUCONITIC Z
0467 300027 2011-06-01	GLAUCONITIC AA
0467 300028 2012-07-01	GLAUCONITIC BB
0467 300029 2012-09-01	GLAUCONITIC CC
0467 300030 2013-01-01	GLAUCONITIC DD
0467 300031 2015-11-01	GLAUCONITIC EE
0467 300032 2014-04-01	GLAUCONITIC FF
0467 300033 2015-02-01	GLAUCONITIC GG
0467 300034 2015-02-01	GLAUCONITIC HH
0467 300035 2016-10-01	GLAUCONITIC II
0467 310001 2010-07-01	LOWER MANNVILLE A
0467 310004 2010-09-01	LOWER MANNVILLE D
0467 310005 2010-06-01	LOWER MANNVILLE E
0467 310006 2010-06-01	LOWER MANNVILLE F
0467 310007 2010-06-01	LOWER MANNVILLE G
0467 310008 2010-06-01	LOWER MANNVILLE H
0467 310009 2010-06-01	LOWER MANNVILLE I
0467 310010 2010-06-01	LOWER MANNVILLE J
0467 310011 2010-06-01	LOWER MANNVILLE K
0467 310012 2010-06-01	LOWER MANNVILLE L
0467 310013 2010-06-01	LOWER MANNVILLE M
0467 310014 2010-06-01	LOWER MANNVILLE N
0467 310015 2010-06-01	LOWER MANNVILLE O
0467 310016 2010-06-01	LOWER MANNVILLE P
0467 310017 2010-06-01	LOWER MANNVILLE Q
0467 310018 2010-06-01	LOWER MANNVILLE R
0467 310019 2010-06-01	LOWER MANNVILLE S
0467 310020 2010-06-01	LOWER MANNVILLE T
0467 310021 2010-06-01	LOWER MANNVILLE U

POOL DESIGNATION (cont'd)

0467 310022 2010-06-01 LOWER MANNVILLE V
0467 310023 2014-12-01 LOWER MANNVILLE W
0467 310024 2016-10-01 LOWER MANNVILLE X
0467 310025 2010-06-01 LOWER MANNVILLE Y
0467 310026 2012-12-01 LOWER MANNVILLE Z
0467 310027 2010-06-01 LOWER MANNVILLE AA
0467 310028 2010-06-01 LOWER MANNVILLE BB
0467 310029 2010-06-01 LOWER MANNVILLE CC
0467 310030 2010-06-01 LOWER MANNVILLE DD
0467 310031 2010-06-01 LOWER MANNVILLE EE
0467 310032 2010-06-01 LOWER MANNVILLE FF
0467 310033 2010-06-01 LOWER MANNVILLE GG
0467 310034 2010-06-01 LOWER MANNVILLE HH
0467 310035 2010-06-01 LOWER MANNVILLE II
0467 310036 2010-06-01 LOWER MANNVILLE JJ
0467 310037 2010-06-01 LOWER MANNVILLE KK
0467 310038 2010-06-01 LOWER MANNVILLE LL
0467 310039 2010-06-01 LOWER MANNVILLE MM
0467 310040 2010-06-01 LOWER MANNVILLE NN
0467 310041 2010-06-01 LOWER MANNVILLE OO
0467 310042 2010-06-01 LOWER MANNVILLE PP
0467 310043 2010-09-01 LOWER MANNVILLE QQ
0467 310044 2010-06-01 LOWER MANNVILLE RR
0467 310045 2010-07-01 LOWER MANNVILLE SS
0467 310046 2014-02-01 LOWER MANNVILLE TT

0467 336001 2001-02-01 ELLERSLIE A
0467 336002 2001-02-01 ELLERSLIE B
0467 336003 2001-02-01 ELLERSLIE C
0467 336004 2001-02-01 ELLERSLIE D
0467 336005 2011-06-01 ELLERSLIE E
0467 336006 2001-03-01 ELLERSLIE F
0467 336007 2001-02-01 ELLERSLIE G
0467 336008 2001-02-01 ELLERSLIE H
0467 336009 2001-02-01 ELLERSLIE I
0467 336010 2001-07-01 ELLERSLIE J
0467 336011 2001-10-01 ELLERSLIE K
0467 336012 2003-06-01 ELLERSLIE L

POOL DESIGNATION (cont'd)

0467 336013 2012-03-01	ELLERSLIE M
0467 336014 2005-07-01	ELLERSLIE N
0467 336015 2006-03-01	ELLERSLIE O
0467 336016 2007-03-01	ELLERSLIE P
0467 336017 2012-12-01	ELLERSLIE Q
0467 336018 2010-06-01	ELLERSLIE R
0467 336019 2010-06-01	ELLERSLIE S
0467 336020 2010-06-01	ELLERSLIE T
0467 336021 2010-06-01	ELLERSLIE U
0467 336022 2011-12-01	ELLERSLIE V
0467 336023 2012-05-01	ELLERSLIE W
0467 336024 2012-03-01	ELLERSLIE X
0467 336025 2012-04-01	ELLERSLIE Y
0467 336026 2012-10-01	ELLERSLIE Z
0467 336027 2012-09-01	ELLERSLIE AA
0467 336028 2012-11-01	ELLERSLIE BB
0467 336029 2013-04-01	ELLERSLIE CC
0467 336030 2013-03-01	ELLERSLIE DD
0467 336031 2013-03-01	ELLERSLIE EE
0467 336032 2014-05-01	ELLERSLIE FF
0467 336033 2014-01-01	ELLERSLIE GG
0467 336034 2015-09-01	ELLERSLIE HH
0467 350001 2004-06-01	DETRITAL A
0467 350002 2010-06-01	DETRITAL B
0467 610001 2010-06-01	RUNDLE A
0467 610002 2010-06-01	RUNDLE B
0467 610003 2010-06-01	RUNDLE C
0467 610004 2010-06-01	RUNDLE D
0467 610005 2010-06-01	RUNDLE E
0467 630001 2001-02-01	TURNER VALLEY A
0467 630002 2015-01-01	TURNER VALLEY B
0467 630003 2001-02-01	TURNER VALLEY C
0467 630004 2015-06-01	TURNER VALLEY D
0467 630005 2004-10-01	TURNER VALLEY E
0467 630006 2001-02-01	TURNER VALLEY F

POOL DESIGNATION (cont'd)

0467 630007 2001-02-01	TURNER VALLEY G
0467 630008 2001-02-01	TURNER VALLEY H
0467 630011 2010-04-01	TURNER VALLEY K
0467 630012 2001-02-01	TURNER VALLEY L
0467 630013 2017-09-01	TURNER VALLEY M
0467 630014 2001-02-01	TURNER VALLEY N
0467 630015 2001-02-01	TURNER VALLEY O
0467 630016 2015-01-01	TURNER VALLEY P
0467 630017 2006-08-01	TURNER VALLEY Q
0467 630018 2004-12-01	TURNER VALLEY R
0467 630019 2010-06-01	TURNER VALLEY S
0467 630020 2015-09-01	TURNER VALLEY T
0467 630021 2010-06-01	TURNER VALLEY U
0467 630022 2010-06-01	TURNER VALLEY V
0467 630023 2010-06-01	TURNER VALLEY W
0467 630024 2010-06-01	TURNER VALLEY X
0467 630025 2010-06-01	TURNER VALLEY Y
0467 630026 2010-06-01	TURNER VALLEY Z
0467 642001 2010-06-01	PEKISKO A
0467 658001 2010-06-01	WABAMUN A
0467 658002 2010-06-01	WABAMUN B
0467 850200 2012-08-01	MFP8502 MED HAT
0467 850600 2011-08-01	MFP8506 BELLY RIVER
0467 854300 2011-08-01	MFP8543 BSL BELLY RIV
0467 859500 2011-11-01	MFP8595 LWR EDMONTON
0467 859600 2011-08-01	MFP8596 LWR EDMONTON

SPACING PATTERN

SU 4196 6 Aug 2004
SU 4196A 23 Aug 2004
SU 4196B 7 Oct 2004
SU 4196C 11 Jan 2005
SU 4196D 11 Feb 2005
SU 4196E 2 Apr 2005
SU 4196F 6 Jun 2005
SU 4196G 14 Jul 2005
SU 4196H 9 Dec 2005
SU 4196I 30 Jan 2006
SU 4196J 20 Mar 2007
SU 4196K 18 Apr 2007
SU 4196L 24 Jul 2007

COMMINGLED PRODUCTION

MU 8758 18 Sep 2015

ENHANCED RECOVERY SCHEMES

App 12310C 19 Jun 2017
By water injection
Turner Valley B
Journey Energy Inc.

SUBSURFACE DISPOSAL SCHEMES

App 9543 10 May 2016
Class II
Canadian Natural Resources Limited

COMPULSORY POOLING

P 185 6 Oct 1999
Gas
26-021-25W4M
MAXX Petroleum Ltd.

COMPULSORY POOLING (cont'd)

P 213 3 Jul 2001
P 213A 10 Jun 2005
P 213B 15 Apr 2008
Gas
23-019-27W4M
Compton Petroleum Corporation

P 218 26 Mar 2002
Gas
25-020-26W4M
PrimeWest Energy Inc.

P 249 23 Mar 2004
P 249A 15 Apr 2008
Gas
21-019-27W4M
Compton Petroleum Corporation

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HIGH LEVEL FIELD

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March 2018

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FIELD DESIGNATION

1343 2004-05-01 HIGH LEVEL FIELD

POOL DESIGNATION

1343 304001 2010-04-01 BLUESKY A

FIELD DESIGNATION

0030 2001-03-01 HIGH PRAIRIE FIELD

POOL DESIGNATION

0030 230001 2010-04-01 PADDY A

0030 232001 2001-03-01 CADOTTE A

0030 264001 2001-03-01 SPIRIT RIVER A
0030 264002 2001-03-01 SPIRIT RIVER B
0030 264003 2001-03-01 SPIRIT RIVER C
0030 264004 2001-03-01 SPIRIT RIVER D

0030 326001 2001-03-01 GETHING A

0030 765501 2010-04-01 GILWOOD A
0030 765502 2008-06-01 GILWOOD B
0030 765503 2008-06-01 GILWOOD C
0030 765504 2008-06-01 GILWOOD D
0030 765505 2008-06-01 GILWOOD E
0030 765506 2008-06-01 GILWOOD F
0030 765507 2010-04-01 GILWOOD G
0030 765508 2008-06-01 GILWOOD H
0030 765510 2010-04-01 GILWOOD J
0030 765511 2008-06-01 GILWOOD K
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0030 765514 2008-06-01 GILWOOD N
0030 765515 2008-06-01 GILWOOD O
0030 765516 2008-06-01 GILWOOD P
0030 765517 2008-06-01 GILWOOD Q
0030 765518 2008-06-01 GILWOOD R

