

**SUBSURFACE DISPOSAL SCHEMES**

App 3842      1 Jun 1983  
Class II  
Gulf Canada Resources Inc.

**FIELD DESIGNATION**

0928 2015-08-01 WAINWRIGHT FIELD

**POOL DESIGNATION**

0928 160001 2004-12-01 COLORADO A  
0928 160002 2013-12-01 COLORADO B

0928 202001 2005-05-01 FISH SCALE A  
0928 202002 2005-11-01 FISH SCALE B  
0928 202003 2013-09-01 FISH SCALE C  
0928 202004 2015-08-01 FISH SCALE D  
0928 202005 2015-08-01 FISH SCALE E

0928 211001 2010-04-01 LOWER COLORADO A  
0928 211002 2010-04-01 LOWER COLORADO B  
0928 211003 2010-04-01 LOWER COLORADO C  
0928 211004 2005-03-01 LOWER COLORADO D  
0928 211005 2010-04-01 LOWER COLORADO E  
0928 211006 2010-04-01 LOWER COLORADO F  
0928 211007 2010-04-01 LOWER COLORADO G  
0928 211008 2010-04-01 LOWER COLORADO H  
0928 211009 2006-07-01 LOWER COLORADO I  
0928 211010 2008-06-01 LOWER COLORADO J  
0928 211011 2006-07-01 LOWER COLORADO K  
0928 211012 2007-11-01 LOWER COLORADO L  
0928 211013 2011-02-01 LOWER COLORADO M  
0928 211014 2008-12-01 LOWER COLORADO N  
0928 211015 2010-05-01 LOWER COLORADO O  
0928 211016 2010-10-01 LOWER COLORADO P  
0928 211017 2010-10-01 LOWER COLORADO Q  
0928 211018 2015-08-01 LOWER COLORADO R

0928 218004 2001-02-01 VIKING D  
0928 218005 2001-02-01 VIKING E  
0928 218007 2001-02-01 VIKING G  
0928 218009 2006-04-01 VIKING I

**POOL DESIGNATION (cont'd)**

0928 218010 2009-04-01	VIKING J
0928 218013 2013-12-01	VIKING M
0928 218014 2015-03-01	VIKING N
0928 218018 2006-05-01	VIKING R
0928 218019 2008-06-01	VIKING S
0928 218021 2007-11-01	VIKING U
0928 218022 2007-11-01	VIKING V
0928 218025 2010-04-01	VIKING Y
0928 218026 2010-04-01	VIKING Z
0928 218027 2013-09-01	VIKING AA
0928 218028 2013-09-01	VIKING BB
0928 218029 2013-09-01	VIKING CC
0928 218030 2013-09-01	VIKING DD
0928 218031 2015-08-01	VIKING EE
0928 218032 2015-08-01	VIKING FF
0928 250001 2008-12-01	UPPER MANNVILLE A
0928 250002 2015-08-01	UPPER MANNVILLE B
0928 250003 2015-08-01	UPPER MANNVILLE C
0928 256000 2010-04-01	COLONY
0928 256002 2001-02-01	COLONY B
0928 256003 2010-04-01	COLONY C
0928 256004 2001-02-01	COLONY D
0928 256007 2001-02-01	COLONY G
0928 256016 2005-06-01	COLONY P
0928 256018 2001-02-01	COLONY R
0928 256019 2001-02-01	COLONY S
0928 256022 2010-04-01	COLONY V
0928 256023 2010-04-01	COLONY W
0928 256025 2001-02-01	COLONY Y
0928 256026 2001-02-01	COLONY Z
0928 256027 2001-02-01	COLONY AA
0928 256028 2001-02-01	COLONY BB
0928 256029 2001-10-01	COLONY CC
0928 256030 2001-02-01	COLONY DD
0928 256031 2001-02-01	COLONY EE
0928 256032 2006-06-01	COLONY FF

**POOL DESIGNATION (cont'd)**

0928 256034	2001-02-01	COLONY HH
0928 256035	2001-02-01	COLONY II
0928 256036	2010-04-01	COLONY JJ
0928 256037	2001-11-01	COLONY KK
0928 256038	2001-02-01	COLONY LL
0928 256039	2001-02-01	COLONY MM
0928 256040	2001-02-01	COLONY NN
0928 256041	2001-02-01	COLONY OO
0928 256042	2001-02-01	COLONY PP
0928 256043	2001-02-01	COLONY QQ
0928 256044	2001-02-01	COLONY RR
0928 256045	2001-02-01	COLONY SS
0928 256046	2001-02-01	COLONY TT
0928 256047	2001-02-01	COLONY UU
0928 256048	2001-02-01	COLONY VV
0928 256049	2001-02-01	COLONY WW
0928 256050	2001-02-01	COLONY XX
0928 256051	2001-02-01	COLONY YY
0928 256052	2010-04-01	COLONY ZZ
0928 256401	2001-02-01	COLONY AAA
0928 256402	2001-02-01	COLONY BBB
0928 256403	2001-02-01	COLONY CCC
0928 256404	2001-02-01	COLONY DDD
0928 256405	2001-02-01	COLONY EEE
0928 256406	2001-02-01	COLONY FFF
0928 256407	2001-02-01	COLONY GGG
0928 256408	2001-02-01	COLONY HHH
0928 256409	2001-02-01	COLONY III
0928 256410	2001-02-01	COLONY JJJ
0928 256411	2001-02-01	COLONY KKK
0928 256412	2001-02-01	COLONY LLL
0928 256413	2001-02-01	COLONY MMM
0928 256414	2001-02-01	COLONY NNN
0928 256415	2001-02-01	COLONY OOO
0928 256416	2001-02-01	COLONY PPP
0928 256417	2001-02-01	COLONY QQQ
0928 256418	2001-02-01	COLONY RRR
0928 256419	2001-02-01	COLONY SSS

**POOL DESIGNATION (cont'd)**

0928 256420 2001-02-01	COLONY TTT
0928 256421 2001-02-01	COLONY UUU
0928 256422 2001-02-01	COLONY VVV
0928 256423 2001-02-01	COLONY WWW
0928 256424 2001-02-01	COLONY XXX
0928 256425 2001-02-01	COLONY YYY
0928 256426 2001-02-01	COLONY ZZZ
0928 256427 2001-02-01	COLONY A2A
0928 256428 2001-02-01	COLONY B2B
0928 256429 2001-02-01	COLONY C2C
0928 256430 2018-08-01	COLONY D2D
0928 256431 2001-02-01	COLONY E2E
0928 256432 2001-10-01	COLONY F2F
0928 256433 2001-02-01	COLONY G2G
0928 256434 2010-04-01	COLONY H2H
0928 256435 2001-02-01	COLONY I2I
0928 256436 2001-02-01	COLONY J2J
0928 256438 2001-02-01	COLONY L2L
0928 256439 2001-02-01	COLONY M2M
0928 256440 2001-02-01	COLONY N2N
0928 256441 2001-02-01	COLONY O2O
0928 256442 2001-02-01	COLONY P2P
0928 256443 2001-02-01	COLONY Q2Q
0928 256444 2001-03-01	COLONY R2R
0928 256445 2010-04-01	COLONY S2S
0928 256446 2001-12-01	COLONY T2T
0928 256447 2002-03-01	COLONY U2U
0928 256448 2002-08-01	COLONY V2V
0928 256449 2003-02-01	COLONY W2W
0928 256450 2010-04-01	COLONY X2X
0928 256451 2003-04-01	COLONY Y2Y
0928 256452 2003-12-01	COLONY Z2Z
0928 258701 2004-02-01	COLONY A3A
0928 258702 2010-04-01	COLONY B3B
0928 258703 2005-06-01	COLONY C3C
0928 258704 2005-07-01	COLONY D3D
0928 258705 2006-06-01	COLONY E3E
0928 258706 2007-08-01	COLONY F3F

**POOL DESIGNATION (cont'd)**

0928 258707 2008-05-01	COLONY G3G
0928 258708 2008-10-01	COLONY H3H
0928 258709 2010-12-01	COLONY I3I
0928 258710 2013-06-01	COLONY J3J
0928 258711 2013-11-01	COLONY K3K
0928 258712 2014-03-01	COLONY L3L
0928 258713 2014-03-01	COLONY M3M
0928 258714 2014-03-01	COLONY N3N
0928 258715 2014-03-01	COLONY O3O
0928 258716 2015-08-01	COLONY P3P
0928 258717 2015-08-01	COLONY Q3Q
0928 258718 2015-08-01	COLONY R3R
0928 258719 2015-08-01	COLONY S3S
0928 258720 2015-08-01	COLONY T3T
0928 258721 2015-08-01	COLONY U3U
0928 258722 2015-08-01	COLONY V3V
0928 258723 2015-08-01	COLONY W3W
0928 258724 2015-08-01	COLONY X3X
0928 258725 2015-08-01	COLONY Y3Y
0928 258726 2015-08-01	COLONY Z3Z
0928 258727 2015-08-01	COLONY A4A
0928 258728 2015-08-01	COLONY B4B
0928 258729 2015-08-01	COLONY C4C
0928 258730 2015-08-01	COLONY D4D
0928 258731 2015-08-01	COLONY E4E
0928 268001 2001-02-01	MCLAREN A
0928 268002 2001-02-01	MCLAREN B
0928 268003 2009-01-01	MCLAREN C
0928 268004 2014-02-01	MCLAREN D
0928 276002 2010-04-01	SPARKY B
0928 276003 2001-02-01	SPARKY C
0928 276005 2001-02-01	SPARKY E
0928 276006 2016-03-01	SPARKY F
0928 276014 2001-02-01	SPARKY N
0928 276016 2001-02-01	SPARKY P
0928 276018 2001-02-01	SPARKY R

**POOL DESIGNATION (cont'd)**

0928 276024 2001-02-01	SPARKY X
0928 276025 2001-02-01	SPARKY Y
0928 276026 2011-10-01	SPARKY Z
0928 276027 2003-08-01	SPARKY AA
0928 276028 2001-02-01	SPARKY BB
0928 276029 2018-09-01	SPARKY CC
0928 276030 2001-02-01	SPARKY DD
0928 276031 2001-02-01	SPARKY EE
0928 276032 2001-02-01	SPARKY FF
0928 276033 2001-02-01	SPARKY GG
0928 276034 2003-03-01	SPARKY HH
0928 276035 2004-02-01	SPARKY II
0928 276036 2004-03-01	SPARKY JJ
0928 276037 2005-07-01	SPARKY KK
0928 276038 2007-11-01	SPARKY LL
0928 276039 2009-05-01	SPARKY MM
0928 276040 2009-07-01	SPARKY NN
0928 276041 2013-07-01	SPARKY OO
0928 276042 2013-07-01	SPARKY PP
0928 276043 2015-11-01	SPARKY QQ
0928 276044 2016-01-01	SPARKY RR
0928 276045 2015-08-01	SPARKY SS
0928 276046 2015-08-01	SPARKY TT
0928 276047 2015-08-01	SPARKY UU
0928 276048 2015-08-01	SPARKY VV
0928 278000 2011-11-01	WAINWRIGHT
0928 278004 2015-08-01	WAINWRIGHT D
0928 278005 2015-08-01	WAINWRIGHT E
0928 278006 2015-08-01	WAINWRIGHT F
0928 278007 2015-08-01	WAINWRIGHT G
0928 286001 2001-02-01	GENERAL PETROLEUM A
0928 286002 2001-02-01	GENERAL PETROLEUM B
0928 286003 2001-02-01	GENERAL PETROLEUM C
0928 286004 2011-08-01	GENERAL PETROLEUM D
0928 288001 2001-02-01	REX A

**POOL DESIGNATION (cont'd)**

0928 288002 2005-01-01	REX B
0928 288003 2010-04-01	REX C
0928 288004 2010-04-01	REX D
0928 288005 2011-05-01	REX E
0928 288006 2013-03-01	REX F
0928 294001 2001-02-01	LLOYDMINSTER A
0928 294002 2001-02-01	LLOYDMINSTER B
0928 294003 2001-02-01	LLOYDMINSTER C
0928 294004 2001-02-01	LLOYDMINSTER D
0928 294005 2001-02-01	LLOYDMINSTER E
0928 294006 2001-02-01	LLOYDMINSTER F
0928 294007 2001-02-01	LLOYDMINSTER G
0928 294008 2008-05-01	LLOYDMINSTER H
0928 294009 2012-07-01	LLOYDMINSTER I
0928 294010 2015-08-01	LLOYDMINSTER J
0928 294011 2015-08-01	LLOYDMINSTER K
0928 350002 2001-02-01	DETRITAL B
0928 696001 2013-03-01	NISKU A
0928 696005 2001-02-01	NISKU E
0928 696006 2001-02-01	NISKU F
0928 696007 2001-02-01	NISKU G
0928 696008 2013-07-01	NISKU H
0928 696009 2013-07-01	NISKU I
0928 696010 2013-07-01	NISKU J
0928 708001 2010-04-01	CAMROSE A
0928 708006 2013-09-01	CAMROSE F
0928 720001 2013-03-01	LEDUC A
0928 720002 2013-05-01	LEDUC B
0928 851800 2014-03-01	MFP8518 U&M VIKING



**SPACING PATTERN**

SU 4021 27 Aug 2002  
 SU 4021A 25 Oct 2002  
 SU 4021B 30 May 2003  
 SU 4021C 5 Sep 2003  
 SU 4021D 22 May 2007

**COMMINGLED PRODUCTION**

MU 8752 12 Aug 2015

**ENHANCED RECOVERY SCHEMES**

App 1856I 19 Jun 2018  
 Waterflood  
 Wainwright and Sparky A  
 Surge Energy Inc.

App 7464F 9 Nov 2009  
 Waterflood  
 Wainwright  
 Husky Oil Operations Limited

App 3380E 17 Jul 2014  
 Waterflood  
 Wainwright  
 Freemont Resources Ltd.

App 3509I 20 Jan 2015  
 Waterflood  
 Wainwright  
 Surge Energy Inc.

App 3551E 20 Jan 2015  
 Waterflood  
 Wainwright  
 Surge Energy Inc.

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

App 3553I 26 Jan 2015  
 Waterflood  
 Wainwright  
 Surge Energy Inc.

App 3554E 20 Jan 2015  
 Waterflood  
 Wainwright  
 Surge Energy Inc.

App 3572O 26 Jan 2015  
 Waterflood  
 Wainwright  
 Surge Energy Inc.

App 3773 23 Feb 1983

App 3773A 2 Apr 1985

App 3773B 11 Aug 1986

App 3773E 17 Jul 2014  
 Waterflood  
 Wainwright  
 Freemont Resources Ltd.

App 3874A 5 Dec 2013  
 Waterflood  
 Wainwright C  
 Husky Oil Operations Ltd.

App 3958L 26 Jul 2016  
 Waterflood  
 Wainwright  
 Cardinal Energy Ltd.

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

App 4569G 8 Dec 2015  
Waterflood  
Wainwright  
Cardinal Energy Ltd.

App 4819D 13 Oct 2016  
Waterflood  
Wainwright  
Husky Oil Operations Ltd.

App 4941E 17 Jul 2014  
Waterflood  
Wainwright and Sparky Z  
Freemont Resources Ltd.

App 5080A 11 Jul 2014  
Waterflood  
Wainwright  
Depar Management Ltd.

App 5108J 27 Jan 2015  
Waterflood  
Wainwright  
Surge Energy Inc.

App 5324D 20 Sep 2016  
Waterflood  
Wainwright  
Husky Oil Operations Ltd.

App 5445F 27 Jan 2015  
Waterflood  
Wainwright  
Surge Energy Inc.

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

App 5636B 13 Oct 2016  
Waterflood  
Sparky A  
Husky Oil Operations Ltd.

App 6074B 17 Jul 2014  
Waterflood  
Wainwright and Sparky A  
Freemont Resources Ltd.

App 6352C 6 Feb 2018  
Waterflood  
Wainwright  
Unit 18 Corp.

App 7267A 7 Jan 2014  
Waterflood  
Wainwright and Sparky A  
Halvar Resources Ltd.

App 7464G 5 Apr 2016  
Waterflood  
Wainwright  
Husky Oil Operations Limited

App 9721D 27 Jan 2015  
Waterflood  
Wainwright B  
Surge Energy Inc.

App 12602A 13 Oct 2017  
Waterflood  
Sparky F  
Broadview Energy Ltd.

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

App 12755 24 Jul 2018  
Waterflood  
Wainwright E  
Vital Energy Inc.

**SUBSURFACE DISPOSAL SCHEMES**

App 9132E 14 Aug 2018  
Class II  
Surge Energy Inc.

App 12477 27 Nov 2015  
Class II  
Broadview Energy Ltd.

**COMPULSORY POOLING**

P 40 29 Dec 1976  
Gas  
01-045-06W4M  
Compass Resources Ltd.

P 44 3 May 1978  
Gas  
07-045-05W4M  
Compass Resources Ltd.

P 49 8 Apr 1980

P 49A 3 Mar 2014  
Gas  
07-045-05W4M  
Trans-Canada Resources Ltd.

**COMPULSORY POOLING (cont'd)**

P 74 19 Jun 1985  
Oil  
15-019-45-06W4M  
Husky Oil Operations Ltd.

P 159 10 Mar 1997  
P 159A 20 Mar 2000  
P159B 2 Apr 2014  
Gas  
13-045-07W4M  
Surge Energy Inc.

P 171 21 Oct 1998  
P 171A 19 Apr 2001  
P 171B 15 Apr 2008  
Gas  
15-045-07W4M  
Penn West Petroleum Ltd.

P 189 13 Mar 2000

P 189A 25 Feb 2011

P 189B 27 Sep 2011  
Gas  
07-044-05W4M  
Endurance Energy Ltd.

P 190 13 Mar 2000

P 190A 25 Feb 2011

P 190B 27 Sep 2011  
Oil  
NW/4 07-044-05W4M  
Endurance Energy Ltd.

**COMPULSORY POOLING (cont'd)**

P 315            20 Mar 2007  
Gas  
13-044-06W4M  
Can-Able Energy Ltd.

P 316            14 Mar 2007  
Gas  
13-044-06W4M  
Can-Able Energy Ltd.

P 323            13 Jun 2007  
Gas  
15-044-06W4M  
Can-Able Energy Ltd.

P 429            27 Jun 2012

P 429A          29 Jul 2013  
Oil  
13-045-06W4M  
Halvar Resources Ltd.

**FIELD DESIGNATION**

0953 2016-01-01                      WAPITI FIELD

**POOL DESIGNATION**

0953 126002 2003-04-01      BELLY RIVER B  
0953 126003 2001-02-01      BELLY RIVER C  
0953 126006 2001-02-01      BELLY RIVER F  
0953 126007 2004-06-01      BELLY RIVER G  
0953 126009 2002-02-01      BELLY RIVER I  
0953 126010 2003-02-01      BELLY RIVER J  
0953 126011 2003-02-01      BELLY RIVER K  
0953 126012 2003-02-01      BELLY RIVER L  
0953 126013 2003-07-01      BELLY RIVER M  
0953 126014 2010-04-01      BELLY RIVER N  
0953 126015 2010-04-01      BELLY RIVER O  
0953 126016 2005-11-01      BELLY RIVER P  
0953 126017 2005-08-01      BELLY RIVER Q  
0953 126018 2010-04-01      BELLY RIVER R  
0953 126019 2010-04-01      BELLY RIVER S  
0953 126020 2006-08-01      BELLY RIVER T  
0953 126021 2006-08-01      BELLY RIVER U  
0953 126022 2006-10-01      BELLY RIVER V  
0953 126023 2006-10-01      BELLY RIVER W  
0953 126024 2006-10-01      BELLY RIVER X  
0953 126025 2007-02-01      BELLY RIVER Y  
0953 126026 2007-11-01      BELLY RIVER Z  
0953 126027 2010-04-01      BELLY RIVER AA  
0953 126029 2009-03-01      BELLY RIVER CC  
0953 126030 2009-03-01      BELLY RIVER DD  
0953 126031 2008-12-01      BELLY RIVER EE  
0953 126032 2009-03-01      BELLY RIVER FF  
0953 126033 2009-08-01      BELLY RIVER GG  
0953 126036 2009-09-01      BELLY RIVER JJ  
0953 126037 2010-04-01      BELLY RIVER KK  
0953 126038 2010-04-01      BELLY RIVER LL  
0953 126039 2010-04-01      BELLY RIVER MM

**POOL DESIGNATION (cont'd)**

0953 126040 2010-04-01	BELLY RIVER NN
0953 126041 2010-04-01	BELLY RIVER OO
0953 126042 2010-04-01	BELLY RIVER PP
0953 126043 2010-04-01	BELLY RIVER QQ
0953 126044 2010-04-01	BELLY RIVER RR
0953 126045 2010-04-01	BELLY RIVER SS
0953 126046 2010-04-01	BELLY RIVER TT
0953 126047 2010-04-01	BELLY RIVER UU
0953 126048 2010-04-01	BELLY RIVER VV
0953 126049 2009-12-01	BELLY RIVER WW
0953 126050 2010-01-01	BELLY RIVER XX
0953 126051 2010-08-01	BELLY RIVER YY
0953 126052 2010-10-01	BELLY RIVER ZZ
0953 126302 2011-12-01	BELLY RIVER BBB
0953 126303 2011-12-01	BELLY RIVER CCC
0953 126304 2012-01-01	BELLY RIVER DDD
0953 126305 2011-12-01	BELLY RIVER EEE
0953 126306 2012-05-01	BELLY RIVER FFF
0953 126307 2012-08-01	BELLY RIVER GGG
0953 126308 2012-07-01	BELLY RIVER HHH
0953 126309 2012-08-01	BELLY RIVER III
0953 126310 2012-08-01	BELLY RIVER JJJ
0953 126311 2012-08-01	BELLY RIVER KKK
0953 126312 2012-11-01	BELLY RIVER LLL
0953 126313 2012-11-01	BELLY RIVER MMM
0953 126314 2013-04-01	BELLY RIVER NNN
0953 126315 2013-07-01	BELLY RIVER OOO
0953 126316 2013-12-01	BELLY RIVER PPP
0953 134001 2010-09-01	BASAL BELLY RIVER A
0953 134002 2013-12-01	BASAL BELLY RIVER B
0953 134003 2009-12-01	BASAL BELLY RIVER C
0953 134004 2009-12-01	BASAL BELLY RIVER D
0953 134005 2012-02-01	BASAL BELLY RIVER E
0953 134006 2010-04-01	BASAL BELLY RIVER F
0953 134008 2011-12-01	BASAL BELLY RIVER H
0953 134009 2012-05-01	BASAL BELLY RIVER I

**POOL DESIGNATION (cont'd)**

0953 154002 2009-09-01	CHINOOK B
0953 154006 2008-10-01	CHINOOK F
0953 166001 2011-09-01	BADHEART A
0953 166002 2013-09-01	BADHEART B
0953 176001 2018-06-01	CARDIUM A
0953 176002 2010-08-01	CARDIUM B
0953 176005 2001-02-01	CARDIUM E
0953 176006 2009-11-01	CARDIUM F
0953 176008 2011-02-01	CARDIUM H
0953 176014 2008-12-01	CARDIUM N
0953 176016 2009-03-01	CARDIUM P
0953 176017 2009-03-01	CARDIUM Q
0953 176019 2011-04-01	CARDIUM S
0953 176020 2013-08-01	CARDIUM T
0953 176021 2011-05-01	CARDIUM U
0953 176022 2011-05-01	CARDIUM V
0953 176023 2017-11-01	CARDIUM W
0953 176025 2011-12-01	CARDIUM Y
0953 176026 2017-11-01	CARDIUM Z
0953 176027 2017-11-01	CARDIUM AA
0953 176029 2014-04-01	CARDIUM CC
0953 176030 2012-05-01	CARDIUM DD
0953 176031 2016-04-01	CARDIUM EE
0953 176032 2017-11-01	CARDIUM FF
0953 176033 2015-05-01	CARDIUM GG
0953 176034 2013-04-01	CARDIUM HH
0953 176035 2013-08-01	CARDIUM II
0953 176036 2013-09-01	CARDIUM JJ
0953 176037 2013-09-01	CARDIUM KK
0953 176038 2013-09-01	CARDIUM LL
0953 176039 2013-10-01	CARDIUM MM
0953 176040 2013-10-01	CARDIUM NN
0953 190001 2012-07-01	DOE CREEK A
0953 192002 2017-11-01	DUNVEGAN B

**POOL DESIGNATION (cont'd)**

0953 192005	2001-02-01	DUNVEGAN E
0953 192006	2010-04-01	DUNVEGAN F
0953 192008	2010-11-01	DUNVEGAN H
0953 192009	2006-02-01	DUNVEGAN I
0953 192010	2006-10-01	DUNVEGAN J
0953 192014	2009-08-01	DUNVEGAN N
0953 192017	2013-07-01	DUNVEGAN Q
0953 192018	2011-03-01	DUNVEGAN R
0953 192019	2011-09-01	DUNVEGAN S
0953 192020	2012-05-01	DUNVEGAN T
0953 192021	2013-07-01	DUNVEGAN U
0953 192022	2013-04-01	DUNVEGAN V
0953 192023	2013-06-01	DUNVEGAN W
0953 192024	2013-09-01	DUNVEGAN X

0953 230001	2001-02-01	PADDY A
0953 230003	2003-01-01	PADDY C
0953 230004	2003-05-01	PADDY D
0953 230005	2010-04-01	PADDY E
0953 230006	2006-01-01	PADDY F
0953 230007	2010-04-01	PADDY G
0953 230008	2007-12-01	PADDY H
0953 230009	2007-12-01	PADDY I
0953 230010	2008-01-01	PADDY J
0953 230011	2010-04-01	PADDY K
0953 230012	2011-05-01	PADDY L
0953 230013	2014-04-01	PADDY M
0953 230014	2012-06-01	PADDY N
0953 230015	2013-07-01	PADDY O

0953 232001	2012-03-01	CADOTTE A
0953 232002	2011-02-01	CADOTTE B
0953 232006	2010-04-01	CADOTTE F
0953 232009	2010-04-01	CADOTTE I
0953 232011	2001-02-01	CADOTTE K
0953 232012	2010-04-01	CADOTTE L
0953 232013	2001-02-01	CADOTTE M
0953 232014	2012-03-01	CADOTTE N



**POOL DESIGNATION (cont'd)**

0953 232016 2011-09-01	CADOTTE P
0953 232017 2010-04-01	CADOTTE Q
0953 232018 2010-12-01	CADOTTE R
0953 232021 2010-04-01	CADOTTE U
0953 232024 2013-07-01	CADOTTE X
0953 232025 2011-08-01	CADOTTE Y
0953 232027 2011-12-01	CADOTTE AA
0953 232028 2002-02-01	CADOTTE BB
0953 232029 2011-03-01	CADOTTE CC
0953 232030 2010-04-01	CADOTTE DD
0953 232031 2002-05-01	CADOTTE EE
0953 232032 2002-09-01	CADOTTE FF
0953 232033 2011-11-01	CADOTTE GG
0953 232035 2010-02-01	CADOTTE II
0953 232036 2003-08-01	CADOTTE JJ
0953 232037 2010-09-01	CADOTTE KK
0953 232040 2006-02-01	CADOTTE NN
0953 232044 2010-02-01	CADOTTE RR
0953 232047 2005-02-01	CADOTTE UU
0953 232048 2005-08-01	CADOTTE VV
0953 232051 2011-08-01	CADOTTE YY
0953 232052 2010-04-01	CADOTTE ZZ
0953 233205 2006-10-01	CADOTTE EEE
0953 233210 2010-04-01	CADOTTE JJJ
0953 233213 2010-04-01	CADOTTE MMM
0953 233214 2007-12-01	CADOTTE NNN
0953 233218 2010-04-01	CADOTTE RRR
0953 233219 2008-05-01	CADOTTE SSS
0953 233225 2009-03-01	CADOTTE YYY
0953 233227 2009-02-01	CADOTTE A2A
0953 233228 2010-04-01	CADOTTE B2B
0953 233229 2009-12-01	CADOTTE C2C
0953 233230 2010-05-01	CADOTTE D2D
0953 233231 2010-10-01	CADOTTE E2E
0953 233232 2011-03-01	CADOTTE F2F
0953 264001 2010-04-01	SPIRIT RIVER A
0953 264002 2010-10-01	SPIRIT RIVER B

**POOL DESIGNATION (cont'd)**

0953 264003 2012-06-01	SPIRIT RIVER C
0953 266003 2001-02-01	NOTIKEWIN C
0953 266004 2010-04-01	NOTIKEWIN D
0953 266005 2010-04-01	NOTIKEWIN E
0953 266006 2008-05-01	NOTIKEWIN F
0953 266007 2011-07-01	NOTIKEWIN G
0953 266008 2001-02-01	NOTIKEWIN H
0953 266010 2001-02-01	NOTIKEWIN J
0953 266011 2010-09-01	NOTIKEWIN K
0953 266014 2001-02-01	NOTIKEWIN N
0953 266015 2001-02-01	NOTIKEWIN O
0953 266016 2001-02-01	NOTIKEWIN P
0953 266017 2010-04-01	NOTIKEWIN Q
0953 266018 2001-02-01	NOTIKEWIN R
0953 266020 2001-02-01	NOTIKEWIN T
0953 266021 2001-02-01	NOTIKEWIN U
0953 266022 2010-04-01	NOTIKEWIN V
0953 266026 2010-04-01	NOTIKEWIN Z
0953 266029 2011-08-01	NOTIKEWIN CC
0953 266030 2004-08-01	NOTIKEWIN DD
0953 266034 2002-04-01	NOTIKEWIN HH
0953 266036 2004-04-01	NOTIKEWIN JJ
0953 266037 2004-03-01	NOTIKEWIN KK
0953 266038 2004-09-01	NOTIKEWIN LL
0953 266039 2010-04-01	NOTIKEWIN MM
0953 266041 2004-10-01	NOTIKEWIN OO
0953 266042 2004-12-01	NOTIKEWIN PP
0953 266043 2010-04-01	NOTIKEWIN QQ
0953 266044 2006-01-01	NOTIKEWIN RR
0953 266045 2006-09-01	NOTIKEWIN SS
0953 266046 2010-04-01	NOTIKEWIN TT
0953 266047 2010-04-01	NOTIKEWIN UU
0953 266048 2010-04-01	NOTIKEWIN VV
0953 266049 2012-12-01	NOTIKEWIN WW
0953 266050 2006-01-01	NOTIKEWIN XX
0953 266051 2006-08-01	NOTIKEWIN YY
0953 266052 2007-06-01	NOTIKEWIN ZZ

**POOL DESIGNATION (cont'd)**

0953 267803 2007-02-01	NOTIKEWIN CCC
0953 267804 2011-07-01	NOTIKEWIN DDD
0953 267805 2008-01-01	NOTIKEWIN EEE
0953 267806 2008-01-01	NOTIKEWIN FFF
0953 267808 2010-04-01	NOTIKEWIN HHH
0953 267809 2010-04-01	NOTIKEWIN III
0953 267811 2011-02-01	NOTIKEWIN KKK
0953 267812 2011-01-01	NOTIKEWIN LLL
0953 267813 2011-03-01	NOTIKEWIN MMM
0953 267814 2011-02-01	NOTIKEWIN NNN
0953 267815 2010-10-01	NOTIKEWIN OOO
0953 267816 2012-12-01	NOTIKEWIN PPP

0953 271502 2012-04-01	FALHER B
0953 271503 2016-01-01	FALHER C
0953 271505 2010-09-01	FALHER E
0953 271506 2010-07-01	FALHER F
0953 271507 2007-10-01	FALHER G
0953 271508 2018-02-01	FALHER H
0953 271509 2010-10-01	FALHER I
0953 271511 2010-04-01	FALHER K
0953 271512 2011-09-01	FALHER L
0953 271513 2018-06-01	FALHER M
0953 271515 2007-10-01	FALHER O
0953 271516 2007-10-01	FALHER P
0953 271517 2011-03-01	FALHER Q
0953 271518 2010-04-01	FALHER R
0953 271519 2010-04-01	FALHER S
0953 271520 2012-07-01	FALHER T
0953 271521 2007-10-01	FALHER U
0953 271522 2010-04-01	FALHER V
0953 271523 2007-10-01	FALHER W
0953 271524 2015-01-01	FALHER X
0953 271525 2007-10-01	FALHER Y
0953 271526 2010-04-01	FALHER Z
0953 271528 2008-09-01	FALHER BB
0953 271536 2010-04-01	FALHER JJ
0953 271537 2013-09-01	FALHER KK

**POOL DESIGNATION (cont'd)**

0953 271539 2008-02-01	FALHER MM
0953 271540 2008-08-01	FALHER NN
0953 271541 2009-01-01	FALHER OO
0953 271542 2010-04-01	FALHER PP
0953 271546 2010-04-01	FALHER TT
0953 271547 2010-04-01	FALHER UU
0953 271548 2010-04-01	FALHER VV
0953 271550 2010-04-01	FALHER XX
0953 271551 2009-12-01	FALHER YY
0953 271552 2011-02-01	FALHER ZZ
0953 273902 2010-11-01	FALHER BBB
0953 273903 2011-03-01	FALHER CCC
0953 273904 2012-04-01	FALHER DDD
0953 273905 2011-09-01	FALHER EEE
0953 273906 2011-09-01	FALHER FFF
0953 273907 2014-04-01	FALHER GGG
0953 273908 2012-05-01	FALHER HHH
0953 273909 2012-06-01	FALHER III
0953 273910 2013-04-01	FALHER JJJ
0953 273911 2013-08-01	FALHER KKK
0953 273912 2016-01-01	FALHER LLL
0953 273913 2018-02-01	FALHER MMM
0953 273914 2018-02-01	FALHER NNN
0953 304001 2012-01-01	BLUESKY A
0953 304002 2013-06-01	BLUESKY B
0953 304003 2011-08-01	BLUESKY C
0953 304004 2002-05-01	BLUESKY D
0953 304006 2002-09-01	BLUESKY F
0953 304007 2010-01-01	BLUESKY G
0953 304009 2012-06-01	BLUESKY I
0953 304011 2010-12-01	BLUESKY K
0953 304014 2010-04-01	BLUESKY N
0953 304015 2010-04-01	BLUESKY O
0953 304017 2010-04-01	BLUESKY Q
0953 304018 2010-04-01	BLUESKY R
0953 304020 2005-04-01	BLUESKY T
0953 304023 2008-05-01	BLUESKY W

**POOL DESIGNATION (cont'd)**

0953 304027 2010-04-01	BLUESKY AA
0953 304028 2010-09-01	BLUESKY BB
0953 304030 2008-01-01	BLUESKY DD
0953 304031 2010-04-01	BLUESKY EE
0953 304032 2010-04-01	BLUESKY FF
0953 304033 2010-04-01	BLUESKY GG
0953 304034 2011-09-01	BLUESKY HH
0953 304035 2011-01-01	BLUESKY II
0953 304036 2012-04-01	BLUESKY JJ
0953 304037 2012-04-01	BLUESKY KK
0953 304038 2012-05-01	BLUESKY LL
0953 304039 2013-04-01	BLUESKY MM
0953 304040 2013-06-01	BLUESKY NN
0953 326001 2005-06-01	GETHING A
0953 326002 2001-02-01	GETHING B
0953 326003 2011-01-01	GETHING C
0953 326004 2010-07-01	GETHING D
0953 326005 2009-07-01	GETHING E
0953 326007 2012-07-01	GETHING G
0953 326013 2010-04-01	GETHING M
0953 326016 2010-04-01	GETHING P
0953 326019 2010-04-01	GETHING S
0953 326020 2011-10-01	GETHING T
0953 326021 2007-11-01	GETHING U
0953 326024 2010-04-01	GETHING X
0953 326028 2003-10-01	GETHING BB
0953 326029 2003-12-01	GETHING CC
0953 326030 2015-02-01	GETHING DD
0953 326031 2010-04-01	GETHING EE
0953 326033 2009-05-01	GETHING GG
0953 326035 2010-04-01	GETHING II
0953 326040 2004-10-01	GETHING NN
0953 326605 2012-02-01	GETHING EEE
0953 326611 2006-05-01	GETHING KKK
0953 326616 2006-04-01	GETHING PPP
0953 326622 2006-09-01	GETHING VVV
0953 326628 2010-04-01	GETHING B2B

**POOL DESIGNATION (cont'd)**

0953 326631 2010-04-01	GETHING E2E
0953 326632 2007-12-01	GETHING F2F
0953 326633 2010-04-01	GETHING G2G
0953 326634 2008-01-01	GETHING H2H
0953 326635 2010-04-01	GETHING I2I
0953 326636 2012-01-01	GETHING J2J
0953 326637 2008-08-01	GETHING K2K
0953 326641 2010-04-01	GETHING O2O
0953 326644 2009-01-01	GETHING R2R
0953 326647 2009-05-01	GETHING U2U
0953 326648 2010-04-01	GETHING V2V
0953 326649 2011-07-01	GETHING W2W
0953 326650 2010-04-01	GETHING X2X
0953 326651 2010-03-01	GETHING Y2Y
0953 326652 2011-02-01	GETHING Z2Z
0953 327301 2011-02-01	GETHING A3A
0953 327304 2010-10-01	GETHING D3D
0953 327305 2011-01-01	GETHING E3E
0953 327306 2011-04-01	GETHING F3F
0953 327307 2012-04-01	GETHING G3G
0953 327308 2011-06-01	GETHING H3H
0953 327309 2014-04-01	GETHING I3I
0953 327310 2012-05-01	GETHING J3J
0953 327311 2012-12-01	GETHING K3K
0953 327312 2013-03-01	GETHING L3L
0953 327313 2013-06-01	GETHING M3M
0953 327314 2013-06-01	GETHING N3N
0953 327315 2013-06-01	GETHING O3O
0953 327316 2013-06-01	GETHING P3P
0953 327317 2013-07-01	GETHING Q3Q
0953 348001 2011-03-01	CADOMIN A
0953 348004 2015-02-01	CADOMIN D
0953 348010 2007-03-01	CADOMIN J
0953 348011 2009-12-01	CADOMIN K
0953 348019 2002-05-01	CADOMIN S
0953 348042 2013-05-01	CADOMIN PP
0953 348704 2010-04-01	CADOMIN DDD

**POOL DESIGNATION (cont'd)**

0953 348709 2013-08-01	CADOMIN III
0953 348712 2011-08-01	CADOMIN LLL
0953 348719 2010-04-01	CADOMIN SSS
0953 348723 2010-04-01	CADOMIN WWW
0953 348725 2010-04-01	CADOMIN YYY
0953 348746 2008-01-01	CADOMIN T2T
0953 348747 2010-04-01	CADOMIN U2U
0953 348752 2008-08-01	CADOMIN Z2Z
0953 348918 2011-07-01	CADOMIN R3R
0953 348922 2011-04-01	CADOMIN V3V
0953 348923 2011-11-01	CADOMIN W3W
0953 348924 2012-12-01	CADOMIN X3X
0953 348925 2013-01-01	CADOMIN Y3Y
0953 348926 2013-02-01	CADOMIN Z3Z
0953 348927 2013-03-01	CADOMIN A4A
0953 348928 2013-06-01	CADOMIN B4B
0953 408004 2007-10-01	NIKANASSIN D
0953 408006 2013-07-01	NIKANASSIN F
0953 408007 2010-04-01	NIKANASSIN G
0953 408014 2007-10-01	NIKANASSIN N
0953 408017 2010-11-01	NIKANASSIN Q
0953 408020 2006-07-01	NIKANASSIN T
0953 408022 2010-10-01	NIKANASSIN V
0953 408024 2013-12-01	NIKANASSIN X
0953 408036 2014-04-01	NIKANASSIN JJ
0953 408044 2010-04-01	NIKANASSIN RR
0953 408047 2013-06-01	NIKANASSIN UU
0953 408050 2010-04-01	NIKANASSIN XX
0953 408602 2010-04-01	NIKANASSIN BBB
0953 408609 2008-01-01	NIKANASSIN III
0953 408610 2008-01-01	NIKANASSIN JJJ
0953 408611 2010-04-01	NIKANASSIN KKK
0953 408613 2008-01-01	NIKANASSIN MMM
0953 408614 2010-04-01	NIKANASSIN NNN
0953 408617 2008-08-01	NIKANASSIN QQQ
0953 408619 2010-04-01	NIKANASSIN SSS
0953 408629 2011-02-01	NIKANASSIN C2C

**POOL DESIGNATION (cont'd)**

0953 408631 2010-04-01	NIKANASSIN E2E
0953 408637 2011-07-01	NIKANASSIN K2K
0953 408638 2010-07-01	NIKANASSIN L2L
0953 408640 2010-05-01	NIKANASSIN N2N
0953 408641 2010-05-01	NIKANASSIN O2O
0953 408642 2010-10-01	NIKANASSIN P2P
0953 408643 2011-05-01	NIKANASSIN Q2Q
0953 408645 2010-09-01	NIKANASSIN S2S
0953 408646 2010-10-01	NIKANASSIN T2T
0953 408647 2011-02-01	NIKANASSIN U2U
0953 408648 2011-02-01	NIKANASSIN V2V
0953 408649 2011-08-01	NIKANASSIN W2W
0953 408650 2011-04-01	NIKANASSIN X2X
0953 408651 2011-04-01	NIKANASSIN Y2Y
0953 408652 2011-10-01	NIKANASSIN Z2Z
0953 408701 2011-09-01	NIKANASSIN A3A
0953 408702 2013-03-01	NIKANASSIN B3B
0953 408703 2013-04-01	NIKANASSIN C3C
0953 408704 2013-06-01	NIKANASSIN D3D
0953 408705 2013-07-01	NIKANASSIN E3E
0953 408706 2013-09-01	NIKANASSIN F3F
0953 408707 2013-12-01	NIKANASSIN G3G
0953 508001 2008-07-01	CHARLIE LAKE A
0953 508002 2011-03-01	CHARLIE LAKE B
0953 508003 2013-09-01	CHARLIE LAKE C
0953 516001 2001-02-01	HALFWAY A
0953 516004 2007-01-01	HALFWAY D
0953 516005 2005-12-01	HALFWAY E
0953 516006 2007-11-01	HALFWAY F
0953 516007 2010-04-01	HALFWAY G
0953 516008 2013-09-01	HALFWAY H
0953 520001 2002-02-01	DOIG A
0953 524002 2011-05-01	MONTNEY B
0953 524003 2013-06-01	MONTNEY C



**POOL DESIGNATION (cont'd)**

0953 524004 2013-09-01	MONTNEY D
0953 524005 2013-10-01	MONTNEY E
0953 524006 2017-12-01	MONTNEY F
0953 524007 2014-04-01	MONTNEY G
0953 524008 2014-03-01	MONTNEY H
0953 524009 2015-02-01	MONTNEY I
0953 524010 2015-02-01	MONTNEY J
0953 524011 2015-02-01	MONTNEY K
0953 524012 2015-02-01	MONTNEY L
0953 524013 2015-02-01	MONTNEY M
0953 524014 2015-02-01	MONTNEY N
0953 524015 2015-02-01	MONTNEY O
0953 524016 2015-02-01	MONTNEY P
0953 524017 2015-02-01	MONTNEY Q
0953 524018 2015-02-01	MONTNEY R
0953 524019 2015-04-01	MONTNEY S
0953 524020 2017-12-01	MONTNEY T
0953 524021 2015-02-01	MONTNEY U
0953 524022 2017-12-01	MONTNEY V
0953 524023 2017-12-01	MONTNEY W
0953 524024 2017-12-01	MONTNEY X
0953 524025 2017-12-01	MONTNEY Y
0953 524026 2017-12-01	MONTNEY Z
0953 556001 2002-03-01	BELLOY A
0953 658001 2013-09-01	WABAMUN A
0953 856800 2013-07-01	MFP8568 GETHING
0953 856900 2013-07-01	MFP8569 CADOMIN
0953 857000 2013-07-01	MFP8570 CADOMIN
0953 857600 2014-01-01	MFP8576 GETHING
0953 857800 2014-01-01	MFP8578 NIKANASSIN

**POOL DESIGNATION (cont'd)**

0953 858100 2013-05-01 MFP8581 NIKANASSIN

**SPACING PATTERN**

SU 4354 13 Dec 2006  
SU 4354A 8 Feb 2007

**COMMINGLED PRODUCTION**

MU 8591 23 Jan 2014

**SUBSURFACE DISPOSAL SCHEMES**

App 12579B 24 Jul 2018  
Acid Gas  
Keyera Energy Ltd.