SPACING PATTERN

SU 2416 28 Nov 1995
SU 2416A 5 Nov 1997

SUBSURFACE DISPOSAL SCHEMES

App 10799B 13 Apr 2012
Class II
Tervita Corporation

INDEX OF AER ORDERS AND APPROVALS

HIG

HIGH PRAIRIE FIELD

0030

March 2018

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SUBSURFACE DISPOSAL SCHEMES

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App 10800B 13 Apr 2012

Class Ib

Tervita Corporation

FIELD DESIGNATION

1313 2008-11-01 HIGH RIVER FIELD

POOL DESIGNATION

1313 126001 2003-11-01 BELLY RIVER A

1313 126004 2006-03-01 BELLY RIVER D

1313 126006 2011-05-01 BELLY RIVER F

1313 126007 2011-05-01 BELLY RIVER G

1313 158001 2010-04-01 MILK RIVER A

1313 213001 2008-02-01 BOW ISLAND A

1313 332001 2004-06-01 SUNBURST A

1313 332002 2004-06-01 SUNBURST B

1313 344001 2013-09-01 CUTBANK A

1313 344004 2002-11-01 CUTBANK D

1313 344005 2004-11-01 CUTBANK E

1313 344006 2003-06-01 CUTBANK F

1313 344010 2005-03-01 CUTBANK J

1313 344012 2006-05-01 CUTBANK L

1313 344013 2006-08-01 CUTBANK M

1313 344014 2006-06-01 CUTBANK N

1313 344015 2006-12-01 CUTBANK O

1313 344016 2008-06-01 CUTBANK P

1313 344018 2009-03-01 CUTBANK R

1313 344020 2011-01-01 CUTBANK T

1313 428001 2001-02-01 SAWTOOTH A

1313 428002 2002-03-01 SAWTOOTH B

1313 630001 2001-02-01 TURNER VALLEY A

1313 630002 2001-02-01 TURNER VALLEY B

1313 630003 2001-05-01 TURNER VALLEY C

1313 630004 2003-09-01 TURNER VALLEY D

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1313 658001 2001-02-01 WABAMUN A

1313 850600 2011-01-01 MFP8506 BELLY RIVER

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SU 3065 18 Oct 2001
SU 3065A 16 May 2002
SU 3065B 20 Aug 2002
SU 3065C 20 Jan 2004
SU 3065D 3 Dec 2004
SU 3065E 28 Jan 2005
SU 3065F 7 Jul 2005
SU 3065G 23 Nov 2005
SU 3065H 28 Nov 2005
SU 3065I 12 Jan 2006

MISCELLANEOUS ORDERS

MISC 6262 20 Jul 1962
Oil production allowables
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0460 2014-03-01 HIGHLAND FIELD

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0460 218002 2005-01-01 VIKING B

0460 250001 2002-02-01 UPPER MANNVILLE A
0460 250002 2010-03-01 UPPER MANNVILLE B
0460 250003 2004-12-01 UPPER MANNVILLE C
0460 250004 2006-08-01 UPPER MANNVILLE D
0460 250005 2007-05-01 UPPER MANNVILLE E
0460 250006 2010-04-01 UPPER MANNVILLE F
0460 250007 2008-01-01 UPPER MANNVILLE G
0460 250008 2010-03-01 UPPER MANNVILLE H
0460 250009 2014-03-01 UPPER MANNVILLE I
0460 250010 2014-03-01 UPPER MANNVILLE J

0460 310001 2008-01-01 LOWER MANNVILLE A
0460 310002 2008-05-01 LOWER MANNVILLE B

0460 646001 2001-03-01 BAKKEN A
0460 646002 2002-11-01 BAKKEN B
0460 646003 2011-12-01 BAKKEN C
0460 646004 2008-01-01 BAKKEN D
0460 646005 2014-03-01 BAKKEN E

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0477 2011-06-01 HIGHVALE FIELD

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0477 126005 2001-02-01 BELLY RIVER E
0477 126007 2001-02-01 BELLY RIVER G
0477 126008 2001-02-01 BELLY RIVER H
0477 126009 2001-03-01 BELLY RIVER I
0477 126011 2001-03-01 BELLY RIVER K
0477 126013 2003-07-01 BELLY RIVER M
0477 126014 2010-04-01 BELLY RIVER N

0477 134001 2012-02-01 BASAL BELLY RIVER A
0477 134002 2005-06-01 BASAL BELLY RIVER B
0477 134003 2005-06-01 BASAL BELLY RIVER C
0477 134004 2005-06-01 BASAL BELLY RIVER D
0477 134005 2008-01-01 BASAL BELLY RIVER E
0477 134006 2007-07-01 BASAL BELLY RIVER F
0477 134007 2009-11-01 BASAL BELLY RIVER G
0477 134008 2010-12-01 BASAL BELLY RIVER H

0477 176003 2010-04-01 CARDIUM C
0477 176004 2001-02-01 CARDIUM D
0477 176007 2001-02-01 CARDIUM G
0477 176008 2001-02-01 CARDIUM H
0477 176009 2001-02-01 CARDIUM I
0477 176010 2007-03-01 CARDIUM J

0477 218001 2002-11-01 VIKING A
0477 218002 2005-09-01 VIKING B

0477 250001 2006-09-01 UPPER MANNVILLE A
0477 250002 2008-03-01 UPPER MANNVILLE B

0477 300001 2001-02-01 GLAUCONITIC A
0477 300002 2001-02-01 GLAUCONITIC B

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0477 300003 2001-02-01	GLAUCONITIC C
0477 300004 2001-02-01	GLAUCONITIC D
0477 300005 2001-02-01	GLAUCONITIC E
0477 300007 2001-03-01	GLAUCONITIC G
0477 300008 2001-03-01	GLAUCONITIC H
0477 300009 2003-10-01	GLAUCONITIC I
0477 300010 2005-09-01	GLAUCONITIC J
0477 300011 2017-11-01	GLAUCONITIC K
0477 310001 2017-11-01	LOWER MANNVILLE A
0477 310002 2001-02-01	LOWER MANNVILLE B
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0477 310009 2001-02-01	LOWER MANNVILLE I
0477 310010 2001-02-01	LOWER MANNVILLE J
0477 310016 2001-02-01	LOWER MANNVILLE P
0477 310018 2001-02-01	LOWER MANNVILLE R
0477 310019 2001-02-01	LOWER MANNVILLE S
0477 310020 2010-04-01	LOWER MANNVILLE T
0477 310021 2001-02-01	LOWER MANNVILLE U
0477 310022 2001-02-01	LOWER MANNVILLE V
0477 310023 2001-09-01	LOWER MANNVILLE W
0477 310024 2001-02-01	LOWER MANNVILLE X
0477 310025 2002-11-01	LOWER MANNVILLE Y
0477 310026 2001-02-01	LOWER MANNVILLE Z
0477 310027 2001-02-01	LOWER MANNVILLE AA
0477 310028 2001-02-01	LOWER MANNVILLE BB
0477 310029 2001-02-01	LOWER MANNVILLE CC
0477 310030 2002-03-01	LOWER MANNVILLE DD
0477 310031 2001-05-01	LOWER MANNVILLE EE
0477 310032 2001-07-01	LOWER MANNVILLE FF
0477 310033 2001-12-01	LOWER MANNVILLE GG
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0477 310036 2002-08-01	LOWER MANNVILLE JJ
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0477 310038 2010-04-01	LOWER MANNVILLE LL
0477 310039 2008-11-01	LOWER MANNVILLE MM
0477 310041 2012-12-01	LOWER MANNVILLE OO

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0477 316001 2010-04-01 OSTRACOD A
0477 316002 2001-07-01 OSTRACOD B
0477 316003 2008-10-01 OSTRACOD C

0477 444001 2001-02-01 NORDEGG A
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0477 644001 2013-12-01 BANFF A
0477 644002 2011-02-01 BANFF B
0477 644006 2001-02-01 BANFF F
0477 644008 2016-07-01 BANFF H
0477 644009 2001-02-01 BANFF I
0477 644010 2001-02-01 BANFF J
0477 644011 2001-02-01 BANFF K
0477 644013 2002-12-01 BANFF M
0477 644015 2008-12-01 BANFF O
0477 644016 2010-04-01 BANFF P
0477 644018 2001-02-01 BANFF R
0477 644019 2001-02-01 BANFF S
0477 644020 2010-04-01 BANFF T
0477 644021 2010-04-01 BANFF U
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0477 644025 2010-04-01 BANFF Y
0477 644026 2001-03-01 BANFF Z
0477 644027 2001-12-01 BANFF AA
0477 644028 2011-01-01 BANFF BB
0477 644033 2012-07-01 BANFF GG
0477 644036 2011-01-01 BANFF JJ

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0477 644037 2011-08-01 BANFF KK

0477 696001 2009-10-01 NISKU A

SPACING PATTERN

SU 2376 13 Dec 1995

SU 2376A 23 Jul 2005

SU 2376B 2 Oct 2007

COMMINGLED PRODUCTION

MU 8593 14 Feb 2014

GAS STORAGE SCHEMES

App 11510 18 Oct 2010

Basal Belly River F

Response Energy Corporation

ENHANCED RECOVERY SCHEMES

App 10897H 23 Mar 2016

Waterflood

Banff H

New Star Energy Ltd.

App 10993I 14 Aug 2017

Waterflood

Banff A

New Star Energy Ltd.

ENHANCED RECOVERY SCHEMES & CONCURRENT PRODUCTION

App 4870D 12 Dec 2013

Waterflood and CCP

Lower Mannville A

New Star Energy Ltd.

SUBSURFACE DISPOSAL SCHEMES

App 11523A 2 Jan 2013

Class II

New Star Energy Ltd.

COMPULSORY POOLING

P 220 25 Apr 2002

P 220A 23 Aug 2004

Gas

27-052-03W5M

Zargon Oil & Gas Ltd.

P 367 15 Jul 2008

Gas

31-050-03W5M

Response Energy Corporation

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0442 326002 2005-03-01 GETHING B

0442 506001 2001-02-01 BALDONNEL A

0442 506002 2007-07-01 BALDONNEL B

0442 506003 2008-11-01 BALDONNEL C

0442 516001 2005-02-01 HALFWAY A

0442 516002 2009-01-01 HALFWAY B

0442 516003 2011-12-01 HALFWAY C

0442 520001 2011-03-01 DOIG A

0442 524001 2009-09-01 MONTNEY A

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MU 7785 7 Apr 2011

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0478 176003 2010-04-01 CARDIUM C
0478 176004 2011-05-01 CARDIUM D
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0478 176006 2012-01-01 CARDIUM F
0478 176007 2012-01-01 CARDIUM G

0478 192001 2010-04-01 DUNVEGAN A
0478 192004 2011-11-01 DUNVEGAN D
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0478 192017 2010-04-01 DUNVEGAN Q
0478 192020 2011-05-01 DUNVEGAN T
0478 192021 2012-01-01 DUNVEGAN U

0478 264001 2011-11-01 SPIRIT RIVER A
0478 264002 2010-04-01 SPIRIT RIVER B
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0478 326003 2011-05-01 GETHING C
0478 326004 2011-08-01 GETHING D

0478 348001 2011-03-01 CADOMIN A
0478 348003 2011-12-01 CADOMIN C

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0478 348004 2011-08-01 CADOMIN D

0478 408001 2009-11-01 NIKANASSIN A

0478 408002 2011-12-01 NIKANASSIN B

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SU 2848 9 Jan 1998

SU 2848A 6 Apr 1998

SU 2848B 3 Oct 2007

SU 2848C 11 Oct 2007

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MU 7858 17 May 2011

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0465 2001-02-01 HOLLOW FIELD

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0465 250001 2001-02-01 UPPER MANNVILLE A
0465 250002 2001-02-01 UPPER MANNVILLE B
0465 250003 2005-12-01 UPPER MANNVILLE C
0465 250004 2001-02-01 UPPER MANNVILLE D
0465 250006 2001-02-01 UPPER MANNVILLE F
0465 250007 2001-02-01 UPPER MANNVILLE G
0465 250008 2001-02-01 UPPER MANNVILLE H
0465 250009 2001-02-01 UPPER MANNVILLE I
0465 250010 2001-02-01 UPPER MANNVILLE J
0465 250011 2005-12-01 UPPER MANNVILLE K
0465 250012 2007-07-01 UPPER MANNVILLE L

0465 310001 2001-02-01 LOWER MANNVILLE A

0465 658001 2001-02-01 WABAMUN A
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0465 658003 2010-04-01 WABAMUN C
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0465 658005 2007-03-01 WABAMUN E
0465 658006 2007-08-01 WABAMUN F
0465 658007 2007-08-01 WABAMUN G

COMMINGLED PRODUCTION

MU 5266 9 Feb 2006

SUBSURFACE DISPOSAL SCHEMES

App 2641 16 Feb 1978
Water disposal
Mesa Petroleum Co.