App 12693 7 Feb 2018  
Class II  
Canadian Natural Resources Limited

App 12753 10 Jul 2018  
Class II & Ib  
Paramount Resources Ltd.

App 12772 19 Jul 2018  
Acid Gas  
NuVista Energy Ltd.

**FIELD DESIGNATION**

1291 2010-10-01                      WAPPAU FIELD

**POOL DESIGNATION**

1291 262003 2001-02-01      GRAND RAPIDS C  
1291 262005 2001-02-01      GRAND RAPIDS E  
1291 262006 2001-02-01      GRAND RAPIDS F  
1291 262007 2001-03-01      GRAND RAPIDS G  
1291 262008 2010-11-01      GRAND RAPIDS H  
1291 262009 2010-10-01      GRAND RAPIDS I

**SUBSURFACE DISPOSAL SCHEMES**

App 9599      16 Sep 2003  
Class II  
Canadian Natural Resources Limited

**FIELD DESIGNATION**

1292 2014-04-01                      WARNER FIELD

**POOL DESIGNATION**

1292 164001 2010-04-01            MEDICINE HAT A  
1292 164002 2009-12-01            MEDICINE HAT B  
1292 164007 2010-12-01            MEDICINE HAT G

1292 186002 2006-04-01            SECOND WHITE SPECKS B  
1292 186003 2007-12-01            SECOND WHITE SPECKS C  
1292 186004 2008-11-01            SECOND WHITE SPECKS D

1292 202001 2010-04-01            FISH SCALE A  
1292 202002 2010-04-01            FISH SCALE B  
1292 202003 2010-04-01            FISH SCALE C  
1292 202004 2006-05-01            FISH SCALE D  
1292 202005 2008-11-01            FISH SCALE E

1292 204001 2012-04-01            BARONS A  
1292 204002 2011-09-01            BARONS B  
1292 204007 2007-10-01            BARONS G  
1292 204008 2008-06-01            BARONS H  
1292 204009 2008-11-01            BARONS I  
1292 204011 2014-04-01            BARONS K

1292 213002 2011-09-01            BOW ISLAND B  
1292 213004 2011-09-01            BOW ISLAND D  
1292 213005 2002-08-01            BOW ISLAND E  
1292 213007 2013-08-01            BOW ISLAND G  
1292 213009 2010-04-01            BOW ISLAND I  
1292 213010 2010-04-01            BOW ISLAND J  
1292 213012 2004-11-01            BOW ISLAND L  
1292 213013 2004-11-01            BOW ISLAND M  
1292 213014 2010-04-01            BOW ISLAND N  
1292 213016 2006-04-01            BOW ISLAND P  
1292 213017 2010-04-01            BOW ISLAND Q

**POOL DESIGNATION (cont'd)**

1292 213019 2010-04-01	BOW ISLAND S
1292 213020 2006-01-01	BOW ISLAND T
1292 213021 2006-01-01	BOW ISLAND U
1292 213022 2006-02-01	BOW ISLAND V
1292 213023 2006-02-01	BOW ISLAND W
1292 213024 2010-04-01	BOW ISLAND X
1292 213025 2011-09-01	BOW ISLAND Y
1292 213026 2010-04-01	BOW ISLAND Z
1292 213027 2010-04-01	BOW ISLAND AA
1292 213028 2010-04-01	BOW ISLAND BB
1292 213029 2007-10-01	BOW ISLAND CC
1292 213030 2007-10-01	BOW ISLAND DD
1292 213031 2007-12-01	BOW ISLAND EE
1292 213032 2007-12-01	BOW ISLAND FF
1292 213033 2007-12-01	BOW ISLAND GG
1292 213034 2008-06-01	BOW ISLAND HH
1292 213035 2008-11-01	BOW ISLAND II
1292 213036 2008-11-01	BOW ISLAND JJ
1292 213037 2008-11-01	BOW ISLAND KK
1292 213038 2008-11-01	BOW ISLAND LL
1292 213039 2008-11-01	BOW ISLAND MM
1292 213040 2010-04-01	BOW ISLAND NN
1292 213041 2010-04-01	BOW ISLAND OO
1292 213042 2008-11-01	BOW ISLAND PP
1292 213043 2009-03-01	BOW ISLAND QQ
1292 213044 2011-07-01	BOW ISLAND RR
1292 213045 2011-07-01	BOW ISLAND SS
1292 628001 2001-02-01	LIVINGSTONE A
1292 855200 2010-04-01	MFP8552 BOW ISLAND

**SPACING PATTERN**

SU 4299	1 Sep 2005
SU 4299A	22 Oct 2005

**COMMINGLED PRODUCTION**

MU 7544	5 Oct 2010
---------	------------

**SPACING PATTERN**

SU 2752      27 Mar 1996

**FIELD DESIGNATION**

0932 2011-01-01                      WARSPITE FIELD

**POOL DESIGNATION**

0932 250001 2001-02-01            UPPER MANNVILLE A  
0932 250002 2001-02-01            UPPER MANNVILLE B  
0932 250003 2004-09-01            UPPER MANNVILLE C  
0932 250004 2001-02-01            UPPER MANNVILLE D  
0932 250005 2001-02-01            UPPER MANNVILLE E  
0932 250006 2001-02-01            UPPER MANNVILLE F  
0932 250007 2001-02-01            UPPER MANNVILLE G  
0932 250008 2001-02-01            UPPER MANNVILLE H  
0932 250009 2001-02-01            UPPER MANNVILLE I  
0932 250010 2009-05-01            UPPER MANNVILLE J  
0932 250011 2009-05-01            UPPER MANNVILLE K  
0932 250012 2001-02-01            UPPER MANNVILLE L  
0932 250013 2001-02-01            UPPER MANNVILLE M  
0932 250014 2010-04-01            UPPER MANNVILLE N  
0932 250015 2002-09-01            UPPER MANNVILLE O  
0932 250016 2010-04-01            UPPER MANNVILLE P  
0932 250017 2010-09-01            UPPER MANNVILLE Q  
0932 250018 2004-05-01            UPPER MANNVILLE R  
0932 250019 2007-03-01            UPPER MANNVILLE S  
0932 250020 2010-09-01            UPPER MANNVILLE T  
0932 250021 2010-09-01            UPPER MANNVILLE U  
0932 250022 2011-01-01            UPPER MANNVILLE V

0932 336001 2002-12-01            ELLERSLIE A

0932 658001 2001-02-01            WABAMUN A

0932 658002 2010-04-01            WABAMUN B

**COMMINGLED PRODUCTION**

MU 7246            2 Sep 2009

**FIELD DESIGNATION**

0929 2010-06-01                      WARWICK FIELD

**POOL DESIGNATION**

0929 126001 2001-02-01      BELLY RIVER A  
0929 126003 2001-02-01      BELLY RIVER C  
0929 126004 2001-02-01      BELLY RIVER D

0929 134001 2005-07-01      BASAL BELLY RIVER A

0929 218002 2010-04-01      VIKING B  
0929 218003 2010-04-01      VIKING C  
0929 218004 2003-03-01      VIKING D  
0929 218005 2010-04-01      VIKING E  
0929 218006 2001-02-01      VIKING F  
0929 218009 2001-02-01      VIKING I  
0929 218011 2001-02-01      VIKING K  
0929 218012 2001-02-01      VIKING L  
0929 218013 2010-04-01      VIKING M  
0929 218014 2010-04-01      VIKING N  
0929 218017 2003-04-01      VIKING Q  
0929 218018 2001-02-01      VIKING R  
0929 218019 2001-02-01      VIKING S  
0929 218020 2001-02-01      VIKING T  
0929 218021 2010-04-01      VIKING U  
0929 218022 2001-02-01      VIKING V  
0929 218023 2001-02-01      VIKING W  
0929 218024 2001-02-01      VIKING X  
0929 218025 2012-03-01      VIKING Y  
0929 218026 2001-03-01      VIKING Z  
0929 218027 2001-02-01      VIKING AA  
0929 218028 2001-02-01      VIKING BB  
0929 218029 2001-02-01      VIKING CC  
0929 218030 2011-05-01      VIKING DD  
0929 218031 2001-02-01      VIKING EE  
0929 218032 2001-03-01      VIKING FF



**POOL DESIGNATION (cont'd)**

0929 250001	2010-11-01	UPPER MANNVILLE A
0929 250003	2001-02-01	UPPER MANNVILLE C
0929 250004	2001-03-01	UPPER MANNVILLE D
0929 250005	2011-03-01	UPPER MANNVILLE E
0929 250007	2001-02-01	UPPER MANNVILLE G
0929 250008	2001-02-01	UPPER MANNVILLE H
0929 250010	2001-02-01	UPPER MANNVILLE J
0929 250012	2002-09-01	UPPER MANNVILLE L
0929 250013	2008-04-01	UPPER MANNVILLE M
0929 250014	2006-07-01	UPPER MANNVILLE N
0929 250015	2001-02-01	UPPER MANNVILLE O
0929 250016	2004-08-01	UPPER MANNVILLE P
0929 250017	2003-03-01	UPPER MANNVILLE Q
0929 250018	2001-02-01	UPPER MANNVILLE R
0929 250019	2001-02-01	UPPER MANNVILLE S
0929 250020	2001-02-01	UPPER MANNVILLE T
0929 250021	2001-02-01	UPPER MANNVILLE U
0929 250022	2001-02-01	UPPER MANNVILLE V
0929 250023	2001-02-01	UPPER MANNVILLE W
0929 250024	2001-02-01	UPPER MANNVILLE X
0929 250025	2001-02-01	UPPER MANNVILLE Y
0929 250026	2007-06-01	UPPER MANNVILLE Z
0929 250027	2002-10-01	UPPER MANNVILLE AA
0929 250028	2010-04-01	UPPER MANNVILLE BB
0929 250029	2001-02-01	UPPER MANNVILLE CC
0929 250030	2001-02-01	UPPER MANNVILLE DD
0929 250031	2001-02-01	UPPER MANNVILLE EE
0929 250033	2003-02-01	UPPER MANNVILLE GG
0929 250034	2001-02-01	UPPER MANNVILLE HH
0929 250035	2001-02-01	UPPER MANNVILLE II
0929 250036	2001-02-01	UPPER MANNVILLE JJ
0929 250037	2001-02-01	UPPER MANNVILLE KK
0929 250038	2001-02-01	UPPER MANNVILLE LL
0929 250039	2001-02-01	UPPER MANNVILLE MM
0929 250040	2010-04-01	UPPER MANNVILLE NN
0929 250041	2001-02-01	UPPER MANNVILLE OO
0929 250042	2001-02-01	UPPER MANNVILLE PP
0929 250043	2001-02-01	UPPER MANNVILLE QQ

**POOL DESIGNATION (cont'd)**

0929 250044	2001-02-01	UPPER MANNVILLE RR
0929 250045	2001-02-01	UPPER MANNVILLE SS
0929 250046	2001-02-01	UPPER MANNVILLE TT
0929 250048	2001-02-01	UPPER MANNVILLE VV
0929 250049	2001-12-01	UPPER MANNVILLE WW
0929 250052	2008-05-01	UPPER MANNVILLE ZZ
0929 250701	2001-02-01	UPPER MANNVILLE AAA
0929 250702	2001-05-01	UPPER MANNVILLE BBB
0929 250703	2001-02-01	UPPER MANNVILLE CCC
0929 250704	2003-01-01	UPPER MANNVILLE DDD
0929 250705	2004-09-01	UPPER MANNVILLE EEE
0929 250706	2010-04-01	UPPER MANNVILLE FFF
0929 250707	2001-02-01	UPPER MANNVILLE GGG
0929 250708	2001-02-01	UPPER MANNVILLE HHH
0929 250709	2001-02-01	UPPER MANNVILLE III
0929 250710	2006-04-01	UPPER MANNVILLE JJJ
0929 250711	2002-06-01	UPPER MANNVILLE KKK
0929 250712	2001-02-01	UPPER MANNVILLE LLL
0929 250713	2010-04-01	UPPER MANNVILLE MMM
0929 250714	2006-12-01	UPPER MANNVILLE NNN
0929 250715	2001-02-01	UPPER MANNVILLE OOO
0929 250716	2001-02-01	UPPER MANNVILLE PPP
0929 250717	2001-02-01	UPPER MANNVILLE QQQ
0929 250718	2010-04-01	UPPER MANNVILLE RRR
0929 250719	2007-08-01	UPPER MANNVILLE SSS
0929 250720	2001-02-01	UPPER MANNVILLE TTT
0929 250721	2001-02-01	UPPER MANNVILLE UUU
0929 250722	2001-02-01	UPPER MANNVILLE VVV
0929 250723	2002-06-01	UPPER MANNVILLE WWW
0929 250724	2008-01-01	UPPER MANNVILLE XXX
0929 250725	2001-02-01	UPPER MANNVILLE YYY
0929 250726	2001-02-01	UPPER MANNVILLE ZZZ
0929 250727	2001-02-01	UPPER MANNVILLE A2A
0929 250728	2001-02-01	UPPER MANNVILLE B2B
0929 250729	2001-02-01	UPPER MANNVILLE C2C
0929 250730	2010-04-01	UPPER MANNVILLE D2D
0929 250731	2001-02-01	UPPER MANNVILLE E2E
0929 250732	2001-02-01	UPPER MANNVILLE F2F

**POOL DESIGNATION (cont'd)**

0929 250733 2001-02-01	UPPER MANNVILLE G2G
0929 250734 2001-02-01	UPPER MANNVILLE H2H
0929 250735 2001-02-01	UPPER MANNVILLE I2I
0929 250736 2001-02-01	UPPER MANNVILLE J2J
0929 250737 2001-02-01	UPPER MANNVILLE K2K
0929 250738 2001-02-01	UPPER MANNVILLE L2L
0929 250739 2001-02-01	UPPER MANNVILLE M2M
0929 250740 2002-06-01	UPPER MANNVILLE N2N
0929 250741 2001-02-01	UPPER MANNVILLE O2O
0929 250742 2001-06-01	UPPER MANNVILLE P2P
0929 250743 2001-02-01	UPPER MANNVILLE Q2Q
0929 250744 2001-02-01	UPPER MANNVILLE R2R
0929 250745 2001-02-01	UPPER MANNVILLE S2S
0929 250746 2001-02-01	UPPER MANNVILLE T2T
0929 250747 2001-02-01	UPPER MANNVILLE U2U
0929 250748 2001-10-01	UPPER MANNVILLE V2V
0929 250749 2001-02-01	UPPER MANNVILLE W2W
0929 250750 2011-05-01	UPPER MANNVILLE X2X
0929 250751 2004-08-01	UPPER MANNVILLE Y2Y
0929 250752 2001-02-01	UPPER MANNVILLE Z2Z
0929 251101 2017-11-01	UPPER MANNVILLE A3A
0929 251102 2001-03-01	UPPER MANNVILLE B3B
0929 251103 2001-03-01	UPPER MANNVILLE C3C
0929 251104 2001-03-01	UPPER MANNVILLE D3D
0929 251105 2003-03-01	UPPER MANNVILLE E3E
0929 251106 2002-05-01	UPPER MANNVILLE F3F
0929 251107 2001-06-01	UPPER MANNVILLE G3G
0929 251108 2001-07-01	UPPER MANNVILLE H3H
0929 251109 2012-03-01	UPPER MANNVILLE I3I
0929 251110 2012-01-01	UPPER MANNVILLE J3J
0929 251111 2001-04-01	UPPER MANNVILLE K3K
0929 251112 2001-04-01	UPPER MANNVILLE L3L
0929 251113 2001-06-01	UPPER MANNVILLE M3M
0929 251114 2001-06-01	UPPER MANNVILLE N3N
0929 251115 2002-06-01	UPPER MANNVILLE O3O
0929 251116 2010-04-01	UPPER MANNVILLE P3P
0929 251117 2013-05-01	UPPER MANNVILLE Q3Q
0929 251118 2002-01-01	UPPER MANNVILLE R3R

**POOL DESIGNATION (cont'd)**

0929 251120 2003-06-01	UPPER MANNVILLE T3T
0929 251121 2003-06-01	UPPER MANNVILLE U3U
0929 251122 2002-08-01	UPPER MANNVILLE V3V
0929 251123 2012-01-01	UPPER MANNVILLE W3W
0929 251124 2002-05-01	UPPER MANNVILLE X3X
0929 251125 2002-06-01	UPPER MANNVILLE Y3Y
0929 251126 2002-06-01	UPPER MANNVILLE Z3Z
0929 251127 2002-06-01	UPPER MANNVILLE A4A
0929 251128 2002-08-01	UPPER MANNVILLE B4B
0929 251129 2002-08-01	UPPER MANNVILLE C4C
0929 251131 2002-08-01	UPPER MANNVILLE E4E
0929 251132 2003-02-01	UPPER MANNVILLE F4F
0929 251133 2004-11-01	UPPER MANNVILLE G4G
0929 251134 2004-11-01	UPPER MANNVILLE H4H
0929 251135 2003-07-01	UPPER MANNVILLE I4I
0929 251136 2003-05-01	UPPER MANNVILLE J4J
0929 251137 2003-06-01	UPPER MANNVILLE K4K
0929 251138 2003-08-01	UPPER MANNVILLE L4L
0929 251139 2007-05-01	UPPER MANNVILLE M4M
0929 251140 2004-01-01	UPPER MANNVILLE N4N
0929 251141 2004-02-01	UPPER MANNVILLE O4O
0929 251142 2010-06-01	UPPER MANNVILLE P4P
0929 251143 2010-06-01	UPPER MANNVILLE Q4Q
0929 251144 2004-06-01	UPPER MANNVILLE R4R
0929 251145 2004-08-01	UPPER MANNVILLE S4S
0929 251146 2004-09-01	UPPER MANNVILLE T4T
0929 251147 2004-11-01	UPPER MANNVILLE U4U
0929 251148 2005-03-01	UPPER MANNVILLE V4V
0929 251149 2015-01-01	UPPER MANNVILLE W4W
0929 251150 2006-08-01	UPPER MANNVILLE X4X
0929 251151 2006-10-01	UPPER MANNVILLE Y4Y
0929 251152 2006-10-01	UPPER MANNVILLE Z4Z
0929 251501 2010-04-01	UPPER MANNVILLE A5A
0929 251502 2010-04-01	UPPER MANNVILLE B5B
0929 251503 2007-01-01	UPPER MANNVILLE C5C
0929 251504 2007-11-01	UPPER MANNVILLE D5D
0929 251505 2007-11-01	UPPER MANNVILLE E5E
0929 251506 2007-12-01	UPPER MANNVILLE F5F

**POOL DESIGNATION (cont'd)**

0929 251507 2007-12-01	UPPER MANNVILLE G5G
0929 251508 2007-12-01	UPPER MANNVILLE H5H
0929 251509 2010-04-01	UPPER MANNVILLE I5I
0929 251510 2007-12-01	UPPER MANNVILLE J5J
0929 251511 2007-12-01	UPPER MANNVILLE K5K
0929 251512 2007-12-01	UPPER MANNVILLE L5L
0929 251513 2007-12-01	UPPER MANNVILLE M5M
0929 251514 2007-12-01	UPPER MANNVILLE N5N
0929 251515 2007-12-01	UPPER MANNVILLE O5O
0929 251516 2007-12-01	UPPER MANNVILLE P5P
0929 251517 2007-12-01	UPPER MANNVILLE Q5Q
0929 251518 2007-12-01	UPPER MANNVILLE R5R
0929 251519 2007-12-01	UPPER MANNVILLE S5S
0929 251520 2009-09-01	UPPER MANNVILLE T5T
0929 251521 2007-12-01	UPPER MANNVILLE U5U
0929 251522 2007-12-01	UPPER MANNVILLE V5V
0929 251523 2007-12-01	UPPER MANNVILLE W5W
0929 251524 2008-04-01	UPPER MANNVILLE X5X
0929 251525 2008-01-01	UPPER MANNVILLE Y5Y
0929 251526 2009-07-01	UPPER MANNVILLE Z5Z
0929 251527 2008-06-01	UPPER MANNVILLE A6A
0929 251528 2011-12-01	UPPER MANNVILLE B6B
0929 251529 2008-07-01	UPPER MANNVILLE C6C
0929 251531 2008-09-01	UPPER MANNVILLE E6E
0929 251532 2010-04-01	UPPER MANNVILLE F6F
0929 251533 2010-04-01	UPPER MANNVILLE G6G
0929 251534 2010-04-01	UPPER MANNVILLE H6H
0929 251535 2010-04-01	UPPER MANNVILLE I6I
0929 251536 2009-08-01	UPPER MANNVILLE J6J
0929 251537 2010-04-01	UPPER MANNVILLE K6K
0929 251538 2010-04-01	UPPER MANNVILLE L6L
0929 251539 2010-12-01	UPPER MANNVILLE M6M
0929 251540 2011-03-01	UPPER MANNVILLE N6N
0929 251541 2011-03-01	UPPER MANNVILLE O6O
0929 251542 2011-04-01	UPPER MANNVILLE P6P
0929 251543 2011-04-01	UPPER MANNVILLE Q6Q
0929 251544 2011-04-01	UPPER MANNVILLE R6R
0929 251545 2011-04-01	UPPER MANNVILLE S6S

**POOL DESIGNATION (cont'd)**

0929 251546	2011-04-01	UPPER MANNVILLE T6T
0929 251547	2011-05-01	UPPER MANNVILLE U6U
0929 251548	2011-05-01	UPPER MANNVILLE V6V
0929 251549	2011-05-01	UPPER MANNVILLE W6W
0929 251550	2016-05-01	UPPER MANNVILLE X6X
0929 251551	2011-08-01	UPPER MANNVILLE Y6Y
0929 251552	2011-09-01	UPPER MANNVILLE Z6Z
0929 251901	2012-02-01	UPPER MANNVILLE A7A
0929 251902	2012-05-01	UPPER MANNVILLE B7B
0929 251903	2012-05-01	UPPER MANNVILLE C7C
0929 251904	2012-05-01	UPPER MANNVILLE D7D
0929 251905	2013-02-01	UPPER MANNVILLE E7E
0929 251906	2013-06-01	UPPER MANNVILLE F7F
0929 251907	2013-06-01	UPPER MANNVILLE G7G
0929 251908	2013-11-01	UPPER MANNVILLE H7H
0929 280001	2013-03-01	CLEARWATER A
0929 300801	2013-05-01	GLAUCONITIC-NISKU A
0929 310001	2001-02-01	LOWER MANNVILLE A
0929 310003	2001-02-01	LOWER MANNVILLE C
0929 310004	2001-02-01	LOWER MANNVILLE D
0929 310005	2001-02-01	LOWER MANNVILLE E
0929 310006	2001-02-01	LOWER MANNVILLE F
0929 310007	2001-02-01	LOWER MANNVILLE G
0929 310009	2001-02-01	LOWER MANNVILLE I
0929 310010	2005-08-01	LOWER MANNVILLE J
0929 310011	2001-02-01	LOWER MANNVILLE K
0929 310013	2001-02-01	LOWER MANNVILLE M
0929 310014	2001-02-01	LOWER MANNVILLE N
0929 310015	2001-02-01	LOWER MANNVILLE O
0929 310016	2001-02-01	LOWER MANNVILLE P
0929 310017	2001-02-01	LOWER MANNVILLE Q
0929 310019	2001-02-01	LOWER MANNVILLE S
0929 310020	2001-02-01	LOWER MANNVILLE T
0929 310021	2001-09-01	LOWER MANNVILLE U
0929 310022	2001-12-01	LOWER MANNVILLE V

**POOL DESIGNATION (cont'd)**

0929 310023	2002-05-01	LOWER MANNVILLE W
0929 310024	2002-08-01	LOWER MANNVILLE X
0929 310025	2004-07-01	LOWER MANNVILLE Y
0929 310026	2010-05-01	LOWER MANNVILLE Z
0929 310027	2004-08-01	LOWER MANNVILLE AA
0929 310028	2007-05-01	LOWER MANNVILLE BB
0929 310029	2010-04-01	LOWER MANNVILLE CC
0929 310030	2009-12-01	LOWER MANNVILLE DD
0929 310031	2010-09-01	LOWER MANNVILLE EE
0929 310032	2011-03-01	LOWER MANNVILLE FF
0929 658001	2001-02-01	WABAMUN A
0929 670001	2001-02-01	WINTERBURN A
0929 670002	2010-04-01	WINTERBURN B
0929 670003	2010-04-01	WINTERBURN C
0929 670004	2001-02-01	WINTERBURN D
0929 670005	2003-01-01	WINTERBURN E
0929 670006	2001-02-01	WINTERBURN F
0929 670007	2001-02-01	WINTERBURN G
0929 670008	2001-02-01	WINTERBURN H
0929 670009	2001-02-01	WINTERBURN I
0929 670010	2001-02-01	WINTERBURN J
0929 670011	2001-02-01	WINTERBURN K
0929 670012	2001-02-01	WINTERBURN L
0929 670013	2001-02-01	WINTERBURN M
0929 670015	2001-02-01	WINTERBURN O
0929 670016	2008-05-01	WINTERBURN P
0929 696001	2001-02-01	NISKU A
0929 696006	2001-11-01	NISKU F
0929 696007	2002-08-01	NISKU G
0929 696008	2004-11-01	NISKU H
0929 696009	2005-10-01	NISKU I
0929 708001	2001-02-01	CAMROSE A

**SPACING PATTERN**

SU 2548      13 Feb 1996  
SU 2548A     28 Mar 2003

**COMMINGLED PRODUCTION**

MU 8420      13 Aug 2012

**GAS STORAGE SCHEMES**

App 11371L   28 Mar 2013  
Glauconic-Nisku A  
Warwick Gas Storage Ltd.

**SUBSURFACE DISPOSAL SCHEMES**

App 9376C    27 Aug 2018  
Class II  
Alphabow Energy Ltd.



**FIELD DESIGNATION**

0930 2016-04-01 WASKAHIGAN FIELD

**POOL DESIGNATION**

0930 192001 2010-04-01 DUNVEGAN A  
0930 192002 2011-03-01 DUNVEGAN B  
0930 192003 2010-04-01 DUNVEGAN C  
0930 192005 2005-05-01 DUNVEGAN E  
0930 192009 2009-07-01 DUNVEGAN I  
0930 192012 2014-08-01 DUNVEGAN L  
0930 192015 2010-04-01 DUNVEGAN O  
0930 192019 2017-03-01 DUNVEGAN S  
0930 192023 2006-05-01 DUNVEGAN W  
0930 192024 2013-03-01 DUNVEGAN X  
0930 192028 2008-09-01 DUNVEGAN BB  
0930 192031 2012-01-01 DUNVEGAN EE  
0930 192032 2014-08-01 DUNVEGAN FF  
0930 192033 2016-04-01 DUNVEGAN GG  
0930 192034 2014-08-01 DUNVEGAN HH  
0930 192035 2016-11-01 DUNVEGAN II

0930 228002 2010-04-01 PEACE RIVER B  
0930 228003 2001-02-01 PEACE RIVER C  
0930 228005 2007-08-01 PEACE RIVER E  
0930 228006 2003-03-01 PEACE RIVER F  
0930 228007 2003-04-01 PEACE RIVER G  
0930 228008 2010-04-01 PEACE RIVER H  
0930 228011 2018-05-01 PEACE RIVER K

0930 232001 2009-03-01 CADOTTE A

0930 264001 2007-02-01 SPIRIT RIVER A

0930 266001 2010-04-01 NOTIKEWIN A  
0930 266002 2012-01-01 NOTIKEWIN B

**POOL DESIGNATION (cont'd)**

0930 271501 2013-09-01	FALHER A
0930 304001 2010-04-01	BLUESKY A
0930 304002 2001-02-01	BLUESKY B
0930 304003 2008-03-01	BLUESKY C
0930 304004 2003-08-01	BLUESKY D
0930 304005 2004-04-01	BLUESKY E
0930 304006 2005-02-01	BLUESKY F
0930 304007 2007-12-01	BLUESKY G
0930 304008 2010-04-01	BLUESKY H
0930 304009 2014-08-01	BLUESKY I
0930 326001 2010-04-01	GETHING A
0930 326003 2001-02-01	GETHING C
0930 326006 2001-02-01	GETHING F
0930 326007 2001-02-01	GETHING G
0930 326008 2001-02-01	GETHING H
0930 326009 2001-02-01	GETHING I
0930 326016 2010-04-01	GETHING P
0930 326017 2013-07-01	GETHING Q
0930 326018 2010-04-01	GETHING R
0930 326025 2010-07-01	GETHING Y
0930 326032 2008-05-01	GETHING FF
0930 326035 2008-10-01	GETHING II
0930 326036 2009-07-01	GETHING JJ
0930 326037 2010-09-01	GETHING KK
0930 326038 2009-09-01	GETHING LL
0930 326039 2010-07-01	GETHING MM
0930 326040 2014-08-01	GETHING NN
0930 326041 2014-08-01	GETHING OO
0930 348001 2001-02-01	CADOMIN A
0930 348002 2002-02-01	CADOMIN B
0930 348003 2004-11-01	CADOMIN C
0930 348004 2007-02-01	CADOMIN D
0930 348005 2009-07-01	CADOMIN E
0930 348006 2008-12-01	CADOMIN F

**POOL DESIGNATION (cont'd)**

0930 444001 2012-04-01	NORDEGG A
0930 444002 2018-03-01	NORDEGG B
0930 524001 2010-04-01	MONTNEY A
0930 524002 2013-08-01	MONTNEY B
0930 524003 2006-10-01	MONTNEY C
0930 524004 2013-05-01	MONTNEY D
0930 524005 2011-02-01	MONTNEY E
0930 524006 2018-09-01	MONTNEY F
0930 524007 2012-12-01	MONTNEY G
0930 524010 2014-01-01	MONTNEY J
0930 524011 2014-04-01	MONTNEY K
0930 524013 2015-02-01	MONTNEY M
0930 524014 2014-08-01	MONTNEY N
0930 728001 2015-04-01	DUVERNAY A
0930 728002 2015-02-01	DUVERNAY B
0930 728003 2015-02-01	DUVERNAY C
0930 728004 2015-04-01	DUVERNAY D
0930 728005 2015-02-01	DUVERNAY E
0930 728006 2015-02-01	DUVERNAY F
0930 728007 2015-02-01	DUVERNAY G
0930 728008 2015-02-01	DUVERNAY H
0930 728009 2015-03-01	DUVERNAY I
0930 728010 2015-03-01	DUVERNAY J
0930 728011 2017-07-01	DUVERNAY K
0930 728012 2017-07-01	DUVERNAY L
0930 744001 2006-01-01	BEAVERHILL LAKE A
0930 756001 2017-07-01	SWAN HILLS A
0930 857900 2010-08-01	MFP8579 DUNVEGAN
0930 858000 2010-08-01	MFP8580 GETHING

**SPACING PATTERN**

SU 2547A 15 Feb 2006  
SU 2547B 16 May 2006

**COMMINGLED PRODUCTION**

MU 8829 25 May 2018

**SUBSURFACE DISPOSAL SCHEMES**

App 11808D 14 May 2018  
Class II  
Tangle Creek Energy Ltd.

App 12392A 4 May 2018  
Class II & Ib  
EnCana Corporation

App 12653 31 Jul 2017  
Class II  
Chevron Canada Limited

**FIELD DESIGNATION**

0936 2008-10-01                      WATELET FIELD

**POOL DESIGNATION**

0936 126001 2001-02-01            BELLY RIVER A  
0936 126002 2001-02-01            BELLY RIVER B  
0936 126003 2001-02-01            BELLY RIVER C  
0936 126005 2010-03-01            BELLY RIVER E  
0936 126006 2011-04-01            BELLY RIVER F  
0936 126007 2012-05-01            BELLY RIVER G

0936 134001 2010-03-01            BASAL BELLY RIVER A

0936 250001 2006-10-01            UPPER MANNVILLE A  
0936 250002 2008-03-01            UPPER MANNVILLE B  
0936 250003 2008-03-01            UPPER MANNVILLE C  
0936 250004 2008-03-01            UPPER MANNVILLE D  
0936 250005 2009-10-01            UPPER MANNVILLE E  
0936 250006 2010-04-01            UPPER MANNVILLE F

0936 300001 2001-02-01            GLAUCONITIC A  
0936 300002 2001-05-01            GLAUCONITIC B  
0936 300003 2001-06-01            GLAUCONITIC C  
0936 300005 2015-08-01            GLAUCONITIC E

0936 336001 2009-05-01            ELLERSLIE A  
0936 336004 2001-02-01            ELLERSLIE D  
0936 336005 2001-05-01            ELLERSLIE E  
0936 336006 2001-05-01            ELLERSLIE F  
0936 336007 2003-05-01            ELLERSLIE G  
0936 336008 2004-12-01            ELLERSLIE H  
0936 336011 2008-10-01            ELLERSLIE K  
0936 336012 2013-11-01            ELLERSLIE L

**SPACING PATTERN**

SU 2853            11 Feb 1998  
SU 2853A          8 Nov 2000

**COMMINGLED PRODUCTION**

MU 8759          1 Oct 2015

**SUBSURFACE DISPOSAL SCHEMES**

App 8540B 6 Nov 2017  
Class III Acid Gas  
Canlin Energy Corporation

App 11434C 10 Jan 2018  
Class II  
Canlin Energy Corporation

**FIELD DESIGNATION**

0931 2004-01-01                    WATERTON FIELD

**POOL DESIGNATION**

0931 176001 2002-06-01        CARDIUM A

0931 610001 2011-04-01        RUNDLE A  
0931 610004 2006-01-01        RUNDLE D  
0931 610005 2011-12-01        RUNDLE E  
0931 610010 2010-04-01        RUNDLE J  
0931 610011 2001-02-01        RUNDLE K  
0931 610012 2001-02-01        RUNDLE L  
0931 610013 2011-12-01        RUNDLE M  
0931 610014 2010-04-01        RUNDLE N  
0931 610015 2010-04-01        RUNDLE O  
0931 610016 2011-05-01        RUNDLE P  
0931 610017 2011-09-01        RUNDLE Q  
0931 610019 2008-10-01        RUNDLE S  
0931 610020 2010-04-01        RUNDLE T  
0931 610021 2010-04-01        RUNDLE U

0931 611001 2010-04-01        RUNDLE-WABAMUN A

0931 658001 2005-05-01        WABAMUN A  
0931 658002 2001-02-01        WABAMUN B  
0931 658003 2010-04-01        WABAMUN C

**SPACING PATTERN**

SU 2747            2 May 1996  
SU 2747A          22 Jan 2003  
SU 2747B          15 Oct 2004

**GAS CYCLING**

App 4247          4 Jul 1984  
Wabamun A  
Shell Canada Resources Limited

**COMMINGLED PRODUCTION**

MU 6851          23 Apr 2008

**FIELD DESIGNATION**

0933 2009-02-01 WATTS FIELD

**POOL DESIGNATION**

0933 106003 2005-11-01 EDMONTON C

0933 106005 2007-02-01 EDMONTON E

0933 118802 2006-11-01 LOWER EDMONTON B

0933 118803 2011-03-01 LOWER EDMONTON C

0933 118804 2011-05-01 LOWER EDMONTON D

0933 118805 2012-02-01 LOWER EDMONTON E

0933 126013 2010-03-01 BELLY RIVER M

0933 126014 2015-02-01 BELLY RIVER N

0933 126015 2010-03-01 BELLY RIVER O

0933 126016 2018-01-01 BELLY RIVER P

0933 134002 2005-07-01 BASAL BELLY RIVER B

0933 164001 2010-04-01 MEDICINE HAT A

0933 164002 2010-04-01 MEDICINE HAT B

0933 164003 2010-04-01 MEDICINE HAT C

0933 164004 2011-01-01 MEDICINE HAT D

0933 186002 2014-05-01 SECOND WHITE SPECKS B

0933 186006 2010-04-01 SECOND WHITE SPECKS F

0933 186007 2008-12-01 SECOND WHITE SPECKS G

0933 218001 2001-02-01 VIKING A

0933 218002 2001-02-01 VIKING B

0933 218005 2001-02-01 VIKING E

0933 218006 2010-04-01 VIKING F

0933 250001 2005-04-01 UPPER MANNVILLE A

0933 250002 2001-02-01 UPPER MANNVILLE B

0933 250004 2010-04-01 UPPER MANNVILLE D



**POOL DESIGNATION (cont'd)**

0933 250005	2010-04-01	UPPER MANNVILLE E
0933 250006	2003-01-01	UPPER MANNVILLE F
0933 250007	2003-02-01	UPPER MANNVILLE G
0933 250008	2004-08-01	UPPER MANNVILLE H
0933 250011	2004-01-01	UPPER MANNVILLE K
0933 250013	2010-04-01	UPPER MANNVILLE M
0933 250014	2007-02-01	UPPER MANNVILLE N
0933 250018	2007-02-01	UPPER MANNVILLE R
0933 250019	2008-05-01	UPPER MANNVILLE S
0933 250020	2007-11-01	UPPER MANNVILLE T
0933 250021	2007-11-01	UPPER MANNVILLE U
0933 250022	2007-11-01	UPPER MANNVILLE V
0933 250023	2010-03-01	UPPER MANNVILLE W
0933 250024	2010-05-01	UPPER MANNVILLE X
0933 310001	2001-02-01	LOWER MANNVILLE A
0933 310002	2017-01-01	LOWER MANNVILLE B
0933 310003	2001-02-01	LOWER MANNVILLE C
0933 310004	2001-02-01	LOWER MANNVILLE D
0933 310007	2001-02-01	LOWER MANNVILLE G
0933 310008	2001-02-01	LOWER MANNVILLE H
0933 310009	2001-02-01	LOWER MANNVILLE I
0933 310015	2002-01-01	LOWER MANNVILLE O
0933 310016	2005-10-01	LOWER MANNVILLE P
0933 310017	2008-04-01	LOWER MANNVILLE Q
0933 310018	2007-11-01	LOWER MANNVILLE R
0933 310019	2010-03-01	LOWER MANNVILLE S
0933 644003	2010-04-01	BANFF C
0933 644004	2001-02-01	BANFF D
0933 644008	2010-04-01	BANFF H
0933 644013	2013-09-01	BANFF M
0933 644016	2001-02-01	BANFF P
0933 644028	2001-02-01	BANFF BB
0933 644031	2001-02-01	BANFF EE
0933 644032	2001-10-01	BANFF FF
0933 644033	2010-04-01	BANFF GG
0933 644034	2007-02-01	BANFF HH

**POOL DESIGNATION (cont'd)**

0933 644035 2010-04-01 BANFF II  
0933 644036 2010-03-01 BANFF JJ  
  
0933 850600 2013-10-01 MFP8506 BELLY RIVER  
  
0933 852700 2011-01-01 MFP8527 2WS  
  
0933 854000 2011-01-01 MFP8540 BSL BELLY RIV

**SPACING PATTERN**

SU 2566 7 Feb 1996  
SU 2566A 20 Nov 2000  
SU 2566B 10 Sep 2001  
SU 2566C 20 Sep 2002  
SU 2566D 23 Oct 2002

**COMMINGLED PRODUCTION**

MU 7068 21 Oct 2008

**CONCURRENT PRODUCTION**

App 4741 12 Dec 1985

App 4741A 28 Jun 2000

App 4741B 25 Oct 2007  
Lower Mannville B  
Canadian Natural Resources Limited

**SUBSURFACE DISPOSAL SCHEMES**

App 5250D 7 Feb 2012  
Class II  
Canadian Natural Resources Limited

**FIELD DESIGNATION**

0934 2009-08-01 WAVY LAKE FIELD

**POOL DESIGNATION**

0934 134001 2005-07-01 BASAL BELLY RIVER A

0934 250001 2006-05-01 UPPER MANNVILLE A

0934 256001 2001-02-01 COLONY A

0934 268001 2006-03-01 MCLAREN A

0934 268002 2009-07-01 MCLAREN B

0934 268003 2013-03-01 MCLAREN C

0934 300002 2001-02-01 GLAUCONITIC B

0934 300004 2001-02-01 GLAUCONITIC D

0934 300005 2001-02-01 GLAUCONITIC E

0934 300006 2001-02-01 GLAUCONITIC F

0934 300007 2001-02-01 GLAUCONITIC G

0934 300008 2009-08-01 GLAUCONITIC H

0934 300009 2001-02-01 GLAUCONITIC I

0934 300010 2010-04-01 GLAUCONITIC J

0934 300011 2006-05-01 GLAUCONITIC K

0934 300012 2006-10-01 GLAUCONITIC L

0934 300013 2011-05-01 GLAUCONITIC M

0934 300014 2012-01-01 GLAUCONITIC N

0934 336003 2001-02-01 ELLERSLIE C

0934 336004 2004-12-01 ELLERSLIE D

**FIELD DESIGNATION**

0935 2018-07-01 WAYNE-ROSEDALE FIELD

**POOL DESIGNATION**

0935 106002 2015-07-01 EDMONTON B

0935 118801 2011-08-01 LOWER EDMONTON A  
0935 118802 2010-04-01 LOWER EDMONTON B  
0935 118805 2010-04-01 LOWER EDMONTON E  
0935 118807 2009-11-01 LOWER EDMONTON G  
0935 118810 2010-05-01 LOWER EDMONTON J  
0935 118811 2010-05-01 LOWER EDMONTON K  
0935 118812 2010-05-01 LOWER EDMONTON L  
0935 118813 2010-05-01 LOWER EDMONTON M  
0935 118814 2011-12-01 LOWER EDMONTON N  
0935 118815 2013-04-01 LOWER EDMONTON O  
0935 118816 2015-06-01 LOWER EDMONTON P  
0935 118817 2015-06-01 LOWER EDMONTON Q  
0935 118818 2015-06-01 LOWER EDMONTON R  
0935 118819 2015-06-01 LOWER EDMONTON S  
0935 118820 2015-07-01 LOWER EDMONTON T  
0935 118821 2015-07-01 LOWER EDMONTON U  
0935 118822 2015-07-01 LOWER EDMONTON V

0935 134119 2009-03-01 BASAL BELLY RIVER SSS  
0935 134125 2014-01-01 BASAL BELLY RIVER YYY  
0935 134126 2015-06-01 BASAL BELLY RIVER ZZZ  
0935 134127 2015-07-01 BASAL BELLY RIVER A2A

0935 158001 2008-04-01 MILK RIVER A  
0935 158002 2004-08-01 MILK RIVER B  
0935 158003 2009-11-01 MILK RIVER C  
0935 158004 2011-01-01 MILK RIVER D

0935 160001 2010-04-01 COLORADO A

**POOL DESIGNATION (cont'd)**

0935 162001 2010-12-01	FIRST WHITE SPECKS A
0935 162002 2011-01-01	FIRST WHITE SPECKS B
0935 162003 2011-08-01	FIRST WHITE SPECKS C
0935 162004 2015-06-01	FIRST WHITE SPECKS D
0935 164002 2011-08-01	MEDICINE HAT B
0935 164003 2015-02-01	MEDICINE HAT C
0935 164004 2015-02-01	MEDICINE HAT D
0935 164005 2015-06-01	MEDICINE HAT E
0935 186001 2009-03-01	SECOND WHITE SPECKS A
0935 186002 2011-01-01	SECOND WHITE SPECKS B
0935 186003 2015-06-01	SECOND WHITE SPECKS C
0935 186004 2015-06-01	SECOND WHITE SPECKS D
0935 186005 2018-04-01	SECOND WHITE SPECKS E
0935 186006 2015-06-01	SECOND WHITE SPECKS F
0935 186007 2015-06-01	SECOND WHITE SPECKS G
0935 186008 2015-06-01	SECOND WHITE SPECKS H
0935 186009 2015-06-01	SECOND WHITE SPECKS I
0935 186010 2015-06-01	SECOND WHITE SPECKS J
0935 202001 2011-12-01	FISH SCALE A
0935 218001 2015-04-01	VIKING A
0935 218002 2010-04-01	VIKING B
0935 218003 2001-02-01	VIKING C
0935 218008 2005-07-01	VIKING H
0935 218009 2009-02-01	VIKING I
0935 218010 2007-12-01	VIKING J
0935 218013 2004-07-01	VIKING M
0935 218018 2001-12-01	VIKING R
0935 218023 2001-02-01	VIKING W
0935 218024 2001-02-01	VIKING X
0935 218025 2009-08-01	VIKING Y
0935 218026 2012-05-01	VIKING Z
0935 218028 2001-02-01	VIKING BB
0935 218031 2001-02-01	VIKING EE
0935 218032 2007-01-01	VIKING FF

**POOL DESIGNATION (cont'd)**

0935 218036 2002-06-01	VIKING JJ
0935 218038 2010-04-01	VIKING LL
0935 218039 2010-07-01	VIKING MM
0935 218040 2003-10-01	VIKING NN
0935 218041 2004-08-01	VIKING OO
0935 218043 2010-04-01	VIKING QQ
0935 218044 2010-04-01	VIKING RR
0935 218045 2010-04-01	VIKING SS
0935 218046 2012-10-01	VIKING TT
0935 218047 2010-04-01	VIKING UU
0935 218049 2007-09-01	VIKING WW
0935 218050 2006-09-01	VIKING XX
0935 218051 2006-09-01	VIKING YY
0935 220401 2006-11-01	VIKING AAA
0935 220402 2009-07-01	VIKING BBB
0935 220403 2010-04-01	VIKING CCC
0935 220404 2006-12-01	VIKING DDD
0935 220405 2013-06-01	VIKING EEE
0935 220406 2014-11-01	VIKING FFF
0935 220407 2010-04-01	VIKING GGG
0935 220408 2010-04-01	VIKING HHH
0935 220409 2010-04-01	VIKING III
0935 220410 2007-12-01	VIKING JJJ
0935 220411 2007-12-01	VIKING KKK
0935 220412 2007-12-01	VIKING LLL
0935 220413 2008-01-01	VIKING MMM
0935 220414 2008-03-01	VIKING NNN
0935 220415 2010-04-01	VIKING OOO
0935 220416 2008-05-01	VIKING PPP
0935 220417 2008-05-01	VIKING QQQ
0935 220418 2013-07-01	VIKING RRR
0935 220419 2009-02-01	VIKING SSS
0935 220420 2011-08-01	VIKING TTT
0935 220421 2009-03-01	VIKING UUU
0935 220422 2009-06-01	VIKING VVV
0935 220423 2011-02-01	VIKING WWW
0935 220424 2009-11-01	VIKING XXX
0935 220425 2009-11-01	VIKING YYY

**POOL DESIGNATION (cont'd)**

0935 220426 2010-05-01	VIKING ZZZ
0935 220427 2010-07-01	VIKING A2A
0935 220428 2010-10-01	VIKING B2B
0935 220430 2011-02-01	VIKING D2D
0935 220432 2011-03-01	VIKING F2F
0935 220433 2011-03-01	VIKING G2G
0935 220434 2011-06-01	VIKING H2H
0935 220435 2011-06-01	VIKING I2I
0935 220436 2015-02-01	VIKING J2J
0935 220437 2011-08-01	VIKING K2K
0935 220438 2011-08-01	VIKING L2L
0935 220439 2011-08-01	VIKING M2M
0935 220440 2011-08-01	VIKING N2N
0935 220441 2012-02-01	VIKING O2O
0935 220442 2012-04-01	VIKING P2P
0935 220443 2013-03-01	VIKING Q2Q
0935 220444 2013-04-01	VIKING R2R
0935 220445 2013-10-01	VIKING S2S
0935 220446 2013-10-01	VIKING T2T
0935 220447 2013-11-01	VIKING U2U
0935 220448 2015-02-01	VIKING V2V
0935 220449 2015-06-01	VIKING W2W
0935 220450 2015-06-01	VIKING X2X
0935 220451 2015-06-01	VIKING Y2Y
0935 220452 2015-06-01	VIKING Z2Z
0935 223901 2015-06-01	VIKING A3A
0935 223902 2015-06-01	VIKING B3B
0935 223903 2015-06-01	VIKING C3C
0935 223904 2015-06-01	VIKING D3D
0935 223905 2015-06-01	VIKING E3E
0935 223906 2015-06-01	VIKING F3F
0935 223907 2015-06-01	VIKING G3G
0935 223908 2015-06-01	VIKING H3H
0935 223909 2015-06-01	VIKING I3I
0935 223910 2015-06-01	VIKING J3J
0935 223911 2018-06-01	VIKING K3K
0935 223912 2015-06-01	VIKING L3L
0935 223913 2015-06-01	VIKING M3M

**POOL DESIGNATION (cont'd)**

0935 223914 2015-06-01	VIKING N3N
0935 223915 2015-06-01	VIKING O3O
0935 223916 2015-06-01	VIKING P3P
0935 223917 2015-06-01	VIKING Q3Q
0935 223918 2015-06-01	VIKING R3R
0935 223919 2015-06-01	VIKING S3S
0935 223920 2015-06-01	VIKING T3T
0935 223921 2015-06-01	VIKING U3U
0935 223923 2015-06-01	VIKING W3W
0935 223924 2015-07-01	VIKING X3X
0935 223925 2015-07-01	VIKING Y3Y
0935 223926 2015-07-01	VIKING Z3Z
0935 223927 2015-07-01	VIKING A4A
0935 223928 2015-07-01	VIKING B4B
0935 223929 2015-07-01	VIKING C4C
0935 223930 2015-07-01	VIKING D4D
0935 223931 2015-07-01	VIKING E4E
0935 223932 2015-07-01	VIKING F4F
0935 223933 2015-07-01	VIKING G4G
0935 223934 2015-07-01	VIKING H4H
0935 223935 2015-07-01	VIKING I4I
0935 223936 2015-07-01	VIKING J4J
0935 223937 2015-07-01	VIKING K4K
0935 223938 2015-07-01	VIKING L4L
0935 223939 2015-07-01	VIKING M4M
0935 223940 2015-07-01	VIKING N4N
0935 242001 2001-02-01	BASAL COLORADO A
0935 242005 2010-04-01	BASAL COLORADO E
0935 242006 2015-06-01	BASAL COLORADO F
0935 242007 2015-06-01	BASAL COLORADO G
0935 248001 2015-06-01	MANNVILLE A
0935 248002 2015-06-01	MANNVILLE B
0935 248003 2015-06-01	MANNVILLE C
0935 248004 2015-06-01	MANNVILLE D
0935 248005 2015-06-01	MANNVILLE E
0935 248006 2015-06-01	MANNVILLE F



**POOL DESIGNATION (cont'd)**

0935 248007 2015-06-01	MANNVILLE G
0935 248008 2015-06-01	MANNVILLE H
0935 248009 2015-06-01	MANNVILLE I
0935 248010 2015-06-01	MANNVILLE J
0935 248011 2015-06-01	MANNVILLE K
0935 248013 2015-06-01	MANNVILLE M
0935 248014 2015-06-01	MANNVILLE N
0935 248015 2015-06-01	MANNVILLE O
0935 248016 2015-06-01	MANNVILLE P
0935 248017 2015-06-01	MANNVILLE Q
0935 248018 2015-06-01	MANNVILLE R
0935 248019 2015-06-01	MANNVILLE S
0935 248020 2015-06-01	MANNVILLE T
0935 248021 2015-06-01	MANNVILLE U
0935 248022 2015-06-01	MANNVILLE V
0935 248023 2015-06-01	MANNVILLE W
0935 248025 2015-06-01	MANNVILLE Y
0935 248026 2015-06-01	MANNVILLE Z
0935 248027 2015-06-01	MANNVILLE AA
0935 248028 2015-06-01	MANNVILLE BB
0935 248029 2015-06-01	MANNVILLE CC
0935 248030 2015-06-01	MANNVILLE DD
0935 248031 2015-06-01	MANNVILLE EE
0935 248032 2015-06-01	MANNVILLE FF
0935 248033 2015-06-01	MANNVILLE GG
0935 248034 2015-06-01	MANNVILLE HH
0935 248035 2015-06-01	MANNVILLE II
0935 248036 2015-06-01	MANNVILLE JJ
0935 248037 2015-06-01	MANNVILLE KK
0935 248038 2015-06-01	MANNVILLE LL
0935 250005 2001-02-01	UPPER MANNVILLE E
0935 250006 2001-02-01	UPPER MANNVILLE F
0935 250007 2001-02-01	UPPER MANNVILLE G
0935 250008 2002-02-01	UPPER MANNVILLE H
0935 250009 2002-03-01	UPPER MANNVILLE I
0935 250011 2010-05-01	UPPER MANNVILLE K
0935 250012 2008-06-01	UPPER MANNVILLE L

**POOL DESIGNATION (cont'd)**

0935 250013 2005-11-01	UPPER MANNVILLE M
0935 250015 2006-08-01	UPPER MANNVILLE O
0935 250016 2006-09-01	UPPER MANNVILLE P
0935 250017 2006-12-01	UPPER MANNVILLE Q
0935 250018 2010-04-01	UPPER MANNVILLE R
0935 250019 2007-12-01	UPPER MANNVILLE S
0935 250020 2010-04-01	UPPER MANNVILLE T
0935 250021 2008-02-01	UPPER MANNVILLE U
0935 250023 2010-04-01	UPPER MANNVILLE W
0935 250024 2010-04-01	UPPER MANNVILLE X
0935 250025 2010-04-01	UPPER MANNVILLE Y
0935 250026 2010-04-01	UPPER MANNVILLE Z
0935 250027 2010-04-01	UPPER MANNVILLE AA
0935 250028 2011-02-01	UPPER MANNVILLE BB
0935 250029 2011-02-01	UPPER MANNVILLE CC
0935 250030 2013-02-01	UPPER MANNVILLE DD
0935 250031 2012-01-01	UPPER MANNVILLE EE
0935 250032 2012-04-01	UPPER MANNVILLE FF
0935 250033 2013-01-01	UPPER MANNVILLE GG
0935 250034 2013-03-01	UPPER MANNVILLE HH
0935 250035 2013-04-01	UPPER MANNVILLE II
0935 250036 2013-07-01	UPPER MANNVILLE JJ
0935 250037 2014-03-01	UPPER MANNVILLE KK
0935 250038 2015-02-01	UPPER MANNVILLE LL
0935 250039 2015-02-01	UPPER MANNVILLE MM
0935 250040 2015-03-01	UPPER MANNVILLE NN
0935 250041 2015-06-01	UPPER MANNVILLE OO
0935 250042 2015-06-01	UPPER MANNVILLE PP
0935 250043 2015-06-01	UPPER MANNVILLE QQ
0935 250044 2015-06-01	UPPER MANNVILLE RR
0935 250045 2015-06-01	UPPER MANNVILLE SS
0935 250046 2015-06-01	UPPER MANNVILLE TT
0935 250047 2015-06-01	UPPER MANNVILLE UU
0935 250049 2015-06-01	UPPER MANNVILLE WW
0935 250050 2015-06-01	UPPER MANNVILLE XX
0935 250051 2015-06-01	UPPER MANNVILLE YY
0935 250052 2015-06-01	UPPER MANNVILLE ZZ
0935 250701 2015-06-01	UPPER MANNVILLE AAA

**POOL DESIGNATION (cont'd)**

0935 250702 2015-06-01	UPPER MANNVILLE BBB
0935 250703 2015-06-01	UPPER MANNVILLE CCC
0935 250704 2015-06-01	UPPER MANNVILLE DDD
0935 250705 2015-06-01	UPPER MANNVILLE EEE
0935 250708 2015-06-01	UPPER MANNVILLE HHH
0935 250709 2015-06-01	UPPER MANNVILLE III
0935 250710 2015-06-01	UPPER MANNVILLE JJJ
0935 250711 2015-06-01	UPPER MANNVILLE KKK
0935 250712 2015-06-01	UPPER MANNVILLE LLL
0935 250713 2015-06-01	UPPER MANNVILLE MMM
0935 250714 2018-03-01	UPPER MANNVILLE NNN
0935 250715 2015-06-01	UPPER MANNVILLE OOO
0935 250716 2015-06-01	UPPER MANNVILLE PPP
0935 250717 2015-06-01	UPPER MANNVILLE QQQ
0935 250718 2015-06-01	UPPER MANNVILLE RRR
0935 250719 2015-06-01	UPPER MANNVILLE SSS
0935 250720 2015-06-01	UPPER MANNVILLE TTT
0935 250721 2015-06-01	UPPER MANNVILLE UUU
0935 250722 2015-06-01	UPPER MANNVILLE VVV
0935 250723 2015-06-01	UPPER MANNVILLE WWW
0935 250724 2015-06-01	UPPER MANNVILLE XXX
0935 250725 2015-06-01	UPPER MANNVILLE YYY
0935 250727 2015-06-01	UPPER MANNVILLE A2A
0935 250728 2015-06-01	UPPER MANNVILLE B2B
0935 250729 2015-06-01	UPPER MANNVILLE C2C
0935 250731 2015-06-01	UPPER MANNVILLE E2E
0935 250732 2015-06-01	UPPER MANNVILLE F2F
0935 250733 2015-06-01	UPPER MANNVILLE G2G
0935 250734 2015-06-01	UPPER MANNVILLE H2H
0935 250736 2015-06-01	UPPER MANNVILLE J2J
0935 250738 2015-06-01	UPPER MANNVILLE L2L
0935 250741 2015-06-01	UPPER MANNVILLE O2O
0935 250743 2015-06-01	UPPER MANNVILLE Q2Q
0935 250745 2015-06-01	UPPER MANNVILLE S2S
0935 250746 2015-06-01	UPPER MANNVILLE T2T
0935 250748 2015-06-01	UPPER MANNVILLE V2V
0935 250749 2015-06-01	UPPER MANNVILLE W2W
0935 250750 2015-06-01	UPPER MANNVILLE X2X

**POOL DESIGNATION (cont'd)**

0935 250751 2015-06-01	UPPER MANNVILLE Y2Y
0935 250752 2015-06-01	UPPER MANNVILLE Z2Z
0935 251101 2015-06-01	UPPER MANNVILLE A3A
0935 251102 2015-06-01	UPPER MANNVILLE B3B
0935 251103 2015-06-01	UPPER MANNVILLE C3C
0935 251104 2015-06-01	UPPER MANNVILLE D3D
0935 251105 2015-06-01	UPPER MANNVILLE E3E
0935 251106 2015-06-01	UPPER MANNVILLE F3F
0935 251107 2015-06-01	UPPER MANNVILLE G3G
0935 251108 2015-06-01	UPPER MANNVILLE H3H
0935 251109 2015-06-01	UPPER MANNVILLE I3I
0935 251110 2015-06-01	UPPER MANNVILLE J3J
0935 251111 2015-06-01	UPPER MANNVILLE K3K
0935 251112 2015-06-01	UPPER MANNVILLE L3L
0935 251114 2015-06-01	UPPER MANNVILLE N3N
0935 251115 2015-06-01	UPPER MANNVILLE O3O
0935 251116 2015-06-01	UPPER MANNVILLE P3P
0935 251117 2015-06-01	UPPER MANNVILLE Q3Q
0935 251118 2015-06-01	UPPER MANNVILLE R3R
0935 251119 2015-06-01	UPPER MANNVILLE S3S
0935 251120 2015-06-01	UPPER MANNVILLE T3T
0935 251121 2015-06-01	UPPER MANNVILLE U3U
0935 251123 2015-06-01	UPPER MANNVILLE W3W
0935 251124 2015-06-01	UPPER MANNVILLE X3X
0935 251125 2015-06-01	UPPER MANNVILLE Y3Y
0935 251126 2015-06-01	UPPER MANNVILLE Z3Z
0935 251127 2017-08-01	UPPER MANNVILLE A4A
0935 251128 2015-06-01	UPPER MANNVILLE B4B
0935 251129 2015-06-01	UPPER MANNVILLE C4C
0935 251130 2015-06-01	UPPER MANNVILLE D4D
0935 251131 2015-06-01	UPPER MANNVILLE E4E
0935 251132 2015-06-01	UPPER MANNVILLE F4F
0935 251133 2015-06-01	UPPER MANNVILLE G4G
0935 251134 2015-06-01	UPPER MANNVILLE H4H
0935 251135 2015-06-01	UPPER MANNVILLE I4I
0935 251136 2015-06-01	UPPER MANNVILLE J4J
0935 251137 2015-06-01	UPPER MANNVILLE K4K
0935 251138 2015-06-01	UPPER MANNVILLE L4L

**POOL DESIGNATION (cont'd)**

0935 251139 2015-06-01	UPPER MANNVILLE M4M
0935 251140 2015-06-01	UPPER MANNVILLE N4N
0935 251141 2015-06-01	UPPER MANNVILLE O4O
0935 251142 2015-06-01	UPPER MANNVILLE P4P
0935 251143 2015-06-01	UPPER MANNVILLE Q4Q
0935 251144 2015-06-01	UPPER MANNVILLE R4R
0935 251145 2015-06-01	UPPER MANNVILLE S4S
0935 251146 2015-06-01	UPPER MANNVILLE T4T
0935 251147 2015-06-01	UPPER MANNVILLE U4U
0935 251148 2015-06-01	UPPER MANNVILLE V4V
0935 251149 2015-06-01	UPPER MANNVILLE W4W
0935 251150 2015-06-01	UPPER MANNVILLE X4X
0935 251151 2015-06-01	UPPER MANNVILLE Y4Y
0935 251152 2015-06-01	UPPER MANNVILLE Z4Z
0935 251501 2015-06-01	UPPER MANNVILLE A5A
0935 251502 2015-06-01	UPPER MANNVILLE B5B
0935 251503 2015-06-01	UPPER MANNVILLE C5C
0935 251504 2015-06-01	UPPER MANNVILLE D5D
0935 251505 2015-06-01	UPPER MANNVILLE E5E
0935 251506 2015-06-01	UPPER MANNVILLE F5F
0935 251507 2015-06-01	UPPER MANNVILLE G5G
0935 251508 2015-06-01	UPPER MANNVILLE H5H
0935 251509 2015-06-01	UPPER MANNVILLE I5I
0935 251510 2015-06-01	UPPER MANNVILLE J5J
0935 251511 2015-06-01	UPPER MANNVILLE K5K
0935 251512 2015-06-01	UPPER MANNVILLE L5L
0935 251513 2015-06-01	UPPER MANNVILLE M5M
0935 251514 2015-06-01	UPPER MANNVILLE N5N
0935 251515 2015-06-01	UPPER MANNVILLE O5O
0935 251516 2015-06-01	UPPER MANNVILLE P5P
0935 251517 2015-06-01	UPPER MANNVILLE Q5Q
0935 251518 2015-06-01	UPPER MANNVILLE R5R
0935 251519 2015-06-01	UPPER MANNVILLE S5S
0935 251520 2015-06-01	UPPER MANNVILLE T5T
0935 251521 2015-06-01	UPPER MANNVILLE U5U
0935 251522 2015-06-01	UPPER MANNVILLE V5V
0935 251523 2015-06-01	UPPER MANNVILLE W5W
0935 251524 2015-06-01	UPPER MANNVILLE X5X

**POOL DESIGNATION (cont'd)**

0935 251525 2015-06-01	UPPER MANNVILLE Y5Y
0935 251526 2015-07-01	UPPER MANNVILLE Z5Z
0935 251527 2015-09-01	UPPER MANNVILLE A6A
0935 251528 2017-02-01	UPPER MANNVILLE B6B
0935 251529 2017-02-01	UPPER MANNVILLE C6C
0935 300001 2001-02-01	GLAUCONITIC A
0935 300004 2001-02-01	GLAUCONITIC D
0935 300006 2001-02-01	GLAUCONITIC F
0935 300007 2006-12-01	GLAUCONITIC G
0935 300008 2008-04-01	GLAUCONITIC H
0935 300009 2004-07-01	GLAUCONITIC I
0935 300010 2001-02-01	GLAUCONITIC J
0935 300012 2010-04-01	GLAUCONITIC L
0935 300013 2001-02-01	GLAUCONITIC M
0935 300014 2001-02-01	GLAUCONITIC N
0935 300020 2010-04-01	GLAUCONITIC T
0935 300022 2001-02-01	GLAUCONITIC V
0935 300024 2001-02-01	GLAUCONITIC X
0935 300027 2008-02-01	GLAUCONITIC AA
0935 300028 2001-02-01	GLAUCONITIC BB
0935 300030 2001-02-01	GLAUCONITIC DD
0935 300031 2001-02-01	GLAUCONITIC EE
0935 300032 2001-02-01	GLAUCONITIC FF
0935 300034 2010-04-01	GLAUCONITIC HH
0935 300035 2001-02-01	GLAUCONITIC II
0935 300037 2001-02-01	GLAUCONITIC KK
0935 300039 2001-02-01	GLAUCONITIC MM
0935 300041 2001-02-01	GLAUCONITIC OO
0935 300043 2001-02-01	GLAUCONITIC QQ
0935 300044 2001-02-01	GLAUCONITIC RR
0935 300046 2001-02-01	GLAUCONITIC TT
0935 300047 2008-04-01	GLAUCONITIC UU
0935 300048 2001-02-01	GLAUCONITIC VV
0935 300049 2001-02-01	GLAUCONITIC WW
0935 300050 2001-02-01	GLAUCONITIC XX
0935 300052 2015-04-01	GLAUCONITIC ZZ
0935 300901 2001-02-01	GLAUCONITIC AAA

**POOL DESIGNATION (cont'd)**

0935 300902 2001-02-01	GLAUCONITIC BBB
0935 300903 2014-12-01	GLAUCONITIC CCC
0935 300904 2001-02-01	GLAUCONITIC DDD
0935 300905 2010-04-01	GLAUCONITIC EEE
0935 300906 2001-02-01	GLAUCONITIC FFF
0935 300909 2013-06-01	GLAUCONITIC III
0935 300910 2009-12-01	GLAUCONITIC JJJ
0935 300911 2017-06-01	GLAUCONITIC KKK
0935 300912 2001-03-01	GLAUCONITIC LLL
0935 300913 2001-03-01	GLAUCONITIC MMM
0935 300914 2001-12-01	GLAUCONITIC NNN
0935 300915 2001-08-01	GLAUCONITIC OOO
0935 300917 2002-02-01	GLAUCONITIC QQQ
0935 300918 2002-11-01	GLAUCONITIC RRR
0935 300919 2010-06-01	GLAUCONITIC SSS
0935 300921 2003-02-01	GLAUCONITIC UUU
0935 300922 2003-07-01	GLAUCONITIC VVV
0935 300923 2004-01-01	GLAUCONITIC WWW
0935 300924 2010-04-01	GLAUCONITIC XXX
0935 300926 2003-07-01	GLAUCONITIC ZZZ
0935 300927 2003-07-01	GLAUCONITIC A2A
0935 300928 2003-07-01	GLAUCONITIC B2B
0935 300929 2013-04-01	GLAUCONITIC C2C
0935 300930 2003-07-01	GLAUCONITIC D2D
0935 300931 2003-07-01	GLAUCONITIC E2E
0935 300932 2006-07-01	GLAUCONITIC F2F
0935 300933 2003-07-01	GLAUCONITIC G2G
0935 300934 2003-07-01	GLAUCONITIC H2H
0935 300935 2003-07-01	GLAUCONITIC I2I
0935 300937 2011-10-01	GLAUCONITIC K2K
0935 300938 2010-04-01	GLAUCONITIC L2L
0935 300939 2003-10-01	GLAUCONITIC M2M
0935 300940 2009-11-01	GLAUCONITIC N2N
0935 300941 2014-02-01	GLAUCONITIC O2O
0935 300942 2004-07-01	GLAUCONITIC P2P
0935 300943 2004-05-01	GLAUCONITIC Q2Q
0935 300945 2011-05-01	GLAUCONITIC S2S
0935 300946 2010-04-01	GLAUCONITIC T2T

**POOL DESIGNATION (cont'd)**

0935 300947 2010-04-01	GLAUCONITIC U2U
0935 300948 2012-03-01	GLAUCONITIC V2V
0935 300949 2010-04-01	GLAUCONITIC W2W
0935 300950 2010-04-01	GLAUCONITIC X2X
0935 300951 2010-04-01	GLAUCONITIC Y2Y
0935 300952 2005-02-01	GLAUCONITIC Z2Z
0935 301502 2010-04-01	GLAUCONITIC B3B
0935 301503 2010-04-01	GLAUCONITIC C3C
0935 301504 2010-04-01	GLAUCONITIC D3D
0935 301505 2005-05-01	GLAUCONITIC E3E
0935 301506 2010-04-01	GLAUCONITIC F3F
0935 301507 2005-06-01	GLAUCONITIC G3G
0935 301510 2010-04-01	GLAUCONITIC J3J
0935 301511 2010-04-01	GLAUCONITIC K3K
0935 301512 2010-06-01	GLAUCONITIC L3L
0935 301513 2010-04-01	GLAUCONITIC M3M
0935 301514 2010-04-01	GLAUCONITIC N3N
0935 301515 2006-04-01	GLAUCONITIC O3O
0935 301516 2010-04-01	GLAUCONITIC P3P
0935 301518 2016-10-01	GLAUCONITIC R3R
0935 301519 2006-06-01	GLAUCONITIC S3S
0935 301520 2006-09-01	GLAUCONITIC T3T
0935 301521 2008-12-01	GLAUCONITIC U3U
0935 301522 2006-12-01	GLAUCONITIC V3V
0935 301523 2010-04-01	GLAUCONITIC W3W
0935 301525 2007-12-01	GLAUCONITIC Y3Y
0935 301526 2007-12-01	GLAUCONITIC Z3Z
0935 301527 2007-12-01	GLAUCONITIC A4A
0935 301528 2015-04-01	GLAUCONITIC B4B
0935 301529 2008-03-01	GLAUCONITIC C4C
0935 301530 2010-04-01	GLAUCONITIC D4D
0935 301531 2013-09-01	GLAUCONITIC E4E
0935 301532 2010-04-01	GLAUCONITIC F4F
0935 301533 2010-04-01	GLAUCONITIC G4G
0935 301534 2010-04-01	GLAUCONITIC H4H
0935 301535 2009-03-01	GLAUCONITIC I4I
0935 301536 2009-04-01	GLAUCONITIC J4J
0935 301537 2009-05-01	GLAUCONITIC K4K



**POOL DESIGNATION (cont'd)**

0935 301538 2009-06-01	GLAUCONITIC L4L
0935 301539 2009-08-01	GLAUCONITIC M4M
0935 301540 2010-06-01	GLAUCONITIC N4N
0935 301541 2009-10-01	GLAUCONITIC O4O
0935 301542 2009-11-01	GLAUCONITIC P4P
0935 301543 2010-04-01	GLAUCONITIC Q4Q
0935 301544 2010-04-01	GLAUCONITIC R4R
0935 301545 2010-03-01	GLAUCONITIC S4S
0935 301546 2010-10-01	GLAUCONITIC T4T
0935 301547 2011-02-01	GLAUCONITIC U4U
0935 301548 2011-02-01	GLAUCONITIC V4V
0935 301549 2014-08-01	GLAUCONITIC W4W
0935 301550 2011-02-01	GLAUCONITIC X4X
0935 301551 2011-05-01	GLAUCONITIC Y4Y
0935 301552 2011-07-01	GLAUCONITIC Z4Z
0935 301701 2011-08-01	GLAUCONITIC A5A
0935 301702 2011-08-01	GLAUCONITIC B5B
0935 301703 2011-08-01	GLAUCONITIC C5C
0935 301704 2011-10-01	GLAUCONITIC D5D
0935 301705 2012-02-01	GLAUCONITIC E5E
0935 301706 2012-04-01	GLAUCONITIC F5F
0935 301707 2013-06-01	GLAUCONITIC G5G
0935 301708 2013-10-01	GLAUCONITIC H5H
0935 301709 2013-10-01	GLAUCONITIC I5I
0935 301710 2014-12-01	GLAUCONITIC J5J
0935 301711 2015-02-01	GLAUCONITIC K5K
0935 301712 2015-03-01	GLAUCONITIC L5L
0935 301713 2015-07-01	GLAUCONITIC M5M
0935 301714 2015-07-01	GLAUCONITIC N5N
0935 301715 2015-07-01	GLAUCONITIC O5O
0935 301716 2015-07-01	GLAUCONITIC P5P
0935 301717 2015-07-01	GLAUCONITIC Q5Q
0935 301718 2015-07-01	GLAUCONITIC R5R
0935 301719 2015-07-01	GLAUCONITIC S5S
0935 301720 2015-07-01	GLAUCONITIC T5T
0935 301721 2015-07-01	GLAUCONITIC U5U
0935 301722 2015-07-01	GLAUCONITIC V5V
0935 301723 2015-07-01	GLAUCONITIC W5W

**POOL DESIGNATION (cont'd)**

0935 301724 2015-07-01	GLAUCONITIC X5X
0935 301725 2015-07-01	GLAUCONITIC Y5Y
0935 301726 2015-07-01	GLAUCONITIC Z5Z
0935 301727 2015-07-01	GLAUCONITIC A6A
0935 301728 2015-07-01	GLAUCONITIC B6B
0935 301729 2015-07-01	GLAUCONITIC C6C
0935 301730 2015-07-01	GLAUCONITIC D6D
0935 301731 2015-07-01	GLAUCONITIC E6E
0935 301732 2015-07-01	GLAUCONITIC F6F
0935 301733 2015-07-01	GLAUCONITIC G6G
0935 301734 2015-07-01	GLAUCONITIC H6H
0935 301735 2016-05-01	GLAUCONITIC I6I
0935 310001 2010-12-01	LOWER MANNVILLE A
0935 310002 2013-07-01	LOWER MANNVILLE B
0935 310003 2015-06-01	LOWER MANNVILLE C
0935 310004 2015-06-01	LOWER MANNVILLE D
0935 310005 2015-06-01	LOWER MANNVILLE E
0935 310006 2015-06-01	LOWER MANNVILLE F
0935 310007 2015-06-01	LOWER MANNVILLE G
0935 310008 2015-06-01	LOWER MANNVILLE H
0935 310009 2015-06-01	LOWER MANNVILLE I
0935 310011 2015-12-01	LOWER MANNVILLE K
0935 310013 2015-06-01	LOWER MANNVILLE M
0935 310015 2015-06-01	LOWER MANNVILLE O
0935 310017 2015-06-01	LOWER MANNVILLE Q
0935 310018 2018-06-01	LOWER MANNVILLE R
0935 310020 2015-06-01	LOWER MANNVILLE T
0935 310021 2015-06-01	LOWER MANNVILLE U
0935 310025 2015-06-01	LOWER MANNVILLE Y
0935 310026 2015-06-01	LOWER MANNVILLE Z
0935 310030 2015-06-01	LOWER MANNVILLE DD
0935 310031 2015-06-01	LOWER MANNVILLE EE
0935 310032 2015-06-01	LOWER MANNVILLE FF
0935 310036 2015-06-01	LOWER MANNVILLE JJ
0935 310037 2015-06-01	LOWER MANNVILLE KK
0935 310038 2015-06-01	LOWER MANNVILLE LL
0935 310045 2015-06-01	LOWER MANNVILLE SS

**POOL DESIGNATION (cont'd)**

0935 310046 2015-06-01	LOWER MANNVILLE TT
0935 310047 2015-06-01	LOWER MANNVILLE UU
0935 310102 2015-06-01	LOWER MANNVILLE BBB
0935 310103 2015-06-01	LOWER MANNVILLE CCC
0935 310105 2015-06-01	LOWER MANNVILLE EEE
0935 310112 2015-06-01	LOWER MANNVILLE LLL
0935 310114 2015-06-01	LOWER MANNVILLE NNN
0935 310116 2015-06-01	LOWER MANNVILLE PPP
0935 310123 2015-06-01	LOWER MANNVILLE WWW
0935 310125 2015-06-01	LOWER MANNVILLE YYY
0935 310126 2015-06-01	LOWER MANNVILLE ZZZ
0935 310128 2015-06-01	LOWER MANNVILLE B2B
0935 310136 2015-06-01	LOWER MANNVILLE J2J
0935 310138 2015-06-01	LOWER MANNVILLE L2L
0935 310139 2015-06-01	LOWER MANNVILLE M2M
0935 310141 2015-06-01	LOWER MANNVILLE O2O
0935 310215 2015-06-01	LOWER MANNVILLE O3O
0935 310216 2015-06-01	LOWER MANNVILLE P3P
0935 310217 2015-06-01	LOWER MANNVILLE Q3Q
0935 310218 2015-06-01	LOWER MANNVILLE R3R
0935 310219 2015-06-01	LOWER MANNVILLE S3S
0935 310220 2015-06-01	LOWER MANNVILLE T3T
0935 310221 2015-06-01	LOWER MANNVILLE U3U
0935 310222 2015-06-01	LOWER MANNVILLE V3V
0935 310223 2015-06-01	LOWER MANNVILLE W3W
0935 310224 2015-06-01	LOWER MANNVILLE X3X
0935 310225 2015-06-01	LOWER MANNVILLE Y3Y
0935 310226 2015-06-01	LOWER MANNVILLE Z3Z
0935 310227 2015-06-01	LOWER MANNVILLE A4A
0935 310228 2015-06-01	LOWER MANNVILLE B4B
0935 310229 2015-06-01	LOWER MANNVILLE C4C
0935 310230 2015-06-01	LOWER MANNVILLE D4D
0935 310231 2015-06-01	LOWER MANNVILLE E4E
0935 310232 2015-06-01	LOWER MANNVILLE F4F
0935 310233 2015-06-01	LOWER MANNVILLE G4G
0935 310234 2015-06-01	LOWER MANNVILLE H4H
0935 310235 2015-06-01	LOWER MANNVILLE I4I
0935 310236 2015-06-01	LOWER MANNVILLE J4J

**POOL DESIGNATION (cont'd)**

0935 310237 2015-06-01	LOWER MANNVILLE K4K
0935 310238 2015-06-01	LOWER MANNVILLE L4L
0935 310239 2015-06-01	LOWER MANNVILLE M4M
0935 310240 2018-07-01	LOWER MANNVILLE N4N
0935 310241 2015-06-01	LOWER MANNVILLE O4O
0935 310242 2015-06-01	LOWER MANNVILLE P4P
0935 310243 2015-06-01	LOWER MANNVILLE Q4Q
0935 310244 2015-06-01	LOWER MANNVILLE R4R
0935 310245 2015-06-01	LOWER MANNVILLE S4S
0935 310246 2015-06-01	LOWER MANNVILLE T4T
0935 310247 2015-06-01	LOWER MANNVILLE U4U
0935 310248 2015-06-01	LOWER MANNVILLE V4V
0935 310249 2015-06-01	LOWER MANNVILLE W4W
0935 310250 2015-06-01	LOWER MANNVILLE X4X
0935 310251 2015-06-01	LOWER MANNVILLE Y4Y
0935 310252 2015-06-01	LOWER MANNVILLE Z4Z
0935 310301 2015-06-01	LOWER MANNVILLE A5A
0935 310302 2015-06-01	LOWER MANNVILLE B5B
0935 310303 2015-06-01	LOWER MANNVILLE C5C
0935 310304 2015-06-01	LOWER MANNVILLE D5D
0935 310305 2015-06-01	LOWER MANNVILLE E5E
0935 310306 2015-06-01	LOWER MANNVILLE F5F
0935 310307 2015-06-01	LOWER MANNVILLE G5G
0935 310308 2015-06-01	LOWER MANNVILLE H5H
0935 310309 2015-06-01	LOWER MANNVILLE I5I
0935 310310 2015-06-01	LOWER MANNVILLE J5J
0935 310311 2015-06-01	LOWER MANNVILLE K5K
0935 310312 2015-06-01	LOWER MANNVILLE L5L
0935 310313 2015-06-01	LOWER MANNVILLE M5M
0935 310314 2015-06-01	LOWER MANNVILLE N5N
0935 310315 2015-06-01	LOWER MANNVILLE O5O
0935 310316 2015-06-01	LOWER MANNVILLE P5P
0935 310317 2015-06-01	LOWER MANNVILLE Q5Q
0935 310318 2015-06-01	LOWER MANNVILLE R5R
0935 310319 2015-06-01	LOWER MANNVILLE S5S
0935 310320 2015-06-01	LOWER MANNVILLE T5T
0935 310321 2015-06-01	LOWER MANNVILLE U5U
0935 310322 2015-06-01	LOWER MANNVILLE V5V

**POOL DESIGNATION (cont'd)**

0935 310323 2015-06-01	LOWER MANNVILLE W5W
0935 316001 2006-12-01	OSTRACOD A
0935 316002 2001-02-01	OSTRACOD B
0935 316004 2001-02-01	OSTRACOD D
0935 316005 2001-02-01	OSTRACOD E
0935 316008 2011-02-01	OSTRACOD H
0935 316009 2009-10-01	OSTRACOD I
0935 316010 2001-02-01	OSTRACOD J
0935 316013 2006-06-01	OSTRACOD M
0935 316014 2001-02-01	OSTRACOD N
0935 316015 2001-02-01	OSTRACOD O
0935 316017 2001-02-01	OSTRACOD Q
0935 316018 2001-02-01	OSTRACOD R
0935 316020 2001-02-01	OSTRACOD T
0935 316021 2003-11-01	OSTRACOD U
0935 316022 2003-01-01	OSTRACOD V
0935 316023 2003-07-01	OSTRACOD W
0935 316024 2003-07-01	OSTRACOD X
0935 316025 2003-07-01	OSTRACOD Y
0935 316026 2010-04-01	OSTRACOD Z
0935 316027 2004-03-01	OSTRACOD AA
0935 316028 2010-04-01	OSTRACOD BB
0935 316029 2006-04-01	OSTRACOD CC
0935 316031 2007-12-01	OSTRACOD EE
0935 316032 2007-12-01	OSTRACOD FF
0935 316033 2008-02-01	OSTRACOD GG
0935 316034 2010-04-01	OSTRACOD HH
0935 316035 2009-06-01	OSTRACOD II
0935 316036 2010-12-01	OSTRACOD JJ
0935 316037 2011-02-01	OSTRACOD KK
0935 316038 2012-07-01	OSTRACOD LL
0935 316039 2013-03-01	OSTRACOD MM
0935 316040 2013-06-01	OSTRACOD NN
0935 316041 2013-07-01	OSTRACOD OO
0935 316042 2014-06-01	OSTRACOD PP
0935 316043 2017-06-01	OSTRACOD QQ