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0466 2014-03-01 HOLMBERG FIELD

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0466 126003 2001-02-01 BELLY RIVER C
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0466 134009 2005-06-01 BASAL BELLY RIVER I
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0466 218004 2010-04-01 VIKING D
0466 218006 2001-02-01 VIKING F
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0466 218010 2007-07-01 VIKING J
0466 218011 2007-07-01 VIKING K

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0466 248006 2001-02-01 MANNVILLE F
0466 248009 2001-02-01 MANNVILLE I
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0466 248012 2001-02-01 MANNVILLE L

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0466 248013	2001-02-01	MANNVILLE M
0466 248014	2010-04-01	MANNVILLE N
0466 248015	2001-02-01	MANNVILLE O
0466 248016	2002-03-01	MANNVILLE P
0466 248017	2001-02-01	MANNVILLE Q
0466 248018	2001-02-01	MANNVILLE R
0466 248019	2001-02-01	MANNVILLE S
0466 248020	2004-05-01	MANNVILLE T
0466 248021	2001-02-01	MANNVILLE U
0466 248022	2001-02-01	MANNVILLE V
0466 248023	2001-02-01	MANNVILLE W
0466 248024	2001-02-01	MANNVILLE X
0466 248025	2001-02-01	MANNVILLE Y
0466 248026	2001-02-01	MANNVILLE Z
0466 248027	2001-02-01	MANNVILLE AA
0466 248028	2001-02-01	MANNVILLE BB
0466 248029	2001-02-01	MANNVILLE CC
0466 248030	2001-02-01	MANNVILLE DD
0466 248031	2001-02-01	MANNVILLE EE
0466 248032	2001-02-01	MANNVILLE FF
0466 248033	2001-02-01	MANNVILLE GG
0466 248034	2001-02-01	MANNVILLE HH
0466 248036	2001-02-01	MANNVILLE JJ
0466 248037	2001-02-01	MANNVILLE KK
0466 248039	2001-03-01	MANNVILLE MM
0466 248040	2001-03-01	MANNVILLE NN
0466 248041	2001-06-01	MANNVILLE OO
0466 248042	2001-11-01	MANNVILLE PP
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0466 248044	2002-08-01	MANNVILLE RR
0466 248045	2002-11-01	MANNVILLE SS
0466 248046	2003-08-01	MANNVILLE TT
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0466 250004	2015-02-01	UPPER MANNVILLE D
0466 250005	2001-02-01	UPPER MANNVILLE E

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0466 300005	2001-02-01	GLAUCONITIC E
0466 300007	2010-04-01	GLAUCONITIC G
0466 300009	2001-02-01	GLAUCONITIC I
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0466 300015	2001-02-01	GLAUCONITIC O
0466 300016	2001-02-01	GLAUCONITIC P
0466 300017	2001-02-01	GLAUCONITIC Q
0466 300018	2001-02-01	GLAUCONITIC R
0466 300019	2001-02-01	GLAUCONITIC S
0466 300020	2001-02-01	GLAUCONITIC T
0466 300021	2001-02-01	GLAUCONITIC U
0466 300022	2001-02-01	GLAUCONITIC V
0466 300023	2001-02-01	GLAUCONITIC W
0466 300024	2010-04-01	GLAUCONITIC X
0466 300025	2001-02-01	GLAUCONITIC Y
0466 300026	2001-02-01	GLAUCONITIC Z
0466 300027	2001-02-01	GLAUCONITIC AA
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0466 300036	2003-08-01	GLAUCONITIC JJ
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0466 300042	2008-02-01	GLAUCONITIC PP
0466 300043	2014-03-01	GLAUCONITIC QQ
0466 336001	2002-10-01	ELLERSLIE A

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0466 336002	2003-07-01	ELLERSLIE B
0466 336003	2010-04-01	ELLERSLIE C
0466 336004	2005-02-01	ELLERSLIE D
0466 336005	2007-01-01	ELLERSLIE E
0466 336006	2010-04-01	ELLERSLIE F
0466 336007	2007-08-01	ELLERSLIE G
0466 336008	2007-08-01	ELLERSLIE H
0466 336009	2008-09-01	ELLERSLIE I
0466 336010	2013-01-01	ELLERSLIE J
0466 336011	2014-03-01	ELLERSLIE K
0466 851800	2009-09-01	MFP8518 U&M VIKING
0466 853400	2014-03-01	MFP8534 BSL BELLY RIV

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SU 2678	19 Mar 1996
SU 2678A	23 Feb 2001
SU 2678B	30 Jul 2002
SU 2678C	3 Nov 2004
SU 2678D	2 Dec 2004
SU 2678E	29 Aug 2005
SU 2678F	23 Nov 2005
SU 2678G	6 Apr 2006

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P 73A	3 Jul 1986
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05-045-18W4M	
Voyager Energy Inc.	
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17-044-17W4M	
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P 246	23 Dec 2003
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0470 118801 2011-04-01 LOWER EDMONTON A

0470 118802 2010-10-01 LOWER EDMONTON B

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0470 300008 2008-04-01 GLAUCONITIC H

0470 300010 2012-02-01 GLAUCONITIC J

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0470 300011 2004-05-01	GLAUCONITIC K
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0470 336011 2006-03-01	ELLERSLIE K

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0470 642007	2004-06-01	PEKISKO G
0470 642008	2004-07-01	PEKISKO H

0470 644001	2001-02-01	BANFF A
0470 644002	2001-02-01	BANFF B
0470 644003	2003-10-01	BANFF C
0470 644004	2001-03-01	BANFF D
0470 644005	2014-11-01	BANFF E
0470 644006	2010-04-01	BANFF F
0470 644007	2005-08-01	BANFF G
0470 644008	2010-08-01	BANFF H

0470 696001	2001-02-01	D-2 A
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0470 720000	2010-04-01	D-3
0470 720002	2003-03-01	D-3 B
0470 720003	2001-02-01	D-3 C
0470 720004	2001-02-01	D-3 D

SPACING PATTERN

SU 4160 17 Mar 2004
SU 4160A 7 Sep 2004
SU 4160B 27 Sep 2004
SU 4160C 20 Nov 2004
SU 4160D 11 Feb 2005
SU 4160E 16 Apr 2005
SU 4160F 6 May 2005
SU 4160G 28 Jul 2005
SU 4160H 14 Dec 2005
SU 4160I 6 Feb 2006
SU 4160J 23 Mar 2007
SU 4160K 17 Sep 2007
SU 4160L 11 Oct 2007

MISCELLANEOUS ORDERS

MISC 6131 1 Dec 1961
HomRim D-3 Pool wells & batteries
exempt from subsec (3) (a) &
(b), & (7) of sec 20C Drilling &
Prod Reg

COMMINGLED PRODUCTION

MU 8062 29 Sep 2011

ENHANCED RECOVERY SCHEMES

App 12171C 8 Dec 2015
Waterflood
Pekisko C Pool
Gibson Energy ULC

SUBSURFACE DISPOSAL SCHEMES

App 2227C 9 Jun 2010
Class Ib
Keyera Energy Ltd.

App 4444D 2 Mar 2011
Class II
Plains Midstream Canada ULC

App 7129B 17 Jun 2011
Class II
ConocoPhillips Canada Resources Corp.
App 7718 7 Nov 1995

App 7718B 19 Oct 2017
Class Ib
Cenovus Energy Inc.

FIELD DESIGNATION

0480 2004-07-01 HONDO FIELD

POOL DESIGNATION

0480 262001 2003-12-01 GRAND RAPIDS A
0480 262002 2001-02-01 GRAND RAPIDS B
0480 262003 2005-05-01 GRAND RAPIDS C
0480 262004 2005-05-01 GRAND RAPIDS D
0480 262005 2004-10-01 GRAND RAPIDS E
0480 262006 2005-03-01 GRAND RAPIDS F
0480 262007 2005-02-01 GRAND RAPIDS G
0480 262008 2007-07-01 GRAND RAPIDS H
0480 262009 2008-07-01 GRAND RAPIDS I

0480 328001 2012-04-01 MCMURRAY A

SPACING PATTERN

SU 4210 21 Jul 2004

COMMINGLED PRODUCTION

MU 3653 4 Aug 2004

FIELD DESIGNATION

1114 2007-06-01 HONEYSUCKLE FIELD

POOL DESIGNATION

1114 126001 2001-02-01 BELLY RIVER A
1114 126002 2001-02-01 BELLY RIVER B
1114 126003 2001-02-01 BELLY RIVER C
1114 126004 2001-02-01 BELLY RIVER D
1114 126005 2012-05-01 BELLY RIVER E
1114 126006 2002-07-01 BELLY RIVER F
1114 126010 2005-01-01 BELLY RIVER J
1114 126012 2007-07-01 BELLY RIVER L
1114 126013 2007-11-01 BELLY RIVER M
1114 126014 2010-04-01 BELLY RIVER N
1114 126015 2010-05-01 BELLY RIVER O

1114 250001 2012-02-01 UPPER MANNVILLE A
1114 250002 2017-05-01 UPPER MANNVILLE B
1114 250003 2010-04-01 UPPER MANNVILLE C
1114 250004 2004-12-01 UPPER MANNVILLE D
1114 250005 2006-05-01 UPPER MANNVILLE E
1114 250006 2007-07-01 UPPER MANNVILLE F
1114 250007 2007-08-01 UPPER MANNVILLE G
1114 250008 2011-05-01 UPPER MANNVILLE H
1114 250009 2012-06-01 UPPER MANNVILLE I
1114 250010 2013-03-01 UPPER MANNVILLE J
1114 250011 2017-10-01 UPPER MANNVILLE K

1114 310001 2002-09-01 LOWER MANNVILLE A
1114 310002 2001-02-01 LOWER MANNVILLE B
1114 310003 2004-07-01 LOWER MANNVILLE C
1114 310004 2001-11-01 LOWER MANNVILLE D
1114 310005 2001-06-01 LOWER MANNVILLE E
1114 310006 2008-05-01 LOWER MANNVILLE F
1114 310007 2011-10-01 LOWER MANNVILLE G
1114 310008 2013-07-01 LOWER MANNVILLE H

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HON

HONEYSUCKLE FIELD

1114

March 2018

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SPACING PATTERN

SU 4303 12 Jan 2006

SU 4303A 8 Mar 2006

COMMINGLED PRODUCTION

MU 8138 24 Oct 2011

FIELD DESIGNATION

0471 2011-09-01 HOOLE FIELD

POOL DESIGNATION

0471 262001 2002-07-01 GRAND RAPIDS A
0471 262002 2001-02-01 GRAND RAPIDS B
0471 262003 2001-02-01 GRAND RAPIDS C

0471 280001 2010-04-01 CLEARWATER A
0471 280020 2005-04-01 CLEARWATER T
0471 280040 2012-05-01 CLEARWATER NN
0471 280042 2011-09-01 CLEARWATER PP

0471 306001 2010-04-01 WABISKAW A
0471 306002 2001-02-01 WABISKAW B
0471 306003 2009-10-01 WABISKAW C
0471 306004 2007-09-01 WABISKAW D
0471 306005 2001-02-01 WABISKAW E
0471 306006 2010-04-01 WABISKAW F
0471 306008 2001-02-01 WABISKAW H
0471 306009 2001-02-01 WABISKAW I
0471 306010 2001-02-01 WABISKAW J
0471 306011 2011-08-01 WABISKAW K
0471 306012 2007-06-01 WABISKAW L
0471 306013 2010-04-01 WABISKAW M
0471 306014 2001-09-01 WABISKAW N
0471 306015 2002-06-01 WABISKAW O
0471 306016 2005-07-01 WABISKAW P
0471 306017 2005-04-01 WABISKAW Q
0471 306018 2005-04-01 WABISKAW R
0471 306019 2010-04-01 WABISKAW S
0471 306020 2005-04-01 WABISKAW T
0471 306021 2005-04-01 WABISKAW U
0471 306022 2005-05-01 WABISKAW V
0471 306023 2005-05-01 WABISKAW W
0471 306024 2007-03-01 WABISKAW X

POOL DESIGNATION (cont'd)

0471 328001	2004-05-01	MCMURRAY A
0471 328002	2005-02-01	MCMURRAY B
0471 328003	2005-12-01	MCMURRAY C
0471 328004	2009-11-01	MCMURRAY D
0471 658001	2010-04-01	WABAMUN A
0471 658002	2001-02-01	WABAMUN B
0471 658003	2001-02-01	WABAMUN C
0471 658005	2004-03-01	WABAMUN E
0471 658006	2005-04-01	WABAMUN F
0471 658007	2005-04-01	WABAMUN G
0471 680001	2004-08-01	BLUERIDGE A

SPACING PATTERN

SU 2760	8 May 1996
SU 2760A	25 Aug 1997
SU 2760B	23 Feb 2001
SU 2760C	22 Nov 2002
SU 2760D	12 Mar 2004

COMMINGLED PRODUCTION

MU 7648	4 Jan 2011
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SUBSURFACE DISPOSAL SCHEMES

App 8872A	17 Nov 2011
Class II	
AltaGas Ltd.	