**POOL DESIGNATION (cont'd)**

0935 334001	2001-02-01	BASAL QUARTZ A
0935 334002	2017-10-01	BASAL QUARTZ B
0935 334003	2010-04-01	BASAL QUARTZ C
0935 334004	2001-02-01	BASAL QUARTZ D
0935 334006	2001-02-01	BASAL QUARTZ F
0935 334007	2010-04-01	BASAL QUARTZ G
0935 334008	2001-02-01	BASAL QUARTZ H
0935 334009	2001-02-01	BASAL QUARTZ I
0935 334010	2010-04-01	BASAL QUARTZ J
0935 334012	2002-02-01	BASAL QUARTZ L
0935 334013	2001-02-01	BASAL QUARTZ M
0935 334016	2001-02-01	BASAL QUARTZ P
0935 334018	2001-02-01	BASAL QUARTZ R
0935 334019	2001-02-01	BASAL QUARTZ S
0935 334021	2012-08-01	BASAL QUARTZ U
0935 334023	2006-12-01	BASAL QUARTZ W
0935 334025	2004-10-01	BASAL QUARTZ Y
0935 334027	2001-02-01	BASAL QUARTZ AA
0935 334028	2001-02-01	BASAL QUARTZ BB
0935 334030	2018-08-01	BASAL QUARTZ DD
0935 334032	2013-05-01	BASAL QUARTZ FF
0935 334033	2018-07-01	BASAL QUARTZ GG
0935 334040	2001-02-01	BASAL QUARTZ NN
0935 334041	2004-06-01	BASAL QUARTZ OO
0935 334045	2001-02-01	BASAL QUARTZ SS
0935 334046	2011-02-01	BASAL QUARTZ TT
0935 334047	2001-02-01	BASAL QUARTZ UU
0935 334049	2001-02-01	BASAL QUARTZ WW
0935 334051	2001-02-01	BASAL QUARTZ YY
0935 334052	2001-02-01	BASAL QUARTZ ZZ
0935 334105	2006-03-01	BASAL QUARTZ EEE
0935 334106	2001-10-01	BASAL QUARTZ FFF
0935 334108	2010-12-01	BASAL QUARTZ HHH
0935 334109	2001-02-01	BASAL QUARTZ III
0935 334110	2018-09-01	BASAL QUARTZ JJJ
0935 334111	2005-11-01	BASAL QUARTZ KKK
0935 334113	2003-09-01	BASAL QUARTZ MMM
0935 334114	2001-02-01	BASAL QUARTZ NNN

**POOL DESIGNATION (cont'd)**

0935 334115 2001-02-01	BASAL QUARTZ OOO
0935 334119 2001-02-01	BASAL QUARTZ SSS
0935 334124 2001-02-01	BASAL QUARTZ XXX
0935 334125 2008-11-01	BASAL QUARTZ YYY
0935 334128 2009-12-01	BASAL QUARTZ B2B
0935 334129 2003-08-01	BASAL QUARTZ C2C
0935 334130 2001-03-01	BASAL QUARTZ D2D
0935 334132 2001-12-01	BASAL QUARTZ F2F
0935 334133 2002-02-01	BASAL QUARTZ G2G
0935 334135 2010-04-01	BASAL QUARTZ I2I
0935 334137 2010-04-01	BASAL QUARTZ K2K
0935 334138 2010-04-01	BASAL QUARTZ L2L
0935 334139 2011-03-01	BASAL QUARTZ M2M
0935 334141 2010-04-01	BASAL QUARTZ O2O
0935 334142 2010-04-01	BASAL QUARTZ P2P
0935 334143 2003-07-01	BASAL QUARTZ Q2Q
0935 334144 2003-07-01	BASAL QUARTZ R2R
0935 334145 2003-07-01	BASAL QUARTZ S2S
0935 334151 2011-03-01	BASAL QUARTZ Y2Y
0935 334801 2010-04-01	BASAL QUARTZ A3A
0935 334802 2014-05-01	BASAL QUARTZ B3B
0935 334803 2010-04-01	BASAL QUARTZ C3C
0935 334804 2008-02-01	BASAL QUARTZ D3D
0935 334805 2005-03-01	BASAL QUARTZ E3E
0935 334807 2005-02-01	BASAL QUARTZ G3G
0935 334808 2005-11-01	BASAL QUARTZ H3H
0935 334810 2010-04-01	BASAL QUARTZ J3J
0935 334811 2010-04-01	BASAL QUARTZ K3K
0935 334812 2006-01-01	BASAL QUARTZ L3L
0935 334813 2010-04-01	BASAL QUARTZ M3M
0935 334814 2013-05-01	BASAL QUARTZ N3N
0935 334815 2006-05-01	BASAL QUARTZ O3O
0935 334816 2014-05-01	BASAL QUARTZ P3P
0935 334818 2010-04-01	BASAL QUARTZ R3R
0935 334820 2008-06-01	BASAL QUARTZ T3T
0935 334821 2008-06-01	BASAL QUARTZ U3U
0935 334822 2011-09-01	BASAL QUARTZ V3V
0935 334824 2010-04-01	BASAL QUARTZ X3X

**POOL DESIGNATION (cont'd)**

0935 334825 2009-07-01	BASAL QUARTZ Y3Y
0935 334826 2009-05-01	BASAL QUARTZ Z3Z
0935 334827 2014-07-01	BASAL QUARTZ A4A
0935 334828 2011-12-01	BASAL QUARTZ B4B
0935 334829 2009-09-01	BASAL QUARTZ C4C
0935 334830 2010-04-01	BASAL QUARTZ D4D
0935 334836 2010-03-01	BASAL QUARTZ J4J
0935 334838 2010-05-01	BASAL QUARTZ L4L
0935 334839 2010-05-01	BASAL QUARTZ M4M
0935 334840 2010-07-01	BASAL QUARTZ N4N
0935 334841 2011-02-01	BASAL QUARTZ O4O
0935 334842 2011-02-01	BASAL QUARTZ P4P
0935 334843 2011-11-01	BASAL QUARTZ Q4Q
0935 334845 2011-10-01	BASAL QUARTZ S4S
0935 334846 2011-12-01	BASAL QUARTZ T4T
0935 334847 2011-12-01	BASAL QUARTZ U4U
0935 334850 2011-08-01	BASAL QUARTZ X4X
0935 334852 2011-09-01	BASAL QUARTZ Z4Z
0935 334901 2012-01-01	BASAL QUARTZ A5A
0935 334902 2012-01-01	BASAL QUARTZ B5B
0935 334903 2012-01-01	BASAL QUARTZ C5C
0935 334904 2012-01-01	BASAL QUARTZ D5D
0935 334905 2012-03-01	BASAL QUARTZ E5E
0935 334906 2013-07-01	BASAL QUARTZ F5F
0935 334907 2013-02-01	BASAL QUARTZ G5G
0935 334908 2013-03-01	BASAL QUARTZ H5H
0935 334909 2014-08-01	BASAL QUARTZ I5I
0935 334910 2014-03-01	BASAL QUARTZ J5J
0935 334911 2013-10-01	BASAL QUARTZ K5K
0935 334912 2017-04-01	BASAL QUARTZ L5L
0935 334913 2014-03-01	BASAL QUARTZ M5M
0935 334914 2015-04-01	BASAL QUARTZ N5N
0935 334915 2017-09-01	BASAL QUARTZ O5O
0935 334916 2018-09-01	BASAL QUARTZ P5P
0935 336001 2015-04-01	ELLERSLIE A
0935 336002 2015-02-01	ELLERSLIE B
0935 336003 2015-07-01	ELLERSLIE C



**POOL DESIGNATION (cont'd)**

0935 336004	2015-07-01	ELLERSLIE D
0935 336005	2015-07-01	ELLERSLIE E
0935 336006	2015-07-01	ELLERSLIE F
0935 336007	2015-07-01	ELLERSLIE G
0935 336008	2015-07-01	ELLERSLIE H
0935 336009	2015-07-01	ELLERSLIE I
0935 336010	2015-07-01	ELLERSLIE J
0935 336011	2015-07-01	ELLERSLIE K
0935 336012	2015-07-01	ELLERSLIE L
0935 336013	2015-07-01	ELLERSLIE M
0935 336014	2015-07-01	ELLERSLIE N
0935 336015	2015-07-01	ELLERSLIE O
0935 336016	2015-07-01	ELLERSLIE P
0935 336017	2015-07-01	ELLERSLIE Q
0935 336018	2015-07-01	ELLERSLIE R
0935 336019	2015-07-01	ELLERSLIE S
0935 336020	2015-07-01	ELLERSLIE T
0935 336021	2016-12-01	ELLERSLIE U
0935 336022	2017-11-01	ELLERSLIE V
0935 336023	2018-02-01	ELLERSLIE W
0935 336024	2018-10-01	ELLERSLIE X
0935 642001	2001-12-01	PEKISKO A
0935 642002	2012-07-01	PEKISKO B
0935 642003	2015-03-01	PEKISKO C
0935 642004	2015-06-01	PEKISKO D
0935 642005	2015-06-01	PEKISKO E
0935 642006	2015-06-01	PEKISKO F
0935 642007	2015-07-01	PEKISKO G
0935 642008	2015-07-01	PEKISKO H
0935 642009	2015-07-01	PEKISKO I
0935 642010	2015-07-01	PEKISKO J
0935 642011	2015-07-01	PEKISKO K
0935 642012	2015-07-01	PEKISKO L
0935 642013	2015-07-01	PEKISKO M
0935 642014	2015-07-01	PEKISKO N
0935 642015	2015-07-01	PEKISKO O
0935 642016	2015-07-01	PEKISKO P

**POOL DESIGNATION (cont'd)**

0935 642017	2015-07-01	PEKISKO Q
0935 642018	2015-07-01	PEKISKO R
0935 642019	2015-07-01	PEKISKO S
0935 642020	2015-07-01	PEKISKO T
0935 642021	2015-07-01	PEKISKO U
0935 644003	2001-10-01	BANFF C
0935 644004	2010-09-01	BANFF D
0935 644005	2015-06-01	BANFF E
0935 644006	2015-06-01	BANFF F
0935 644007	2015-06-01	BANFF G
0935 644008	2015-06-01	BANFF H
0935 644009	2015-06-01	BANFF I
0935 644010	2015-06-01	BANFF J
0935 644011	2015-06-01	BANFF K
0935 644012	2015-07-01	BANFF L
0935 696001	2010-04-01	NISKU A
0935 696003	2004-10-01	NISKU C
0935 696005	2007-08-01	NISKU E
0935 696006	2003-02-01	NISKU F
0935 696007	2015-06-01	NISKU G
0935 696008	2015-06-01	NISKU H
0935 696009	2015-06-01	NISKU I
0935 696010	2015-06-01	NISKU J
0935 696011	2015-06-01	NISKU K
0935 850200	2018-04-01	MFP8502 MED HAT
0935 850600	2018-07-01	MFP8506 BELLY RIVER
0935 851100	2015-07-01	MFP8511 VIKING
0935 853500	2015-07-01	MFP8535 BSL BELLY RIV
0935 854000	2015-06-01	MFP8540 BSL BELLY RIV
0935 854300	2018-07-01	MFP8543 BSL BELLY RIV

**POOL DESIGNATION (cont'd)**

0935 858600 2015-07-01 MFP8586 LWR EDMONTON  
0935 859000 2015-07-01 MFP8590 BSL BELLY RIV

**SPACING PATTERN**

SU 4181 6 May 2004  
SU 4181A 8 Jun 2004  
SU 4181B 23 Jun 2004  
SU 4181C 15 Jul 2004  
SU 4181D 20 Aug 2004  
SU 4181E 2 Sep 2004  
SU 4181F 11 Jan 2005  
SU 4181G 18 Mar 2005  
SU 4181H 6 Apr 2005  
SU 4181I 8 Aug 2005  
SU 4181J 16 Nov 2005  
SU 4181K 13 Dec 2005  
SU 4181L 23 Feb 2006  
SU 4181M 3 May 2006  
SU 4181N 19 May 2006  
SU 4181O 17 Sep 2007

**COMMINGLED PRODUCTION**

MU 1178 12 Apr 1995  
MU 8738 6 Jul 2015

**GAS STORAGE SCHEMES**

App 7679D 23 Oct 2015  
Glaucconitic M5M  
ATCO Midstream Ltd.

**ENHANCED RECOVERY SCHEMES**

App 11755D 9 Dec 2015  
Waterflood  
Mannville H  
Marquee Energy Ltd.  
  
App 10389G 22 Jan 2018  
Waterflood  
Basal Quartz YYY  
Torxen Energy Ltd.  
  
App 11989F 24 Apr 2017  
Immiscible - Hydrocarbon  
Glaucconitic E4E  
Manitok Energy Inc.  
  
App 12217B 5 May 2016  
Waterflood  
Basal Quartz GG  
Canadian Natural Resources Limited  
  
App 12259B 22 Jan 2018  
Waterflood  
Basal Quartz B  
Torxen Energy Ltd.  
  
App 12629A 17 Sep 2018  
Waterflood  
Basal Quartz K4K  
Torxen Energy Ltd.

**SUBSURFACE DISPOSAL SCHEMES**

App 8084E 18 Sep 2015  
Class II  
Bears paw Petroleum Ltd.

App 844C 18 Sep 2015  
Class II  
Marquee Energy Ltd.

App 10281C 18 Sep 2015  
Class II  
Aqua Terra Water Management Inc.

App 7770C 25 Jun 2015  
Class III Acid Gas  
Manitok Energy Inc.

App 9864 7 Jun 2004  
Class Ib  
Newalta Corporation

App 10686D 12 Sep 2017  
Class II  
Manitok Energy Inc.

App 11046D 29 Mar 2018  
Class II  
Torxen Energy Ltd.

App 12663 12 Sep 2017  
Class II & Ib  
Manitok Energy Inc.

**COMPULSORY POOLING**

P 240 17 Oct 2003  
Gas  
08-029-20W4M  
Bears paw Petroleum Ltd.

**COMPULSORY POOLING (cont'd)**

P 241 17 Oct 2003  
P 241A 23 Mar 2004  
P 241B 26 Apr 2006

Gas  
08-029-20W4M  
Bears paw Petroleum Ltd.

P 242 17 Oct 2003  
Gas  
08-029-20W4M  
Bears paw Petroleum Ltd.

P 457 30 Sep 2016  
Gas  
06-15-029-20W4  
Bears paw Petroleum Ltd.

**FIELD DESIGNATION**

0960 2010-12-01 WEASEL FIELD

**POOL DESIGNATION**

0960 250001 2011-04-01 UPPER MANNVILLE A

0960 250002 2011-05-01 UPPER MANNVILLE B

0960 250003 2011-05-01 UPPER MANNVILLE C

0960 300001 2010-04-01 GLAUCONITIC A

0960 300002 2011-05-01 GLAUCONITIC B

0960 336001 2010-04-01 ELLERSLIE A

0960 336002 2011-10-01 ELLERSLIE B

**FIELD DESIGNATION**

0937 2005-01-01            WEBSTER FIELD

**POOL DESIGNATION**

0937 232001 2012-01-01    CADOTTE A

0937 250001 2001-02-01    UPPER MANNVILLE A

0937 304001 2004-12-01    BLUESKY A

0937 310001 2012-01-01    LOWER MANNVILLE A

0937 326001 2005-09-01    GETHING A

0937 326002 2012-12-01    GETHING B

0937 508004 2010-04-01    CHARLIE LAKE D

0937 516001 2001-03-01    HALFWAY A

0937 516002 2005-10-01    HALFWAY B

0937 556001 2001-02-01    BELLOY A

**COMMINGLED PRODUCTION**

MU 2774            8 Nov 2002

**FIELD DESIGNATION**

0939 2003-02-01 WELLBURN FIELD

**POOL DESIGNATION**

0939 158001 2001-02-01 MILK RIVER A

0939 202001 2005-05-01 FISH SCALE A

0939 204001 2004-02-01 BARONS A

0939 204002 2004-08-01 BARONS B

0939 213001 2001-02-01 BOW ISLAND A

0939 213002 2001-02-01 BOW ISLAND B

0939 213003 2001-02-01 BOW ISLAND C

0939 213004 2001-02-01 BOW ISLAND D

0939 213005 2010-04-01 BOW ISLAND E

0939 213006 2003-02-01 BOW ISLAND F

0939 213007 2003-05-01 BOW ISLAND G

0939 213008 2003-06-01 BOW ISLAND H

0939 213009 2013-09-01 BOW ISLAND I

0939 346001 2001-02-01 TABER A

0939 346002 2001-02-01 TABER B

0939 428001 2010-04-01 SAWTOOTH A

0939 428002 2001-02-01 SAWTOOTH B

0939 628001 2001-02-01 LIVINGSTONE A

**SPACING PATTERN**

SU 2802 6 Feb 1997

SU 2802A 25 Jul 2000

**COMMINGLED PRODUCTION**

MU 3700 24 Aug 2004

**FIELD DESIGNATION**

0948 2018-10-01                      WEMBLEY FIELD

**POOL DESIGNATION**

0948 190001 2001-02-01        DOE CREEK A  
0948 190002 2016-11-01        DOE CREEK B  
0948 190003 2016-11-01        DOE CREEK C  
0948 190004 2016-11-01        DOE CREEK D

0948 192001 2001-02-01        DUNVEGAN A  
0948 192002 2001-02-01        DUNVEGAN B  
0948 192003 2001-02-01        DUNVEGAN C  
0948 192004 2001-02-01        DUNVEGAN D  
0948 192005 2001-02-01        DUNVEGAN E  
0948 192006 2008-10-01        DUNVEGAN F  
0948 192007 2016-10-01        DUNVEGAN G  
0948 192008 2016-10-01        DUNVEGAN H  
0948 192009 2016-11-01        DUNVEGAN I  
0948 192010 2016-11-01        DUNVEGAN J  
0948 192011 2016-11-01        DUNVEGAN K  
0948 192012 2016-11-01        DUNVEGAN L  
0948 192013 2016-11-01        DUNVEGAN M  
0948 192014 2016-11-01        DUNVEGAN N  
0948 192015 2016-11-01        DUNVEGAN O  
0948 192016 2016-11-01        DUNVEGAN P  
0948 192017 2016-11-01        DUNVEGAN Q

0948 230001 2013-03-01        PADDY A  
0948 230002 2001-02-01        PADDY B  
0948 230003 2006-03-01        PADDY C  
0948 230004 2016-10-01        PADDY D  
0948 230005 2016-11-01        PADDY E  
0948 230006 2016-11-01        PADDY F  
0948 230007 2016-11-01        PADDY G  
0948 230008 2016-11-01        PADDY H  
0948 230009 2016-11-01        PADDY I



**POOL DESIGNATION (cont'd)**

0948 230010 2016-11-01	PADDY J
0948 232001 2001-03-01	CADOTTE A
0948 266001 2016-10-01	NOTIKEWIN A
0948 266002 2016-11-01	NOTIKEWIN B
0948 266003 2016-11-01	NOTIKEWIN C
0948 266004 2016-11-01	NOTIKEWIN D
0948 271501 2001-02-01	FALHER A
0948 271502 2016-10-01	FALHER B
0948 271503 2016-10-01	FALHER C
0948 271504 2016-10-01	FALHER D
0948 271505 2016-10-01	FALHER E
0948 271506 2016-11-01	FALHER F
0948 271507 2016-11-01	FALHER G
0948 271508 2016-11-01	FALHER H
0948 271509 2016-11-01	FALHER I
0948 271510 2016-11-01	FALHER J
0948 271511 2016-11-01	FALHER K
0948 271512 2016-11-01	FALHER L
0948 304001 2013-03-01	BLUESKY A
0948 304002 2016-11-01	BLUESKY B
0948 304003 2016-11-01	BLUESKY C
0948 304004 2016-11-01	BLUESKY D
0948 304005 2016-11-01	BLUESKY E
0948 304006 2016-11-01	BLUESKY F
0948 304007 2016-11-01	BLUESKY G
0948 304008 2016-11-01	BLUESKY H
0948 304009 2016-11-01	BLUESKY I
0948 304010 2016-11-01	BLUESKY J
0948 304011 2016-11-01	BLUESKY K
0948 304012 2016-11-01	BLUESKY L
0948 326001 2001-02-01	GETHING A
0948 326002 2005-02-01	GETHING B
0948 326003 2016-11-01	GETHING C

**POOL DESIGNATION (cont'd)**

0948 326004 2016-11-01	GETHING D
0948 326005 2016-11-01	GETHING E
0948 326006 2016-11-01	GETHING F
0948 326007 2016-11-01	GETHING G
0948 326008 2016-11-01	GETHING H
0948 326009 2016-11-01	GETHING I
0948 326010 2016-11-01	GETHING J
0948 326011 2016-11-01	GETHING K
0948 326012 2016-11-01	GETHING L
0948 408001 2001-02-01	NIKANASSIN A
0948 408002 2007-12-01	NIKANASSIN B
0948 408003 2011-12-01	NIKANASSIN C
0948 408004 2015-02-01	NIKANASSIN D
0948 408005 2016-10-01	NIKANASSIN E
0948 408006 2016-10-01	NIKANASSIN F
0948 408007 2016-11-01	NIKANASSIN G
0948 408008 2016-11-01	NIKANASSIN H
0948 408009 2016-11-01	NIKANASSIN I
0948 408010 2016-11-01	NIKANASSIN J
0948 432001 2016-11-01	ROCK CREEK A
0948 446001 2016-11-01	JURASSIC A
0948 506001 2016-11-01	BALDONNEL A
0948 506002 2016-11-01	BALDONNEL B
0948 506003 2016-11-01	BALDONNEL C
0948 506004 2018-02-01	BALDONNEL D
0948 508001 2001-02-01	CHARLIE LAKE A
0948 508002 2003-02-01	CHARLIE LAKE B
0948 508003 2001-02-01	CHARLIE LAKE C
0948 508004 2001-02-01	CHARLIE LAKE D
0948 508006 2010-04-01	CHARLIE LAKE F
0948 508007 2010-04-01	CHARLIE LAKE G
0948 508008 2001-02-01	CHARLIE LAKE H
0948 508009 2001-02-01	CHARLIE LAKE I

**POOL DESIGNATION (cont'd)**

0948 508010 2001-02-01	CHARLIE LAKE J
0948 508011 2002-10-01	CHARLIE LAKE K
0948 508012 2008-07-01	CHARLIE LAKE L
0948 508013 2012-02-01	CHARLIE LAKE M
0948 508014 2013-07-01	CHARLIE LAKE N
0948 508015 2013-07-01	CHARLIE LAKE O
0948 508016 2015-02-01	CHARLIE LAKE P
0948 508017 2015-02-01	CHARLIE LAKE Q
0948 508018 2015-02-01	CHARLIE LAKE R
0948 508019 2015-02-01	CHARLIE LAKE S
0948 508020 2016-10-01	CHARLIE LAKE T
0948 508021 2016-10-01	CHARLIE LAKE U
0948 508022 2016-10-01	CHARLIE LAKE V
0948 508023 2016-11-01	CHARLIE LAKE W
0948 508024 2016-11-01	CHARLIE LAKE X
0948 508025 2016-11-01	CHARLIE LAKE Y
0948 508026 2016-11-01	CHARLIE LAKE Z
0948 508027 2016-11-01	CHARLIE LAKE AA
0948 508028 2016-11-01	CHARLIE LAKE BB
0948 508029 2016-11-01	CHARLIE LAKE CC
0948 508030 2016-11-01	CHARLIE LAKE DD
0948 508031 2016-11-01	CHARLIE LAKE EE
0948 508032 2016-11-01	CHARLIE LAKE FF
0948 508033 2016-11-01	CHARLIE LAKE GG
0948 508034 2016-11-01	CHARLIE LAKE HH
0948 508035 2016-11-01	CHARLIE LAKE II
0948 508036 2016-11-01	CHARLIE LAKE JJ
0948 508037 2016-11-01	CHARLIE LAKE KK
0948 508038 2016-11-01	CHARLIE LAKE LL
0948 508039 2016-11-01	CHARLIE LAKE MM
0948 508040 2016-11-01	CHARLIE LAKE NN
0948 508041 2016-11-01	CHARLIE LAKE OO
0948 508042 2016-11-01	CHARLIE LAKE PP
0948 508043 2016-11-01	CHARLIE LAKE QQ
0948 508044 2016-11-01	CHARLIE LAKE RR
0948 508045 2016-11-01	CHARLIE LAKE SS
0948 508046 2016-11-01	CHARLIE LAKE TT
0948 508047 2016-11-01	CHARLIE LAKE UU

**POOL DESIGNATION (cont'd)**

0948 508048 2016-11-01	CHARLIE LAKE VV
0948 508049 2018-10-01	CHARLIE LAKE WW
0948 510001 2015-02-01	BOUNDARY A
0948 510002 2016-11-01	BOUNDARY B
0948 510003 2016-11-01	BOUNDARY C
0948 510004 2016-11-01	BOUNDARY D
0948 510005 2016-11-01	BOUNDARY E
0948 510006 2016-11-01	BOUNDARY F
0948 510007 2016-11-01	BOUNDARY G
0948 516018 2010-04-01	HALFWAY R
0948 516021 2001-02-01	HALFWAY U
0948 516022 2001-02-01	HALFWAY V
0948 516023 2001-02-01	HALFWAY W
0948 516024 2001-02-01	HALFWAY X
0948 516025 2001-02-01	HALFWAY Y
0948 516026 2003-01-01	HALFWAY Z
0948 516027 2010-04-01	HALFWAY AA
0948 516028 2004-02-01	HALFWAY BB
0948 516029 2009-08-01	HALFWAY CC
0948 516030 2012-01-01	HALFWAY DD
0948 516031 2012-09-01	HALFWAY EE
0948 516032 2013-07-01	HALFWAY FF
0948 516033 2015-10-01	HALFWAY GG
0948 516034 2015-02-01	HALFWAY HH
0948 516035 2015-02-01	HALFWAY II
0948 516036 2015-02-01	HALFWAY JJ
0948 516037 2015-02-01	HALFWAY KK
0948 516038 2015-02-01	HALFWAY LL
0948 516039 2016-10-01	HALFWAY MM
0948 516040 2016-10-01	HALFWAY NN
0948 516041 2016-11-01	HALFWAY OO
0948 516042 2016-11-01	HALFWAY PP
0948 516043 2016-11-01	HALFWAY QQ
0948 516044 2016-11-01	HALFWAY RR
0948 516045 2016-11-01	HALFWAY SS
0948 516046 2016-11-01	HALFWAY TT

**POOL DESIGNATION (cont'd)**

0948 516047 2016-11-01	HALFWAY UU
0948 516048 2017-02-01	HALFWAY VV
0948 516049 2016-11-01	HALFWAY WW
0948 516050 2016-11-01	HALFWAY XX
0948 516051 2016-11-01	HALFWAY YY
0948 516052 2016-11-01	HALFWAY ZZ
0948 516201 2016-11-01	HALFWAY AAA
0948 516202 2016-11-01	HALFWAY BBB
0948 516203 2016-11-01	HALFWAY CCC
0948 516204 2016-11-01	HALFWAY DDD
0948 516205 2016-11-01	HALFWAY EEE
0948 516206 2016-11-01	HALFWAY FFF
0948 516207 2016-11-01	HALFWAY GGG
0948 516208 2016-11-01	HALFWAY HHH
0948 516209 2016-11-01	HALFWAY III
0948 516210 2016-11-01	HALFWAY JJJ
0948 516211 2016-11-01	HALFWAY KKK
0948 516212 2016-11-01	HALFWAY LLL
0948 516213 2016-11-01	HALFWAY MMM
0948 516214 2016-11-01	HALFWAY NNN
0948 516215 2016-11-01	HALFWAY OOO
0948 516216 2016-11-01	HALFWAY PPP
0948 516217 2016-11-01	HALFWAY QQQ
0948 516218 2016-11-01	HALFWAY RRR
0948 516219 2016-11-01	HALFWAY SSS
0948 520005 2014-11-01	DOIG E
0948 520006 2001-02-01	DOIG F
0948 520007 2012-01-01	DOIG G
0948 520010 2013-12-01	DOIG J
0948 520013 2007-01-01	DOIG M
0948 520015 2007-05-01	DOIG O
0948 520017 2015-02-01	DOIG Q
0948 520018 2015-02-01	DOIG R
0948 520019 2016-11-01	DOIG S
0948 520020 2015-02-01	DOIG T
0948 520021 2016-10-01	DOIG U
0948 520022 2016-10-01	DOIG V

**POOL DESIGNATION (cont'd)**

0948 520023 2016-11-01	DOIG W
0948 520024 2016-11-01	DOIG X
0948 520025 2016-11-01	DOIG Y
0948 520026 2016-11-01	DOIG Z
0948 520027 2016-11-01	DOIG AA
0948 520028 2018-07-01	DOIG BB
0948 520029 2016-11-01	DOIG CC
0948 524001 2001-02-01	MONTNEY A
0948 524002 2011-12-01	MONTNEY B
0948 524003 2001-03-01	MONTNEY C
0948 524005 2009-08-01	MONTNEY E
0948 524006 2008-01-01	MONTNEY F
0948 524007 2008-05-01	MONTNEY G
0948 524008 2008-03-01	MONTNEY H
0948 524009 2013-09-01	MONTNEY I
0948 524010 2015-02-01	MONTNEY J
0948 524011 2015-02-01	MONTNEY K
0948 524012 2015-02-01	MONTNEY L
0948 524013 2015-02-01	MONTNEY M
0948 524014 2015-02-01	MONTNEY N
0948 524015 2015-02-01	MONTNEY O
0948 524016 2016-10-01	MONTNEY P
0948 524017 2016-10-01	MONTNEY Q
0948 524018 2016-10-01	MONTNEY R
0948 524019 2016-10-01	MONTNEY S
0948 524020 2017-11-01	MONTNEY T
0948 524021 2016-10-01	MONTNEY U
0948 524022 2016-10-01	MONTNEY V
0948 524023 2017-12-01	MONTNEY W
0948 524024 2017-09-01	MONTNEY X
0948 524025 2016-11-01	MONTNEY Y
0948 524026 2016-11-01	MONTNEY Z
0948 524027 2016-11-01	MONTNEY AA
0948 524028 2016-11-01	MONTNEY BB
0948 524029 2016-11-01	MONTNEY CC
0948 524030 2016-11-01	MONTNEY DD
0948 524031 2016-11-01	MONTNEY EE

**POOL DESIGNATION (cont'd)**

0948 524032 2016-11-01 MONTNEY FF  
0948 524033 2016-11-01 MONTNEY GG  
0948 524034 2016-11-01 MONTNEY HH  
0948 524035 2016-11-01 MONTNEY II  
0948 524036 2017-09-01 MONTNEY JJ  
0948 524037 2018-06-01 MONTNEY KK  
0948 524038 2017-12-01 MONTNEY LL  
0948 524039 2017-12-01 MONTNEY MM  
0948 524040 2018-08-01 MONTNEY NN  
0948 524041 2018-08-01 MONTNEY OO  
0948 524042 2018-04-01 MONTNEY PP  
0948 524043 2018-06-01 MONTNEY QQ

0948 556001 2016-11-01 BELLOY A

0948 852400 2015-02-01 MFP8524 HALFWAY

0948 853000 2016-11-01 MFP8530 HALFWAY

**SPACING PATTERN**

SU 2933 6 Jul 1999  
SU 2933A 4 Oct 2000  
SU 2933B 13 Jun 2001  
SU 2933C 31 Aug 2001  
SU 2933D 10 Jan 2002  
SU 2933E 13 Aug 2002  
SU 2933F 24 Aug 2005

**MISCELLANEOUS ORDERS**

MISC 2006-70B 8 Jan 2009  
Gas production  
Halfway s  
ConocoPhillips Canada Resources Corp.

**COMMINGLED PRODUCTION**

MU 8825 25 Apr 2018

**GAS CYCLING**

App 10633 15 Nov 2006  
Gas Cycling  
Halfway B  
ConocoPhillips Canada Resources  
Corporation

**ENHANCED RECOVERY SCHEMES**

App 10190D 4 Nov 2016  
Waterflood  
Charlie Lake GG  
Insignia Energy Ltd.

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

App 7208E 16 Dec 2014  
Waterflood  
MFP8524 Halfway  
Canadian Natural Resources Limited

App 7926D 16 Dec 2014  
Waterflood  
MFP8524 Halfway  
Canadian Natural Resources Limited

App 7927I 16 Dec 2014  
Waterflood  
MFP8524 Halfway  
Canadian Natural Resources Limited

App 8345K 8 Jul 2015  
Waterflood  
MFP8524 Halfway  
Canadian Natural Resources Limited

App 8561G 16 Dec 2014  
Waterflood  
MFP8524 Halfway  
Canadian Natural Resources Limited

App 10650C 16 Dec 2014  
Waterflood  
MFP8524 Halfway  
Canadian Natural Resources Limited

**SUBSURFACE DISPOSAL SCHEMES**

App 9925D 30 Aug 2017  
Class Ib  
Tervita Corporation

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

App 10341C 30 Aug 2017  
Class II  
Tervita Corporation

App 10693E 19 Oct 2017  
Class III Acid Gas  
Cenovus Energy Inc.

App 11213E 20 Dec 2016  
Class Ib  
Secure Energy Services Inc.

App 12515F 9 May 2018  
Class II  
Canadian Natural Resources Limited

App 12735 6 Jun 2018  
Class II  
Encana Corporation



**FIELD DESIGNATION**

0768 2017-04-01 WEST COVE FIELD

**POOL DESIGNATION**

0768 126002 2005-09-01 BELLY RIVER B

0768 126003 2006-02-01 BELLY RIVER C

0768 134001 2006-01-01 BASAL BELLY RIVER A

0768 444001 2001-02-01 NORDEGG A

0768 444002 2004-11-01 NORDEGG B

0768 444003 2009-10-01 NORDEGG C

0768 444004 2017-04-01 NORDEGG D

0768 444301 2001-02-01 NORDEGG-BANFF A

0768 444302 2001-02-01 NORDEGG-BANFF B

0768 444303 2001-02-01 NORDEGG-BANFF C

**FIELD DESIGNATION**

1299 2003-09-01 WEST PRAIRIE FIELD

**POOL DESIGNATION**

1299 266001 2003-09-01 NOTIKEWIN A

1299 326001 2006-04-01 GETHING A

1299 765501 2010-04-01 GILWOOD A

**SPACING PATTERN**

SU 2570 7 Mar 1996

**FIELD DESIGNATION**

0941 2016-02-01 WESTEROSE FIELD

**POOL DESIGNATION**

0941 218000 2001-02-01 VIKING  
0941 218003 2012-06-01 VIKING C  
0941 218004 2005-06-01 VIKING D  
0941 218006 2013-09-01 VIKING F

0941 250001 2001-02-01 UPPER MANNVILLE A  
0941 250002 2006-01-01 UPPER MANNVILLE B  
0941 250004 2001-02-01 UPPER MANNVILLE D  
0941 250005 2001-02-01 UPPER MANNVILLE E  
0941 250006 2012-03-01 UPPER MANNVILLE F  
0941 250007 2010-04-01 UPPER MANNVILLE G  
0941 250008 2001-02-01 UPPER MANNVILLE H  
0941 250011 2010-04-01 UPPER MANNVILLE K  
0941 250013 2001-02-01 UPPER MANNVILLE M  
0941 250015 2010-04-01 UPPER MANNVILLE O  
0941 250016 2010-04-01 UPPER MANNVILLE P  
0941 250017 2005-01-01 UPPER MANNVILLE Q  
0941 250019 2008-05-01 UPPER MANNVILLE S  
0941 250020 2009-10-01 UPPER MANNVILLE T  
0941 250021 2011-06-01 UPPER MANNVILLE U

0941 310001 2010-04-01 LOWER MANNVILLE A  
0941 310002 2006-06-01 LOWER MANNVILLE B  
0941 310003 2001-02-01 LOWER MANNVILLE C  
0941 310004 2001-02-01 LOWER MANNVILLE D  
0941 310005 2001-02-01 LOWER MANNVILLE E  
0941 310006 2006-06-01 LOWER MANNVILLE F  
0941 310007 2001-02-01 LOWER MANNVILLE G  
0941 310009 2001-02-01 LOWER MANNVILLE I  
0941 310010 2001-03-01 LOWER MANNVILLE J  
0941 310011 2001-02-01 LOWER MANNVILLE K  
0941 310012 2001-02-01 LOWER MANNVILLE L

**POOL DESIGNATION (cont'd)**

0941 310013 2009-10-01	LOWER MANNVILLE M
0941 310014 2010-04-01	LOWER MANNVILLE N
0941 310015 2001-02-01	LOWER MANNVILLE O
0941 310016 2001-02-01	LOWER MANNVILLE P
0941 310017 2001-02-01	LOWER MANNVILLE Q
0941 310018 2001-02-01	LOWER MANNVILLE R
0941 310019 2001-02-01	LOWER MANNVILLE S
0941 310020 2001-03-01	LOWER MANNVILLE T
0941 310021 2002-01-01	LOWER MANNVILLE U
0941 310022 2003-10-01	LOWER MANNVILLE V
0941 310023 2002-06-01	LOWER MANNVILLE W
0941 310024 2013-11-01	LOWER MANNVILLE X
0941 310025 2004-02-01	LOWER MANNVILLE Y
0941 310026 2004-03-01	LOWER MANNVILLE Z
0941 310027 2011-12-01	LOWER MANNVILLE AA
0941 310028 2004-04-01	LOWER MANNVILLE BB
0941 310029 2009-04-01	LOWER MANNVILLE CC
0941 310030 2004-07-01	LOWER MANNVILLE DD
0941 310031 2004-09-01	LOWER MANNVILLE EE
0941 310032 2005-01-01	LOWER MANNVILLE FF
0941 310033 2005-02-01	LOWER MANNVILLE GG
0941 310035 2006-05-01	LOWER MANNVILLE II
0941 310036 2006-06-01	LOWER MANNVILLE JJ
0941 310037 2010-04-01	LOWER MANNVILLE KK
0941 310038 2007-02-01	LOWER MANNVILLE LL
0941 310039 2010-04-01	LOWER MANNVILLE MM
0941 310040 2007-10-01	LOWER MANNVILLE NN
0941 310041 2010-04-01	LOWER MANNVILLE OO
0941 310042 2010-04-01	LOWER MANNVILLE PP
0941 310043 2011-12-01	LOWER MANNVILLE QQ
0941 310044 2010-04-01	LOWER MANNVILLE RR
0941 310045 2009-08-01	LOWER MANNVILLE SS
0941 310047 2012-01-01	LOWER MANNVILLE UU
0941 310048 2012-01-01	LOWER MANNVILLE VV
0941 310049 2012-01-01	LOWER MANNVILLE WW
0941 310050 2015-07-01	LOWER MANNVILLE XX

0941 316001 2005-01-01 OSTRACOD A

**POOL DESIGNATION (cont'd)**

0941 316002 2006-01-01 OSTRACOD B  
0941 658001 2010-04-01 WABAMUN A  
0941 720000 2003-09-01 D-3

**SPACING PATTERN**

SU 4144 19 Jan 2004  
SU 4144A 22 Mar 2004  
SU 4144B 12 May 2004  
SU 4144C 23 Apr 2005  
SU 4144D 26 Aug 2005  
SU 4144E 15 Dec 2005  
SU 4144F 27 Apr 2006  
SU 4144G 18 Apr 2007  
SU 4144H 11 Jul 2007  
SU 4144I 28 Aug 2007

**ENHANCED RECOVERY SCHEMES**

App 8621D 17 Oct 2016  
Other  
Banff B  
Journey Energy Inc.

**CONCURRENT PRODUCTION**

App 8285E 11 Oct 2017  
D-3  
Cenovus Energy Inc.

**SUBSURFACE DISPOSAL SCHEMES**

App 9562A 19 Oct 2017  
Class II  
Cenovus Energy Inc.