FIELD DESIGNATION

0472 2001-02-01 HOSELAW FIELD

POOL DESIGNATION

0472 256001 2001-02-01 COLONY A
0472 256002 2001-02-01 COLONY B
0472 256003 2001-02-01 COLONY C
0472 256004 2001-02-01 COLONY D

0472 262001 2001-02-01 GRAND RAPIDS A
0472 262002 2001-02-01 GRAND RAPIDS B

0472 270001 2001-02-01 WASECA A
0472 270002 2001-02-01 WASECA B

SPACING PATTERN

SU 2683 6 Mar 1996

COMMINGLED PRODUCTION

MU 1759 23 Apr 1999

FIELD DESIGNATION

0474 2013-09-01 HOTCHKISS FIELD

POOL DESIGNATION

0474 264001 2005-03-01 SPIRIT RIVER A

0474 264003 2008-07-01 SPIRIT RIVER C

0474 304001 2010-04-01 BLUESKY A

0474 304002 2002-08-01 BLUESKY B

0474 304004 2010-04-01 BLUESKY D

0474 304005 2006-06-01 BLUESKY E

0474 304007 2001-02-01 BLUESKY G

0474 304008 2001-02-01 BLUESKY H

0474 304009 2002-10-01 BLUESKY I

0474 304010 2001-02-01 BLUESKY J

0474 304011 2001-11-01 BLUESKY K

0474 304012 2001-02-01 BLUESKY L

0474 304013 2003-01-01 BLUESKY M

0474 304014 2001-02-01 BLUESKY N

0474 304015 2003-06-01 BLUESKY O

0474 304016 2001-03-01 BLUESKY P

0474 304017 2001-11-01 BLUESKY Q

0474 304018 2002-01-01 BLUESKY R

0474 304019 2002-01-01 BLUESKY S

0474 304020 2002-09-01 BLUESKY T

0474 304021 2002-12-01 BLUESKY U

0474 304022 2010-04-01 BLUESKY V

0474 304023 2003-02-01 BLUESKY W

0474 304024 2004-03-01 BLUESKY X

0474 304025 2008-08-01 BLUESKY Y

0474 304026 2008-10-01 BLUESKY Z

0474 304027 2013-09-01 BLUESKY AA

0474 304028 2013-09-01 BLUESKY BB

0474 304029 2013-09-01 BLUESKY CC

0474 304302 2013-09-01 BLSK-DETR-DBLT B

POOL DESIGNATION (cont'd)

0474 305001 2005-11-01 BLUESKY-GETHING A

0474 326001 2001-02-01 GETHING A

0474 326002 2001-02-01 GETHING B

0474 612002 2001-02-01 DEBOLT B

0474 612003 2010-04-01 DEBOLT C

0474 612004 2001-02-01 DEBOLT D

0474 612005 2001-02-01 DEBOLT E

0474 612007 2001-02-01 DEBOLT G

0474 612008 2010-04-01 DEBOLT H

0474 612010 2010-04-01 DEBOLT J

0474 612011 2010-04-01 DEBOLT K

0474 612012 2010-04-01 DEBOLT L

0474 612013 2001-03-01 DEBOLT M

0474 612014 2001-02-01 DEBOLT N

0474 612015 2001-02-01 DEBOLT O

0474 612016 2013-09-01 DEBOLT P

0474 612017 2013-09-01 DEBOLT Q

0474 612018 2013-09-01 DEBOLT R

0474 612019 2013-09-01 DEBOLT S

0474 612020 2013-09-01 DEBOLT T

0474 612021 2013-09-01 DEBOLT U

0474 612022 2013-09-01 DEBOLT V

0474 612023 2013-09-01 DEBOLT W

0474 640001 2011-05-01 SHUNDA A

0474 640002 2001-02-01 SHUNDA B

0474 640003 2001-03-01 SHUNDA C

0474 640004 2002-05-01 SHUNDA D

0474 640005 2011-07-01 SHUNDA E

0474 640006 2004-08-01 SHUNDA F

0474 640007 2004-09-01 SHUNDA G

0474 640008 2007-08-01 SHUNDA H

0474 644001 2003-01-01 BANFF A

0474 644002 2010-04-01 BANFF B

POOL DESIGNATION (cont'd)

0474 758001 2010-04-01 SLAVE POINT A
0474 758002 2001-03-01 SLAVE POINT B
0474 758003 2001-04-01 SLAVE POINT C
0474 758004 2013-09-01 SLAVE POINT D
0474 758005 2013-09-01 SLAVE POINT E
0474 758006 2013-09-01 SLAVE POINT F

0474 765502 2010-04-01 GILWOOD B
0474 765503 2008-06-01 GILWOOD C
0474 765504 2010-04-01 GILWOOD D
0474 765505 2008-06-01 GILWOOD E
0474 765506 2008-06-01 GILWOOD F
0474 765507 2008-06-01 GILWOOD G
0474 765508 2008-06-01 GILWOOD H
0474 765509 2008-06-01 GILWOOD I
0474 765510 2008-06-01 GILWOOD J
0474 765511 2008-06-01 GILWOOD K
0474 765512 2008-06-01 GILWOOD L
0474 765513 2008-06-01 GILWOOD M
0474 765514 2008-06-01 GILWOOD N
0474 765515 2013-09-01 GILWOOD O
0474 765516 2013-09-01 GILWOOD P
0474 765517 2013-09-01 GILWOOD Q
0474 765518 2013-09-01 GILWOOD R

SPACING PATTERN

SU 4002 12 Apr 2002
SU 4002A 31 Oct 2002
SU 4002B 22 Nov 2002
SU 4002C 12 Sep 2007

COMMINGLED PRODUCTION

MU 6003 13 Sep 2006

SUBSURFACE DISPOSAL SCHEMES

App 3466C 31 Oct 2012
Class II
Surge Energy Inc.

App 6258A 22 Nov 2012
Class II
Canadian Natural Resources Limited

App 10910E 4 Jan 2018
Class II
Wormwood Resources Ltd.

FIELD DESIGNATION

0473 2013-11-01 HOUSE FIELD

POOL DESIGNATION

0473 262001 2004-09-01 GRAND RAPIDS A

0473 262002 2013-11-01 GRAND RAPIDS B

0473 280001 2001-02-01 CLEARWATER A

0473 280002 2004-10-01 CLEARWATER B

0473 280003 2006-02-01 CLEARWATER C

0473 280004 2006-02-01 CLEARWATER D

0473 280005 2007-07-01 CLEARWATER E

0473 280006 2008-05-01 CLEARWATER F

0473 306001 2001-02-01 WABISKAW A

0473 306002 2010-04-01 WABISKAW B

0473 328001 2001-02-01 MCMURRAY A

0473 328002 2010-04-01 MCMURRAY B

0473 328003 2001-02-01 MCMURRAY C

0473 328004 2001-02-01 MCMURRAY D

0473 328005 2001-02-01 MCMURRAY E

0473 328006 2001-02-01 MCMURRAY F

0473 328007 2001-02-01 MCMURRAY G

0473 328008 2001-02-01 MCMURRAY H

0473 328009 2001-03-01 MCMURRAY I

0473 328010 2001-03-01 MCMURRAY J

0473 328011 2001-03-01 MCMURRAY K

0473 328012 2001-03-01 MCMURRAY L

0473 328013 2001-03-01 MCMURRAY M

0473 328014 2001-03-01 MCMURRAY N

0473 328015 2002-05-01 MCMURRAY O

0473 328016 2002-05-01 MCMURRAY P

0473 328017 2002-05-01 MCMURRAY Q

0473 328018 2002-05-01 MCMURRAY R

0473 328020 2004-02-01 MCMURRAY T

POOL DESIGNATION (cont'd)

0473 328021	2005-06-01	MCMURRAY U
0473 328022	2009-07-01	MCMURRAY V
0473 328023	2013-11-01	MCMURRAY W
0473 328024	2013-11-01	MCMURRAY X
0473 328025	2013-11-01	MCMURRAY Y
0473 328026	2013-11-01	MCMURRAY Z
0473 328027	2013-11-01	MCMURRAY AA
0473 328028	2013-11-01	MCMURRAY BB
0473 328029	2013-11-01	MCMURRAY CC
0473 328030	2013-11-01	MCMURRAY DD
0473 328031	2013-11-01	MCMURRAY EE
0473 328032	2013-11-01	MCMURRAY FF
0473 328033	2013-11-01	MCMURRAY GG
0473 328034	2013-11-01	MCMURRAY HH
0473 328035	2013-11-01	MCMURRAY II

0473 716001	2010-04-01	GROSMONT A
0473 716002	2013-11-01	GROSMONT B

SPACING PATTERN

SU 2918 13 Jan 1999

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

COMMINGLED PRODUCTION

Mu 8551 5 Nov 2013

SUBSURFACE DISPOSAL SCHEMES

App 9844 6 May 2004
Class II
Canadian Natural Resources Limited

FIELD DESIGNATION

0479 2009-08-01 HOWARD FIELD

POOL DESIGNATION

0479 230001 2001-02-01 PADDY A

0479 304001 2001-02-01 BLUESKY A

0479 326001 2001-02-01 GETHING A

0479 326002 2001-02-01 GETHING B

0479 326003 2008-02-01 GETHING C

0479 432001 2001-02-01 ROCK CREEK A

0479 432002 2001-02-01 ROCK CREEK B

0479 508001 2001-02-01 CHARLIE LAKE A

0479 508002 2008-11-01 CHARLIE LAKE B

0479 606001 2010-04-01 KISKATINAW A

0479 612001 2001-02-01 DEBOLT A

0479 644001 2010-04-01 BANFF A

0479 658001 2015-02-01 WABAMUN A

0479 797501 2015-02-01 GRANITE WASH A

0479 797502 2008-06-01 GRANITE WASH B

COMMINGLED PRODUCTION

MU 2079 21 Sep 2000

FIELD DESIGNATION

0482 2004-10-01 HUNTER VALLEY FIELD

POOL DESIGNATION

0482 610001 2010-04-01 RUNDLE A

SPACING PATTERN

SU 2681 15 Mar 1996

FIELD DESIGNATION

0486 2014-11-01 HUSSAR FIELD

POOL DESIGNATION

0486 106011 2010-04-01 EDMONTON K
0486 106014 2006-08-01 EDMONTON N

0486 118803 2006-11-01 LOWER EDMONTON C
0486 118804 2010-04-01 LOWER EDMONTON D
0486 118807 2015-06-01 LOWER EDMONTON G
0486 118808 2010-04-01 LOWER EDMONTON H
0486 118813 2010-04-01 LOWER EDMONTON M
0486 118814 2010-04-01 LOWER EDMONTON N
0486 118817 2011-08-01 LOWER EDMONTON Q
0486 118821 2010-04-01 LOWER EDMONTON U
0486 118823 2010-03-01 LOWER EDMONTON W
0486 118824 2011-10-01 LOWER EDMONTON X
0486 118825 2010-12-01 LOWER EDMONTON Y
0486 118827 2011-10-01 LOWER EDMONTON AA
0486 118828 2011-08-01 LOWER EDMONTON BB
0486 118829 2011-10-01 LOWER EDMONTON CC
0486 118830 2011-10-01 LOWER EDMONTON DD
0486 118831 2012-05-01 LOWER EDMONTON EE
0486 118832 2013-07-01 LOWER EDMONTON FF

0486 158016 2011-12-01 MILK RIVER P
0486 158020 2010-04-01 MILK RIVER T
0486 158021 2009-04-01 MILK RIVER U
0486 158022 2009-11-01 MILK RIVER V
0486 158023 2010-04-01 MILK RIVER W
0486 158024 2009-11-01 MILK RIVER X
0486 158025 2009-11-01 MILK RIVER Y
0486 158026 2009-12-01 MILK RIVER Z
0486 158027 2010-03-01 MILK RIVER AA
0486 158028 2011-12-01 MILK RIVER BB

POOL DESIGNATION (cont'd)

0486 162012	2011-02-01	FIRST WHITE SPECKS L
0486 162013	2011-02-01	FIRST WHITE SPECKS M
0486 162016	2014-01-01	FIRST WHITE SPECKS P
0486 162021	2011-12-01	FIRST WHITE SPECKS U
0486 162023	2009-04-01	FIRST WHITE SPECKS W
0486 164002	2011-02-01	MEDICINE HAT B
0486 164003	2009-01-01	MEDICINE HAT C
0486 164004	2009-04-01	MEDICINE HAT D
0486 164005	2009-04-01	MEDICINE HAT E
0486 164006	2009-11-01	MEDICINE HAT F
0486 164007	2011-02-01	MEDICINE HAT G
0486 186002	2011-03-01	SECOND WHITE SPECKS B
0486 186003	2011-03-01	SECOND WHITE SPECKS C
0486 186004	2011-08-01	SECOND WHITE SPECKS D
0486 202001	2009-09-01	FISH SCALE A
0486 202002	2011-02-01	FISH SCALE B
0486 213005	2007-12-01	BOW ISLAND E
0486 213007	2011-04-01	BOW ISLAND G
0486 218001	2007-03-01	VIKING A
0486 218002	2011-07-01	VIKING B
0486 218003	2001-02-01	VIKING C
0486 218005	2010-04-01	VIKING E
0486 218007	2010-04-01	VIKING G
0486 218009	2001-02-01	VIKING I
0486 218013	2007-07-01	VIKING M
0486 218014	2001-02-01	VIKING N
0486 218015	2012-07-01	VIKING O
0486 218016	2013-02-01	VIKING P
0486 218017	2001-02-01	VIKING Q
0486 218020	2001-03-01	VIKING T
0486 218021	2001-03-01	VIKING U
0486 218022	2010-04-01	VIKING V
0486 218023	2002-02-01	VIKING W

POOL DESIGNATION (cont'd)

0486 218024 2002-02-01	VIKING X
0486 218025 2013-04-01	VIKING Y
0486 218026 2002-06-01	VIKING Z
0486 218027 2005-11-01	VIKING AA
0486 218028 2002-08-01	VIKING BB
0486 218031 2010-04-01	VIKING EE
0486 218032 2004-08-01	VIKING FF
0486 218033 2004-10-01	VIKING GG
0486 218034 2005-02-01	VIKING HH
0486 218035 2010-04-01	VIKING II
0486 218036 2005-02-01	VIKING JJ
0486 218037 2010-04-01	VIKING KK
0486 218038 2010-04-01	VIKING LL
0486 218039 2006-10-01	VIKING MM
0486 218040 2006-05-01	VIKING NN
0486 218041 2010-04-01	VIKING OO
0486 218042 2006-08-01	VIKING PP
0486 218043 2010-04-01	VIKING QQ
0486 218044 2007-03-01	VIKING RR
0486 218045 2010-04-01	VIKING SS
0486 218046 2010-04-01	VIKING TT
0486 218047 2010-04-01	VIKING UU
0486 218048 2010-04-01	VIKING VV
0486 218049 2010-04-01	VIKING WW
0486 218050 2010-04-01	VIKING XX
0486 218051 2009-11-01	VIKING YY
0486 218052 2010-04-01	VIKING ZZ
0486 220401 2013-10-01	VIKING AAA
0486 220402 2010-12-01	VIKING BBB
0486 220403 2011-02-01	VIKING CCC
0486 220404 2011-08-01	VIKING DDD
0486 220405 2011-08-01	VIKING EEE
0486 220406 2011-08-01	VIKING FFF
0486 220407 2012-03-01	VIKING GGG
0486 220408 2012-07-01	VIKING HHH
0486 242001 2004-06-01	BASAL COLORADO A
0486 242003 2010-04-01	BASAL COLORADO C

POOL DESIGNATION (cont'd)

0486 242004 2002-07-01	BASAL COLORADO D
0486 242005 2001-02-01	BASAL COLORADO E
0486 242006 2001-02-01	BASAL COLORADO F
0486 242008 2006-06-01	BASAL COLORADO H
0486 242009 2001-02-01	BASAL COLORADO I
0486 242010 2010-04-01	BASAL COLORADO J
0486 242011 2010-04-01	BASAL COLORADO K
0486 242012 2010-04-01	BASAL COLORADO L
0486 242013 2012-04-01	BASAL COLORADO M
0486 242014 2014-02-01	BASAL COLORADO N
0486 250002 2001-02-01	UPPER MANNVILLE B
0486 250003 2009-01-01	UPPER MANNVILLE C
0486 250004 2013-10-01	UPPER MANNVILLE D
0486 250005 2004-11-01	UPPER MANNVILLE E
0486 250006 2005-02-01	UPPER MANNVILLE F
0486 250007 2005-02-01	UPPER MANNVILLE G
0486 250008 2010-04-01	UPPER MANNVILLE H
0486 250009 2010-04-01	UPPER MANNVILLE I
0486 250010 2010-04-01	UPPER MANNVILLE J
0486 250012 2010-04-01	UPPER MANNVILLE L
0486 250013 2010-04-01	UPPER MANNVILLE M
0486 250015 2009-01-01	UPPER MANNVILLE O
0486 250016 2010-04-01	UPPER MANNVILLE P
0486 250018 2010-04-01	UPPER MANNVILLE R
0486 250019 2009-06-01	UPPER MANNVILLE S
0486 250020 2009-06-01	UPPER MANNVILLE T
0486 250021 2009-10-01	UPPER MANNVILLE U
0486 250022 2009-08-01	UPPER MANNVILLE V
0486 250023 2010-03-01	UPPER MANNVILLE W
0486 250024 2010-04-01	UPPER MANNVILLE X
0486 250025 2010-06-01	UPPER MANNVILLE Y
0486 250026 2010-11-01	UPPER MANNVILLE Z
0486 250027 2011-02-01	UPPER MANNVILLE AA
0486 250028 2011-02-01	UPPER MANNVILLE BB
0486 250029 2011-03-01	UPPER MANNVILLE CC
0486 250030 2011-08-01	UPPER MANNVILLE DD
0486 250031 2011-08-01	UPPER MANNVILLE EE

POOL DESIGNATION (cont'd)

0486 250032 2011-11-01	UPPER MANNVILLE FF
0486 250033 2011-11-01	UPPER MANNVILLE GG
0486 250034 2011-12-01	UPPER MANNVILLE HH
0486 250036 2013-06-01	UPPER MANNVILLE JJ
0486 250037 2014-10-01	UPPER MANNVILLE KK
0486 300001 2010-04-01	GLAUCONITIC A
0486 300002 2003-08-01	GLAUCONITIC B
0486 300003 2001-02-01	GLAUCONITIC C
0486 300005 2001-02-01	GLAUCONITIC E
0486 300006 2010-04-01	GLAUCONITIC F
0486 300007 2001-02-01	GLAUCONITIC G
0486 300008 2001-02-01	GLAUCONITIC H
0486 300009 2005-09-01	GLAUCONITIC I
0486 300010 2001-02-01	GLAUCONITIC J
0486 300011 2010-04-01	GLAUCONITIC K
0486 300012 2001-02-01	GLAUCONITIC L
0486 300014 2010-04-01	GLAUCONITIC N
0486 300015 2001-02-01	GLAUCONITIC O
0486 300016 2001-02-01	GLAUCONITIC P
0486 300017 2001-02-01	GLAUCONITIC Q
0486 300018 2001-02-01	GLAUCONITIC R
0486 300019 2010-04-01	GLAUCONITIC S
0486 300020 2001-02-01	GLAUCONITIC T
0486 300021 2001-02-01	GLAUCONITIC U
0486 300024 2010-04-01	GLAUCONITIC X
0486 300025 2001-02-01	GLAUCONITIC Y
0486 300027 2001-02-01	GLAUCONITIC AA
0486 300028 2001-02-01	GLAUCONITIC BB
0486 300030 2001-09-01	GLAUCONITIC DD
0486 300032 2004-07-01	GLAUCONITIC FF
0486 300033 2001-02-01	GLAUCONITIC GG
0486 300038 2001-02-01	GLAUCONITIC LL
0486 300042 2008-02-01	GLAUCONITIC PP
0486 300048 2001-02-01	GLAUCONITIC VV
0486 300051 2001-02-01	GLAUCONITIC YY
0486 300904 2006-08-01	GLAUCONITIC DDD
0486 300906 2001-02-01	GLAUCONITIC FFF

POOL DESIGNATION (cont'd)

0486 300907 2006-02-01	GLAUCONITIC GGG
0486 300911 2001-02-01	GLAUCONITIC KKK
0486 300913 2010-04-01	GLAUCONITIC MMM
0486 300918 2001-02-01	GLAUCONITIC RRR
0486 300922 2001-02-01	GLAUCONITIC VVV
0486 300924 2001-02-01	GLAUCONITIC XXX
0486 300925 2010-04-01	GLAUCONITIC YYY
0486 300926 2001-02-01	GLAUCONITIC ZZZ
0486 300927 2002-02-01	GLAUCONITIC A2A
0486 300936 2001-02-01	GLAUCONITIC J2J
0486 300938 2001-02-01	GLAUCONITIC L2L
0486 300939 2001-02-01	GLAUCONITIC M2M
0486 300942 2001-02-01	GLAUCONITIC P2P
0486 300945 2014-11-01	GLAUCONITIC S2S
0486 300949 2010-04-01	GLAUCONITIC W2W
0486 300951 2001-02-01	GLAUCONITIC Y2Y
0486 300952 2010-04-01	GLAUCONITIC Z2Z
0486 301502 2001-02-01	GLAUCONITIC B3B
0486 301503 2001-03-01	GLAUCONITIC C3C
0486 301504 2001-02-01	GLAUCONITIC D3D
0486 301505 2001-02-01	GLAUCONITIC E3E
0486 301507 2010-01-01	GLAUCONITIC G3G
0486 301508 2001-02-01	GLAUCONITIC H3H
0486 301509 2010-04-01	GLAUCONITIC I3I
0486 301511 2010-04-01	GLAUCONITIC K3K
0486 301513 2001-02-01	GLAUCONITIC M3M
0486 301516 2010-04-01	GLAUCONITIC P3P
0486 301518 2001-02-01	GLAUCONITIC R3R
0486 301519 2001-02-01	GLAUCONITIC S3S
0486 301520 2012-04-01	GLAUCONITIC T3T
0486 301521 2001-08-01	GLAUCONITIC U3U
0486 301522 2001-09-01	GLAUCONITIC V3V
0486 301524 2001-12-01	GLAUCONITIC X3X
0486 301525 2010-04-01	GLAUCONITIC Y3Y
0486 301526 2001-12-01	GLAUCONITIC Z3Z
0486 301527 2013-10-01	GLAUCONITIC A4A
0486 301528 2013-10-01	GLAUCONITIC B4B
0486 301529 2002-01-01	GLAUCONITIC C4C