**FIELD DESIGNATION**

0946 2013-12-01 WESTLOCK FIELD

**POOL DESIGNATION**

0946 126001 2001-02-01 BELLY RIVER A  
0946 126002 2010-04-01 BELLY RIVER B  
0946 126003 2010-06-01 BELLY RIVER C  
0946 126004 2013-12-01 BELLY RIVER D

0946 186001 2008-03-01 SECOND WHITE SPECKS A

0946 218000 2011-08-01 VIKING  
0946 218002 2010-04-01 VIKING B  
0946 218006 2010-04-01 VIKING F  
0946 218007 2010-04-01 VIKING G  
0946 218009 2010-04-01 VIKING I  
0946 218010 2003-02-01 VIKING J  
0946 218011 2001-02-01 VIKING K  
0946 218012 2014-05-01 VIKING L  
0946 218013 2010-04-01 VIKING M  
0946 218014 2011-08-01 VIKING N  
0946 218016 2001-02-01 VIKING P  
0946 218017 2001-02-01 VIKING Q  
0946 218018 2010-04-01 VIKING R  
0946 218019 2001-02-01 VIKING S  
0946 218020 2010-04-01 VIKING T  
0946 218021 2012-01-01 VIKING U  
0946 218022 2010-04-01 VIKING V  
0946 218023 2001-02-01 VIKING W  
0946 218025 2003-10-01 VIKING Y  
0946 218026 2001-02-01 VIKING Z  
0946 218027 2001-02-01 VIKING AA  
0946 218028 2001-02-01 VIKING BB  
0946 218029 2001-02-01 VIKING CC  
0946 218030 2006-03-01 VIKING DD  
0946 218031 2001-02-01 VIKING EE

**POOL DESIGNATION (cont'd)**

0946 218032 2006-03-01	VIKING FF
0946 218033 2001-02-01	VIKING GG
0946 218034 2004-05-01	VIKING HH
0946 218035 2004-11-01	VIKING II
0946 218036 2005-05-01	VIKING JJ
0946 218037 2006-02-01	VIKING KK
0946 218038 2006-07-01	VIKING LL
0946 218039 2007-12-01	VIKING MM
0946 218040 2007-12-01	VIKING NN
0946 218041 2007-12-01	VIKING OO
0946 218042 2010-05-01	VIKING PP
0946 218043 2010-06-01	VIKING QQ
0946 218044 2011-05-01	VIKING RR
0946 218045 2011-06-01	VIKING SS
0946 218046 2012-03-01	VIKING TT
0946 218047 2013-12-01	VIKING UU
0946 218048 2013-12-01	VIKING VV
0946 218049 2013-12-01	VIKING WW
0946 221002 2010-04-01	MIDDLE VIKING B
0946 250001 2001-02-01	UPPER MANNVILLE A
0946 250002 2001-02-01	UPPER MANNVILLE B
0946 250003 2001-02-01	UPPER MANNVILLE C
0946 250004 2001-02-01	UPPER MANNVILLE D
0946 250005 2001-02-01	UPPER MANNVILLE E
0946 250007 2001-02-01	UPPER MANNVILLE G
0946 250008 2001-02-01	UPPER MANNVILLE H
0946 250009 2010-04-01	UPPER MANNVILLE I
0946 250010 2010-04-01	UPPER MANNVILLE J
0946 250011 2001-02-01	UPPER MANNVILLE K
0946 250012 2001-02-01	UPPER MANNVILLE L
0946 250013 2001-02-01	UPPER MANNVILLE M
0946 250014 2001-02-01	UPPER MANNVILLE N
0946 250015 2001-02-01	UPPER MANNVILLE O
0946 250016 2001-02-01	UPPER MANNVILLE P
0946 250017 2005-11-01	UPPER MANNVILLE Q
0946 250018 2001-02-01	UPPER MANNVILLE R

**POOL DESIGNATION (cont'd)**

0946 250019	2001-02-01	UPPER MANNVILLE S
0946 250020	2001-02-01	UPPER MANNVILLE T
0946 250021	2001-02-01	UPPER MANNVILLE U
0946 250022	2008-08-01	UPPER MANNVILLE V
0946 250024	2001-02-01	UPPER MANNVILLE X
0946 250025	2001-02-01	UPPER MANNVILLE Y
0946 250026	2001-02-01	UPPER MANNVILLE Z
0946 250027	2001-02-01	UPPER MANNVILLE AA
0946 250028	2001-02-01	UPPER MANNVILLE BB
0946 250029	2001-02-01	UPPER MANNVILLE CC
0946 250030	2001-02-01	UPPER MANNVILLE DD
0946 250031	2001-02-01	UPPER MANNVILLE EE
0946 250032	2001-02-01	UPPER MANNVILLE FF
0946 250033	2001-02-01	UPPER MANNVILLE GG
0946 250034	2001-02-01	UPPER MANNVILLE HH
0946 250035	2010-04-01	UPPER MANNVILLE II
0946 250036	2001-02-01	UPPER MANNVILLE JJ
0946 250037	2001-03-01	UPPER MANNVILLE KK
0946 250038	2001-10-01	UPPER MANNVILLE LL
0946 250039	2001-09-01	UPPER MANNVILLE MM
0946 250040	2001-12-01	UPPER MANNVILLE NN
0946 250041	2012-06-01	UPPER MANNVILLE OO
0946 250042	2002-05-01	UPPER MANNVILLE PP
0946 250043	2010-04-01	UPPER MANNVILLE QQ
0946 250044	2002-05-01	UPPER MANNVILLE RR
0946 250045	2002-07-01	UPPER MANNVILLE SS
0946 250046	2002-05-01	UPPER MANNVILLE TT
0946 250047	2002-11-01	UPPER MANNVILLE UU
0946 250048	2009-05-01	UPPER MANNVILLE VV
0946 250049	2003-06-01	UPPER MANNVILLE WW
0946 250050	2006-08-01	UPPER MANNVILLE XX
0946 250051	2004-03-01	UPPER MANNVILLE YY
0946 250052	2004-05-01	UPPER MANNVILLE ZZ
0946 250701	2004-05-01	UPPER MANNVILLE AAA
0946 250702	2004-06-01	UPPER MANNVILLE BBB
0946 250703	2004-10-01	UPPER MANNVILLE CCC
0946 250704	2008-02-01	UPPER MANNVILLE DDD
0946 250705	2005-03-01	UPPER MANNVILLE EEE



**POOL DESIGNATION (cont'd)**

0946 250706 2005-02-01	UPPER MANNVILLE FFF
0946 250707 2005-05-01	UPPER MANNVILLE GGG
0946 250708 2006-10-01	UPPER MANNVILLE HHH
0946 250709 2005-10-01	UPPER MANNVILLE III
0946 250710 2010-04-01	UPPER MANNVILLE JJJ
0946 250711 2007-10-01	UPPER MANNVILLE KKK
0946 250712 2015-07-01	UPPER MANNVILLE LLL
0946 250713 2006-05-01	UPPER MANNVILLE MMM
0946 250714 2006-05-01	UPPER MANNVILLE NNN
0946 250715 2006-05-01	UPPER MANNVILLE OOO
0946 250716 2006-07-01	UPPER MANNVILLE PPP
0946 250717 2006-08-01	UPPER MANNVILLE QQQ
0946 250718 2006-10-01	UPPER MANNVILLE RRR
0946 250719 2006-10-01	UPPER MANNVILLE SSS
0946 250720 2008-07-01	UPPER MANNVILLE TTT
0946 250721 2007-12-01	UPPER MANNVILLE UUU
0946 250722 2007-12-01	UPPER MANNVILLE VVV
0946 250723 2007-12-01	UPPER MANNVILLE WWW
0946 250724 2013-10-01	UPPER MANNVILLE XXX
0946 250725 2014-04-01	UPPER MANNVILLE YYY
0946 250726 2007-12-01	UPPER MANNVILLE ZZZ
0946 250727 2007-12-01	UPPER MANNVILLE A2A
0946 250728 2007-12-01	UPPER MANNVILLE B2B
0946 250729 2007-12-01	UPPER MANNVILLE C2C
0946 250730 2011-12-01	UPPER MANNVILLE D2D
0946 250731 2007-12-01	UPPER MANNVILLE E2E
0946 250732 2007-12-01	UPPER MANNVILLE F2F
0946 250733 2007-12-01	UPPER MANNVILLE G2G
0946 250734 2007-12-01	UPPER MANNVILLE H2H
0946 250735 2008-01-01	UPPER MANNVILLE I2I
0946 250736 2008-01-01	UPPER MANNVILLE J2J
0946 250737 2013-09-01	UPPER MANNVILLE K2K
0946 250738 2008-01-01	UPPER MANNVILLE L2L
0946 250739 2011-08-01	UPPER MANNVILLE M2M
0946 250743 2008-02-01	UPPER MANNVILLE Q2Q
0946 250744 2008-09-01	UPPER MANNVILLE R2R
0946 250745 2010-01-01	UPPER MANNVILLE S2S
0946 250746 2010-06-01	UPPER MANNVILLE T2T

**POOL DESIGNATION (cont'd)**

0946 250747 2012-01-01	UPPER MANNVILLE U2U
0946 250748 2010-10-01	UPPER MANNVILLE V2V
0946 250749 2010-12-01	UPPER MANNVILLE W2W
0946 250750 2011-01-01	UPPER MANNVILLE X2X
0946 250751 2011-05-01	UPPER MANNVILLE Y2Y
0946 250752 2013-04-01	UPPER MANNVILLE Z2Z
0946 251101 2013-12-01	UPPER MANNVILLE A3A
0946 251102 2013-12-01	UPPER MANNVILLE B3B
0946 251103 2013-12-01	UPPER MANNVILLE C3C
0946 300001 2013-12-01	GLAUCONITIC A
0946 310002 2001-02-01	LOWER MANNVILLE B
0946 310003 2001-02-01	LOWER MANNVILLE C
0946 310004 2002-04-01	LOWER MANNVILLE D
0946 310006 2001-02-01	LOWER MANNVILLE F
0946 310007 2001-02-01	LOWER MANNVILLE G
0946 310008 2001-02-01	LOWER MANNVILLE H
0946 310009 2001-02-01	LOWER MANNVILLE I
0946 310010 2003-04-01	LOWER MANNVILLE J
0946 310011 2001-02-01	LOWER MANNVILLE K
0946 310012 2001-02-01	LOWER MANNVILLE L
0946 310016 2001-02-01	LOWER MANNVILLE P
0946 310017 2001-02-01	LOWER MANNVILLE Q
0946 310018 2001-02-01	LOWER MANNVILLE R
0946 310019 2001-02-01	LOWER MANNVILLE S
0946 310020 2001-02-01	LOWER MANNVILLE T
0946 310021 2001-02-01	LOWER MANNVILLE U
0946 310022 2001-02-01	LOWER MANNVILLE V
0946 310023 2001-02-01	LOWER MANNVILLE W
0946 310024 2001-02-01	LOWER MANNVILLE X
0946 310025 2001-02-01	LOWER MANNVILLE Y
0946 310026 2001-02-01	LOWER MANNVILLE Z
0946 310027 2001-02-01	LOWER MANNVILLE AA
0946 310028 2001-02-01	LOWER MANNVILLE BB
0946 310029 2001-02-01	LOWER MANNVILLE CC
0946 310030 2001-02-01	LOWER MANNVILLE DD
0946 310031 2001-02-01	LOWER MANNVILLE EE

**POOL DESIGNATION (cont'd)**

0946 310032 2001-02-01	LOWER MANNVILLE FF
0946 310033 2001-02-01	LOWER MANNVILLE GG
0946 310034 2001-02-01	LOWER MANNVILLE HH
0946 310035 2001-02-01	LOWER MANNVILLE II
0946 310036 2001-02-01	LOWER MANNVILLE JJ
0946 310037 2001-02-01	LOWER MANNVILLE KK
0946 310038 2001-03-01	LOWER MANNVILLE LL
0946 310039 2001-03-01	LOWER MANNVILLE MM
0946 310040 2006-02-01	LOWER MANNVILLE NN
0946 310041 2002-10-01	LOWER MANNVILLE OO
0946 310042 2003-05-01	LOWER MANNVILLE PP
0946 310043 2003-07-01	LOWER MANNVILLE QQ
0946 310044 2004-10-01	LOWER MANNVILLE RR
0946 310045 2005-02-01	LOWER MANNVILLE SS
0946 310046 2005-05-01	LOWER MANNVILLE TT
0946 310047 2005-09-01	LOWER MANNVILLE UU
0946 310048 2005-10-01	LOWER MANNVILLE VV
0946 310049 2005-11-01	LOWER MANNVILLE WW
0946 310050 2006-02-01	LOWER MANNVILLE XX
0946 310051 2006-01-01	LOWER MANNVILLE YY
0946 310052 2006-02-01	LOWER MANNVILLE ZZ
0946 310102 2006-03-01	LOWER MANNVILLE BBB
0946 310103 2006-04-01	LOWER MANNVILLE CCC
0946 310104 2006-08-01	LOWER MANNVILLE DDD
0946 310105 2007-12-01	LOWER MANNVILLE EEE
0946 310106 2007-12-01	LOWER MANNVILLE FFF
0946 310107 2007-12-01	LOWER MANNVILLE GGG
0946 310108 2013-10-01	LOWER MANNVILLE HHH
0946 310109 2007-12-01	LOWER MANNVILLE III
0946 310110 2007-12-01	LOWER MANNVILLE JJJ
0946 310111 2008-12-01	LOWER MANNVILLE KKK
0946 310112 2009-09-01	LOWER MANNVILLE LLL
0946 310113 2011-01-01	LOWER MANNVILLE MMM
0946 336001 2013-12-01	ELLERSLIE A
0946 336002 2013-12-01	ELLERSLIE B
0946 336003 2016-01-01	ELLERSLIE C

**POOL DESIGNATION (cont'd)**

0946 644001 2003-08-01 BANFF A  
  
0946 658001 2001-02-01 WABAMUN A  
0946 658002 2007-10-01 WABAMUN B  
0946 658003 2006-02-01 WABAMUN C  
0946 658004 2008-02-01 WABAMUN D  
0946 658005 2012-04-01 WABAMUN E

**SPACING PATTERN**

SU 2323A 25 Feb 2004  
SU 2323B 1 Feb 2006  
SU 2323C 30 Mar 2007

**COMMINGLED PRODUCTION**

MU 8564 7 Jan 2014

**SUBSURFACE DISPOSAL SCHEMES**

App 8498 23 Apr 1999  
Class II  
Canadian Natural Resources Limited

App 10406A 11 May 2018  
Class II  
Paramount Resources Ltd.

App 11638B 8 Jan 2014  
Class II  
Trident Exploration (Alberta) Corp.

**FIELD DESIGNATION**

0942 2016-05-01 WESTPEM FIELD

**POOL DESIGNATION**

0942 176002 2010-04-01 CARDIUM B  
0942 176003 2010-01-01 CARDIUM C  
0942 176004 2010-04-01 CARDIUM D  
0942 176006 2012-03-01 CARDIUM F

0942 186002 2005-02-01 SECOND WHITE SPECKS B  
0942 186003 2005-05-01 SECOND WHITE SPECKS C  
0942 186004 2007-03-01 SECOND WHITE SPECKS D  
0942 186006 2013-07-01 SECOND WHITE SPECKS F

0942 218001 2011-02-01 VIKING A  
0942 218003 2011-04-01 VIKING C  
0942 218004 2002-04-01 VIKING D  
0942 218006 2010-04-01 VIKING F  
0942 218009 2005-11-01 VIKING I  
0942 218010 2014-09-01 VIKING J  
0942 218011 2014-09-01 VIKING K  
0942 218012 2007-12-01 VIKING L  
0942 218019 2011-02-01 VIKING S  
0942 218020 2011-06-01 VIKING T

0942 250001 2013-03-01 UPPER MANNVILLE A  
0942 250002 2001-03-01 UPPER MANNVILLE B  
0942 250003 2004-04-01 UPPER MANNVILLE C  
0942 250004 2006-01-01 UPPER MANNVILLE D  
0942 250005 2012-02-01 UPPER MANNVILLE E  
0942 250007 2006-01-01 UPPER MANNVILLE G  
0942 250009 2006-01-01 UPPER MANNVILLE I  
0942 250010 2007-01-01 UPPER MANNVILLE J  
0942 250012 2007-10-01 UPPER MANNVILLE L  
0942 250013 2007-12-01 UPPER MANNVILLE M  
0942 250014 2010-04-01 UPPER MANNVILLE N

**POOL DESIGNATION (cont'd)**

0942 250015 2010-04-01	UPPER MANNVILLE O
0942 250016 2010-04-01	UPPER MANNVILLE P
0942 250020 2012-12-01	UPPER MANNVILLE T
0942 250023 2011-04-01	UPPER MANNVILLE W
0942 250024 2009-09-01	UPPER MANNVILLE X
0942 250025 2010-10-01	UPPER MANNVILLE Y
0942 250026 2010-04-01	UPPER MANNVILLE Z
0942 250027 2010-04-01	UPPER MANNVILLE AA
0942 250028 2010-04-01	UPPER MANNVILLE BB
0942 250029 2009-12-01	UPPER MANNVILLE CC
0942 250031 2010-02-01	UPPER MANNVILLE EE
0942 250746 2011-02-01	UPPER MANNVILLE T2T
0942 250747 2011-02-01	UPPER MANNVILLE U2U
0942 250748 2011-04-01	UPPER MANNVILLE V2V
0942 250750 2017-07-01	UPPER MANNVILLE X2X
0942 250751 2011-05-01	UPPER MANNVILLE Y2Y
0942 251101 2011-06-01	UPPER MANNVILLE A3A
0942 251102 2011-06-01	UPPER MANNVILLE B3B
0942 251104 2011-10-01	UPPER MANNVILLE D3D
0942 251105 2011-10-01	UPPER MANNVILLE E3E
0942 251106 2012-10-01	UPPER MANNVILLE F3F
0942 251107 2016-01-01	UPPER MANNVILLE G3G
0942 251108 2016-02-01	UPPER MANNVILLE H3H
0942 251109 2016-03-01	UPPER MANNVILLE I3I
0942 251110 2016-05-01	UPPER MANNVILLE J3J
0942 310113 2011-01-01	LOWER MANNVILLE MMM
0942 310114 2011-01-01	LOWER MANNVILLE NNN
0942 310115 2011-01-01	LOWER MANNVILLE OOO
0942 316002 2005-11-01	OSTRACOD B
0942 316003 2005-07-01	OSTRACOD C
0942 316004 2001-02-01	OSTRACOD D
0942 316006 2010-04-01	OSTRACOD F
0942 316007 2010-04-01	OSTRACOD G
0942 316008 2001-02-01	OSTRACOD H
0942 316009 2001-02-01	OSTRACOD I
0942 316011 2001-07-01	OSTRACOD K

**POOL DESIGNATION (cont'd)**

0942 316012 2010-12-01	OSTRACOD L
0942 316013 2001-02-01	OSTRACOD M
0942 316014 2001-02-01	OSTRACOD N
0942 316016 2002-01-01	OSTRACOD P
0942 316017 2008-03-01	OSTRACOD Q
0942 316018 2004-12-01	OSTRACOD R
0942 316019 2009-04-01	OSTRACOD S
0942 316020 2010-04-01	OSTRACOD T
0942 316021 2011-03-01	OSTRACOD U
0942 316022 2011-08-01	OSTRACOD V
0942 326002 2010-04-01	GETHING B
0942 326003 2004-08-01	GETHING C
0942 326004 2011-02-01	GETHING D
0942 336003 2001-02-01	ELLERSLIE C
0942 336004 2001-02-01	ELLERSLIE D
0942 336006 2010-04-01	ELLERSLIE F
0942 336007 2001-03-01	ELLERSLIE G
0942 336008 2001-09-01	ELLERSLIE H
0942 336009 2001-12-01	ELLERSLIE I
0942 336010 2002-02-01	ELLERSLIE J
0942 336011 2010-12-01	ELLERSLIE K
0942 336014 2002-11-01	ELLERSLIE N
0942 336016 2010-04-01	ELLERSLIE P
0942 336019 2010-04-01	ELLERSLIE S
0942 336020 2003-11-01	ELLERSLIE T
0942 336021 2004-04-01	ELLERSLIE U
0942 336022 2010-04-01	ELLERSLIE V
0942 336023 2010-04-01	ELLERSLIE W
0942 336027 2015-11-01	ELLERSLIE AA
0942 336028 2006-11-01	ELLERSLIE BB
0942 336032 2008-04-01	ELLERSLIE FF
0942 336033 2010-05-01	ELLERSLIE GG
0942 336034 2007-12-01	ELLERSLIE HH
0942 336035 2010-04-01	ELLERSLIE II
0942 336037 2008-05-01	ELLERSLIE KK
0942 336038 2010-04-01	ELLERSLIE LL

**POOL DESIGNATION (cont'd)**

0942 336039 2010-12-01	ELLERSLIE MM
0942 336040 2010-04-01	ELLERSLIE NN
0942 336043 2009-09-01	ELLERSLIE QQ
0942 336047 2011-06-01	ELLERSLIE UU
0942 336048 2011-02-01	ELLERSLIE VV
0942 336049 2011-03-01	ELLERSLIE WW
0942 336050 2011-06-01	ELLERSLIE XX
0942 336051 2013-02-01	ELLERSLIE YY
0942 336052 2013-07-01	ELLERSLIE ZZ
0942 336501 2013-10-01	ELLERSLIE AAA
0942 336503 2015-12-01	ELLERSLIE CCC
0942 432001 2010-04-01	ROCK CREEK A
0942 432002 2011-08-01	ROCK CREEK B
0942 432004 2011-10-01	ROCK CREEK D
0942 432005 2007-06-01	ROCK CREEK E
0942 432006 2012-02-01	ROCK CREEK F
0942 432011 2001-08-01	ROCK CREEK K
0942 432020 2003-01-01	ROCK CREEK T
0942 432025 2004-08-01	ROCK CREEK Y
0942 432028 2009-02-01	ROCK CREEK BB
0942 432031 2011-08-01	ROCK CREEK EE
0942 432033 2009-05-01	ROCK CREEK GG
0942 432034 2007-10-01	ROCK CREEK HH
0942 432035 2007-12-01	ROCK CREEK II
0942 432036 2007-12-01	ROCK CREEK JJ
0942 432045 2008-11-01	ROCK CREEK SS
0942 432047 2010-04-01	ROCK CREEK UU
0942 432048 2009-04-01	ROCK CREEK VV
0942 432052 2010-04-01	ROCK CREEK ZZ
0942 432501 2011-01-01	ROCK CREEK AAA
0942 432502 2011-02-01	ROCK CREEK BBB
0942 432503 2011-02-01	ROCK CREEK CCC
0942 432504 2011-02-01	ROCK CREEK DDD
0942 432505 2014-12-01	ROCK CREEK EEE
0942 432507 2017-11-01	ROCK CREEK GGG
0942 432508 2013-02-01	ROCK CREEK HHH



**COMMINGLED PRODUCTION**

MU 8686      9 Oct 2014

**GAS CYCLING**

App 10039B    15 Feb 2008  
By gas blowdown  
Nisku E  
Penn West Petroleum Ltd.

**ENHANCED RECOVERY SCHEMES**

App 7144G    2 May 2014  
Other  
Nisku H2H  
Penn West Petroleum Ltd.

App 7147G    2 May 2014  
Other  
Nisku P2P  
Penn West Petroleum Ltd.

App 7148G    2 May 2014  
Other  
Nisku D  
Penn West Petroleum Ltd.

**FIELD DESIGNATION**

0972 2013-03-01 WETASKIWIN FIELD

**POOL DESIGNATION**

0972 126001 2001-02-01 BELLY RIVER A  
0972 126003 2007-08-01 BELLY RIVER C  
0972 126005 2002-06-01 BELLY RIVER E  
0972 126006 2003-06-01 BELLY RIVER F  
0972 126010 2010-04-01 BELLY RIVER J  
0972 126011 2012-01-01 BELLY RIVER K  
0972 126012 2010-11-01 BELLY RIVER L

0972 134001 2010-04-01 BASAL BELLY RIVER A

0972 218001 2001-02-01 VIKING A  
0972 218002 2001-03-01 VIKING B

0972 250001 2014-11-01 UPPER MANNVILLE A  
0972 250002 2014-11-01 UPPER MANNVILLE B

0972 256001 2013-04-01 COLONY A  
0972 256002 2014-01-01 COLONY B

0972 300001 2001-09-01 GLAUCONITIC A  
0972 300002 2004-08-01 GLAUCONITIC B  
0972 300003 2001-02-01 GLAUCONITIC C  
0972 300004 2001-02-01 GLAUCONITIC D  
0972 300005 2001-02-01 GLAUCONITIC E  
0972 300006 2001-02-01 GLAUCONITIC F  
0972 300007 2001-03-01 GLAUCONITIC G  
0972 300008 2006-01-01 GLAUCONITIC H  
0972 300009 2006-08-01 GLAUCONITIC I  
0972 300010 2007-03-01 GLAUCONITIC J  
0972 300011 2007-12-01 GLAUCONITIC K  
0972 300012 2010-06-01 GLAUCONITIC L  
0972 300013 2007-12-01 GLAUCONITIC M

**POOL DESIGNATION (cont'd)**

0972 300014 2007-12-01 GLAUCONITIC N  
 0972 300015 2007-12-01 GLAUCONITIC O  
 0972 300016 2007-12-01 GLAUCONITIC P  
 0972 300017 2008-04-01 GLAUCONITIC Q  
 0972 300018 2008-10-01 GLAUCONITIC R  
 0972 300019 2010-10-01 GLAUCONITIC S  
 0972 300020 2014-03-01 GLAUCONITIC T  
 0972 300021 2011-05-01 GLAUCONITIC U

0972 336001 2004-02-01 ELLERSLIE A  
 0972 336002 2001-02-01 ELLERSLIE B  
 0972 336003 2001-06-01 ELLERSLIE C  
 0972 336004 2003-09-01 ELLERSLIE D  
 0972 336007 2004-02-01 ELLERSLIE G  
 0972 336008 2004-05-01 ELLERSLIE H  
 0972 336009 2004-09-01 ELLERSLIE I  
 0972 336010 2007-12-01 ELLERSLIE J  
 0972 336011 2007-12-01 ELLERSLIE K  
 0972 336012 2007-12-01 ELLERSLIE L  
 0972 336013 2009-03-01 ELLERSLIE M  
 0972 336014 2009-12-01 ELLERSLIE N  
 0972 336015 2010-10-01 ELLERSLIE O

**SPACING PATTERN**

SU 4056 26 Feb 2003  
 SU 4056A 20 Jan 2004  
 SU 4056B 6 Dec 2005

**COMMINGLED PRODUCTION**

MU 7580 27 Oct 2010

**SUBSURFACE DISPOSAL SCHEMES**

App 10561C 4 Jan 2018  
 Class II  
 Secure Energy Services Inc.

**COMPULSORY POOLING**

P 264 1 Feb 2005  
 P 264A 28 Jun 2016  
 Gas  
 01-047-24W4M  
 MGV Energy Inc.

P 377 25 Nov 2008  
 P 377B 15 Oct 2014  
 Gas  
 08-045-23W4M  
 Pine Cliff Energy Ltd.

**COMPULSORY POOLING (cont'd)**

P 408            19 Feb 2010

P 408A          1 Mar 2010

P 408B          28 Jun 2016

Gas

03-045-23W4M

Quicksilver Resources Canada Inc.

**FIELD DESIGNATION**

0950 2001-02-01                      WHISKEY FIELD

**POOL DESIGNATION**

0950 610001 2010-04-01      RUNDLE A  
0950 610002 2001-04-01      RUNDLE B

**SPACING PATTERN**

SU 2822            27 Jun 1997  
SU 2822A          23 Mar 2001

**COMMINGLED PRODUCTION**

MU 1320          3 Jun 1996

**SUBSURFACE DISPOSAL SCHEMES**

App 3968A    22 Jan 2013  
Class II  
Shell Canada Resources Limited

**FIELD DESIGNATION**

0951 2013-05-01                      WHITECOURT FIELD

**POOL DESIGNATION**

0951 106001 2007-10-01            EDMONTON A

0951 126001 2010-05-01            BELLY RIVER A  
0951 126002 2007-10-01            BELLY RIVER B

0951 218001 2001-02-01            VIKING A  
0951 218002 2010-04-01            VIKING B  
0951 218003 2003-01-01            VIKING C  
0951 218004 2001-02-01            VIKING D  
0951 218005 2011-03-01            VIKING E  
0951 218006 2001-11-01            VIKING F  
0951 218007 2011-03-01            VIKING G  
0951 218008 2007-05-01            VIKING H  
0951 218009 2007-05-01            VIKING I

0951 248003 2008-08-01            MANNVILLE C  
0951 248005 2008-11-01            MANNVILLE E

0951 250001 2001-07-01            UPPER MANNVILLE A  
0951 250002 2008-06-01            UPPER MANNVILLE B  
0951 250003 2010-05-01            UPPER MANNVILLE C  
0951 250004 2009-06-01            UPPER MANNVILLE D  
0951 250005 2009-09-01            UPPER MANNVILLE E  
0951 250006 2009-09-01            UPPER MANNVILLE F  
0951 250007 2009-10-01            UPPER MANNVILLE G  
0951 250008 2011-04-01            UPPER MANNVILLE H

0951 300001 2001-03-01            GLAUCONITIC A  
0951 300002 2006-03-01            GLAUCONITIC B  
0951 300003 2007-05-01            GLAUCONITIC C  
0951 300004 2005-05-01            GLAUCONITIC D

**POOL DESIGNATION (cont'd)**

0951 310001 2008-02-01 LOWER MANNVILLE A

0951 326001 2003-04-01 GETHING A

0951 336001 2010-04-01 ELLERSLIE A

0951 336002 2001-03-01 ELLERSLIE B

0951 336003 2007-10-01 ELLERSLIE C

0951 336004 2008-12-01 ELLERSLIE D

0951 446001 2001-02-01 JURASSIC A

0951 446003 2001-02-01 JURASSIC C

0951 446004 2009-04-01 JURASSIC D

0951 446005 2010-04-01 JURASSIC E

0951 446006 2004-08-01 JURASSIC F

0951 446007 2001-02-01 JURASSIC G

0951 446009 2001-02-01 JURASSIC I

0951 446011 2001-02-01 JURASSIC K

0951 446012 2001-02-01 JURASSIC L

0951 446013 2001-12-01 JURASSIC M

0951 446014 2001-02-01 JURASSIC N

0951 446015 2001-02-01 JURASSIC O

0951 446016 2011-12-01 JURASSIC P

0951 446017 2005-04-01 JURASSIC Q

0951 446018 2008-02-01 JURASSIC R

0951 446019 2006-03-01 JURASSIC S

0951 446020 2005-05-01 JURASSIC T

0951 446021 2005-06-01 JURASSIC U

0951 446022 2006-03-01 JURASSIC V

0951 446023 2006-03-01 JURASSIC W

0951 642005 2010-04-01 PEKISKO E

0951 642006 2001-02-01 PEKISKO F

0951 642007 2001-02-01 PEKISKO G

0951 642008 2002-04-01 PEKISKO H

0951 642009 2001-03-01 PEKISKO I

0951 642010 2001-11-01 PEKISKO J

0951 642011 2007-03-01 PEKISKO K

0951 642012 2007-04-01 PEKISKO L

**POOL DESIGNATION (cont'd)**

0951 642013 2008-10-01 PEKISKO M  
0951 642014 2009-12-01 PEKISKO N  
0951 642015 2013-07-01 PEKISKO O

**SPACING PATTERN**

SU 2751 9 Apr 1996  
SU 2751A 8 Feb 2006  
SU 2751B 27 Sep 2007  
SU 2751C 18 Oct 2007

**COMMINGLED PRODUCTION**

MU 7288 8 Feb 2010

**SUBSURFACE DISPOSAL SCHEMES**

App 1499B 10 Aug 2011  
Class II  
Taqa North Ltd.

App 9881B 17 Oct 2017  
Class II  
Cenovus Energy Inc.

**COMPULSORY POOLING**

P 77 31 Mar 1986  
Gas  
20-060-11W5M  
Champlin Canada Ltd.



**FIELD DESIGNATION**

0970 2006-09-01                      WHITEHORSE FIELD

**POOL DESIGNATION**

0970 176001 2001-02-01            CARDIUM A  
0970 176002 2006-11-01            CARDIUM B  
0970 176003 2001-02-01            CARDIUM C  
0970 176004 2002-10-01            CARDIUM D  
0970 176005 2011-02-01            CARDIUM E  
0970 176006 2001-08-01            CARDIUM F  
0970 176007 2002-09-01            CARDIUM G  
0970 176008 2002-03-01            CARDIUM H  
0970 176009 2010-04-01            CARDIUM I  
0970 176010 2010-04-01            CARDIUM J  
0970 176011 2008-03-01            CARDIUM K  
0970 176012 2008-03-01            CARDIUM L  
0970 176013 2010-03-01            CARDIUM M

0970 186001 2003-11-01            SECOND WHITE SPECKS A

0970 218001 2010-04-01            VIKING A

0970 250001 2013-03-01            UPPER MANNVILLE A  
0970 250002 2011-05-01            UPPER MANNVILLE B  
0970 250005 2005-01-01            UPPER MANNVILLE E  
0970 250008 2010-04-01            UPPER MANNVILLE H  
0970 250009 2010-04-01            UPPER MANNVILLE I  
0970 250010 2010-04-01            UPPER MANNVILLE J  
0970 250011 2010-04-01            UPPER MANNVILLE K  
0970 250014 2011-06-01            UPPER MANNVILLE N  
0970 250016 2011-06-01            UPPER MANNVILLE P  
0970 250017 2013-06-01            UPPER MANNVILLE Q

0970 316001 2003-09-01            OSTRACOD A  
0970 316002 2006-05-01            OSTRACOD B  
0970 316004 2007-12-01            OSTRACOD D

**POOL DESIGNATION (cont'd)**

0970 316005 2010-04-01	OSTRACOD E
0970 316006 2010-04-01	OSTRACOD F
0970 316007 2010-04-01	OSTRACOD G
0970 326002 2001-02-01	GETHING B
0970 326003 2001-02-01	GETHING C
0970 326004 2001-02-01	GETHING D
0970 326005 2002-09-01	GETHING E
0970 326006 2010-04-01	GETHING F
0970 326007 2008-09-01	GETHING G
0970 326008 2010-04-01	GETHING H
0970 326009 2010-04-01	GETHING I
0970 326010 2010-04-01	GETHING J
0970 326011 2010-04-01	GETHING K
0970 336001 2001-02-01	ELLERSLIE A
0970 336002 2010-04-01	ELLERSLIE B
0970 336003 2004-03-01	ELLERSLIE C
0970 336004 2007-07-01	ELLERSLIE D
0970 336005 2009-10-01	ELLERSLIE E
0970 336006 2011-06-01	ELLERSLIE F
0970 432002 2012-01-01	ROCK CREEK B
0970 432004 2011-03-01	ROCK CREEK D
0970 432016 2010-04-01	ROCK CREEK P
0970 432022 2010-03-01	ROCK CREEK V
0970 658001 2009-03-01	WABAMUN A
0970 696001 2001-02-01	NISKU A
0970 696002 2001-02-01	NISKU B
0970 696003 2001-02-01	NISKU C

**SPACING PATTERN**

SU 2944	26 Oct 1999
SU 2944A	22 Nov 2000
SU 2944B	23 Aug 2004
SU 2944C	1 Mar 2006
SU 2944D	4 Apr 2007
SU 2944E	18 Oct 2007

**COMMINGLED PRODUCTION**

MU 8401	27 Jul 2012
---------	-------------

**FIELD DESIGNATION**

0952 2001-02-01 WHITELAW FIELD

**POOL DESIGNATION**

0952 228001 2010-04-01 PEACE RIVER A  
0952 228002 2001-02-01 PEACE RIVER B  
0952 228003 2001-02-01 PEACE RIVER C  
0952 228004 2006-02-01 PEACE RIVER D  
0952 228005 2008-02-01 PEACE RIVER E

0952 232001 2009-01-01 CADOTTE A

0952 264001 2011-09-01 SPIRIT RIVER A  
0952 264002 2010-04-01 SPIRIT RIVER B  
0952 264003 2001-02-01 SPIRIT RIVER C  
0952 264004 2001-02-01 SPIRIT RIVER D  
0952 264005 2001-02-01 SPIRIT RIVER E  
0952 264006 2007-08-01 SPIRIT RIVER F  
0952 264007 2007-08-01 SPIRIT RIVER G  
0952 264008 2010-04-01 SPIRIT RIVER H  
0952 264009 2001-02-01 SPIRIT RIVER I  
0952 264010 2001-02-01 SPIRIT RIVER J  
0952 264011 2001-02-01 SPIRIT RIVER K  
0952 264012 2001-02-01 SPIRIT RIVER L  
0952 264013 2001-02-01 SPIRIT RIVER M  
0952 264014 2010-04-01 SPIRIT RIVER N  
0952 264015 2001-02-01 SPIRIT RIVER O  
0952 264016 2007-12-01 SPIRIT RIVER P  
0952 264017 2007-12-01 SPIRIT RIVER Q  
0952 264018 2007-12-01 SPIRIT RIVER R  
0952 264019 2007-12-01 SPIRIT RIVER S  
0952 264020 2007-12-01 SPIRIT RIVER T  
0952 264021 2007-12-01 SPIRIT RIVER U  
0952 264022 2007-12-01 SPIRIT RIVER V  
0952 264023 2010-04-01 SPIRIT RIVER W  
0952 264024 2015-06-01 SPIRIT RIVER X

**POOL DESIGNATION (cont'd)**

0952 264025 2008-02-01	SPIRIT RIVER Y
0952 264026 2008-02-01	SPIRIT RIVER Z
0952 264027 2013-07-01	SPIRIT RIVER AA
0952 264028 2013-07-01	SPIRIT RIVER BB
0952 304001 2010-04-01	BLUESKY A
0952 304002 2001-02-01	BLUESKY B
0952 304003 2008-10-01	BLUESKY C
0952 326001 2010-04-01	GETHING A
0952 326002 2010-04-01	GETHING B
0952 326003 2001-02-01	GETHING C
0952 326004 2010-04-01	GETHING D
0952 326005 2001-12-01	GETHING E
0952 326006 2004-05-01	GETHING F
0952 326007 2006-04-01	GETHING G
0952 326008 2007-12-01	GETHING H
0952 326009 2008-10-01	GETHING I
0952 326010 2008-08-01	GETHING J
0952 326011 2008-03-01	GETHING K
0952 326012 2011-06-01	GETHING L
0952 500001 2010-05-01	TRIASSIC A
0952 500002 2010-04-01	TRIASSIC B
0952 500003 2001-02-01	TRIASSIC C
0952 500004 2010-04-01	TRIASSIC D
0952 500005 2006-02-01	TRIASSIC E
0952 500006 2005-06-01	TRIASSIC F
0952 500007 2007-05-01	TRIASSIC G
0952 500008 2007-12-01	TRIASSIC H
0952 500009 2010-05-01	TRIASSIC I
0952 500010 2010-05-01	TRIASSIC J
0952 500011 2007-12-01	TRIASSIC K
0952 500012 2007-12-01	TRIASSIC L
0952 500013 2007-12-01	TRIASSIC M
0952 500014 2008-08-01	TRIASSIC N
0952 500015 2010-04-01	TRIASSIC O
0952 500016 2010-04-01	TRIASSIC P

**POOL DESIGNATION (cont'd)**

0952 500017 2009-02-01 TRIASSIC Q  
0952 500018 2010-10-01 TRIASSIC R

0952 556001 2009-01-01 BELLOY A

**SPACING PATTERN**

SU 2569 22 Feb 1996

**COMMINGLED PRODUCTION**

MU 5100 18 Jan 2006

**SUBSURFACE DISPOSAL SCHEMES**

App 9346C 9 Mar 2017  
Class II  
Rising Star Resources Ltd.

**FIELD DESIGNATION**

0955 2001-02-01 WHITEMUD FIELD

**POOL DESIGNATION**

0955 244000 2010-04-01 BLAIRMORE

0955 336001 2010-04-01 ELLERSLIE A

**FIELD DESIGNATION**

0957 2011-05-01 WHITFORD FIELD

**POOL DESIGNATION**

0957 218001 2011-06-01 VIKING A  
0957 218003 2010-12-01 VIKING C  
0957 218004 2006-10-01 VIKING D  
0957 218005 2006-06-01 VIKING E  
0957 218006 2006-10-01 VIKING F  
0957 218007 2006-11-01 VIKING G  
0957 218008 2007-12-01 VIKING H  
0957 218009 2007-12-01 VIKING I  
0957 218010 2008-05-01 VIKING J  
0957 218011 2011-04-01 VIKING K

0957 250001 2001-03-01 UPPER MANNVILLE A  
0957 250002 2003-10-01 UPPER MANNVILLE B  
0957 250003 2001-02-01 UPPER MANNVILLE C  
0957 250004 2001-02-01 UPPER MANNVILLE D  
0957 250005 2001-02-01 UPPER MANNVILLE E  
0957 250006 2003-09-01 UPPER MANNVILLE F  
0957 250007 2001-02-01 UPPER MANNVILLE G  
0957 250008 2001-02-01 UPPER MANNVILLE H  
0957 250009 2010-04-01 UPPER MANNVILLE I  
0957 250010 2001-02-01 UPPER MANNVILLE J  
0957 250011 2001-02-01 UPPER MANNVILLE K  
0957 250012 2001-02-01 UPPER MANNVILLE L  
0957 250013 2001-02-01 UPPER MANNVILLE M  
0957 250015 2010-09-01 UPPER MANNVILLE O  
0957 250016 2001-02-01 UPPER MANNVILLE P  
0957 250017 2001-02-01 UPPER MANNVILLE Q  
0957 250018 2001-02-01 UPPER MANNVILLE R  
0957 250019 2001-02-01 UPPER MANNVILLE S  
0957 250020 2001-02-01 UPPER MANNVILLE T  
0957 250021 2001-02-01 UPPER MANNVILLE U  
0957 250022 2001-03-01 UPPER MANNVILLE V



**POOL DESIGNATION (cont'd)**

0957 250023	2004-05-01	UPPER MANNVILLE W
0957 250024	2004-05-01	UPPER MANNVILLE X
0957 250025	2004-09-01	UPPER MANNVILLE Y
0957 250026	2006-07-01	UPPER MANNVILLE Z
0957 250027	2006-08-01	UPPER MANNVILLE AA
0957 250028	2007-12-01	UPPER MANNVILLE BB
0957 250029	2010-04-01	UPPER MANNVILLE CC
0957 250030	2008-04-01	UPPER MANNVILLE DD
0957 250031	2008-04-01	UPPER MANNVILLE EE
0957 250032	2011-04-01	UPPER MANNVILLE FF
0957 250033	2011-05-01	UPPER MANNVILLE GG
0957 250034	2011-05-01	UPPER MANNVILLE HH
0957 250035	2011-09-01	UPPER MANNVILLE II
0957 250036	2012-05-01	UPPER MANNVILLE JJ

0957 256002	2010-04-01	COLONY B
0957 256004	2001-02-01	COLONY D
0957 256005	2011-07-01	COLONY E
0957 256006	2007-05-01	COLONY F
0957 256007	2001-02-01	COLONY G
0957 256008	2010-04-01	COLONY H
0957 256009	2001-02-01	COLONY I
0957 256010	2001-02-01	COLONY J
0957 256011	2011-03-01	COLONY K
0957 256012	2001-02-01	COLONY L
0957 256013	2001-02-01	COLONY M
0957 256014	2001-02-01	COLONY N
0957 256015	2009-09-01	COLONY O
0957 256016	2001-02-01	COLONY P
0957 256017	2001-02-01	COLONY Q
0957 256018	2001-06-01	COLONY R
0957 256019	2002-01-01	COLONY S
0957 256020	2010-05-01	COLONY T
0957 256021	2007-12-01	COLONY U

0957 276001	2001-02-01	SPARKY A
0957 276002	2001-02-01	SPARKY B
0957 276004	2010-04-01	SPARKY D

**POOL DESIGNATION (cont'd)**

0957 276005	2010-04-01	SPARKY E
0957 276006	2001-02-01	SPARKY F
0957 276007	2001-02-01	SPARKY G
0957 276008	2001-02-01	SPARKY H
0957 276009	2001-02-01	SPARKY I
0957 276010	2004-01-01	SPARKY J
0957 276011	2001-02-01	SPARKY K
0957 276012	2001-02-01	SPARKY L
0957 276013	2015-11-01	SPARKY M
0957 276014	2001-02-01	SPARKY N
0957 276015	2004-05-01	SPARKY O
0957 276016	2001-02-01	SPARKY P
0957 276017	2001-03-01	SPARKY Q
0957 276018	2001-09-01	SPARKY R
0957 276019	2010-04-01	SPARKY S
0957 276020	2010-04-01	SPARKY T
0957 276021	2017-01-01	SPARKY U
0957 276022	2006-07-01	SPARKY V
0957 276023	2007-12-01	SPARKY W
0957 276024	2007-12-01	SPARKY X
0957 276025	2008-03-01	SPARKY Y
0957 276026	2008-07-01	SPARKY Z
0957 276027	2009-10-01	SPARKY AA
0957 276028	2011-09-01	SPARKY BB
0957 276029	2013-04-01	SPARKY CC
0957 300001	2001-02-01	GLAUCONITIC A
0957 300002	2001-02-01	GLAUCONITIC B
0957 300006	2001-02-01	GLAUCONITIC F
0957 300007	2001-02-01	GLAUCONITIC G
0957 300008	2001-02-01	GLAUCONITIC H
0957 300009	2001-02-01	GLAUCONITIC I
0957 300010	2006-06-01	GLAUCONITIC J
0957 300011	2010-04-01	GLAUCONITIC K
0957 300012	2001-02-01	GLAUCONITIC L
0957 300013	2001-02-01	GLAUCONITIC M
0957 300014	2001-02-01	GLAUCONITIC N
0957 300015	2001-02-01	GLAUCONITIC O

**POOL DESIGNATION (cont'd)**

0957 300016	2001-02-01	GLAUCONITIC P
0957 300017	2001-02-01	GLAUCONITIC Q
0957 300018	2001-02-01	GLAUCONITIC R
0957 300019	2001-02-01	GLAUCONITIC S
0957 300020	2001-02-01	GLAUCONITIC T
0957 300021	2001-02-01	GLAUCONITIC U
0957 300022	2001-02-01	GLAUCONITIC V
0957 300023	2001-02-01	GLAUCONITIC W
0957 300024	2001-02-01	GLAUCONITIC X
0957 300025	2001-02-01	GLAUCONITIC Y
0957 300026	2005-05-01	GLAUCONITIC Z
0957 300027	2005-11-01	GLAUCONITIC AA
0957 300028	2006-04-01	GLAUCONITIC BB
0957 300029	2007-12-01	GLAUCONITIC CC
0957 300030	2008-07-01	GLAUCONITIC DD
0957 300031	2008-12-01	GLAUCONITIC EE
0957 306001	2001-02-01	WABISKAW A
0957 310003	2011-05-01	LOWER MANNVILLE C
0957 336002	2007-12-01	ELLERSLIE B
0957 696001	2001-02-01	NISKU A
0957 696003	2001-02-01	NISKU C
0957 696004	2001-02-01	NISKU D
0957 696005	2001-08-01	NISKU E
0957 696006	2005-11-01	NISKU F
0957 696007	2007-12-01	NISKU G
0957 696008	2007-12-01	NISKU H
0957 852500	2010-04-01	MFP8525 COLONY

**SPACING PATTERN**

SU 2750      2 Apr 1996  
SU 2750A     13 Sep 2007

**COMMINGLED PRODUCTION**

MU 5876      10 Aug 2006

**SUBSURFACE DISPOSAL SCHEMES**

App 12625 19 May 2017

Class II

Spur Petroleum Ltd.

**FIELD DESIGNATION**

0771 2009-08-01                      WIDEWATER FIELD

**POOL DESIGNATION**

0771 304001 2008-07-01      BLUESKY A  
0771 304002 2008-09-01      BLUESKY B

0771 310001 2008-07-01      LOWER MANNVILLE A  
0771 310002 2009-08-01      LOWER MANNVILLE B

0771 336001 2010-04-01      ELLERSLIE A  
0771 336002 2007-12-01      ELLERSLIE B  
0771 336003 2007-12-01      ELLERSLIE C  
0771 336004 2007-12-01      ELLERSLIE D  
0771 336005 2007-12-01      ELLERSLIE E

0771 765501 2008-06-01      GILWOOD A  
0771 765502 2009-12-01      GILWOOD B

0771 773501 2008-05-01      KEG RIVER SAND A  
0771 773502 2008-05-01      KEG RIVER SAND B  
0771 773503 2008-05-01      KEG RIVER SAND C  
0771 773504 2008-05-01      KEG RIVER SAND D

**SPACING PATTERN**

SU 2567            13 Feb 1996  
SU 2567A          13 Apr 1999

**SUBSURFACE DISPOSAL SCHEMES**

App 7413A    6 Dec 2010  
Class II  
Canadian Natural Resources Limited

**FIELD DESIGNATION**

0962 2016-04-01 WILD RIVER FIELD

**POOL DESIGNATION**

0962 126001 2005-11-01 BELLY RIVER A  
0962 126002 2016-04-01 BELLY RIVER B  
0962 126003 2016-04-01 BELLY RIVER C

0962 166001 2015-07-01 BADHEART A

0962 176001 2010-04-01 CARDIUM A  
0962 176002 2010-04-01 CARDIUM B  
0962 176003 2004-04-01 CARDIUM C  
0962 176004 2010-04-01 CARDIUM D  
0962 176007 2013-04-01 CARDIUM G  
0962 176008 2013-12-01 CARDIUM H  
0962 176010 2011-10-01 CARDIUM J  
0962 176014 2010-04-01 CARDIUM N  
0962 176015 2010-04-01 CARDIUM O  
0962 176016 2010-04-01 CARDIUM P  
0962 176018 2011-02-01 CARDIUM R  
0962 176024 2010-04-01 CARDIUM X  
0962 176025 2011-12-01 CARDIUM Y  
0962 176027 2010-04-01 CARDIUM AA  
0962 176028 2010-12-01 CARDIUM BB  
0962 176029 2007-12-01 CARDIUM CC  
0962 176031 2008-12-01 CARDIUM EE  
0962 176047 2011-02-01 CARDIUM UU  
0962 176051 2009-03-01 CARDIUM YY  
0962 176052 2009-03-01 CARDIUM ZZ  
0962 176305 2009-03-01 CARDIUM EEE  
0962 176310 2009-11-01 CARDIUM JJJ  
0962 176312 2010-10-01 CARDIUM LLL  
0962 176315 2010-04-01 CARDIUM OOO  
0962 176316 2011-03-01 CARDIUM PPP  
0962 176317 2011-04-01 CARDIUM QQQ

**POOL DESIGNATION (cont'd)**

0962 176318 2011-09-01	CARDIUM RRR
0962 176319 2011-09-01	CARDIUM SSS
0962 176320 2012-09-01	CARDIUM TTT
0962 176321 2015-07-01	CARDIUM UUU
0962 176322 2015-07-01	CARDIUM VVV
0962 176323 2015-07-01	CARDIUM WWW
0962 176324 2015-07-01	CARDIUM XXX
0962 176325 2015-07-01	CARDIUM YYY
0962 176326 2015-07-01	CARDIUM ZZZ
0962 176327 2015-07-01	CARDIUM A2A
0962 176328 2015-07-01	CARDIUM B2B
0962 176329 2015-07-01	CARDIUM C2C
0962 176330 2015-07-01	CARDIUM D2D
0962 176331 2015-07-01	CARDIUM E2E
0962 176332 2015-07-01	CARDIUM F2F
0962 176333 2015-07-01	CARDIUM G2G
0962 176334 2015-07-01	CARDIUM H2H
0962 176335 2015-07-01	CARDIUM I2I
0962 176336 2015-07-01	CARDIUM J2J
0962 176337 2015-07-01	CARDIUM K2K
0962 176338 2016-04-01	CARDIUM L2L
0962 176339 2016-04-01	CARDIUM M2M
0962 176340 2018-06-01	CARDIUM N2N
0962 186001 2010-04-01	SECOND WHITE SPECKS A
0962 186002 2010-04-01	SECOND WHITE SPECKS B
0962 186003 2010-04-01	SECOND WHITE SPECKS C
0962 186004 2016-04-01	SECOND WHITE SPECKS D
0962 190001 2009-11-01	DOE CREEK A
0962 190002 2009-11-01	DOE CREEK B
0962 190003 2011-11-01	DOE CREEK C
0962 190004 2015-07-01	DOE CREEK D
0962 190005 2015-07-01	DOE CREEK E
0962 192033 2011-05-01	DUNVEGAN GG
0962 195813 2010-04-01	DUNVEGAN MMM
0962 195824 2009-11-01	DUNVEGAN XXX

**POOL DESIGNATION (cont'd)**

0962 195825 2016-04-01	DUNVEGAN YYY
0962 195830 2010-04-01	DUNVEGAN D2D
0962 195835 2011-03-01	DUNVEGAN I2I
0962 195836 2011-04-01	DUNVEGAN J2J
0962 195837 2011-04-01	DUNVEGAN K2K
0962 195838 2012-09-01	DUNVEGAN L2L
0962 195839 2014-03-01	DUNVEGAN M2M
0962 195840 2015-07-01	DUNVEGAN N2N
0962 195841 2015-07-01	DUNVEGAN O2O
0962 195842 2015-07-01	DUNVEGAN P2P
0962 195843 2015-07-01	DUNVEGAN Q2Q
0962 195844 2015-07-01	DUNVEGAN R2R
0962 195845 2015-07-01	DUNVEGAN S2S
0962 195846 2015-07-01	DUNVEGAN T2T
0962 195847 2015-07-01	DUNVEGAN U2U
0962 195848 2015-07-01	DUNVEGAN V2V
0962 195849 2015-07-01	DUNVEGAN W2W
0962 195850 2016-04-01	DUNVEGAN X2X
0962 195851 2016-04-01	DUNVEGAN Y2Y
0962 195852 2016-04-01	DUNVEGAN Z2Z
0962 196101 2016-04-01	DUNVEGAN A3A
0962 196102 2016-04-01	DUNVEGAN B3B
0962 196103 2016-04-01	DUNVEGAN C3C
0962 218003 2011-06-01	VIKING C
0962 218008 2003-06-01	VIKING H
0962 218009 2005-02-01	VIKING I
0962 218012 2006-04-01	VIKING L
0962 218013 2010-04-01	VIKING M
0962 218014 2006-09-01	VIKING N
0962 218015 2010-04-01	VIKING O
0962 218017 2010-04-01	VIKING Q
0962 218018 2011-09-01	VIKING R
0962 218021 2011-12-01	VIKING U
0962 218022 2009-11-01	VIKING V
0962 218024 2010-04-01	VIKING X
0962 218025 2013-12-01	VIKING Y
0962 218026 2014-01-01	VIKING Z



**POOL DESIGNATION (cont'd)**

0962 218027 2016-04-01	VIKING AA
0962 218028 2016-04-01	VIKING BB
0962 218029 2016-04-01	VIKING CC
0962 218030 2016-04-01	VIKING DD
0962 218031 2016-04-01	VIKING EE
0962 228001 2010-04-01	PEACE RIVER A
0962 228002 2009-09-01	PEACE RIVER B
0962 228003 2010-03-01	PEACE RIVER C
0962 228004 2010-10-01	PEACE RIVER D
0962 228005 2010-10-01	PEACE RIVER E
0962 228006 2015-07-01	PEACE RIVER F
0962 228007 2015-07-01	PEACE RIVER G
0962 228008 2015-07-01	PEACE RIVER H
0962 228009 2015-07-01	PEACE RIVER I
0962 228010 2015-07-01	PEACE RIVER J
0962 228011 2015-07-01	PEACE RIVER K
0962 250701 2016-04-01	UPPER MANNVILLE AAA
0962 251109 2011-09-01	UPPER MANNVILLE I3I
0962 251144 2014-12-01	UPPER MANNVILLE R4R
0962 251535 2015-07-01	UPPER MANNVILLE I6I
0962 251536 2016-04-01	UPPER MANNVILLE J6J
0962 251537 2016-04-01	UPPER MANNVILLE K6K
0962 251538 2016-04-01	UPPER MANNVILLE L6L
0962 251539 2016-04-01	UPPER MANNVILLE M6M
0962 251540 2016-04-01	UPPER MANNVILLE N6N
0962 264019 2011-09-01	SPIRIT RIVER S
0962 264025 2012-02-01	SPIRIT RIVER Y
0962 264035 2014-07-01	SPIRIT RIVER II
0962 264042 2009-11-01	SPIRIT RIVER PP
0962 264101 2010-04-01	SPIRIT RIVER AAA
0962 264102 2011-09-01	SPIRIT RIVER BBB
0962 264107 2013-11-01	SPIRIT RIVER GGG
0962 264108 2014-03-01	SPIRIT RIVER HHH
0962 264113 2011-04-01	SPIRIT RIVER MMM
0962 264114 2011-03-01	SPIRIT RIVER NNN

**POOL DESIGNATION (cont'd)**

0962 264115	2011-06-01	SPIRIT RIVER OOO
0962 264117	2012-05-01	SPIRIT RIVER QQQ
0962 264118	2012-05-01	SPIRIT RIVER RRR
0962 264119	2012-09-01	SPIRIT RIVER SSS
0962 264120	2015-07-01	SPIRIT RIVER TTT
0962 264121	2015-07-01	SPIRIT RIVER UUU
0962 264122	2015-07-01	SPIRIT RIVER VVV
0962 264123	2015-07-01	SPIRIT RIVER WWW
0962 264124	2015-07-01	SPIRIT RIVER XXX
0962 264125	2015-07-01	SPIRIT RIVER YYY
0962 264126	2015-07-01	SPIRIT RIVER ZZZ
0962 264127	2015-07-01	SPIRIT RIVER A2A
0962 264128	2015-09-01	SPIRIT RIVER B2B
0962 264129	2016-04-01	SPIRIT RIVER C2C
0962 266004	2016-04-01	NOTIKEWIN D
0962 271516	2015-07-01	FALHER P
0962 304001	2011-07-01	BLUESKY A
0962 304002	2011-05-01	BLUESKY B
0962 304016	2010-04-01	BLUESKY P
0962 304025	2007-12-01	BLUESKY Y
0962 304037	2009-11-01	BLUESKY KK
0962 304038	2009-06-01	BLUESKY LL
0962 304040	2010-04-01	BLUESKY NN
0962 304045	2011-04-01	BLUESKY SS
0962 304046	2011-03-01	BLUESKY TT
0962 304047	2011-04-01	BLUESKY UU
0962 304048	2012-05-01	BLUESKY VV
0962 304049	2013-12-01	BLUESKY WW
0962 304050	2015-07-01	BLUESKY XX
0962 304051	2015-07-01	BLUESKY YY
0962 304052	2015-07-01	BLUESKY ZZ
0962 304101	2015-07-01	BLUESKY AAA
0962 304102	2015-07-01	BLUESKY BBB
0962 304103	2015-07-01	BLUESKY CCC
0962 304104	2015-07-01	BLUESKY DDD

**POOL DESIGNATION (cont'd)**

0962 304105 2015-07-01	BLUESKY EEE
0962 304106 2015-07-01	BLUESKY FFF
0962 304107 2015-07-01	BLUESKY GGG
0962 304108 2016-04-01	BLUESKY HHH
0962 304109 2016-04-01	BLUESKY III
0962 304110 2016-08-01	BLUESKY JJJ
0962 326001 2011-08-01	GETHING A
0962 326007 2011-07-01	GETHING G
0962 326008 2011-10-01	GETHING H
0962 326014 2011-03-01	GETHING N
0962 326015 2011-07-01	GETHING O
0962 326017 2011-03-01	GETHING Q
0962 326018 2011-10-01	GETHING R
0962 326020 2011-08-01	GETHING T
0962 326021 2011-06-01	GETHING U
0962 326032 2010-04-01	GETHING FF
0962 326050 2011-05-01	GETHING XX
0962 326603 2011-03-01	GETHING CCC
0962 326624 2010-04-01	GETHING XXX
0962 326629 2011-03-01	GETHING C2C
0962 326630 2007-09-01	GETHING D2D
0962 326632 2007-12-01	GETHING F2F
0962 326643 2010-04-01	GETHING Q2Q
0962 326644 2011-06-01	GETHING R2R
0962 326651 2011-02-01	GETHING Y2Y
0962 327303 2009-01-01	GETHING C3C
0962 327304 2010-04-01	GETHING D3D
0962 327305 2011-03-01	GETHING E3E
0962 327320 2009-08-01	GETHING T3T
0962 327321 2010-10-01	GETHING U3U
0962 327329 2011-04-01	GETHING C4C
0962 327330 2011-03-01	GETHING D4D
0962 327331 2011-10-01	GETHING E4E
0962 327332 2012-05-01	GETHING F4F
0962 327333 2012-09-01	GETHING G4G
0962 327334 2015-07-01	GETHING H4H
0962 327335 2015-07-01	GETHING I4I

**POOL DESIGNATION (cont'd)**

0962 327336 2015-07-01	GETHING J4J
0962 327337 2015-07-01	GETHING K4K
0962 327338 2015-07-01	GETHING L4L
0962 327339 2015-07-01	GETHING M4M
0962 327340 2015-07-01	GETHING N4N
0962 327341 2015-07-01	GETHING O4O
0962 327342 2015-07-01	GETHING P4P
0962 327343 2015-07-01	GETHING Q4Q
0962 327344 2015-07-01	GETHING R4R
0962 327345 2015-07-01	GETHING S4S
0962 327346 2016-04-01	GETHING T4T
0962 327347 2016-04-01	GETHING U4U
0962 327348 2016-04-01	GETHING V4V
0962 327349 2016-04-01	GETHING W4W
0962 327350 2016-04-01	GETHING X4X
0962 327351 2016-04-01	GETHING Y4Y
0962 327352 2016-04-01	GETHING Z4Z
0962 348001 2012-09-01	CADOMIN A
0962 348002 2013-11-01	CADOMIN B
0962 348020 2010-04-01	CADOMIN T
0962 348034 2010-04-01	CADOMIN HH
0962 348036 2011-03-01	CADOMIN JJ
0962 348051 2007-12-01	CADOMIN YY
0962 348717 2011-02-01	CADOMIN QQQ
0962 348718 2009-01-01	CADOMIN RRR
0962 348730 2014-03-01	CADOMIN D2D
0962 348742 2011-04-01	CADOMIN P2P
0962 348743 2011-03-01	CADOMIN Q2Q
0962 348745 2014-01-01	CADOMIN S2S
0962 348746 2015-07-01	CADOMIN T2T
0962 348747 2015-07-01	CADOMIN U2U
0962 348748 2015-07-01	CADOMIN V2V
0962 348749 2015-07-01	CADOMIN W2W
0962 348750 2015-07-01	CADOMIN X2X
0962 348751 2015-07-01	CADOMIN Y2Y
0962 348752 2015-07-01	CADOMIN Z2Z
0962 348901 2015-07-01	CADOMIN A3A

**POOL DESIGNATION (cont'd)**

0962 348902 2015-07-01	CADOMIN B3B
0962 348903 2015-07-01	CADOMIN C3C
0962 348904 2015-07-01	CADOMIN D3D
0962 348905 2016-04-01	CADOMIN E3E
0962 348906 2016-04-01	CADOMIN F3F
0962 348907 2016-04-01	CADOMIN G3G
0962 348908 2016-04-01	CADOMIN H3H
0962 408002 2010-07-01	NIKANASSIN B
0962 408007 2007-12-01	NIKANASSIN G
0962 408008 2007-12-01	NIKANASSIN H
0962 408010 2008-04-01	NIKANASSIN J
0962 408011 2011-09-01	NIKANASSIN K
0962 408012 2011-10-01	NIKANASSIN L
0962 408014 2009-11-01	NIKANASSIN N
0962 408015 2009-11-01	NIKANASSIN O
0962 408016 2011-11-01	NIKANASSIN P
0962 408017 2011-11-01	NIKANASSIN Q
0962 408018 2015-07-01	NIKANASSIN R
0962 408019 2016-04-01	NIKANASSIN S
0962 408020 2016-04-01	NIKANASSIN T
0962 408021 2016-04-01	NIKANASSIN U
0962 432001 2010-04-01	ROCK CREEK A
0962 432002 2007-06-01	ROCK CREEK B
0962 432005 2016-04-01	ROCK CREEK E
0962 444001 2007-05-01	NORDEGG A
0962 444002 2012-08-01	NORDEGG B
0962 524001 2014-02-01	MONTNEY A
0962 524002 2015-07-01	MONTNEY B
0962 524003 2015-07-01	MONTNEY C
0962 524004 2015-07-01	MONTNEY D
0962 524005 2015-09-01	MONTNEY E
0962 644001 2008-07-01	BANFF A

**POOL DESIGNATION (cont'd)**

0962 658001	2001-02-01	WABAMUN A
0962 658002	2004-07-01	WABAMUN B
0962 658003	2005-01-01	WABAMUN C
0962 658004	2011-03-01	WABAMUN D
0962 658005	2014-01-01	WABAMUN E
0962 658006	2015-07-01	WABAMUN F
0962 680001	2010-05-01	BLUERIDGE A
0962 696002	2010-01-01	NISKU B
0962 696003	2007-12-01	NISKU C
0962 696004	2014-01-01	NISKU D
0962 720001	2001-02-01	LEDUC A
0962 720002	2001-02-01	LEDUC B
0962 720003	2001-02-01	LEDUC C
0962 720004	2001-02-01	LEDUC D
0962 720005	2001-02-01	LEDUC E
0962 720006	2003-06-01	LEDUC F
0962 720007	2001-06-01	LEDUC G
0962 720008	2002-09-01	LEDUC H
0962 720009	2005-05-01	LEDUC I
0962 720010	2005-02-01	LEDUC J
0962 720011	2010-04-01	LEDUC K
0962 720012	2007-12-01	LEDUC L
0962 720013	2014-01-01	LEDUC M
0962 720014	2015-07-01	LEDUC N
0962 720015	2015-07-01	LEDUC O
0962 720016	2015-07-01	LEDUC P
0962 720017	2015-07-01	LEDUC Q
0962 855400	2016-04-01	MFP8554 DUNVEGAN
0962 857300	2014-02-01	MFP8573 SPIRIT RIVER
0962 860200	2016-04-01	MFP8602 CARDIUM

**SPACING PATTERN**

SU 2622 26 Mar 1996  
SU 2622A 1 Feb 2005  
SU 2622B 9 Apr 2005  
SU 2622C 8 Dec 2006  
SU 2622D 18 Apr 2007  
From Colt Field Dec.1,07

SU 4271 24 Jan 2005  
SU 4271A 1 Feb 2005  
SU 4271B 1 Jun 2005  
SU 4271C 29 Aug 2005  
SU 4271D 16 Jan 2006  
SU 4271E 10 Feb 2006  
SU 4271F 17 Mar 2006  
SU 4271G 3 Apr 2006  
SU 4271H 8 Dec 2006  
SU 4271I 10 Jan 2007  
SU 4271J 20 Mar 2007

**COMMINGLED PRODUCTION**

MU 8789 5 Apr 2016

**SUBSURFACE DISPOSAL SCHEMES**

App 11280 24 Jan 2009  
Class Ib  
Canadian Natural Resources Limited

App 11605A 3 Jan 2013  
Class Ib  
Secure Energy Services Inc.

**FIELD DESIGNATION**

0958 2013-12-01 WILDCAT HILLS FIELD

**POOL DESIGNATION**

0958 176002 2010-08-01 CARDIUM B  
0958 176003 2010-08-01 CARDIUM C  
0958 176004 2012-11-01 CARDIUM D  
0958 176005 2010-04-01 CARDIUM E  
0958 176006 2010-04-01 CARDIUM F  
0958 176007 2010-04-01 CARDIUM G  
0958 176008 2010-04-01 CARDIUM H

0958 202001 2010-11-01 FISH SCALE A

0958 218002 2001-02-01 VIKING B  
0958 218005 2001-02-01 VIKING E  
0958 218016 2003-11-01 VIKING P  
0958 218017 2003-07-01 VIKING Q  
0958 218018 2010-04-01 VIKING R  
0958 218019 2010-04-01 VIKING S  
0958 218020 2010-04-01 VIKING T  
0958 218021 2005-02-01 VIKING U  
0958 218022 2008-08-01 VIKING V  
0958 218023 2005-05-01 VIKING W  
0958 218024 2006-02-01 VIKING X  
0958 218025 2006-04-01 VIKING Y  
0958 218029 2006-11-01 VIKING CC  
0958 218030 2006-11-01 VIKING DD  
0958 218031 2007-08-01 VIKING EE  
0958 218032 2006-12-01 VIKING FF  
0958 218033 2006-12-01 VIKING GG  
0958 218034 2007-03-01 VIKING HH  
0958 218035 2009-03-01 VIKING II  
0958 218036 2010-11-01 VIKING JJ  
0958 218037 2012-07-01 VIKING KK  
0958 218038 2013-09-01 VIKING LL



**POOL DESIGNATION (cont'd)**

0958 218039 2016-01-01	VIKING MM
0958 223101 2010-04-01	VIKING-BLAIRMORE A
0958 223102 2009-02-01	VIKING-BLAIRMORE B
0958 223103 2001-05-01	VIKING-BLAIRMORE C
0958 223104 2010-04-01	VIKING-BLAIRMORE D
0958 223105 2001-05-01	VIKING-BLAIRMORE E
0958 223106 2001-05-01	VIKING-BLAIRMORE F
0958 223107 2010-08-01	VIKING-BLAIRMORE G
0958 223108 2001-10-01	VIKING-BLAIRMORE H
0958 223109 2002-02-01	VIKING-BLAIRMORE I
0958 223110 2009-05-01	VIKING-BLAIRMORE J
0958 223111 2003-02-01	VIKING-BLAIRMORE K
0958 223112 2010-04-01	VIKING-BLAIRMORE L
0958 223113 2010-04-01	VIKING-BLAIRMORE M
0958 223114 2003-07-01	VIKING-BLAIRMORE N
0958 223115 2010-04-01	VIKING-BLAIRMORE O
0958 223116 2010-04-01	VIKING-BLAIRMORE P
0958 223117 2004-12-01	VIKING-BLAIRMORE Q
0958 223118 2008-04-01	VIKING-BLAIRMORE R
0958 223119 2009-05-01	VIKING-BLAIRMORE S
0958 244005 2012-06-01	BLAIRMORE E
0958 244007 2010-08-01	BLAIRMORE G
0958 244009 2010-11-01	BLAIRMORE I
0958 610001 2010-04-01	RUNDLE A
0958 610002 2010-04-01	RUNDLE B
0958 610003 2001-12-01	RUNDLE C
0958 610004 2010-04-01	RUNDLE D
0958 610006 2001-02-01	RUNDLE F
0958 610007 2010-04-01	RUNDLE G
0958 610010 2001-03-01	RUNDLE J
0958 610015 2001-11-01	RUNDLE O
0958 610016 2009-10-01	RUNDLE P
0958 610017 2013-12-01	RUNDLE Q
0958 610018 2013-12-01	RUNDLE R
0958 610019 2013-12-01	RUNDLE S

**POOL DESIGNATION (cont'd)**

0958 610020 2013-12-01	RUNDLE T
0958 610021 2013-12-01	RUNDLE U
0958 610022 2013-12-01	RUNDLE V
0958 610023 2013-12-01	RUNDLE W
0958 610024 2013-12-01	RUNDLE X
0958 610025 2013-12-01	RUNDLE Y
0958 610026 2013-12-01	RUNDLE Z
0958 658001 2013-12-01	WABAMUN A

**SPACING PATTERN**

SU 2749	7 May 1996
SU 2749A	21 Oct 1998
SU 2749B	8 Apr 1999
SU 2749C	26 Jan 2000
SU 2749D	2 Feb 2001
SU 2749E	17 Oct 2001

**COMMINGLED PRODUCTION**

MU 8580	3 Jan 2014
---------	------------

**SUBSURFACE DISPOSAL SCHEMES**

App 7583C 16 Apr 2018  
Class Ib  
Canlin Energy Corporation

**FIELD DESIGNATION**

0961 2001-02-01                      WILDHORSE CREEK FIELD

**POOL DESIGNATION**

0961 610001 2010-04-01        RUNDLE A

**FIELD DESIGNATION**

0963 2015-08-01 WILDMERE FIELD

**POOL DESIGNATION**

0963 160001 2011-07-01 COLORADO A  
0963 160002 2011-07-01 COLORADO B  
0963 160003 2012-12-01 COLORADO C  
0963 160004 2012-05-01 COLORADO D  
0963 160005 2012-05-01 COLORADO E  
0963 160006 2012-06-01 COLORADO F  
0963 160007 2012-06-01 COLORADO G  
0963 160008 2012-08-01 COLORADO H  
0963 160009 2012-09-01 COLORADO I

0963 186001 2001-02-01 SECOND WHITE SPECKS A  
0963 186002 2009-11-01 SECOND WHITE SPECKS B  
0963 186003 2012-06-01 SECOND WHITE SPECKS C

0963 202001 2006-04-01 FISH SCALE A  
0963 202002 2009-11-01 FISH SCALE B  
0963 202003 2011-05-01 FISH SCALE C  
0963 202004 2012-06-01 FISH SCALE D  
0963 202005 2012-06-01 FISH SCALE E

0963 211001 2012-10-01 LOWER COLORADO A  
0963 211002 2015-09-01 LOWER COLORADO B  
0963 211003 2015-09-01 LOWER COLORADO C

0963 218001 2014-01-01 VIKING A  
0963 218002 2015-08-01 VIKING B  
0963 218003 2015-08-01 VIKING C  
0963 218004 2015-08-01 VIKING D

0963 250001 2001-02-01 UPPER MANNVILLE A  
0963 250002 2001-02-01 UPPER MANNVILLE B  
0963 250003 2001-02-01 UPPER MANNVILLE C

**POOL DESIGNATION (cont'd)**

0963 250004	2001-02-01	UPPER MANNVILLE D
0963 250005	2012-07-01	UPPER MANNVILLE E
0963 250006	2015-08-01	UPPER MANNVILLE F
0963 250007	2015-08-01	UPPER MANNVILLE G
0963 256001	2004-03-01	COLONY A
0963 256002	2001-02-01	COLONY B
0963 256003	2001-02-01	COLONY C
0963 256004	2001-02-01	COLONY D
0963 256006	2010-12-01	COLONY F
0963 256007	2001-02-01	COLONY G
0963 256008	2006-07-01	COLONY H
0963 256009	2016-08-01	COLONY I
0963 256011	2001-02-01	COLONY K
0963 256012	2001-02-01	COLONY L
0963 256013	2001-02-01	COLONY M
0963 256014	2010-04-01	COLONY N
0963 256015	2001-02-01	COLONY O
0963 256017	2001-02-01	COLONY Q
0963 256018	2001-02-01	COLONY R
0963 256020	2001-02-01	COLONY T
0963 256021	2017-06-01	COLONY U
0963 256022	2001-02-01	COLONY V
0963 256025	2010-04-01	COLONY Y
0963 256026	2001-02-01	COLONY Z
0963 256028	2001-10-01	COLONY BB
0963 256029	2001-02-01	COLONY CC
0963 256030	2005-01-01	COLONY DD
0963 256031	2001-02-01	COLONY EE
0963 256032	2010-04-01	COLONY FF
0963 256033	2001-02-01	COLONY GG
0963 256035	2001-02-01	COLONY II
0963 256036	2001-02-01	COLONY JJ
0963 256037	2001-02-01	COLONY KK
0963 256038	2001-02-01	COLONY LL
0963 256040	2001-02-01	COLONY NN
0963 256041	2001-02-01	COLONY OO
0963 256042	2013-09-01	COLONY PP

**POOL DESIGNATION (cont'd)**

0963 256043 2016-11-01	COLONY QQ
0963 256044 2001-02-01	COLONY RR
0963 256045 2001-02-01	COLONY SS
0963 256046 2001-02-01	COLONY TT
0963 256047 2001-02-01	COLONY UU
0963 256048 2001-02-01	COLONY VV
0963 256049 2001-02-01	COLONY WW
0963 256050 2001-02-01	COLONY XX
0963 256051 2001-02-01	COLONY YY
0963 256401 2001-02-01	COLONY AAA
0963 256402 2001-02-01	COLONY BBB
0963 256403 2001-02-01	COLONY CCC
0963 256404 2002-08-01	COLONY DDD
0963 256405 2001-02-01	COLONY EEE
0963 256407 2007-01-01	COLONY GGG
0963 256408 2001-02-01	COLONY HHH
0963 256409 2001-02-01	COLONY III
0963 256410 2001-02-01	COLONY JJJ
0963 256411 2001-02-01	COLONY KKK
0963 256412 2004-04-01	COLONY LLL
0963 256413 2001-02-01	COLONY MMM
0963 256414 2015-03-01	COLONY NNN
0963 256415 2001-02-01	COLONY OOO
0963 256416 2001-02-01	COLONY PPP
0963 256417 2001-02-01	COLONY QQQ
0963 256418 2001-02-01	COLONY RRR
0963 256419 2001-02-01	COLONY SSS
0963 256420 2001-02-01	COLONY TTT
0963 256422 2001-02-01	COLONY VVV
0963 256423 2004-01-01	COLONY WWW
0963 256424 2001-02-01	COLONY XXX
0963 256425 2001-02-01	COLONY YYY
0963 256426 2001-02-01	COLONY ZZZ
0963 256427 2001-02-01	COLONY A2A
0963 256428 2001-02-01	COLONY B2B
0963 256429 2001-02-01	COLONY C2C
0963 256430 2013-02-01	COLONY D2D
0963 256432 2001-03-01	COLONY F2F

**POOL DESIGNATION (cont'd)**

0963 256434 2002-04-01	COLONY H2H
0963 256435 2010-04-01	COLONY I2I
0963 256437 2003-12-01	COLONY K2K
0963 256438 2005-07-01	COLONY L2L
0963 256440 2003-05-01	COLONY N2N
0963 256441 2004-02-01	COLONY O2O
0963 256442 2004-02-01	COLONY P2P
0963 256448 2011-12-01	COLONY V2V
0963 256449 2005-02-01	COLONY W2W
0963 256451 2005-06-01	COLONY Y2Y
0963 258701 2006-02-01	COLONY A3A
0963 258702 2006-04-01	COLONY B3B
0963 258703 2006-04-01	COLONY C3C
0963 258704 2006-07-01	COLONY D3D
0963 258705 2006-12-01	COLONY E3E
0963 258706 2013-09-01	COLONY F3F
0963 258709 2012-07-01	COLONY I3I
0963 258710 2008-12-01	COLONY J3J
0963 258712 2010-04-01	COLONY L3L
0963 258713 2007-01-01	COLONY M3M
0963 258714 2007-05-01	COLONY N3N
0963 258715 2007-05-01	COLONY O3O
0963 258716 2007-05-01	COLONY P3P
0963 258717 2007-05-01	COLONY Q3Q
0963 258718 2007-05-01	COLONY R3R
0963 258719 2007-05-01	COLONY S3S
0963 258720 2007-11-01	COLONY T3T
0963 258721 2007-12-01	COLONY U3U
0963 258722 2008-02-01	COLONY V3V
0963 258723 2008-02-01	COLONY W3W
0963 258724 2014-03-01	COLONY X3X
0963 258725 2008-06-01	COLONY Y3Y
0963 258726 2008-10-01	COLONY Z3Z
0963 258727 2008-10-01	COLONY A4A
0963 258730 2008-12-01	COLONY D4D
0963 258731 2009-02-01	COLONY E4E
0963 258732 2015-03-01	COLONY F4F
0963 258733 2010-03-01	COLONY G4G

**POOL DESIGNATION (cont'd)**

0963 258734 2010-08-01	COLONY H4H
0963 258735 2011-08-01	COLONY I4I
0963 258737 2011-06-01	COLONY K4K
0963 258738 2011-10-01	COLONY L4L
0963 258739 2012-03-01	COLONY M4M
0963 258740 2013-03-01	COLONY N4N
0963 258741 2013-07-01	COLONY O4O
0963 258742 2013-11-01	COLONY P4P
0963 258743 2015-08-01	COLONY Q4Q
0963 258744 2015-08-01	COLONY R4R
0963 258745 2015-08-01	COLONY S4S
0963 258746 2015-08-01	COLONY T4T
0963 258747 2015-08-01	COLONY U4U
0963 258748 2015-08-01	COLONY V4V
0963 258749 2015-08-01	COLONY W4W
0963 258750 2015-08-01	COLONY X4X
0963 258751 2015-08-01	COLONY Y4Y
0963 258752 2015-08-01	COLONY Z4Z
0963 258801 2015-08-01	COLONY A5A
0963 258802 2015-08-01	COLONY B5B
0963 258803 2015-08-01	COLONY C5C
0963 258804 2015-08-01	COLONY D5D
0963 258805 2015-08-01	COLONY E5E
0963 258806 2015-08-01	COLONY F5F
0963 258807 2015-08-01	COLONY G5G
0963 258808 2015-08-01	COLONY H5H
0963 258809 2015-08-01	COLONY I5I
0963 258810 2015-08-01	COLONY J5J
0963 258811 2015-08-01	COLONY K5K
0963 258812 2015-08-01	COLONY L5L
0963 258813 2015-08-01	COLONY M5M
0963 258814 2015-08-01	COLONY N5N
0963 258815 2015-08-01	COLONY O5O
0963 258816 2015-08-01	COLONY P5P
0963 258817 2015-08-01	COLONY Q5Q
0963 258818 2015-08-01	COLONY R5R
0963 258819 2015-08-01	COLONY S5S
0963 258820 2015-08-01	COLONY T5T



**POOL DESIGNATION (cont'd)**

0963 258821	2015-08-01	COLONY U5U
0963 258822	2015-08-01	COLONY V5V
0963 258823	2015-08-01	COLONY W5W
0963 258824	2015-08-01	COLONY X5X
0963 258825	2015-08-01	COLONY Y5Y
0963 258826	2015-08-01	COLONY Z5Z
0963 258827	2015-08-01	COLONY A6A
0963 258828	2015-08-01	COLONY B6B
0963 258829	2017-07-01	COLONY C6C
0963 258830	2018-03-01	COLONY D6D
0963 268001	2008-03-01	MCLAREN A
0963 268002	2001-02-01	MCLAREN B
0963 268003	2015-07-01	MCLAREN C
0963 268004	2001-02-01	MCLAREN D
0963 268005	2001-02-01	MCLAREN E
0963 268006	2012-11-01	MCLAREN F
0963 268007	2001-02-01	MCLAREN G
0963 268008	2002-09-01	MCLAREN H
0963 268009	2003-01-01	MCLAREN I
0963 268010	2003-08-01	MCLAREN J
0963 268012	2004-03-01	MCLAREN L
0963 268013	2004-05-01	MCLAREN M
0963 268014	2014-04-01	MCLAREN N
0963 268016	2007-03-01	MCLAREN P
0963 268017	2006-09-01	MCLAREN Q
0963 268018	2007-10-01	MCLAREN R
0963 268019	2008-05-01	MCLAREN S
0963 268020	2011-12-01	MCLAREN T
0963 268021	2012-09-01	MCLAREN U
0963 268022	2014-03-01	MCLAREN V
0963 268023	2013-07-01	MCLAREN W
0963 268024	2015-07-01	MCLAREN X
0963 270001	2004-07-01	WASECA A
0963 270002	2008-03-01	WASECA B
0963 270003	2004-03-01	WASECA C
0963 270004	2004-07-01	WASECA D

**POOL DESIGNATION (cont'd)**

0963 270005	2006-12-01	WASECA E
0963 270006	2010-01-01	WASECA F
0963 270007	2011-10-01	WASECA G
0963 270008	2015-08-01	WASECA H
0963 276002	2006-05-01	SPARKY B
0963 276003	2001-02-01	SPARKY C
0963 276004	2001-02-01	SPARKY D
0963 276005	2013-01-01	SPARKY E
0963 276007	2014-09-01	SPARKY G
0963 276009	2013-01-01	SPARKY I
0963 276010	2010-02-01	SPARKY J
0963 276012	2001-02-01	SPARKY L
0963 276013	2001-02-01	SPARKY M
0963 276014	2012-05-01	SPARKY N
0963 276015	2016-10-01	SPARKY O
0963 276017	2012-12-01	SPARKY Q
0963 276018	2006-07-01	SPARKY R
0963 276019	2001-02-01	SPARKY S
0963 276020	2014-03-01	SPARKY T
0963 276021	2001-02-01	SPARKY U
0963 276022	2001-02-01	SPARKY V
0963 276023	2007-01-01	SPARKY W
0963 276024	2001-02-01	SPARKY X
0963 276025	2001-02-01	SPARKY Y
0963 276026	2001-02-01	SPARKY Z
0963 276028	2004-01-01	SPARKY BB
0963 276029	2001-02-01	SPARKY CC
0963 276030	2008-11-01	SPARKY DD
0963 276031	2001-02-01	SPARKY EE
0963 276033	2007-05-01	SPARKY GG
0963 276034	2001-02-01	SPARKY HH
0963 276037	2001-02-01	SPARKY KK
0963 276039	2011-04-01	SPARKY MM
0963 276040	2017-09-01	SPARKY NN
0963 276042	2005-04-01	SPARKY PP
0963 276043	2003-10-01	SPARKY QQ
0963 276045	2010-05-01	SPARKY SS

**POOL DESIGNATION (cont'd)**

0963 276046 2003-11-01	SPARKY TT
0963 276049 2014-11-01	SPARKY WW
0963 276051 2005-04-01	SPARKY YY
0963 276052 2005-06-01	SPARKY ZZ
0963 276201 2005-10-01	SPARKY AAA
0963 276202 2006-01-01	SPARKY BBB
0963 276203 2006-02-01	SPARKY CCC
0963 276205 2008-10-01	SPARKY EEE
0963 276206 2016-07-01	SPARKY FFF
0963 276208 2018-10-01	SPARKY HHH
0963 276210 2010-01-01	SPARKY JJJ
0963 276212 2016-06-01	SPARKY LLL
0963 276213 2011-06-01	SPARKY MMM
0963 276214 2011-12-01	SPARKY NNN
0963 276215 2012-06-01	SPARKY OOO
0963 276216 2015-09-01	SPARKY PPP
0963 276217 2016-01-01	SPARKY QQQ
0963 276218 2013-07-01	SPARKY RRR
0963 276219 2013-07-01	SPARKY SSS
0963 276220 2013-11-01	SPARKY TTT
0963 276221 2016-05-01	SPARKY UUU
0963 276222 2014-03-01	SPARKY VVV
0963 276223 2015-08-01	SPARKY WWW
0963 276224 2015-08-01	SPARKY XXX
0963 276225 2015-08-01	SPARKY YYY
0963 276226 2015-08-01	SPARKY ZZZ
0963 276227 2015-08-01	SPARKY A2A
0963 276228 2016-03-01	SPARKY B2B
0963 278001 2015-08-01	WAINWRIGHT A
0963 278002 2017-05-01	WAINWRIGHT B
0963 278003 2015-08-01	WAINWRIGHT C
0963 278004 2015-08-01	WAINWRIGHT D
0963 278005 2015-08-01	WAINWRIGHT E
0963 278006 2015-08-01	WAINWRIGHT F
0963 286001 2012-10-01	GENERAL PETROLEUM A
0963 286002 2018-08-01	GENERAL PETROLEUM B

**POOL DESIGNATION (cont'd)**

0963 286005 2001-02-01	GENERAL PETROLEUM E
0963 286006 2010-04-01	GENERAL PETROLEUM F
0963 286007 2010-04-01	GENERAL PETROLEUM G
0963 286008 2001-02-01	GENERAL PETROLEUM H
0963 286010 2015-01-01	GENERAL PETROLEUM J
0963 286011 2001-02-01	GENERAL PETROLEUM K
0963 286012 2001-03-01	GENERAL PETROLEUM L
0963 286013 2002-09-01	GENERAL PETROLEUM M
0963 286014 2003-05-01	GENERAL PETROLEUM N
0963 286015 2016-07-01	GENERAL PETROLEUM O
0963 286016 2015-03-01	GENERAL PETROLEUM P
0963 286017 2009-12-01	GENERAL PETROLEUM Q
0963 286018 2014-03-01	GENERAL PETROLEUM R
0963 286019 2015-10-01	GENERAL PETROLEUM S
0963 286020 2015-08-01	GENERAL PETROLEUM T
0963 288001 2001-02-01	REX A
0963 288002 2001-02-01	REX B
0963 288003 2005-12-01	REX C
0963 288004 2001-02-01	REX D
0963 288006 2001-02-01	REX F
0963 288007 2007-02-01	REX G
0963 288008 2005-07-01	REX H
0963 288009 2007-11-01	REX I
0963 294001 2014-12-01	LLOYDMINSTER A
0963 294003 2014-11-01	LLOYDMINSTER C
0963 294007 2001-02-01	LLOYDMINSTER G
0963 294008 2001-02-01	LLOYDMINSTER H
0963 294009 2014-03-01	LLOYDMINSTER I
0963 294010 2004-06-01	LLOYDMINSTER J
0963 294022 2014-12-01	LLOYDMINSTER V
0963 294024 2001-02-01	LLOYDMINSTER X
0963 294027 2014-03-01	LLOYDMINSTER AA
0963 294028 2001-02-01	LLOYDMINSTER BB
0963 294029 2001-02-01	LLOYDMINSTER CC
0963 294030 2001-02-01	LLOYDMINSTER DD
0963 294031 2003-03-01	LLOYDMINSTER EE

**POOL DESIGNATION (cont'd)**

0963 294032 2012-07-01	LLOYDMINSTER FF
0963 294033 2001-02-01	LLOYDMINSTER GG
0963 294034 2006-02-01	LLOYDMINSTER HH
0963 294035 2007-01-01	LLOYDMINSTER II
0963 294036 2001-02-01	LLOYDMINSTER JJ
0963 294037 2001-02-01	LLOYDMINSTER KK
0963 294038 2001-02-01	LLOYDMINSTER LL
0963 294039 2017-05-01	LLOYDMINSTER MM
0963 294042 2003-02-01	LLOYDMINSTER PP
0963 294044 2008-06-01	LLOYDMINSTER RR
0963 294045 2003-11-01	LLOYDMINSTER SS
0963 294046 2004-05-01	LLOYDMINSTER TT
0963 294049 2004-07-01	LLOYDMINSTER WW
0963 294050 2005-06-01	LLOYDMINSTER XX
0963 294052 2005-11-01	LLOYDMINSTER ZZ
0963 294301 2005-11-01	LLOYDMINSTER AAA
0963 294302 2005-11-01	LLOYDMINSTER BBB
0963 294303 2007-11-01	LLOYDMINSTER CCC
0963 294304 2011-02-01	LLOYDMINSTER DDD
0963 294305 2007-04-01	LLOYDMINSTER EEE
0963 294306 2006-09-01	LLOYDMINSTER FFF
0963 294307 2007-11-01	LLOYDMINSTER GGG
0963 294309 2010-07-01	LLOYDMINSTER III
0963 294310 2014-03-01	LLOYDMINSTER JJJ
0963 294311 2012-11-01	LLOYDMINSTER KKK
0963 294312 2012-11-01	LLOYDMINSTER LLL
0963 294313 2015-08-01	LLOYDMINSTER MMM
0963 294314 2015-08-01	LLOYDMINSTER NNN
0963 294315 2015-08-01	LLOYDMINSTER OOO
0963 294316 2015-08-01	LLOYDMINSTER PPP
0963 294317 2015-08-01	LLOYDMINSTER QQQ
0963 294318 2015-08-01	LLOYDMINSTER RRR
0963 294319 2015-08-01	LLOYDMINSTER SSS
0963 294320 2015-08-01	LLOYDMINSTER TTT
0963 294321 2015-08-01	LLOYDMINSTER UUU
0963 294322 2015-08-01	LLOYDMINSTER VVV
0963 294323 2015-08-01	LLOYDMINSTER WWW
0963 294324 2015-08-01	LLOYDMINSTER XXX

**POOL DESIGNATION (cont'd)**

0963 302001	2001-02-01	CUMMINGS A
0963 302002	2001-02-01	CUMMINGS B
0963 302004	2001-02-01	CUMMINGS D
0963 302005	2001-12-01	CUMMINGS E
0963 302006	2005-12-01	CUMMINGS F
0963 302007	2007-10-01	CUMMINGS G
0963 302008	2008-07-01	CUMMINGS H
0963 302009	2016-10-01	CUMMINGS I
0963 302010	2018-08-01	CUMMINGS J
0963 302011	2013-07-01	CUMMINGS K
0963 302012	2013-07-01	CUMMINGS L
0963 302013	2015-11-01	CUMMINGS M
0963 302014	2018-07-01	CUMMINGS N
0963 322001	2014-01-01	DINA A
0963 708001	2015-08-01	CAMROSE A

**SPACING PATTERN**

SU 4157	17 Mar 2004
SU 4157A	21 Jul 2004
SU 4157B	25 Jul 2005
SU 4157C	5 Dec 2005
SU 4157D	28 Sep 2006
SU 4157E	12 Dec 2006
SU 4157F	25 Apr 2007

**COMMINGLED PRODUCTION**

MU 8839	8 Aug 2018
---------	------------

**ENHANCED RECOVERY SCHEMES**

App 8257D 14 May 2015  
Waterflood  
Sparky B  
Husky Oil Operations Limited

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

App 9336M 18 Aug 2017  
Other  
Lloydminster A & Sparky E  
Enerplus Corporation

App 9929F 15 Jan 2018  
Waterflood

Lloydminster A and Sparky E  
Husky Oil Operations Limited

App 9971D 4 Jun 2014  
Waterflood  
General Petroleum G  
Gear Energy Ltd.