POOL DESIGNATION (cont'd)

0486 301530 2010-04-01	GLAUCONITIC D4D
0486 301531 2002-02-01	GLAUCONITIC E4E
0486 301532 2002-02-01	GLAUCONITIC F4F
0486 301533 2013-04-01	GLAUCONITIC G4G
0486 301534 2010-04-01	GLAUCONITIC H4H
0486 301535 2002-08-01	GLAUCONITIC I4I
0486 301536 2002-05-01	GLAUCONITIC J4J
0486 301537 2002-07-01	GLAUCONITIC K4K
0486 301539 2002-10-01	GLAUCONITIC M4M
0486 301541 2003-05-01	GLAUCONITIC O4O
0486 301543 2002-12-01	GLAUCONITIC Q4Q
0486 301546 2003-08-01	GLAUCONITIC T4T
0486 301552 2003-05-01	GLAUCONITIC Z4Z
0486 301702 2003-05-01	GLAUCONITIC B5B
0486 301704 2011-03-01	GLAUCONITIC D5D
0486 301705 2003-08-01	GLAUCONITIC E5E
0486 301706 2011-02-01	GLAUCONITIC F5F
0486 301707 2003-09-01	GLAUCONITIC G5G
0486 301708 2010-04-01	GLAUCONITIC H5H
0486 301709 2004-02-01	GLAUCONITIC I5I
0486 301710 2004-05-01	GLAUCONITIC J5J
0486 301711 2010-04-01	GLAUCONITIC K5K
0486 301712 2013-12-01	GLAUCONITIC L5L
0486 301713 2012-10-01	GLAUCONITIC M5M
0486 301714 2004-05-01	GLAUCONITIC N5N
0486 301715 2004-05-01	GLAUCONITIC O5O
0486 301716 2010-04-01	GLAUCONITIC P5P
0486 301717 2004-11-01	GLAUCONITIC Q5Q
0486 301718 2010-04-01	GLAUCONITIC R5R
0486 301719 2010-04-01	GLAUCONITIC S5S
0486 301720 2010-04-01	GLAUCONITIC T5T
0486 301721 2010-04-01	GLAUCONITIC U5U
0486 301722 2010-04-01	GLAUCONITIC V5V
0486 301724 2011-02-01	GLAUCONITIC X5X
0486 301725 2010-04-01	GLAUCONITIC Y5Y
0486 301726 2005-02-01	GLAUCONITIC Z5Z
0486 301727 2005-02-01	GLAUCONITIC A6A
0486 301728 2005-02-01	GLAUCONITIC B6B

POOL DESIGNATION (cont'd)

0486 301729 2005-02-01	GLAUCONITIC C6C
0486 301730 2005-02-01	GLAUCONITIC D6D
0486 301731 2005-02-01	GLAUCONITIC E6E
0486 301732 2005-02-01	GLAUCONITIC F6F
0486 301733 2005-02-01	GLAUCONITIC G6G
0486 301734 2010-04-01	GLAUCONITIC H6H
0486 301735 2005-02-01	GLAUCONITIC I6I
0486 301736 2005-02-01	GLAUCONITIC J6J
0486 301737 2005-02-01	GLAUCONITIC K6K
0486 301738 2005-02-01	GLAUCONITIC L6L
0486 301739 2010-04-01	GLAUCONITIC M6M
0486 301741 2005-02-01	GLAUCONITIC O6O
0486 301742 2005-02-01	GLAUCONITIC P6P
0486 301743 2005-02-01	GLAUCONITIC Q6Q
0486 301744 2005-02-01	GLAUCONITIC R6R
0486 301746 2005-05-01	GLAUCONITIC T6T
0486 301749 2006-01-01	GLAUCONITIC W6W
0486 301750 2013-09-01	GLAUCONITIC X6X
0486 302901 2005-11-01	GLAUCONITIC A7A
0486 302902 2010-04-01	GLAUCONITIC B7B
0486 302904 2008-02-01	GLAUCONITIC D7D
0486 302907 2006-05-01	GLAUCONITIC G7G
0486 302908 2006-05-01	GLAUCONITIC H7H
0486 302910 2013-04-01	GLAUCONITIC J7J
0486 302912 2006-11-01	GLAUCONITIC L7L
0486 302915 2007-04-01	GLAUCONITIC O7O
0486 302917 2007-07-01	GLAUCONITIC Q7Q
0486 302918 2012-05-01	GLAUCONITIC R7R
0486 302920 2007-07-01	GLAUCONITIC T7T
0486 302922 2007-12-01	GLAUCONITIC V7V
0486 302923 2010-04-01	GLAUCONITIC W7W
0486 302924 2010-04-01	GLAUCONITIC X7X
0486 302925 2008-04-01	GLAUCONITIC Y7Y
0486 302926 2011-03-01	GLAUCONITIC Z7Z
0486 302927 2008-05-01	GLAUCONITIC A8A
0486 302928 2008-06-01	GLAUCONITIC B8B
0486 302930 2008-06-01	GLAUCONITIC D8D
0486 302931 2008-10-01	GLAUCONITIC E8E

POOL DESIGNATION (cont'd)

0486 302932 2008-10-01	GLAUCONITIC F8F
0486 302933 2008-11-01	GLAUCONITIC G8G
0486 302934 2008-11-01	GLAUCONITIC H8H
0486 302935 2008-11-01	GLAUCONITIC I8I
0486 302938 2009-01-01	GLAUCONITIC L8L
0486 302941 2010-04-01	GLAUCONITIC O8O
0486 302942 2009-02-01	GLAUCONITIC P8P
0486 302943 2013-05-01	GLAUCONITIC Q8Q
0486 302944 2010-04-01	GLAUCONITIC R8R
0486 302946 2009-07-01	GLAUCONITIC T8T
0486 302947 2009-08-01	GLAUCONITIC U8U
0486 302948 2010-04-01	GLAUCONITIC V8V
0486 302949 2009-09-01	GLAUCONITIC W8W
0486 302950 2010-04-01	GLAUCONITIC X8X
0486 302951 2009-11-01	GLAUCONITIC Y8Y
0486 303004 2014-04-01	GLAUCONITIC D9D
0486 303005 2010-05-01	GLAUCONITIC E9E
0486 303006 2012-02-01	GLAUCONITIC F9F
0486 303007 2012-02-01	GLAUCONITIC G9G
0486 303008 2010-12-01	GLAUCONITIC H9H
0486 303009 2011-02-01	GLAUCONITIC I9I
0486 303010 2011-02-01	GLAUCONITIC J9J
0486 303011 2011-02-01	GLAUCONITIC K9K
0486 303012 2011-02-01	GLAUCONITIC L9L
0486 303013 2011-02-01	GLAUCONITIC M9M
0486 303014 2014-01-01	GLAUCONITIC N9N
0486 303015 2011-02-01	GLAUCONITIC O9O
0486 303016 2011-02-01	GLAUCONITIC P9P
0486 303017 2011-02-01	GLAUCONITIC Q9Q
0486 303019 2011-03-01	GLAUCONITIC S9S
0486 303020 2011-05-01	GLAUCONITIC T9T
0486 303021 2011-07-01	GLAUCONITIC U9U
0486 303022 2011-08-01	GLAUCONITIC V9V
0486 303023 2011-11-01	GLAUCONITIC W9W
0486 303024 2012-02-01	GLAUCONITIC X9X
0486 303025 2012-02-01	GLAUCONITIC Y9Y
0486 303026 2012-02-01	GLAUCONITIC Z9Z

POOL DESIGNATION (cont'd)

0486 303027 2012-02-01	GLAUCONITIC A10A
0486 303028 2012-02-01	GLAUCONITIC B10B
0486 303029 2012-02-01	GLAUCONITIC C10C
0486 303030 2012-02-01	GLAUCONITIC D10D
0486 303031 2012-02-01	GLAUCONITIC E10E
0486 303033 2012-06-01	GLAUCONITIC G10G
0486 303034 2012-06-01	GLAUCONITIC H10H
0486 303035 2013-03-01	GLAUCONITIC I10I
0486 303037 2013-04-01	GLAUCONITIC K10K
0486 303038 2013-06-01	GLAUCONITIC L10L
0486 303039 2013-06-01	GLAUCONITIC M10M
0486 303040 2013-06-01	GLAUCONITIC N10N
0486 303041 2013-07-01	GLAUCONITIC O10O
0486 303043 2013-07-01	GLAUCONITIC Q10Q
0486 303044 2013-07-01	GLAUCONITIC R10R
0486 303045 2013-11-01	GLAUCONITIC S10S
0486 303046 2013-11-01	GLAUCONITIC T10T
0486 303047 2013-11-01	GLAUCONITIC U10U
0486 303048 2014-01-01	GLAUCONITIC V10V

POOL DESIGNATION (cont'd)

0486 303049 2014-10-01	GLAUCONITIC W10W
0486 303050 2014-12-01	GLAUCONITIC X10X
0486 303051 2015-05-01	GLAUCONITIC Y10Y
0486 310002 2010-04-01	LOWER MANNVILLE B
0486 310003 2010-10-01	LOWER MANNVILLE C
0486 310004 2011-04-01	LOWER MANNVILLE D
0486 310005 2011-08-01	LOWER MANNVILLE E
0486 310006 2014-01-01	LOWER MANNVILLE F
0486 310007 2014-02-01	LOWER MANNVILLE G
0486 310008 2015-01-01	LOWER MANNVILLE H
0486 310009 2015-05-01	LOWER MANNVILLE I
0486 312003 2001-02-01	OSTRACOD C
0486 312006 2010-04-01	OSTRACOD F
0486 312008 2010-04-01	OSTRACOD H
0486 312009 2001-02-01	OSTRACOD I
0486 312011 2001-02-01	OSTRACOD K
0486 312012 2001-02-01	OSTRACOD L
0486 312013 2001-02-01	OSTRACOD M
0486 312016 2001-02-01	OSTRACOD P
0486 312018 2011-01-01	OSTRACOD R
0486 312020 2001-02-01	OSTRACOD T
0486 312021 2010-04-01	OSTRACOD U
0486 312022 2001-02-01	OSTRACOD V
0486 312024 2013-03-01	OSTRACOD X
0486 312025 2001-02-01	OSTRACOD Y
0486 312027 2001-02-01	OSTRACOD AA
0486 312031 2001-02-01	OSTRACOD EE
0486 312032 2001-02-01	OSTRACOD FF
0486 312034 2001-02-01	OSTRACOD HH
0486 312036 2001-02-01	OSTRACOD JJ
0486 312040 2012-03-01	OSTRACOD NN
0486 312041 2010-04-01	OSTRACOD OO
0486 312043 2001-09-01	OSTRACOD QQ
0486 312044 2010-04-01	OSTRACOD RR