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

App 11892B 10 Jun 2015  
Waterflood  
Lloydminster C  
Gear Energy Ltd.

App 12005B 17 Jul 2014  
Waterflood  
Lloydminster C  
Husky Oil Operations Limited

App 12272A 5 Jun 2017  
Waterflood  
Lloydminster A  
Enerplus Corporation

App 12391A 27 Feb 2017  
Waterflood  
General Petroleum J  
Crew Energy Inc.

App 12523A 28 Nov 2017  
Waterflood  
Sparky N  
Husky Oil Operations Limited

App 12530 24 Jun 2016  
Waterflood  
Sparky O  
Deltastream Energy Corporation

App 12599 3 Apr 2017  
Waterflood  
Lloydminster MM  
Husky Oil Operations Limited

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

App 12704 12 Mar 2018  
Waterflood  
Lloydminster MM  
Husky Oil Operations Limited

App 12711A 30 Aug 2018  
Waterflood  
Lloydminster A  
West Lake Energy Corp.

App 12746 19 Jun 2018  
Waterflood  
Lloydminster VVV  
West Lake Energy Corp.

App 12782 16 Aug 2018  
Waterflood  
Lloydminster VVV  
West Lake Energy Corp.

**SUBSURFACE DISPOSAL SCHEMES**

App 10736E 17 Oct 2017  
Class II  
West Lake Energy Corp.

App 9659N 5 Jun 2017  
Class II  
Husky Oil Operations Limited

App 10073A 7 Aug 2012  
Class II  
Harvest Operations Corp.

App 10833B 20 Nov 2012  
Class II  
Devon Canada Corporation

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

App 11303E 12 Jun 2014  
Class II  
Gear Energy Ltd.

App 11332C 23 Feb 2012  
Class II  
Gear Energy Ltd.

App 11806B 7 Jun 2014  
Class II  
Canadian Natural Resources Limited

App 11972A 14 Nov 2017  
Class II  
Devon Canada Corporation

App 12243 7 Apr 2014  
Class II  
Crew Energy Inc.

App 12271 2 Jul 2014  
Class II  
Vermilion Energy Inc.

**COMPULSORY POOLING**

P 233 10 Dec 2002  
Gas  
31-050-06W4M  
Glencoe Resources Ltd.

P 411 9 Apr 2010  
Oil  
NW/4 33-050-06W4M  
611890 Alberta Inc.



**FIELD DESIGNATION**

0965 2009-01-01                      WILDUNN CREEK FIELD

**POOL DESIGNATION**

0965 134001 2005-07-01      BASAL BELLY RIVER A  
0965 134002 2005-07-01      BASAL BELLY RIVER B  
0965 134003 2005-07-01      BASAL BELLY RIVER C

0965 218001 2010-04-01      VIKING A  
0965 218002 2005-03-01      VIKING B  
0965 218003 2001-02-01      VIKING C

0965 248001 2013-09-01      MANNVILLE A

0965 250002 2007-10-01      UPPER MANNVILLE B  
0965 250003 2009-01-01      UPPER MANNVILLE C

0965 316001 2001-02-01      OSTRACOD A

**SPACING PATTERN**

SU 2573            13 Feb 1996  
SU 2573A          20 Sep 2002

**FIELD DESIGNATION**

0809 2011-02-01 WILDWOOD FIELD

**POOL DESIGNATION**

0809 106001 2006-04-01 EDMONTON A

0809 218001 2007-10-01 VIKING A

0809 250001 2002-05-01 UPPER MANNVILLE A  
0809 250002 2003-01-01 UPPER MANNVILLE B  
0809 250003 2004-02-01 UPPER MANNVILLE C

0809 316001 2003-01-01 OSTRACOD A  
0809 316002 2012-07-01 OSTRACOD B

0809 334001 2003-09-01 BASAL QUARTZ A  
0809 334002 2002-02-01 BASAL QUARTZ B  
0809 334003 2002-05-01 BASAL QUARTZ C  
0809 334004 2007-01-01 BASAL QUARTZ D

0809 444002 2004-09-01 NORDEGG B  
0809 444003 2007-10-01 NORDEGG C  
0809 444004 2008-02-01 NORDEGG D  
0809 444005 2011-02-01 NORDEGG E  
0809 444006 2012-07-01 NORDEGG F

0809 642001 2001-02-01 PEKISKO A  
0809 642002 2001-07-01 PEKISKO B  
0809 642003 2002-09-01 PEKISKO C  
0809 642004 2008-04-01 PEKISKO D  
0809 642005 2008-10-01 PEKISKO E  
0809 642006 2011-05-01 PEKISKO F  
0809 642007 2011-02-01 PEKISKO G  
0809 642008 2013-07-01 PEKISKO H

0809 644001 2011-05-01 BANFF A

**INDEX OF AER ORDERS AND APPROVALS**

**WIL**

**WILDWOOD FIELD**  
**October 2018**

**0809**  
**Page 2 of 2**

---

**POOL DESIGNATION (cont'd)**

0809 696001 2008-10-01 D-2 A

0809 728001 2018-08-01 DUVERNAY A

**SPACING PATTERN**

SU 2574 13 Feb 1996

**COMMINGLED PRODUCTION**

MU 8463 20 Dec 2012

**FIELD DESIGNATION**

0967 2016-06-01 WILLESDEN GREEN FIELD

**POOL DESIGNATION**

0967 064001 2009-09-01 PASKAPOO A  
0967 064002 2009-09-01 PASKAPOO B  
0967 064003 2010-05-01 PASKAPOO C  
0967 064005 2010-03-01 PASKAPOO E

0967 105001 2009-03-01 SCOLLARD A  
0967 105002 2009-03-01 SCOLLARD B

0967 106003 2004-05-01 EDMONTON C  
0967 106006 2005-07-01 EDMONTON F  
0967 106007 2006-01-01 EDMONTON G  
0967 106008 2008-05-01 EDMONTON H  
0967 106011 2006-05-01 EDMONTON K  
0967 106013 2006-05-01 EDMONTON M  
0967 106015 2007-02-01 EDMONTON O  
0967 106017 2007-01-01 EDMONTON Q  
0967 106018 2007-01-01 EDMONTON R  
0967 106019 2013-12-01 EDMONTON S  
0967 106020 2007-01-01 EDMONTON T  
0967 106021 2009-01-01 EDMONTON U  
0967 106022 2010-04-01 EDMONTON V  
0967 106023 2007-12-01 EDMONTON W  
0967 106024 2010-04-01 EDMONTON X  
0967 106025 2007-12-01 EDMONTON Y  
0967 106026 2008-03-01 EDMONTON Z  
0967 106028 2008-03-01 EDMONTON BB  
0967 106029 2013-04-01 EDMONTON CC  
0967 106032 2010-04-01 EDMONTON FF  
0967 106033 2008-06-01 EDMONTON GG  
0967 106034 2010-04-01 EDMONTON HH  
0967 106035 2010-04-01 EDMONTON II  
0967 106036 2008-09-01 EDMONTON JJ

**POOL DESIGNATION (cont'd)**

0967 106037 2008-12-01	EDMONTON KK
0967 106038 2011-06-01	EDMONTON LL
0967 106039 2008-12-01	EDMONTON MM
0967 106040 2008-12-01	EDMONTON NN
0967 106041 2009-01-01	EDMONTON OO
0967 106042 2010-04-01	EDMONTON PP
0967 106043 2010-04-01	EDMONTON QQ
0967 106044 2009-06-01	EDMONTON RR
0967 106045 2010-04-01	EDMONTON SS
0967 106047 2009-09-01	EDMONTON UU
0967 106050 2009-10-01	EDMONTON XX
0967 106051 2009-10-01	EDMONTON YY
0967 106052 2009-10-01	EDMONTON ZZ
0967 106602 2009-11-01	EDMONTON BBB
0967 106603 2010-01-01	EDMONTON CCC
0967 106604 2010-04-01	EDMONTON DDD
0967 106605 2010-04-01	EDMONTON EEE
0967 106606 2010-10-01	EDMONTON FFF
0967 106608 2011-02-01	EDMONTON HHH
0967 106609 2011-03-01	EDMONTON III
0967 106610 2011-07-01	EDMONTON JJJ
0967 106611 2011-09-01	EDMONTON KKK
0967 106612 2011-09-01	EDMONTON LLL
0967 106614 2012-10-01	EDMONTON NNN
0967 106615 2013-06-01	EDMONTON OOO
0967 106616 2013-07-01	EDMONTON PPP
0967 118801 2006-11-01	LOWER EDMONTON A
0967 118802 2006-11-01	LOWER EDMONTON B
0967 118804 2006-11-01	LOWER EDMONTON D
0967 118805 2006-11-01	LOWER EDMONTON E
0967 118806 2007-02-01	LOWER EDMONTON F
0967 118807 2006-12-01	LOWER EDMONTON G
0967 118808 2007-01-01	LOWER EDMONTON H
0967 118809 2007-01-01	LOWER EDMONTON I
0967 118810 2010-04-01	LOWER EDMONTON J
0967 118811 2010-04-01	LOWER EDMONTON K
0967 118812 2008-05-01	LOWER EDMONTON L

**POOL DESIGNATION (cont'd)**

0967 118813 2013-04-01	LOWER EDMONTON M
0967 118815 2010-04-01	LOWER EDMONTON O
0967 118817 2010-04-01	LOWER EDMONTON Q
0967 118818 2008-11-01	LOWER EDMONTON R
0967 118819 2008-11-01	LOWER EDMONTON S
0967 118821 2010-04-01	LOWER EDMONTON U
0967 118822 2009-03-01	LOWER EDMONTON V
0967 118823 2010-04-01	LOWER EDMONTON W
0967 118824 2010-04-01	LOWER EDMONTON X
0967 118825 2010-04-01	LOWER EDMONTON Y
0967 118827 2009-09-01	LOWER EDMONTON AA
0967 118830 2009-10-01	LOWER EDMONTON DD
0967 118831 2009-10-01	LOWER EDMONTON EE
0967 118832 2009-11-01	LOWER EDMONTON FF
0967 118833 2013-04-01	LOWER EDMONTON GG
0967 118834 2010-04-01	LOWER EDMONTON HH
0967 118835 2010-04-01	LOWER EDMONTON II
0967 118836 2010-10-01	LOWER EDMONTON JJ
0967 118837 2015-12-01	LOWER EDMONTON KK
0967 118839 2011-07-01	LOWER EDMONTON MM
0967 118841 2012-04-01	LOWER EDMONTON OO
0967 118842 2012-10-01	LOWER EDMONTON PP
0967 118843 2013-07-01	LOWER EDMONTON QQ
0967 118844 2014-02-01	LOWER EDMONTON RR
0967 118845 2016-01-01	LOWER EDMONTON SS
0967 126005 2001-02-01	BELLY RIVER E
0967 126006 2006-06-01	BELLY RIVER F
0967 126013 2001-02-01	BELLY RIVER M
0967 126017 2001-02-01	BELLY RIVER Q
0967 126019 2010-08-01	BELLY RIVER S
0967 126022 2010-08-01	BELLY RIVER V
0967 126027 2010-04-01	BELLY RIVER AA
0967 126028 2001-02-01	BELLY RIVER BB
0967 126029 2001-02-01	BELLY RIVER CC
0967 126030 2001-02-01	BELLY RIVER DD
0967 126034 2001-02-01	BELLY RIVER HH
0967 126039 2001-02-01	BELLY RIVER MM

**POOL DESIGNATION (cont'd)**

0967 126046 2010-04-01	BELLY RIVER TT
0967 126049 2001-02-01	BELLY RIVER WW
0967 126051 2001-02-01	BELLY RIVER YY
0967 126052 2001-02-01	BELLY RIVER ZZ
0967 126302 2001-02-01	BELLY RIVER BBB
0967 126306 2014-06-01	BELLY RIVER FFF
0967 126309 2010-04-01	BELLY RIVER III
0967 126310 2010-04-01	BELLY RIVER JJJ
0967 126312 2001-02-01	BELLY RIVER LLL
0967 126314 2001-02-01	BELLY RIVER NNN
0967 126316 2001-02-01	BELLY RIVER PPP
0967 126318 2001-02-01	BELLY RIVER RRR
0967 126325 2001-02-01	BELLY RIVER YYY
0967 126326 2004-08-01	BELLY RIVER ZZZ
0967 126329 2007-07-01	BELLY RIVER C2C
0967 126330 2003-06-01	BELLY RIVER D2D
0967 126334 2006-02-01	BELLY RIVER H2H
0967 126336 2004-05-01	BELLY RIVER J2J
0967 126337 2004-12-01	BELLY RIVER K2K
0967 126338 2005-03-01	BELLY RIVER L2L
0967 126339 2004-12-01	BELLY RIVER M2M
0967 126340 2010-08-01	BELLY RIVER N2N
0967 126342 2005-03-01	BELLY RIVER P2P
0967 126343 2005-04-01	BELLY RIVER Q2Q
0967 126345 2005-07-01	BELLY RIVER S2S
0967 126347 2005-09-01	BELLY RIVER U2U
0967 126348 2006-02-01	BELLY RIVER V2V
0967 126349 2005-12-01	BELLY RIVER W2W
0967 126350 2006-03-01	BELLY RIVER X2X
0967 126351 2010-04-01	BELLY RIVER Y2Y
0967 126401 2006-08-01	BELLY RIVER A3A
0967 126402 2006-12-01	BELLY RIVER B3B
0967 126403 2007-01-01	BELLY RIVER C3C
0967 126404 2007-08-01	BELLY RIVER D3D
0967 126405 2007-08-01	BELLY RIVER E3E
0967 126407 2010-04-01	BELLY RIVER G3G
0967 126408 2010-04-01	BELLY RIVER H3H
0967 126409 2008-03-01	BELLY RIVER I3I

**POOL DESIGNATION (cont'd)**

0967 126410 2008-12-01	BELLY RIVER J3J
0967 126411 2008-12-01	BELLY RIVER K3K
0967 126412 2009-02-01	BELLY RIVER L3L
0967 126413 2009-04-01	BELLY RIVER M3M
0967 126414 2010-07-01	BELLY RIVER N3N
0967 126415 2009-08-01	BELLY RIVER O3O
0967 126416 2009-10-01	BELLY RIVER P3P
0967 126417 2010-02-01	BELLY RIVER Q3Q
0967 126418 2010-04-01	BELLY RIVER R3R
0967 126419 2011-12-01	BELLY RIVER S3S
0967 126420 2012-04-01	BELLY RIVER T3T
0967 126421 2012-04-01	BELLY RIVER U3U
0967 126422 2012-08-01	BELLY RIVER V3V
0967 126423 2012-11-01	BELLY RIVER W3W
0967 126424 2013-07-01	BELLY RIVER X3X
0967 126425 2015-11-01	BELLY RIVER Y3Y
0967 126426 2017-02-01	BELLY RIVER Z3Z
0967 134001 2010-04-01	BASAL BELLY RIVER A
0967 134002 2010-04-01	BASAL BELLY RIVER B
0967 134003 2005-05-01	BASAL BELLY RIVER C
0967 134004 2005-05-01	BASAL BELLY RIVER D
0967 134005 2010-04-01	BASAL BELLY RIVER E
0967 134006 2010-04-01	BASAL BELLY RIVER F
0967 134007 2014-07-01	BASAL BELLY RIVER G
0967 134008 2005-05-01	BASAL BELLY RIVER H
0967 134009 2010-01-01	BASAL BELLY RIVER I
0967 134010 2005-05-01	BASAL BELLY RIVER J
0967 134011 2010-04-01	BASAL BELLY RIVER K
0967 134012 2005-05-01	BASAL BELLY RIVER L
0967 134013 2009-09-01	BASAL BELLY RIVER M
0967 134014 2013-10-01	BASAL BELLY RIVER N
0967 134015 2005-05-01	BASAL BELLY RIVER O
0967 134016 2018-02-01	BASAL BELLY RIVER P
0967 134017 2005-05-01	BASAL BELLY RIVER Q
0967 134018 2006-06-01	BASAL BELLY RIVER R
0967 134019 2005-05-01	BASAL BELLY RIVER S
0967 134020 2005-05-01	BASAL BELLY RIVER T



**POOL DESIGNATION (cont'd)**

0967	134021	2005-05-01	BASAL BELLY RIVER U
0967	134022	2014-11-01	BASAL BELLY RIVER V
0967	134023	2005-05-01	BASAL BELLY RIVER W
0967	134024	2010-04-01	BASAL BELLY RIVER X
0967	134025	2007-04-01	BASAL BELLY RIVER Y
0967	134026	2012-04-01	BASAL BELLY RIVER Z
0967	134027	2005-05-01	BASAL BELLY RIVER AA
0967	134028	2005-05-01	BASAL BELLY RIVER BB
0967	134029	2010-04-01	BASAL BELLY RIVER CC
0967	134030	2005-05-01	BASAL BELLY RIVER DD
0967	134031	2005-05-01	BASAL BELLY RIVER EE
0967	134032	2010-08-01	BASAL BELLY RIVER FF
0967	134033	2005-05-01	BASAL BELLY RIVER GG
0967	134034	2005-05-01	BASAL BELLY RIVER HH
0967	134035	2008-07-01	BASAL BELLY RIVER II
0967	134036	2005-05-01	BASAL BELLY RIVER JJ
0967	134037	2010-04-01	BASAL BELLY RIVER KK
0967	134038	2005-05-01	BASAL BELLY RIVER LL
0967	134039	2005-05-01	BASAL BELLY RIVER MM
0967	134040	2005-05-01	BASAL BELLY RIVER NN
0967	134041	2012-04-01	BASAL BELLY RIVER OO
0967	134042	2005-05-01	BASAL BELLY RIVER PP
0967	134043	2005-05-01	BASAL BELLY RIVER QQ
0967	134044	2005-05-01	BASAL BELLY RIVER RR
0967	134045	2010-04-01	BASAL BELLY RIVER SS
0967	134046	2005-05-01	BASAL BELLY RIVER TT
0967	134047	2005-05-01	BASAL BELLY RIVER UU
0967	134048	2005-05-01	BASAL BELLY RIVER VV
0967	134049	2005-05-01	BASAL BELLY RIVER WW
0967	134050	2013-08-01	BASAL BELLY RIVER XX
0967	134051	2005-05-01	BASAL BELLY RIVER YY
0967	134052	2005-05-01	BASAL BELLY RIVER ZZ
0967	134101	2005-05-01	BASAL BELLY RIVER AAA
0967	134103	2006-05-01	BASAL BELLY RIVER CCC
0967	134104	2006-06-01	BASAL BELLY RIVER DDD
0967	134105	2006-10-01	BASAL BELLY RIVER EEE
0967	134106	2007-12-01	BASAL BELLY RIVER FFF
0967	134107	2008-11-01	BASAL BELLY RIVER GGG

**POOL DESIGNATION (cont'd)**

0967 134108 2009-08-01	BASAL BELLY RIVER HHH
0967 134109 2010-04-01	BASAL BELLY RIVER III
0967 134110 2011-06-01	BASAL BELLY RIVER JJJ
0967 176001 2018-10-01	CARDIUM A
0967 176004 2013-03-01	CARDIUM D
0967 176008 2014-08-01	CARDIUM H
0967 176009 2001-02-01	CARDIUM I
0967 176012 2001-02-01	CARDIUM L
0967 176013 2001-02-01	CARDIUM M
0967 176014 2001-02-01	CARDIUM N
0967 176015 2001-02-01	CARDIUM O
0967 176016 2002-05-01	CARDIUM P
0967 176019 2001-02-01	CARDIUM S
0967 176020 2001-02-01	CARDIUM T
0967 176021 2010-04-01	CARDIUM U
0967 176022 2001-03-01	CARDIUM V
0967 176024 2010-06-01	CARDIUM X
0967 176025 2007-07-01	CARDIUM Y
0967 176027 2005-03-01	CARDIUM AA
0967 176028 2005-04-01	CARDIUM BB
0967 176030 2006-03-01	CARDIUM DD
0967 176032 2008-03-01	CARDIUM FF
0967 176034 2009-04-01	CARDIUM HH
0967 176036 2009-08-01	CARDIUM JJ
0967 176037 2010-10-01	CARDIUM KK
0967 176038 2011-12-01	CARDIUM LL
0967 176039 2011-06-01	CARDIUM MM
0967 176040 2011-06-01	CARDIUM NN
0967 176041 2012-11-01	CARDIUM OO
0967 176042 2017-11-01	CARDIUM PP
0967 176043 2014-03-01	CARDIUM QQ
0967 176044 2013-10-01	CARDIUM RR
0967 176045 2014-08-01	CARDIUM SS
0967 176046 2014-11-01	CARDIUM TT
0967 176047 2014-12-01	CARDIUM UU
0967 176048 2016-09-01	CARDIUM VV

**POOL DESIGNATION (cont'd)**

0967 186001 2001-02-01	SECOND WHITE SPECKS A
0967 186002 2001-02-01	SECOND WHITE SPECKS B
0967 186004 2015-02-01	SECOND WHITE SPECKS D
0967 186005 2014-06-01	SECOND WHITE SPECKS E
0967 186006 2010-04-01	SECOND WHITE SPECKS F
0967 186007 2013-02-01	SECOND WHITE SPECKS G
0967 186008 2001-02-01	SECOND WHITE SPECKS H
0967 186009 2010-04-01	SECOND WHITE SPECKS I
0967 186012 2010-04-01	SECOND WHITE SPECKS L
0967 186013 2001-02-01	SECOND WHITE SPECKS M
0967 186014 2004-10-01	SECOND WHITE SPECKS N
0967 186015 2001-05-01	SECOND WHITE SPECKS O
0967 186016 2010-05-01	SECOND WHITE SPECKS P
0967 186017 2001-02-01	SECOND WHITE SPECKS Q
0967 186018 2001-02-01	SECOND WHITE SPECKS R
0967 186019 2001-02-01	SECOND WHITE SPECKS S
0967 186020 2012-11-01	SECOND WHITE SPECKS T
0967 186021 2001-08-01	SECOND WHITE SPECKS U
0967 186022 2003-05-01	SECOND WHITE SPECKS V
0967 186023 2005-04-01	SECOND WHITE SPECKS W
0967 186024 2010-04-01	SECOND WHITE SPECKS X
0967 186025 2010-03-01	SECOND WHITE SPECKS Y
0967 186026 2008-01-01	SECOND WHITE SPECKS Z
0967 186027 2008-03-01	SECOND WHITE SPCKS AA
0967 186028 2009-09-01	SECOND WHITE SPCKS BB
0967 186029 2010-04-01	SECOND WHITE SPCKS CC
0967 186030 2012-01-01	SECOND WHITE SPCKS DD
0967 186031 2012-04-01	SECOND WHITE SPCKS EE
0967 186032 2013-08-01	SECOND WHITE SPCKS FF
0967 218001 2010-04-01	VIKING A
0967 218002 2010-04-01	VIKING B
0967 218007 2015-02-01	VIKING G
0967 218008 2010-04-01	VIKING H
0967 218012 2001-02-01	VIKING L
0967 218013 2010-04-01	VIKING M
0967 218017 2001-02-01	VIKING Q

**POOL DESIGNATION (cont'd)**

0967 218018 2010-04-01	VIKING R
0967 218019 2001-02-01	VIKING S
0967 218020 2001-02-01	VIKING T
0967 218022 2001-02-01	VIKING V
0967 218023 2001-02-01	VIKING W
0967 218025 2008-03-01	VIKING Y
0967 218026 2010-04-01	VIKING Z
0967 218030 2001-02-01	VIKING DD
0967 218031 2001-02-01	VIKING EE
0967 218032 2001-02-01	VIKING FF
0967 218033 2001-02-01	VIKING GG
0967 218034 2001-02-01	VIKING HH
0967 218035 2001-02-01	VIKING II
0967 218036 2010-04-01	VIKING JJ
0967 218037 2013-02-01	VIKING KK
0967 218038 2001-02-01	VIKING LL
0967 218040 2001-11-01	VIKING NN
0967 218041 2003-04-01	VIKING OO
0967 218042 2010-04-01	VIKING PP
0967 218043 2005-02-01	VIKING QQ
0967 218044 2010-04-01	VIKING RR
0967 218045 2017-08-01	VIKING SS
0967 218046 2006-11-01	VIKING TT
0967 218047 2006-08-01	VIKING UU
0967 218048 2006-09-01	VIKING VV
0967 218049 2009-02-01	VIKING WW
0967 218050 2008-10-01	VIKING XX
0967 218051 2008-10-01	VIKING YY
0967 218052 2009-01-01	VIKING ZZ
0967 220401 2009-10-01	VIKING AAA
0967 220402 2009-10-01	VIKING BBB
0967 220403 2009-10-01	VIKING CCC
0967 220404 2009-10-01	VIKING DDD
0967 220405 2010-04-01	VIKING EEE
0967 220407 2010-04-01	VIKING GGG
0967 220408 2012-11-01	VIKING HHH
0967 220409 2013-07-01	VIKING III
0967 220410 2015-02-01	VIKING JJJ

**POOL DESIGNATION (cont'd)**

0967 250001	2010-04-01	UPPER MANNVILLE A
0967 250002	2010-04-01	UPPER MANNVILLE B
0967 250004	2013-09-01	UPPER MANNVILLE D
0967 250005	2007-11-01	UPPER MANNVILLE E
0967 250006	2007-12-01	UPPER MANNVILLE F
0967 250008	2007-12-01	UPPER MANNVILLE H
0967 250009	2015-10-01	UPPER MANNVILLE I
0967 250011	2010-04-01	UPPER MANNVILLE K
0967 250012	2008-05-01	UPPER MANNVILLE L
0967 250014	2011-05-01	UPPER MANNVILLE N
0967 250015	2010-04-01	UPPER MANNVILLE O
0967 250016	2011-11-01	UPPER MANNVILLE P
0967 250017	2012-11-01	UPPER MANNVILLE Q
0967 250018	2009-03-01	UPPER MANNVILLE R
0967 250019	2018-04-01	UPPER MANNVILLE S
0967 250020	2010-04-01	UPPER MANNVILLE T
0967 250021	2010-01-01	UPPER MANNVILLE U
0967 250022	2012-10-01	UPPER MANNVILLE V
0967 250023	2010-04-01	UPPER MANNVILLE W
0967 250024	2010-10-01	UPPER MANNVILLE X
0967 250029	2011-06-01	UPPER MANNVILLE CC
0967 250030	2011-09-01	UPPER MANNVILLE DD
0967 250032	2011-11-01	UPPER MANNVILLE FF
0967 250033	2012-01-01	UPPER MANNVILLE GG
0967 250034	2012-05-01	UPPER MANNVILLE HH
0967 250035	2012-11-01	UPPER MANNVILLE II
0967 250036	2013-09-01	UPPER MANNVILLE JJ
0967 250037	2013-09-01	UPPER MANNVILLE KK
0967 250038	2015-11-01	UPPER MANNVILLE LL
0967 250039	2015-11-01	UPPER MANNVILLE MM
0967 250040	2016-01-01	UPPER MANNVILLE NN
0967 300001	2015-03-01	GLAUCONITIC A
0967 300002	2001-02-01	GLAUCONITIC B
0967 300003	2013-08-01	GLAUCONITIC C
0967 300004	2015-12-01	GLAUCONITIC D
0967 300005	2001-02-01	GLAUCONITIC E
0967 300006	2014-05-01	GLAUCONITIC F

**POOL DESIGNATION (cont'd)**

0967 300010 2010-04-01	GLAUCONITIC J
0967 300013 2015-12-01	GLAUCONITIC M
0967 300014 2012-05-01	GLAUCONITIC N
0967 300016 2010-12-01	GLAUCONITIC P
0967 300018 2004-06-01	GLAUCONITIC R
0967 300023 2005-07-01	GLAUCONITIC W
0967 300024 2010-04-01	GLAUCONITIC X
0967 300025 2006-03-01	GLAUCONITIC Y
0967 300026 2008-02-01	GLAUCONITIC Z
0967 300028 2010-04-01	GLAUCONITIC BB
0967 300031 2007-04-01	GLAUCONITIC EE
0967 300033 2010-04-01	GLAUCONITIC GG
0967 300034 2007-11-01	GLAUCONITIC HH
0967 300036 2007-12-01	GLAUCONITIC JJ
0967 300037 2009-05-01	GLAUCONITIC KK
0967 300045 2012-07-01	GLAUCONITIC SS
0967 300046 2009-03-01	GLAUCONITIC TT
0967 300047 2010-04-01	GLAUCONITIC UU
0967 300048 2010-04-01	GLAUCONITIC VV
0967 300051 2010-04-01	GLAUCONITIC YY
0967 300901 2012-05-01	GLAUCONITIC AAA
0967 300902 2011-01-01	GLAUCONITIC BBB
0967 300903 2010-01-01	GLAUCONITIC CCC
0967 300905 2010-12-01	GLAUCONITIC EEE
0967 300906 2010-12-01	GLAUCONITIC FFF
0967 300909 2012-10-01	GLAUCONITIC III
0967 300911 2012-05-01	GLAUCONITIC KKK
0967 300912 2012-11-01	GLAUCONITIC LLL
0967 300913 2012-11-01	GLAUCONITIC MMM
0967 300914 2013-03-01	GLAUCONITIC NNN
0967 300915 2013-07-01	GLAUCONITIC OOO
0967 300916 2013-09-01	GLAUCONITIC PPP
0967 300917 2013-09-01	GLAUCONITIC QQQ
0967 300918 2014-08-01	GLAUCONITIC RRR
0967 300919 2018-09-01	GLAUCONITIC SSS
0967 310001 2010-04-01	LOWER MANNVILLE A
0967 310003 2006-04-01	LOWER MANNVILLE C

**POOL DESIGNATION (cont'd)**

0967 310004 2010-04-01	LOWER MANNVILLE D
0967 310005 2009-07-01	LOWER MANNVILLE E
0967 310007 2010-04-01	LOWER MANNVILLE G
0967 310008 2011-04-01	LOWER MANNVILLE H
0967 316001 2010-04-01	OSTRACOD A
0967 316002 2004-11-01	OSTRACOD B
0967 316003 2001-02-01	OSTRACOD C
0967 316004 2010-04-01	OSTRACOD D
0967 316005 2009-04-01	OSTRACOD E
0967 316006 2001-02-01	OSTRACOD F
0967 316008 2010-08-01	OSTRACOD H
0967 316010 2009-04-01	OSTRACOD J
0967 316011 2001-02-01	OSTRACOD K
0967 316012 2012-03-01	OSTRACOD L
0967 316013 2002-02-01	OSTRACOD M
0967 316014 2002-02-01	OSTRACOD N
0967 316015 2002-04-01	OSTRACOD O
0967 316016 2005-09-01	OSTRACOD P
0967 316017 2010-04-01	OSTRACOD Q
0967 316018 2005-10-01	OSTRACOD R
0967 316020 2006-09-01	OSTRACOD T
0967 316021 2007-04-01	OSTRACOD U
0967 316022 2010-04-01	OSTRACOD V
0967 316023 2007-12-01	OSTRACOD W
0967 316025 2014-02-01	OSTRACOD Y
0967 316026 2010-04-01	OSTRACOD Z
0967 316028 2010-04-01	OSTRACOD BB
0967 316029 2011-04-01	OSTRACOD CC
0967 316030 2012-07-01	OSTRACOD DD
0967 316031 2013-04-01	OSTRACOD EE
0967 316032 2015-08-01	OSTRACOD FF
0967 320001 2013-07-01	BASAL MANNVILLE A
0967 336002 2001-02-01	ELLERSLIE B
0967 336004 2001-02-01	ELLERSLIE D
0967 336005 2001-02-01	ELLERSLIE E

**POOL DESIGNATION (cont'd)**

0967 336006 2001-02-01	ELLERSLIE F
0967 336007 2013-06-01	ELLERSLIE G
0967 336008 2010-04-01	ELLERSLIE H
0967 336009 2009-06-01	ELLERSLIE I
0967 336011 2001-02-01	ELLERSLIE K
0967 336012 2013-08-01	ELLERSLIE L
0967 336014 2010-04-01	ELLERSLIE N
0967 336016 2001-04-01	ELLERSLIE P
0967 336017 2010-04-01	ELLERSLIE Q
0967 336019 2001-02-01	ELLERSLIE S
0967 336020 2010-04-01	ELLERSLIE T
0967 336022 2013-05-01	ELLERSLIE V
0967 336023 2004-06-01	ELLERSLIE W
0967 336024 2001-06-01	ELLERSLIE X
0967 336026 2001-12-01	ELLERSLIE Z
0967 336027 2010-04-01	ELLERSLIE AA
0967 336028 2002-05-01	ELLERSLIE BB
0967 336029 2002-06-01	ELLERSLIE CC
0967 336031 2003-04-01	ELLERSLIE EE
0967 336032 2003-12-01	ELLERSLIE FF
0967 336033 2010-04-01	ELLERSLIE GG
0967 336035 2009-01-01	ELLERSLIE II
0967 336036 2004-06-01	ELLERSLIE JJ
0967 336037 2004-06-01	ELLERSLIE KK
0967 336038 2005-09-01	ELLERSLIE LL
0967 336039 2010-04-01	ELLERSLIE MM
0967 336040 2010-06-01	ELLERSLIE NN
0967 336041 2005-07-01	ELLERSLIE OO
0967 336042 2010-04-01	ELLERSLIE PP
0967 336043 2012-11-01	ELLERSLIE QQ
0967 336044 2006-05-01	ELLERSLIE RR
0967 336045 2006-05-01	ELLERSLIE SS
0967 336046 2010-04-01	ELLERSLIE TT
0967 336047 2010-04-01	ELLERSLIE UU
0967 336048 2010-04-01	ELLERSLIE VV
0967 336049 2010-04-01	ELLERSLIE WW
0967 336050 2007-02-01	ELLERSLIE XX
0967 336051 2010-04-01	ELLERSLIE YY



**POOL DESIGNATION (cont'd)**

0967 336501	2012-05-01	ELLERSLIE AAA
0967 336502	2010-04-01	ELLERSLIE BBB
0967 336503	2007-01-01	ELLERSLIE CCC
0967 336504	2007-01-01	ELLERSLIE DDD
0967 336505	2007-01-01	ELLERSLIE EEE
0967 336506	2007-03-01	ELLERSLIE FFF
0967 336507	2010-04-01	ELLERSLIE GGG
0967 336509	2007-12-01	ELLERSLIE III
0967 336511	2012-05-01	ELLERSLIE KKK
0967 336512	2010-04-01	ELLERSLIE LLL
0967 336514	2010-04-01	ELLERSLIE NNN
0967 336516	2008-03-01	ELLERSLIE PPP
0967 336517	2008-09-01	ELLERSLIE QQQ
0967 336518	2010-04-01	ELLERSLIE RRR
0967 336520	2008-11-01	ELLERSLIE TTT
0967 336521	2008-12-01	ELLERSLIE UUU
0967 336523	2014-06-01	ELLERSLIE WWW
0967 336524	2010-04-01	ELLERSLIE XXX
0967 336527	2009-05-01	ELLERSLIE A2A
0967 336529	2009-06-01	ELLERSLIE C2C
0967 336530	2009-06-01	ELLERSLIE D2D
0967 336531	2009-09-01	ELLERSLIE E2E
0967 336532	2009-08-01	ELLERSLIE F2F
0967 336533	2009-08-01	ELLERSLIE G2G
0967 336534	2009-09-01	ELLERSLIE H2H
0967 336535	2009-09-01	ELLERSLIE I2I
0967 336536	2009-09-01	ELLERSLIE J2J
0967 336537	2009-10-01	ELLERSLIE K2K
0967 336538	2011-05-01	ELLERSLIE L2L
0967 336539	2011-05-01	ELLERSLIE M2M
0967 336540	2010-04-01	ELLERSLIE N2N
0967 336541	2010-05-01	ELLERSLIE O2O
0967 336542	2010-12-01	ELLERSLIE P2P
0967 336543	2011-05-01	ELLERSLIE Q2Q
0967 336544	2015-03-01	ELLERSLIE R2R
0967 336545	2012-04-01	ELLERSLIE S2S
0967 336546	2013-04-01	ELLERSLIE T2T
0967 336547	2013-07-01	ELLERSLIE U2U