POOL DESIGNATION (cont'd)

0486 312045 2010-04-01	OSTRACOD SS
0486 312046 2001-12-01	OSTRACOD TT
0486 312047 2010-04-01	OSTRACOD UU
0486 312048 2002-10-01	OSTRACOD VV
0486 312049 2003-09-01	OSTRACOD WW
0486 312050 2004-01-01	OSTRACOD XX
0486 312051 2011-02-01	OSTRACOD YY
0486 312102 2010-04-01	OSTRACOD BBB
0486 312103 2011-12-01	OSTRACOD CCC
0486 312104 2010-04-01	OSTRACOD DDD
0486 312105 2010-04-01	OSTRACOD EEE
0486 312106 2010-04-01	OSTRACOD FFF
0486 312107 2010-04-01	OSTRACOD GGG
0486 312109 2010-04-01	OSTRACOD III
0486 312110 2009-07-01	OSTRACOD JJJ
0486 312111 2010-06-01	OSTRACOD KKK
0486 312112 2010-07-01	OSTRACOD LLL
0486 312113 2010-07-01	OSTRACOD MMM
0486 312114 2010-12-01	OSTRACOD NNN
0486 312115 2011-02-01	OSTRACOD OOO
0486 312116 2011-02-01	OSTRACOD PPP
0486 312117 2011-02-01	OSTRACOD QQQ
0486 312118 2011-02-01	OSTRACOD RRR
0486 312119 2011-02-01	OSTRACOD SSS
0486 312120 2012-03-01	OSTRACOD TTT
0486 312121 2013-04-01	OSTRACOD MEMBER UUU
0486 312122 2013-06-01	OSTRACOD VVV
0486 312123 2013-10-01	OSTRACOD WWW
0486 320001 2001-02-01	BASAL MANNVILLE A
0486 320002 2002-12-01	BASAL MANNVILLE B
0486 320003 2014-11-01	BASAL MANNVILLE C
0486 320004 2001-02-01	BASAL MANNVILLE D
0486 320005 2010-04-01	BASAL MANNVILLE E
0486 320007 2010-04-01	BASAL MANNVILLE G
0486 320009 2012-08-01	BASAL MANNVILLE I

POOL DESIGNATION (cont'd)

0486 320010 2010-05-01	BASAL MANNVILLE J
0486 320012 2015-06-01	BASAL MANNVILLE L
0486 320013 2012-07-01	BASAL MANNVILLE M
0486 320015 2013-12-01	BASAL MANNVILLE O
0486 320016 2001-02-01	BASAL MANNVILLE P
0486 320017 2010-04-01	BASAL MANNVILLE Q
0486 320018 2001-02-01	BASAL MANNVILLE R
0486 320019 2014-04-01	BASAL MANNVILLE S
0486 320021 2009-06-01	BASAL MANNVILLE U
0486 320022 2010-11-01	BASAL MANNVILLE V
0486 320025 2001-02-01	BASAL MANNVILLE Y
0486 320029 2001-02-01	BASAL MANNVILLE CC
0486 320030 2001-02-01	BASAL MANNVILLE DD
0486 320033 2010-04-01	BASAL MANNVILLE GG
0486 320034 2010-04-01	BASAL MANNVILLE HH
0486 320037 2001-02-01	BASAL MANNVILLE KK
0486 320039 2001-02-01	BASAL MANNVILLE MM
0486 320040 2001-02-01	BASAL MANNVILLE NN
0486 320041 2001-02-01	BASAL MANNVILLE OO
0486 320043 2001-02-01	BASAL MANNVILLE QQ
0486 320047 2001-02-01	BASAL MANNVILLE UU
0486 320048 2001-02-01	BASAL MANNVILLE VV
0486 320050 2010-04-01	BASAL MANNVILLE XX
0486 320051 2006-06-01	BASAL MANNVILLE YY
0486 320052 2001-02-01	BASAL MANNVILLE ZZ
0486 320601 2001-02-01	BASAL MANNVILLE AAA
0486 320603 2010-04-01	BASAL MANNVILLE CCC
0486 320605 2001-02-01	BASAL MANNVILLE EEE
0486 320606 2001-02-01	BASAL MANNVILLE FFF
0486 320607 2001-02-01	BASAL MANNVILLE GGG
0486 320610 2015-12-01	BASAL MANNVILLE JJJ
0486 320611 2001-02-01	BASAL MANNVILLE KKK
0486 320613 2009-05-01	BASAL MANNVILLE MMM
0486 320614 2002-01-01	BASAL MANNVILLE NNN
0486 320615 2001-02-01	BASAL MANNVILLE OOO
0486 320616 2001-03-01	BASAL MANNVILLE PPP
0486 320617 2001-08-01	BASAL MANNVILLE QQQ
0486 320618 2001-09-01	BASAL MANNVILLE RRR

POOL DESIGNATION (cont'd)

0486 320620 2002-01-01	BASAL MANNVILLE TTT
0486 320621 2002-02-01	BASAL MANNVILLE UUU
0486 320622 2015-04-01	BASAL MANNVILLE VVV
0486 320624 2014-05-01	BASAL MANNVILLE XXX
0486 320625 2002-09-01	BASAL MANNVILLE YYY
0486 320626 2011-08-01	BASAL MANNVILLE ZZZ
0486 320628 2010-04-01	BASAL MANNVILLE B2B
0486 320629 2002-10-01	BASAL MANNVILLE C2C
0486 320630 2010-04-01	BASAL MANNVILLE D2D
0486 320631 2002-12-01	BASAL MANNVILLE E2E
0486 320633 2010-04-01	BASAL MANNVILLE G2G
0486 320634 2003-02-01	BASAL MANNVILLE H2H
0486 320635 2003-05-01	BASAL MANNVILLE I2I
0486 320636 2010-04-01	BASAL MANNVILLE J2J
0486 320638 2011-12-01	BASAL MANNVILLE L2L
0486 320639 2004-02-01	BASAL MANNVILLE M2M
0486 320640 2004-08-01	BASAL MANNVILLE N2N
0486 320641 2010-04-01	BASAL MANNVILLE O2O
0486 320642 2009-08-01	BASAL MANNVILLE P2P
0486 320643 2010-04-01	BASAL MANNVILLE Q2Q
0486 320644 2014-02-01	BASAL MANNVILLE R2R
0486 320645 2010-04-01	BASAL MANNVILLE S2S
0486 320646 2004-08-01	BASAL MANNVILLE T2T
0486 320648 2018-03-01	BASAL MANNVILLE V2V
0486 320649 2009-08-01	BASAL MANNVILLE W2W
0486 320651 2005-02-01	BASAL MANNVILLE Y2Y
0486 320701 2011-02-01	BASAL MANNVILLE A3A
0486 320702 2010-04-01	BASAL MANNVILLE B3B
0486 320703 2013-10-01	BASAL MANNVILLE C3C
0486 320705 2010-04-01	BASAL MANNVILLE E3E
0486 320706 2013-01-01	BASAL MANNVILLE F3F
0486 320707 2011-05-01	BASAL MANNVILLE G3G
0486 320708 2010-02-01	BASAL MANNVILLE H3H
0486 320710 2010-04-01	BASAL MANNVILLE J3J
0486 320711 2008-11-01	BASAL MANNVILLE K3K
0486 320712 2006-09-01	BASAL MANNVILLE L3L
0486 320713 2006-11-01	BASAL MANNVILLE M3M
0486 320714 2006-12-01	BASAL MANNVILLE N3N

POOL DESIGNATION (cont'd)

0486 320715 2007-01-01	BASAL MANNVILLE O3O
0486 320717 2007-07-01	BASAL MANNVILLE Q3Q
0486 320718 2010-04-01	BASAL MANNVILLE R3R
0486 320719 2010-04-01	BASAL MANNVILLE S3S
0486 320720 2012-11-01	BASAL MANNVILLE T3T
0486 320722 2010-04-01	BASAL MANNVILLE V3V
0486 320723 2010-04-01	BASAL MANNVILLE W3W
0486 320724 2008-11-01	BASAL MANNVILLE X3X
0486 320725 2010-04-01	BASAL MANNVILLE Y3Y
0486 320726 2010-04-01	BASAL MANNVILLE Z3Z
0486 320727 2009-02-01	BASAL MANNVILLE A4A
0486 320728 2010-04-01	BASAL MANNVILLE B4B
0486 320730 2009-03-01	BASAL MANNVILLE D4D
0486 320731 2010-04-01	BASAL MANNVILLE E4E
0486 320733 2010-04-01	BASAL MANNVILLE G4G
0486 320734 2009-09-01	BASAL MANNVILLE H4H
0486 320735 2009-09-01	BASAL MANNVILLE I4I
0486 320736 2009-10-01	BASAL MANNVILLE J4J
0486 320737 2009-11-01	BASAL MANNVILLE K4K
0486 320738 2009-12-01	BASAL MANNVILLE L4L
0486 320739 2010-06-01	BASAL MANNVILLE M4M
0486 320740 2010-07-01	BASAL MANNVILLE N4N
0486 320741 2010-09-01	BASAL MANNVILLE O4O
0486 320742 2010-12-01	BASAL MANNVILLE P4P
0486 320743 2011-01-01	BASAL MANNVILLE Q4Q
0486 320744 2011-08-01	BASAL MANNVILLE R4R
0486 320745 2011-02-01	BASAL MANNVILLE S4S
0486 320746 2011-02-01	BASAL MANNVILLE T4T
0486 320747 2011-02-01	BASAL MANNVILLE U4U
0486 320748 2011-02-01	BASAL MANNVILLE V4V
0486 320749 2011-02-01	BASAL MANNVILLE W4W
0486 320750 2011-02-01	BASAL MANNVILLE X4X
0486 320751 2011-02-01	BASAL MANNVILLE Y4Y
0486 320902 2014-07-01	BASAL MANNVILLE B5B
0486 320903 2011-03-01	BASAL MANNVILLE C5C
0486 320904 2012-04-01	BASAL MANNVILLE D5D
0486 320905 2011-04-01	BASAL MANNVILLE E5E
0486 320906 2011-04-01	BASAL MANNVILLE F5F

POOL DESIGNATION (cont'd)

0486 320907 2011-04-01	BASAL MANNVILLE G5G
0486 320908 2011-04-01	BASAL MANNVILLE H5H
0486 320909 2011-09-01	BASAL MANNVILLE I5I
0486 320910 2011-12-01	BASAL MANNVILLE J5J
0486 320911 2011-06-01	BASAL MANNVILLE K5K
0486 320913 2011-11-01	BASAL MANNVILLE M5M
0486 320914 2012-03-01	BASAL MANNVILLE N5N
0486 320915 2012-04-01	BASAL MANNVILLE O5O
0486 320916 2012-04-01	BASAL MANNVILLE P5P
0486 320918 2012-12-01	BASAL MANNVILLE R5R
0486 320919 2013-01-01	BASAL MANNVILLE S5S
0486 320920 2012-12-01	BASAL MANNVILLE T5T
0486 320921 2013-01-01	BASAL MANNVILLE U5U
0486 320922 2013-04-01	BASAL MANNVILLE V5V
0486 320923 2013-04-01	BASAL MANNVILLE W5W
0486 320924 2014-03-01	BASAL MANNVILLE X5X
0486 320925 2013-09-01	BASAL MANNVILLE Y5Y
0486 320926 2014-05-01	BASAL MANNVILLE Z5Z
0486 320927 2014-12-01	BASAL MANNVILLE A6A
0486 320928 2017-11-01	BASAL MANNVILLE B6B
0486 334002 2011-07-01	BASAL QUARTZ B
0486 334003 2010-04-01	BASAL QUARTZ C
0486 334004 2002-02-01	BASAL QUARTZ D
0486 334005 2010-04-01	BASAL QUARTZ E
0486 334006 2005-02-01	BASAL QUARTZ F
0486 334007 2006-02-01	BASAL QUARTZ G
0486 334009 2011-02-01	BASAL QUARTZ I
0486 334011 2015-05-01	BASAL QUARTZ K
0486 642001 2001-02-01	PEKISKO A
0486 642002 2011-04-01	PEKISKO B
0486 642003 2011-12-01	PEKISKO C
0486 642004 2012-02-01	PEKISKO D
0486 642005 2012-11-01	PEKISKO E
0486 850100 2014-11-01	MFP8501 MILK RIVER

POOL DESIGNATION (cont'd)

0486 850200 2014-11-01 MFP8502 MED HAT
 0486 850500 2014-11-01 MFP8505 2WS
 0486 850600 2014-11-01 MFP8506 BELLY RIVER
 0486 851300 2014-11-01 MFP8513 BOW ISLAND
 0486 851900 2014-11-01 MFP8519 GLAUCONITIC
 0486 854300 2014-11-01 MFP8543 BSL BELLY RIV
 0486 854400 2014-11-01 MFP8544 1WS
 0486 858600 2014-01-01 MFP8586 LWR EDMONTON

SPACING PATTERN

SU 4338 13 Apr 2006
 SU 4338A 19 Dec 2006
 SU 4338B 6 Sep 2007

ENHANCED RECOVERY SCHEMES

App 9913A 19 Feb 2014
 Waterflood
 Basal Mannville O
 EnCana Corporation

COMMINGLED PRODUCTION

MU 5397 20 Mar 2006
 MU 8708 4 Feb 2015

App 9914D 22 Jan 2018
 Waterflood
 Basal Mannville JJJ
 Torxen Energy Ltd.

GAS STORAGE SCHEMES

App 8483F 26 Apr 2013
 Glauconitic R
 Husky Oil Operations Ltd.

App 12013C 22 Jan 2018
 Waterflood
 Basal Mannville S
 Torxen Energy Ltd.

App 11759A 8 Jul 2014
 Glauconitic F9F
 EnCana Corporation

App 12556 20 Sep 2016
 Waterflood
 Glauconitic W2W
 Logic Energy Ltd.

CONCURRENT PRODUCTION

App 2738 2 Nov 1978
Ostracod X
Czar Resources Ltd.

SUBSURFACE DISPOSAL SCHEMES

App 12108A 23 Aug 2013
Class II
Cenovus Energy Inc.

FIELD DESIGNATION

0481 2013-07-01 HUTCH FIELD

POOL DESIGNATION

0481 758002 2011-01-01 SLAVE POINT B

0481 758006 2013-07-01 SLAVE POINT F

0481 772101 2008-12-01 KEG RIVER A

0481 772102 2013-07-01 KEG RIVER B

FIELD DESIGNATION

0488 2013-10-01 HUXLEY FIELD

POOL DESIGNATION

0488 118801 2010-11-01 LOWER EDMONTON A
0488 118802 2011-02-01 LOWER EDMONTON B
0488 118803 2011-12-01 LOWER EDMONTON C
0488 118804 2012-04-01 LOWER EDMONTON D
0488 118805 2013-04-01 LOWER EDMONTON E
0488 118806 2013-04-01 LOWER EDMONTON F

0488 134001 2010-01-01 BASAL BELLY RIVER A
0488 134005 2012-02-01 BASAL BELLY RIVER E

0488 218001 2001-02-01 VIKING A
0488 218002 2001-02-01 VIKING B
0488 218004 2010-04-01 VIKING D
0488 218005 2005-05-01 VIKING E
0488 218006 2005-05-01 VIKING F
0488 218007 2004-12-01 VIKING G
0488 218008 2006-11-01 VIKING H
0488 218009 2011-12-01 VIKING I
0488 218010 2012-10-01 VIKING J
0488 218011 2013-06-01 VIKING K
0488 218012 2014-02-01 VIKING L

0488 250001 2001-02-01 UPPER MANNVILLE A
0488 250002 2001-02-01 UPPER MANNVILLE B
0488 250003 2001-02-01 UPPER MANNVILLE C
0488 250004 2001-02-01 UPPER MANNVILLE D
0488 250005 2001-02-01 UPPER MANNVILLE E
0488 250006 2001-02-01 UPPER MANNVILLE F
0488 250007 2010-04-01 UPPER MANNVILLE G
0488 250008 2005-07-01 UPPER MANNVILLE H
0488 250009 2001-02-01 UPPER MANNVILLE I
0488 250010 2001-02-01 UPPER MANNVILLE J

POOL DESIGNATION (cont'd)

0488 250011	2001-02-01	UPPER MANNVILLE K
0488 250012	2001-02-01	UPPER MANNVILLE L
0488 250013	2006-11-01	UPPER MANNVILLE M
0488 250014	2002-06-01	UPPER MANNVILLE N
0488 250015	2010-01-01	UPPER MANNVILLE O
0488 250016	2005-12-01	UPPER MANNVILLE P
0488 250017	2006-08-01	UPPER MANNVILLE Q
0488 250018	2007-04-01	UPPER MANNVILLE R
0488 250019	2010-04-01	UPPER MANNVILLE S
0488 250021	2010-04-01	UPPER MANNVILLE U
0488 250022	2007-07-01	UPPER MANNVILLE V
0488 250023	2010-04-01	UPPER MANNVILLE W
0488 250024	2010-04-01	UPPER MANNVILLE X
0488 250025	2008-01-01	UPPER MANNVILLE Y
0488 250026	2008-12-01	UPPER MANNVILLE Z
0488 250027	2011-07-01	UPPER MANNVILLE AA
0488 250028	2010-11-01	UPPER MANNVILLE BB
0488 250029	2010-11-01	UPPER MANNVILLE CC
0488 250030	2010-12-01	UPPER MANNVILLE DD
0488 250031	2012-08-01	UPPER MANNVILLE EE
0488 310001	2001-02-01	LOWER MANNVILLE A
0488 310002	2001-02-01	LOWER MANNVILLE B
0488 310003	2010-04-01	LOWER MANNVILLE C
0488 310004	2010-04-01	LOWER MANNVILLE D
0488 310005	2001-02-01	LOWER MANNVILLE E
0488 310006	2001-02-01	LOWER MANNVILLE F
0488 310007	2001-02-01	LOWER MANNVILLE G
0488 310008	2001-02-01	LOWER MANNVILLE H
0488 310010	2001-02-01	LOWER MANNVILLE J
0488 310011	2001-02-01	LOWER MANNVILLE K
0488 310012	2001-02-01	LOWER MANNVILLE L
0488 310013	2005-07-01	LOWER MANNVILLE M
0488 310014	2010-04-01	LOWER MANNVILLE N
0488 310015	2007-02-01	LOWER MANNVILLE O
0488 310016	2010-04-01	LOWER MANNVILLE P
0488 310017	2003-07-01	LOWER MANNVILLE Q
0488 310018	2005-12-01	LOWER MANNVILLE R

POOL DESIGNATION (cont'd)

0488 310019 2006-11-01	LOWER MANNVILLE S
0488 310020 2006-12-01	LOWER MANNVILLE T
0488 310021 2006-12-01	LOWER MANNVILLE U
0488 310022 2010-04-01	LOWER MANNVILLE V
0488 310023 2007-07-01	LOWER MANNVILLE W
0488 310024 2010-04-01	LOWER MANNVILLE X
0488 310025 2009-03-01	LOWER MANNVILLE Y
0488 310026 2013-10-01	LOWER MANNVILLE Z
0488 310027 2009-03-01	LOWER MANNVILLE AA
0488 310028 2009-11-01	LOWER MANNVILLE BB
0488 310029 2010-07-01	LOWER MANNVILLE CC
0488 310030 2012-04-01	LOWER MANNVILLE DD
0488 644001 2001-02-01	BANFF A
0488 658001 2012-04-01	WABAMUN A
0488 658002 2013-11-01	WABAMUN B
0488 696001 2007-06-01	NISKU A
0488 696002 2008-03-01	NISKU B
0488 696003 2007-05-01	NISKU C
0488 696004 2010-11-01	NISKU D
0488 696005 2010-11-01	NISKU E
0488 696006 2010-11-01	NISKU F
0488 696007 2011-07-01	NISKU G
0488 728001 2015-09-01	DUVERNAY A
0488 728002 2015-11-01	DUVERNAY B
0488 728003 2017-08-01	DUVERNAY C
0488 728004 2017-11-01	DUVERNAY D
0488 850600 2011-01-01	MFP8506 BELLY RIVER
0488 856000 2011-01-01	MFP8560 BSL BELLY RIV

SPACING PATTERN

SU 2684 7 Mar 1996
SU 2684A 3 Nov 2004
SU 2684B 19 Nov 2004
SU 2684C 2 Apr 2005
SU 2684D 31 May 2005
SU 2684E 22 Aug 2005
SU 2684F 8 Nov 2005
SU 2684G 20 Jan 2006
SU 2684H 16 Mar 2006
SU 2684I 21 Apr 2006
SU 2684J 22 Feb 2007

COMPULSORY POOLING (cont'd)

P 386 7 May 2009
P 386A 7 Jul 2009
Sec 25-033-24W4M
Gas from Sands and Coals to the base of
Belly River
Quicksilver Resources Canada Inc.

COMMINGLED PRODUCTION

MU 8175 25 Oct 2011

COMPULSORY POOLING

P 317A 9 Jun 2015
Gas
19-035-24W4M
Ember Resources Inc.

P 365 15 Jul 2008
P 365A 25 Nov 2008
P 365B 18 Mar 2009
P 365C 11 Jun 2009
P 365D 28 Jun 2016
P 365E 30 Aug 2016
Gas
15-035-24W4M
Quicksilver Resources Canada Inc. or
Pengrowth Corporation

FIELD DESIGNATION

0489 2010-02-01 HYLO FIELD

POOL DESIGNATION

0489 256001 2001-02-01 COLONY A
0489 256002 2001-02-01 COLONY B
0489 256003 2001-02-01 COLONY C

0489 262001 2001-02-01 GRAND RAPIDS A
0489 262002 2001-02-01 GRAND RAPIDS B
0489 262003 2002-10-01 GRAND RAPIDS C
0489 262004 2007-11-01 GRAND RAPIDS D
0489 262005 2001-02-01 GRAND RAPIDS E
0489 262006 2001-02-01 GRAND RAPIDS F
0489 262007 2001-02-01 GRAND RAPIDS G
0489 262008 2001-02-01 GRAND RAPIDS H
0489 262009 2004-04-01 GRAND RAPIDS I
0489 262010 2010-04-01 GRAND RAPIDS J
0489 262011 2004-05-01 GRAND RAPIDS K

0489 276001 2001-03-01 SPARKY A

0489 280001 2014-02-01 CLEARWATER A
0489 280002 2014-09-01 CLEARWATER B
0489 280004 2006-02-01 CLEARWATER D

0489 310001 2010-04-01 LOWER MANNVILLE A
0489 310002 2014-12-01 LOWER MANNVILLE B
0489 310003 2001-02-01 LOWER MANNVILLE C

0489 716001 2010-04-01 GROSMONT A

SPACING PATTERN

SU 2685 6 Mar 1996
SU 2685A 16 Mar 1999
SU 2685B 24 Apr 2003

COMMINGLED PRODUCTION

MU 5223 1 Feb 2006

SUBSURFACE DISPOSAL SCHEMES

App 8090 4 Feb 1997
Class II
Canadian Natural Resources Limited