**POOL DESIGNATION (cont'd)**

0967 336548 2013-07-01	ELLERSLIE V2V
0967 336549 2013-07-01	ELLERSLIE W2W
0967 336550 2013-08-01	ELLERSLIE X2X
0967 336551 2013-08-01	ELLERSLIE Y2Y
0967 336552 2013-09-01	ELLERSLIE Z2Z
0967 432001 2011-09-01	ROCK CREEK A
0967 432002 2001-02-01	ROCK CREEK B
0967 432003 2001-02-01	ROCK CREEK C
0967 432005 2010-04-01	ROCK CREEK E
0967 432006 2007-10-01	ROCK CREEK F
0967 432007 2002-02-01	ROCK CREEK G
0967 432009 2011-04-01	ROCK CREEK I
0967 432010 2009-10-01	ROCK CREEK J
0967 432011 2013-07-01	ROCK CREEK K
0967 432012 2001-02-01	ROCK CREEK L
0967 432014 2001-06-01	ROCK CREEK N
0967 432016 2001-02-01	ROCK CREEK P
0967 432018 2010-04-01	ROCK CREEK R
0967 432021 2012-10-01	ROCK CREEK U
0967 432022 2001-02-01	ROCK CREEK V
0967 432023 2001-02-01	ROCK CREEK W
0967 432024 2013-07-01	ROCK CREEK X
0967 432025 2010-04-01	ROCK CREEK Y
0967 432026 2001-02-01	ROCK CREEK Z
0967 432027 2010-11-01	ROCK CREEK AA
0967 432028 2001-03-01	ROCK CREEK BB
0967 432029 2001-03-01	ROCK CREEK CC
0967 432030 2010-04-01	ROCK CREEK DD
0967 432031 2007-06-01	ROCK CREEK EE
0967 432032 2014-11-01	ROCK CREEK FF
0967 432033 2008-05-01	ROCK CREEK GG
0967 432034 2010-04-01	ROCK CREEK HH
0967 432035 2012-03-01	ROCK CREEK II
0967 432038 2002-06-01	ROCK CREEK LL
0967 432039 2006-05-01	ROCK CREEK MM
0967 432040 2003-05-01	ROCK CREEK NN
0967 432042 2010-09-01	ROCK CREEK PP

**POOL DESIGNATION (cont'd)**

0967 432043 2008-04-01	ROCK CREEK QQ
0967 432045 2010-08-01	ROCK CREEK SS
0967 432046 2009-01-01	ROCK CREEK TT
0967 432047 2007-08-01	ROCK CREEK UU
0967 432048 2004-05-01	ROCK CREEK VV
0967 432049 2010-04-01	ROCK CREEK WW
0967 432050 2004-09-01	ROCK CREEK XX
0967 432052 2005-02-01	ROCK CREEK ZZ
0967 432501 2005-07-01	ROCK CREEK AAA
0967 432504 2012-11-01	ROCK CREEK DDD
0967 432505 2005-05-01	ROCK CREEK EEE
0967 432506 2010-04-01	ROCK CREEK FFF
0967 432507 2012-05-01	ROCK CREEK GGG
0967 432509 2013-03-01	ROCK CREEK III
0967 432510 2005-12-01	ROCK CREEK JJJ
0967 432511 2005-06-01	ROCK CREEK KKK
0967 432512 2005-06-01	ROCK CREEK LLL
0967 432513 2005-06-01	ROCK CREEK MMM
0967 432514 2005-06-01	ROCK CREEK NNN
0967 432515 2010-11-01	ROCK CREEK OOO
0967 432516 2006-01-01	ROCK CREEK PPP
0967 432517 2005-07-01	ROCK CREEK QQQ
0967 432518 2005-07-01	ROCK CREEK RRR
0967 432519 2005-08-01	ROCK CREEK SSS
0967 432520 2012-05-01	ROCK CREEK TTT
0967 432523 2010-04-01	ROCK CREEK WWW
0967 432524 2005-08-01	ROCK CREEK XXX
0967 432525 2012-04-01	ROCK CREEK YYY
0967 432526 2012-05-01	ROCK CREEK ZZZ
0967 432527 2005-10-01	ROCK CREEK A2A
0967 432530 2010-04-01	ROCK CREEK D2D
0967 432531 2013-07-01	ROCK CREEK E2E
0967 432532 2006-02-01	ROCK CREEK F2F
0967 432533 2006-01-01	ROCK CREEK G2G
0967 432535 2006-03-01	ROCK CREEK I2I
0967 432536 2012-04-01	ROCK CREEK J2J
0967 432537 2010-04-01	ROCK CREEK K2K
0967 432538 2006-04-01	ROCK CREEK L2L

**POOL DESIGNATION (cont'd)**

0967 432539 2006-05-01	ROCK CREEK M2M
0967 432540 2006-06-01	ROCK CREEK N2N
0967 432541 2006-06-01	ROCK CREEK O2O
0967 432545 2007-02-01	ROCK CREEK S2S
0967 432546 2010-05-01	ROCK CREEK T2T
0967 432548 2011-04-01	ROCK CREEK V2V
0967 432551 2010-04-01	ROCK CREEK Y2Y
0967 432601 2011-09-01	ROCK CREEK A3A
0967 432602 2007-02-01	ROCK CREEK B3B
0967 432604 2007-03-01	ROCK CREEK D3D
0967 432611 2007-08-01	ROCK CREEK K3K
0967 432612 2009-02-01	ROCK CREEK L3L
0967 432613 2008-03-01	ROCK CREEK M3M
0967 432614 2007-09-01	ROCK CREEK N3N
0967 432618 2010-04-01	ROCK CREEK R3R
0967 432619 2010-04-01	ROCK CREEK S3S
0967 432620 2011-10-01	ROCK CREEK T3T
0967 432621 2007-11-01	ROCK CREEK U3U
0967 432622 2007-12-01	ROCK CREEK V3V
0967 432625 2012-04-01	ROCK CREEK Y3Y
0967 432626 2010-04-01	ROCK CREEK Z3Z
0967 432629 2013-01-01	ROCK CREEK C4C
0967 432630 2009-07-01	ROCK CREEK D4D
0967 432632 2008-03-01	ROCK CREEK F4F
0967 432633 2008-05-01	ROCK CREEK G4G
0967 432634 2008-05-01	ROCK CREEK H4H
0967 432636 2008-12-01	ROCK CREEK J4J
0967 432637 2008-10-01	ROCK CREEK K4K
0967 432642 2010-04-01	ROCK CREEK P4P
0967 432643 2009-01-01	ROCK CREEK Q4Q
0967 432645 2009-01-01	ROCK CREEK S4S
0967 432647 2008-11-01	ROCK CREEK U4U
0967 432649 2010-04-01	ROCK CREEK W4W
0967 432651 2008-11-01	ROCK CREEK Y4Y
0967 432652 2008-12-01	ROCK CREEK Z4Z
0967 432702 2009-01-01	ROCK CREEK B5B
0967 432703 2010-09-01	ROCK CREEK C5C
0967 432705 2009-04-01	ROCK CREEK E5E

**POOL DESIGNATION (cont'd)**

0967 432708 2009-10-01	ROCK CREEK H5H
0967 432709 2010-11-01	ROCK CREEK I5I
0967 432710 2009-02-01	ROCK CREEK J5J
0967 432713 2010-04-01	ROCK CREEK M5M
0967 432714 2010-04-01	ROCK CREEK N5N
0967 432715 2009-06-01	ROCK CREEK O5O
0967 432717 2009-07-01	ROCK CREEK Q5Q
0967 432718 2009-08-01	ROCK CREEK R5R
0967 432720 2009-08-01	ROCK CREEK T5T
0967 432721 2009-08-01	ROCK CREEK U5U
0967 432722 2010-05-01	ROCK CREEK V5V
0967 432724 2010-08-01	ROCK CREEK X5X
0967 432726 2009-12-01	ROCK CREEK Z5Z
0967 432727 2010-01-01	ROCK CREEK A6A
0967 432729 2010-01-01	ROCK CREEK C6C
0967 432732 2010-11-01	ROCK CREEK F6F
0967 432733 2010-05-01	ROCK CREEK G6G
0967 432735 2010-06-01	ROCK CREEK I6I
0967 432737 2010-12-01	ROCK CREEK K6K
0967 432739 2011-06-01	ROCK CREEK M6M
0967 432741 2011-12-01	ROCK CREEK O6O
0967 432742 2012-01-01	ROCK CREEK P6P
0967 432743 2015-03-01	ROCK CREEK Q6Q
0967 432744 2012-04-01	ROCK CREEK R6R
0967 432745 2012-05-01	ROCK CREEK S6S
0967 432746 2012-06-01	ROCK CREEK T6T
0967 432747 2012-07-01	ROCK CREEK U6U
0967 432748 2012-10-01	ROCK CREEK V6V
0967 432749 2012-08-01	ROCK CREEK W6W
0967 432750 2013-02-01	ROCK CREEK X6X
0967 432751 2013-04-01	ROCK CREEK Y6Y
0967 432752 2013-07-01	ROCK CREEK Z6Z
0967 432801 2013-07-01	ROCK CREEK A7A
0967 432802 2013-07-01	ROCK CREEK B7B
0967 432803 2013-07-01	ROCK CREEK C7C
0967 432804 2013-09-01	ROCK CREEK D7D
0967 432805 2013-11-01	ROCK CREEK E7E

**POOL DESIGNATION (cont'd)**

0967 444001	2009-10-01	NORDEGG A
0967 444002	2001-02-01	NORDEGG B
0967 444003	2009-09-01	NORDEGG C
0967 444004	2002-07-01	NORDEGG D
0967 444006	2010-02-01	NORDEGG F
0967 444007	2004-01-01	NORDEGG G
0967 444009	2004-11-01	NORDEGG I
0967 444010	2008-09-01	NORDEGG J
0967 444011	2010-04-01	NORDEGG K
0967 444014	2009-09-01	NORDEGG N
0967 444015	2007-06-01	NORDEGG O
0967 444016	2010-04-01	NORDEGG P
0967 444017	2010-04-01	NORDEGG Q
0967 444018	2007-11-01	NORDEGG R
0967 444019	2007-11-01	NORDEGG S
0967 444020	2008-11-01	NORDEGG T
0967 444021	2010-04-01	NORDEGG U
0967 444022	2010-04-01	NORDEGG V
0967 444023	2010-03-01	NORDEGG W
0967 444024	2011-08-01	NORDEGG X
0967 444025	2012-06-01	NORDEGG Y
0967 444026	2012-10-01	NORDEGG Z
0967 444027	2013-03-01	NORDEGG AA
0967 444028	2015-03-01	NORDEGG BB
0967 640001	2010-04-01	SHUNDA A
0967 640002	2001-02-01	SHUNDA B
0967 642001	2010-04-01	PEKISKO A
0967 642002	2010-04-01	PEKISKO B
0967 642003	2002-05-01	PEKISKO C
0967 642004	2004-11-01	PEKISKO D
0967 642005	2013-07-01	PEKISKO E
0967 644001	2010-04-01	BANFF A
0967 644004	2001-08-01	BANFF D
0967 644005	2001-08-01	BANFF E

**POOL DESIGNATION (cont'd)**

0967 696001 2001-11-01 NISKU A

0967 728001 2012-10-01 DUVERNAY A  
 0967 728002 2013-11-01 DUVERNAY B  
 0967 728003 2016-03-01 DUVERNAY C  
 0967 728004 2017-12-01 DUVERNAY D

0967 859900 2017-02-01 MFP8599 UPPER MANN

**SPACING PATTERN**

SU 4230 4 Nov 2004  
 SU 4230A 13 Dec 2004  
 SU 4230B 11 Feb 2005  
 SU 4230C 3 Mar 2005  
 SU 4230D 16 Apr 2005  
 SU 4230E 2 May 2005  
 SU 4230F 5 Aug 2005  
 SU 4230G 25 Aug 2005  
 SU 4230H 26 Oct 2005  
 SU 4230I 12 Jan 2006  
 SU 4230J 8 Feb 2006  
 SU 4230K 24 Mar 2006  
 SU 4230L 4 Apr 2006  
 SU 4230M 18 Apr 2006  
 SU 4230N 30 Jan 2007  
 SU 4230O 30 Mar 2007  
 SU 4230P 24 Sep 2007  
 SU 4230Q 19 Oct 2007

**MISCELLANEOUS ORDERS**

MISC 8803 4 Feb 1988  
 Concurrent production  
 Viking H

**COMMINGLED PRODUCTION**

MU 8722 8 Apr 2015

**ENHANCED RECOVERY SCHEMES**

App 547G 6 Oct 2017  
 Waterflood  
 Cardium A  
 Obsidian Energy Ltd.

App 677K 3 Aug 2018  
 Waterflood  
 Cardium A  
 Prairie Storm Energy Corp.

App 738E 6 Oct 2017  
 Waterflood  
 Cardium A  
 Obsidian Energy Ltd.

App 918K 14 Aug 2018  
 Waterflood  
 Cardium A  
 Prairie Storm Energy Corp.

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

App 950G 19 Nov 2015  
Waterflood  
Cardium A  
Harvest Operations Corp.

App 1004D 13 Dec 2017  
Class II  
Cardium A  
Prairie Storm Energy Corp.

App 2709F 5 July 2014  
Waterflood  
Cardium A  
Bonavista Energy Corporation

App 6506G 6 Oct 2017  
Waterflood  
Cardium A  
Obsidian Energy Ltd.

App 7835E 23 Dec 2016  
Waterflood  
Cardium A  
Entrada Resources Inc.

App 7836E 23 Dec 2016  
Waterflood  
Cardium A  
Entrada Resources Inc.

App 10172E 6 Oct 2017  
Waterflood  
Cardium A  
Obsidian Energy Ltd.

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

App 10809C 6 Oct 2017  
Waterflood  
Cardium A  
Obsidian Energy Ltd.

App 10979C 23 Dec 2016  
Waterflood  
Cardium A  
Entrada Resources Inc.

App 10981C 23 Dec 2016  
Waterflood  
Cardium A  
Entrada Resources Inc.

App 10983C 27 Jun 2014  
Waterflood  
Basal Belly River A  
Bonavista Energy Corporation

App 12137M 7 May 2018  
Waterflood  
Cardium A  
Obsidian Energy Ltd.

App 12367A 23 Dec 2016  
Waterflood  
Cardium A  
Entrada Resources Inc.

**CONCURRENT PRODUCTION**

App 4159 5 Apr 1984

App 4159A 14 Nov 2000  
Belly River H  
Penn West Petroleum Ltd.



**CONCURRENT PRODUCTION (cont'd)**

App 4739      30 Dec 1985  
Viking A  
Sienna Resources Limited

**SUBSURFACE DISPOSAL SCHEMES**

App 12552A   25 Oct 2016  
Class II  
Yangarra Resources Corp.

**COMPULSORY POOLING**

P 147            26 Dec 1996  
Gas  
34-041-05W5M  
Tarragon Oil & Gas Ltd.

P 397            10 Jun 2009  
Gas  
24-040-05W5M  
Poplar Point Energy Inc.

P 398            3 Jul 2009  
Gas  
25-040-05W5M  
Poplar Point Energy Inc.

P 461            31 Jan 2017

P 461A          11 Jul 2018  
Gas  
22-043-09W5M  
Bellatrix Exploration Ltd.

P 466            2 Aug 2018  
Gas  
15-043-09W5M  
Bellatrix Exploration Ltd.

**FIELD DESIGNATION**

0969 2015-07-01 WILLINGDON FIELD

**POOL DESIGNATION**

0969 218002	2001-02-01	VIKING B
0969 218004	2001-02-01	VIKING D
0969 218005	2001-02-01	VIKING E
0969 218007	2004-08-01	VIKING G
0969 218008	2001-02-01	VIKING H
0969 218009	2001-02-01	VIKING I
0969 218010	2001-02-01	VIKING J
0969 218011	2001-02-01	VIKING K
0969 218012	2001-02-01	VIKING L
0969 218013	2010-04-01	VIKING M
0969 218014	2010-06-01	VIKING N
0969 218015	2010-06-01	VIKING O
0969 218016	2011-04-01	VIKING P
0969 218017	2016-03-01	VIKING Q
0969 248002	2010-04-01	MANNVILLE B
0969 248003	2001-02-01	MANNVILLE C
0969 248004	2001-02-01	MANNVILLE D
0969 248005	2010-04-01	MANNVILLE E
0969 248007	2001-02-01	MANNVILLE G
0969 248008	2001-02-01	MANNVILLE H
0969 248009	2001-02-01	MANNVILLE I
0969 248010	2001-02-01	MANNVILLE J
0969 248012	2001-02-01	MANNVILLE L
0969 248013	2001-02-01	MANNVILLE M
0969 248016	2012-04-01	MANNVILLE P
0969 248020	2001-02-01	MANNVILLE T
0969 248021	2001-02-01	MANNVILLE U
0969 248022	2001-02-01	MANNVILLE V
0969 248023	2001-02-01	MANNVILLE W
0969 248026	2001-02-01	MANNVILLE Z
0969 248027	2001-02-01	MANNVILLE AA

**POOL DESIGNATION (cont'd)**

0969 248028 2001-02-01	MANNVILLE BB
0969 248029 2001-02-01	MANNVILLE CC
0969 248032 2001-02-01	MANNVILLE FF
0969 248033 2001-02-01	MANNVILLE GG
0969 248034 2001-02-01	MANNVILLE HH
0969 248035 2001-02-01	MANNVILLE II
0969 248036 2010-04-01	MANNVILLE JJ
0969 248037 2001-02-01	MANNVILLE KK
0969 248038 2001-02-01	MANNVILLE LL
0969 248039 2001-02-01	MANNVILLE MM
0969 248040 2010-04-01	MANNVILLE NN
0969 248042 2001-02-01	MANNVILLE PP
0969 248043 2001-02-01	MANNVILLE QQ
0969 248044 2010-05-01	MANNVILLE RR
0969 248045 2001-02-01	MANNVILLE SS
0969 248046 2010-04-01	MANNVILLE TT
0969 248047 2010-12-01	MANNVILLE UU
0969 248048 2001-02-01	MANNVILLE VV
0969 248049 2001-02-01	MANNVILLE WW
0969 248050 2001-02-01	MANNVILLE XX
0969 248051 2006-08-01	MANNVILLE YY
0969 248052 2001-02-01	MANNVILLE ZZ
0969 248101 2001-02-01	MANNVILLE AAA
0969 248103 2001-02-01	MANNVILLE CCC
0969 248104 2001-02-01	MANNVILLE DDD
0969 248106 2001-02-01	MANNVILLE FFF
0969 248107 2001-02-01	MANNVILLE GGG
0969 248108 2003-05-01	MANNVILLE HHH
0969 248109 2001-02-01	MANNVILLE III
0969 248110 2001-02-01	MANNVILLE JJJ
0969 248111 2001-02-01	MANNVILLE KKK
0969 248112 2001-02-01	MANNVILLE LLL
0969 248113 2005-11-01	MANNVILLE MMM
0969 248114 2001-02-01	MANNVILLE NNN
0969 248115 2001-02-01	MANNVILLE OOO
0969 248116 2001-02-01	MANNVILLE PPP
0969 248117 2006-12-01	MANNVILLE QQQ
0969 248118 2010-04-01	MANNVILLE RRR

**POOL DESIGNATION (cont'd)**

0969 248119	2001-02-01	MANNVILLE SSS
0969 248120	2001-02-01	MANNVILLE TTT
0969 248121	2001-02-01	MANNVILLE UUU
0969 248122	2001-02-01	MANNVILLE VVV
0969 248123	2001-02-01	MANNVILLE WWW
0969 248124	2001-02-01	MANNVILLE XXX
0969 248125	2001-02-01	MANNVILLE YYY
0969 248126	2001-02-01	MANNVILLE ZZZ
0969 248127	2006-08-01	MANNVILLE A2A
0969 248128	2015-02-01	MANNVILLE B2B
0969 248129	2001-02-01	MANNVILLE C2C
0969 248130	2001-02-01	MANNVILLE D2D
0969 248131	2001-02-01	MANNVILLE E2E
0969 248135	2001-02-01	MANNVILLE I2I
0969 248136	2001-02-01	MANNVILLE J2J
0969 248137	2010-04-01	MANNVILLE K2K
0969 248138	2010-04-01	MANNVILLE L2L
0969 248139	2001-02-01	MANNVILLE M2M
0969 248140	2010-04-01	MANNVILLE N2N
0969 248141	2001-03-01	MANNVILLE O2O
0969 248142	2001-03-01	MANNVILLE P2P
0969 248143	2001-03-01	MANNVILLE Q2Q
0969 248144	2001-03-01	MANNVILLE R2R
0969 248145	2001-03-01	MANNVILLE S2S
0969 248146	2015-02-01	MANNVILLE T2T
0969 248147	2001-09-01	MANNVILLE U2U
0969 248148	2001-11-01	MANNVILLE V2V
0969 248149	2010-04-01	MANNVILLE W2W
0969 248150	2004-08-01	MANNVILLE X2X
0969 248151	2003-03-01	MANNVILLE Y2Y
0969 248152	2003-11-01	MANNVILLE Z2Z
0969 248201	2003-12-01	MANNVILLE A3A
0969 248202	2005-02-01	MANNVILLE B3B
0969 248203	2005-02-01	MANNVILLE C3C
0969 248204	2005-10-01	MANNVILLE D3D
0969 248205	2005-08-01	MANNVILLE E3E
0969 248206	2005-08-01	MANNVILLE F3F
0969 248207	2005-09-01	MANNVILLE G3G

**POOL DESIGNATION (cont'd)**

0969 248208 2005-09-01	MANNVILLE H3H
0969 248209 2011-08-01	MANNVILLE I3I
0969 248210 2005-09-01	MANNVILLE J3J
0969 248211 2011-02-01	MANNVILLE K3K
0969 248212 2010-04-01	MANNVILLE L3L
0969 248213 2005-10-01	MANNVILLE M3M
0969 248214 2010-04-01	MANNVILLE N3N
0969 248215 2010-04-01	MANNVILLE O3O
0969 248216 2006-01-01	MANNVILLE P3P
0969 248217 2006-02-01	MANNVILLE Q3Q
0969 248218 2006-03-01	MANNVILLE R3R
0969 248219 2006-04-01	MANNVILLE S3S
0969 248220 2006-04-01	MANNVILLE T3T
0969 248221 2010-04-01	MANNVILLE U3U
0969 248222 2010-04-01	MANNVILLE V3V
0969 248223 2010-04-01	MANNVILLE W3W
0969 248224 2006-06-01	MANNVILLE X3X
0969 248225 2006-07-01	MANNVILLE Y3Y
0969 248226 2006-07-01	MANNVILLE Z3Z
0969 248227 2010-04-01	MANNVILLE A4A
0969 248228 2006-08-01	MANNVILLE B4B
0969 248229 2006-08-01	MANNVILLE C4C
0969 248230 2006-08-01	MANNVILLE D4D
0969 248231 2006-09-01	MANNVILLE E4E
0969 248232 2010-04-01	MANNVILLE F4F
0969 248233 2007-01-01	MANNVILLE G4G
0969 248234 2007-01-01	MANNVILLE H4H
0969 248235 2007-01-01	MANNVILLE I4I
0969 248236 2007-01-01	MANNVILLE J4J
0969 248237 2007-02-01	MANNVILLE K4K
0969 248238 2011-06-01	MANNVILLE L4L
0969 248239 2010-04-01	MANNVILLE M4M
0969 248240 2010-04-01	MANNVILLE N4N
0969 248241 2007-11-01	MANNVILLE O4O
0969 248242 2007-12-01	MANNVILLE P4P
0969 248243 2007-12-01	MANNVILLE Q4Q
0969 248244 2008-01-01	MANNVILLE R4R
0969 248245 2008-01-01	MANNVILLE S4S

**POOL DESIGNATION (cont'd)**

0969 248246 2012-01-01	MANNVILLE T4T
0969 248247 2007-12-01	MANNVILLE U4U
0969 248248 2007-12-01	MANNVILLE V4V
0969 248249 2012-05-01	MANNVILLE W4W
0969 248250 2010-04-01	MANNVILLE X4X
0969 248251 2007-12-01	MANNVILLE Y4Y
0969 248252 2007-12-01	MANNVILLE Z4Z
0969 248301 2007-12-01	MANNVILLE A5A
0969 248302 2007-12-01	MANNVILLE B5B
0969 248303 2007-12-01	MANNVILLE C5C
0969 248304 2007-12-01	MANNVILLE D5D
0969 248305 2007-12-01	MANNVILLE E5E
0969 248306 2007-12-01	MANNVILLE F5F
0969 248307 2007-12-01	MANNVILLE G5G
0969 248308 2007-12-01	MANNVILLE H5H
0969 248309 2007-12-01	MANNVILLE I5I
0969 248310 2007-12-01	MANNVILLE J5J
0969 248311 2007-12-01	MANNVILLE K5K
0969 248312 2007-12-01	MANNVILLE L5L
0969 248313 2008-01-01	MANNVILLE M5M
0969 248314 2008-10-01	MANNVILLE N5N
0969 248315 2008-10-01	MANNVILLE O5O
0969 248316 2008-05-01	MANNVILLE P5P
0969 248317 2008-07-01	MANNVILLE Q5Q
0969 248318 2008-07-01	MANNVILLE R5R
0969 248319 2010-04-01	MANNVILLE S5S
0969 248320 2010-04-01	MANNVILLE T5T
0969 248321 2009-02-01	MANNVILLE U5U
0969 248322 2009-10-01	MANNVILLE V5V
0969 248323 2012-01-01	MANNVILLE W5W
0969 248324 2010-04-01	MANNVILLE X5X
0969 248325 2010-04-01	MANNVILLE Y5Y
0969 248326 2010-04-01	MANNVILLE Z5Z
0969 248327 2009-10-01	MANNVILLE A6A
0969 248328 2009-10-01	MANNVILLE B6B
0969 248329 2010-04-01	MANNVILLE C6C
0969 248330 2011-08-01	MANNVILLE D6D
0969 248331 2010-12-01	MANNVILLE E6E

**POOL DESIGNATION (cont'd)**

0969 248332 2011-02-01 MANNVILLE F6F  
0969 248333 2011-02-01 MANNVILLE G6G  
0969 248334 2011-04-01 MANNVILLE H6H  
0969 248335 2011-06-01 MANNVILLE I6I  
0969 248336 2011-07-01 MANNVILLE J6J  
0969 248337 2011-07-01 MANNVILLE K6K  
0969 248338 2012-02-01 MANNVILLE L6L  
0969 248339 2015-03-01 MANNVILLE M6M  
0969 248340 2015-07-01 MANNVILLE N6N  
0969 248341 2015-07-01 MANNVILLE O6O  
0969 248342 2015-07-01 MANNVILLE P6P  
0969 248343 2015-07-01 MANNVILLE Q6Q  
0969 248344 2015-07-01 MANNVILLE R6R

0969 696001 2001-02-01 D-2 A  
0969 696002 2001-02-01 D-2 B

0969 708001 2001-02-01 CAMROSE A  
0969 708002 2005-09-01 CAMROSE B  
0969 708003 2008-02-01 CAMROSE C  
0969 708004 2015-07-01 CAMROSE D

0969 720001 2010-04-01 D-3 A  
0969 720002 2001-02-01 D-3 B

0969 850800 2015-07-01 MFP8508 VIKING

**SPACING PATTERN**

SU 2748 9 May 1996

**COMMINGLED PRODUCTION**

MU 8742 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  
Lower Mannville GG

**SUBSURFACE DISPOSAL SCHEMES**

App 8785A 14 Jan 2013

Class II

Twoco Petroleum Ltd.



**FIELD DESIGNATION**

0976 2011-01-01 WIMBORNE FIELD

**POOL DESIGNATION**

0976 106001 2006-04-01 EDMONTON A  
0976 106003 2010-04-01 EDMONTON C  
0976 106004 2017-05-01 EDMONTON D

0976 118802 2010-04-01 LOWER EDMONTON B  
0976 118804 2008-01-01 LOWER EDMONTON D  
0976 118806 2010-04-01 LOWER EDMONTON F  
0976 118808 2009-11-01 LOWER EDMONTON H  
0976 118809 2009-11-01 LOWER EDMONTON I  
0976 118810 2009-11-01 LOWER EDMONTON J  
0976 118811 2011-03-01 LOWER EDMONTON K  
0976 118812 2012-05-01 LOWER EDMONTON L  
0976 118813 2011-12-01 LOWER EDMONTON M  
0976 118814 2013-04-01 LOWER EDMONTON N  
0976 118815 2017-05-01 LOWER EDMONTON O  
0976 118816 2013-04-01 LOWER EDMONTON P  
0976 118817 2013-04-01 LOWER EDMONTON Q  
0976 118818 2013-04-01 LOWER EDMONTON R  
0976 118819 2013-04-01 LOWER EDMONTON S  
0976 118820 2013-04-01 LOWER EDMONTON T  
0976 118821 2013-04-01 LOWER EDMONTON U

0976 218001 2006-02-01 VIKING A  
0976 218002 2001-02-01 VIKING B  
0976 218003 2001-02-01 VIKING C  
0976 218004 2007-03-01 VIKING D  
0976 218005 2001-11-01 VIKING E  
0976 218006 2013-07-01 VIKING F

0976 250001 2010-02-01 UPPER MANNVILLE A

0976 300002 2001-02-01 GLAUCONITIC B

**POOL DESIGNATION (cont'd)**

0976 300003	2001-02-01	GLAUCONITIC C
0976 300004	2003-09-01	GLAUCONITIC D
0976 300005	2005-06-01	GLAUCONITIC E
0976 300006	2010-04-01	GLAUCONITIC F
0976 300007	2006-12-01	GLAUCONITIC G
0976 300008	2007-10-01	GLAUCONITIC H
0976 300009	2007-10-01	GLAUCONITIC I
0976 300010	2017-02-01	GLAUCONITIC J

0976 336001	2001-02-01	ELLERSLIE A
0976 336002	2001-02-01	ELLERSLIE B
0976 336003	2010-04-01	ELLERSLIE C
0976 336004	2012-07-01	ELLERSLIE D

0976 642001	2001-02-01	PEKISKO A
0976 642002	2001-02-01	PEKISKO B
0976 642003	2001-02-01	PEKISKO C
0976 642004	2001-02-01	PEKISKO D
0976 642005	2004-08-01	PEKISKO E
0976 642006	2005-10-01	PEKISKO F
0976 642007	2008-11-01	PEKISKO G
0976 642008	2010-03-01	PEKISKO H
0976 642009	2013-07-01	PEKISKO I
0976 642010	2013-11-01	PEKISKO J

0976 658001	2001-06-01	D-1 A
0976 658002	2001-10-01	D-1 B
0976 658003	2007-10-01	D-1 C
0976 658004	2013-07-01	D-1 D

0976 696001	2010-04-01	D-2 A
0976 696002	2011-09-01	D-2 B
0976 696006	2001-07-01	D-2 F
0976 696007	2008-10-01	D-2 G
0976 696008	2015-11-01	D-2 H
0976 696009	2016-01-01	D-2 I

0976 720001	2011-09-01	D-3 A
-------------	------------	-------

**POOL DESIGNATION (cont'd)**

0976 850600 2011-01-01	MFP8506 BELLY RIVER
0976 855900 2017-05-01	MFP8559 LWR EDMONTON
0976 856000 2011-01-01	MFP8560 BSL BELLY RIV
0976 960500 2011-07-01	MFP9605 CBM LARD
0976 960600 2014-05-01	MFP9606 CBM CARB
0976 960700 2014-05-01	MFP9607 CBM UHSC
0976 960800 2014-02-01	MFP9608 CBM WAYN
0976 960900 2014-05-01	MFP9609 CBM RS
0976 961000 2014-05-01	MFP9610 CBM DBSL
0976 961300 2014-02-01	MFP9613 CBM RBSL
0976 961400 2014-05-01	MFP9614 CBM LETH
0976 961500 2011-07-01	MFP9615 CBM TABR
0976 961600 2012-06-01	MFP9616 CBM MCKY

**SPACING PATTERN**

SU 4283	9 Apr 2005
SU 4283A	11 Jun 2005
SU 4283B	28 Jun 2005
SU 4283C	14 Jul 2005
SU 4283D	6 Oct 2005
SU 4283E	5 Dec 2005
SU 4283F	14 Jan 2006
SU 4283G	20 Dec 2006

**COMMINGLED PRODUCTION**

MU 8176 26 Oct 2011

**COMMON  
CARRIER/PURCHASER/PROCESSOR**

MISC 95086 20 Jul 1995  
Common Carrier  
Czar Resources Ltd.

**COMMON  
CARRIER/PURCHASER/PROCESSOR  
(cont'd)**

MISC 95087 20 Jul 1995  
Common Processor  
Czar Resources Ltd.

**GAS ALLOWABLE**

GA 337 3 Apr 1995

**SUBSURFACE DISPOSAL SCHEMES**

App 6871E 30 May 2018  
Class II  
Vantage Point Resources Inc.

App 7549D 30 May 2018  
Class Ib  
Vantage Point Resources Inc.

**COMPULSORY POOLING**

P 378 5 Jan 2009  
Gas  
07-035-26W4M  
Apache Canada Ltd.

**FIELD DESIGNATION**

0986 2012-05-01                      WINAGAMI FIELD

**POOL DESIGNATION**

0986 304001 2012-05-01              BLUESKY A

0986 326001 2001-03-01              GETHING A

0986 326002 2002-07-01              GETHING B

0986 326003 2002-07-01              GETHING C

0986 556001 2008-04-01              BELLOY A

0986 797501 2008-12-01              GRANITE WASH A

**COMMINGLED PRODUCTION**

MU 8355              7 Sep 2012

**FIELD DESIGNATION**

0978 2001-02-01                      WINCHELL COULEE FIELD

**POOL DESIGNATION**

0978 176001 2001-02-01            CARDIUM A  
0978 176002 2001-02-01            CARDIUM B  
0978 176003 2001-02-01            CARDIUM C  
0978 176004 2001-02-01            CARDIUM D  
0978 176005 2002-02-01            CARDIUM E

0978 218001 2005-06-01            VIKING A  
0978 218002 2005-06-01            VIKING B

0978 300001 2001-02-01            GLAUCONITIC A

**SPACING PATTERN**

SU 4050            24 Jan 2003

**FIELD DESIGNATION**

0979 2018-03-01 WINDFALL FIELD

**POOL DESIGNATION**

0979 106001 2013-07-01 EDMONTON A  
0979 106002 2004-12-01 EDMONTON B  
0979 106003 2010-04-01 EDMONTON C  
0979 106004 2006-04-01 EDMONTON D  
0979 106005 2006-09-01 EDMONTON E

0979 118801 2007-01-01 LOWER EDMONTON A  
0979 118802 2007-03-01 LOWER EDMONTON B  
0979 118803 2009-09-01 LOWER EDMONTON C

0979 126001 2001-03-01 BELLY RIVER A  
0979 126002 2001-10-01 BELLY RIVER B  
0979 126003 2005-08-01 BELLY RIVER C  
0979 126004 2008-03-01 BELLY RIVER D  
0979 126005 2010-01-01 BELLY RIVER E

0979 176001 2006-04-01 CARDIUM A

0979 218001 2009-12-01 VIKING A  
0979 218002 2001-02-01 VIKING B  
0979 218003 2001-02-01 VIKING C  
0979 218004 2001-02-01 VIKING D  
0979 218005 2002-09-01 VIKING E  
0979 218007 2010-11-01 VIKING G

0979 250001 2010-04-01 UPPER MANNVILLE A  
0979 250003 2004-01-01 UPPER MANNVILLE C  
0979 250004 2001-02-01 UPPER MANNVILLE D  
0979 250005 2009-08-01 UPPER MANNVILLE E  
0979 250007 2010-12-01 UPPER MANNVILLE G  
0979 250008 2005-03-01 UPPER MANNVILLE H  
0979 250009 2010-04-01 UPPER MANNVILLE I

**POOL DESIGNATION (cont'd)**

0979 250010 2003-05-01	UPPER MANNVILLE J
0979 250011 2013-07-01	UPPER MANNVILLE K
0979 250012 2005-02-01	UPPER MANNVILLE L
0979 250013 2006-10-01	UPPER MANNVILLE M
0979 250014 2010-04-01	UPPER MANNVILLE N
0979 250016 2006-12-01	UPPER MANNVILLE P
0979 250018 2010-04-01	UPPER MANNVILLE R
0979 250019 2008-05-01	UPPER MANNVILLE S
0979 250020 2008-11-01	UPPER MANNVILLE T
0979 250022 2012-01-01	UPPER MANNVILLE V
0979 304001 2014-03-01	BLUESKY A
0979 304002 2004-04-01	BLUESKY B
0979 304003 2005-07-01	BLUESKY C
0979 304004 2006-01-01	BLUESKY D
0979 304005 2006-09-01	BLUESKY E
0979 304006 2011-05-01	BLUESKY F
0979 304007 2008-02-01	BLUESKY G
0979 304008 2010-02-01	BLUESKY H
0979 326002 2001-02-01	GETHING B
0979 326004 2001-02-01	GETHING D
0979 326006 2001-02-01	GETHING F
0979 326007 2001-02-01	GETHING G
0979 326008 2001-02-01	GETHING H
0979 326009 2001-02-01	GETHING I
0979 326010 2010-08-01	GETHING J
0979 326011 2001-02-01	GETHING K
0979 326012 2012-03-01	GETHING L
0979 326013 2001-02-01	GETHING M
0979 326014 2001-02-01	GETHING N
0979 326015 2001-02-01	GETHING O
0979 326016 2009-08-01	GETHING P
0979 326017 2010-04-01	GETHING Q
0979 326018 2005-03-01	GETHING R
0979 326019 2001-02-01	GETHING S
0979 326020 2001-02-01	GETHING T
0979 326021 2001-02-01	GETHING U



**POOL DESIGNATION (cont'd)**

0979 326022	2001-02-01	GETHING V
0979 326023	2001-11-01	GETHING W
0979 326024	2009-08-01	GETHING X
0979 326025	2002-05-01	GETHING Y
0979 326026	2002-09-01	GETHING Z
0979 326027	2002-07-01	GETHING AA
0979 326028	2003-10-01	GETHING BB
0979 326029	2003-09-01	GETHING CC
0979 326030	2003-09-01	GETHING DD
0979 326031	2003-09-01	GETHING EE
0979 326032	2004-04-01	GETHING FF
0979 326033	2011-08-01	GETHING GG
0979 326034	2004-02-01	GETHING HH
0979 326035	2004-10-01	GETHING II
0979 326037	2005-03-01	GETHING KK
0979 326038	2004-12-01	GETHING LL
0979 326039	2010-04-01	GETHING MM
0979 326040	2005-09-01	GETHING NN
0979 326041	2006-11-01	GETHING OO
0979 326042	2006-12-01	GETHING PP
0979 326043	2007-11-01	GETHING QQ
0979 326044	2007-11-01	GETHING RR
0979 326046	2009-11-01	GETHING TT
0979 326047	2012-01-01	GETHING UU
0979 326048	2012-02-01	GETHING VV
0979 326049	2012-02-01	GETHING WW
0979 326050	2013-07-01	GETHING XX
0979 326051	2013-08-01	GETHING YY
0979 432001	2012-02-01	ROCK CREEK A
0979 444001	2001-02-01	NORDEGG A
0979 444002	2008-03-01	NORDEGG B
0979 444003	2007-11-01	NORDEGG C
0979 444004	2009-10-01	NORDEGG D
0979 444005	2009-12-01	NORDEGG E
0979 610001	2001-02-01	RUNDLE A

**POOL DESIGNATION (cont'd)**

0979 610003 2010-04-01	RUNDLE C
0979 610004 2001-02-01	RUNDLE D
0979 610005 2001-02-01	RUNDLE E
0979 610006 2001-02-01	RUNDLE F
0979 610007 2008-06-01	RUNDLE G
0979 638001 2001-02-01	ELKTON A
0979 640001 2008-11-01	SHUNDA A
0979 642001 2001-02-01	PEKISKO A
0979 642002 2001-02-01	PEKISKO B
0979 642003 2001-02-01	PEKISKO C
0979 642004 2001-02-01	PEKISKO D
0979 644001 2010-04-01	BANFF A
0979 670001 2009-11-01	WINTERBURN A
0979 670003 2001-03-01	WINTERBURN C
0979 670004 2001-03-01	WINTERBURN D
0979 696001 2010-04-01	D-2 A
0979 720001 2010-04-01	D-3 A
0979 720002 2010-04-01	D-3 B
0979 720003 2001-02-01	D-3 C
0979 720005 2001-02-01	D-3 E
0979 720006 2001-02-01	D-3 F
0979 720007 2001-02-01	D-3 G
0979 720008 2001-02-01	D-3 H
0979 720009 2010-04-01	D-3 I
0979 720010 2001-02-01	D-3 J
0979 720011 2001-02-01	D-3 K
0979 720012 2001-02-01	D-3 L
0979 720013 2001-09-01	D-3 M
0979 744001 2015-11-01	BEAVERHILL LAKE A

**POOL DESIGNATION (cont'd)**

0979 851700 2011-11-01 MFP8517 GETHING

**SPACING PATTERN**

SU 2576 7 Feb 1996  
SU 2576A 19 Dec 1996  
SU 2576B 9 May 1997  
SU 2576C 9 Dec 1998  
SU 2576D 19 Jan 1999  
SU 2576E 23 Feb 2001  
SU 2576F 22 Jan 2003  
SU 2576G 16 Apr 2005  
SU 2576H 18 Nov 2005  
SU 2576I 28 Sep 2007

**COMMINGLED PRODUCTION**

MU 6542 10 Apr 2007

**GAS CYCLING**

App 5101 1 Dec 1986

App 5101A 4 Oct 1989  
By gas blowdown  
D-3 A  
Amoco Canada Resources Ltd.

**ENHANCED RECOVERY SCHEMES**

App 11707F 24 Aug 2018  
Waterflood  
Bluesky A  
Bashaw Oil Corp.

**ENHANCED RECOVERY SCHEMES &  
CONCURRENT PRODUCTION**

App 2924 11 Sep 1979  
ER by gas injection &  
concurrent production  
Windfall D-3 C  
Petrofina Canada Ltd.

**SUBSURFACE DISPOSAL SCHEMES**

App 9702B 23 Feb 2017  
Class II  
Tidewater Midstream and Infrastructure Ltd.

App 9703B 23 Feb 2017  
Class Ib  
Tidewater Midstream and Infrastructure Ltd.

**FIELD DESIGNATION**

0982 2014-03-01 WINTERING HILLS FIELD

**POOL DESIGNATION**

0982 134002 2005-05-01 BASAL BELLY RIVER B  
0982 134003 2010-08-01 BASAL BELLY RIVER C  
0982 134008 2005-05-01 BASAL BELLY RIVER H  
0982 134014 2017-10-01 BASAL BELLY RIVER N  
0982 134017 2008-05-01 BASAL BELLY RIVER Q  
0982 134020 2010-04-01 BASAL BELLY RIVER T  
0982 134021 2010-03-01 BASAL BELLY RIVER U

0982 160001 2002-02-01 COLORADO A  
0982 160002 2004-12-01 COLORADO B  
0982 160003 2011-12-01 COLORADO C  
0982 160004 2012-02-01 COLORADO D

0982 186008 2005-03-01 SECOND WHITE SPECKS H

0982 202001 2005-03-01 FISH SCALE A  
0982 202002 2011-02-01 FISH SCALE B  
0982 202003 2010-04-01 FISH SCALE C  
0982 202004 2010-04-01 FISH SCALE D  
0982 202005 2009-09-01 FISH SCALE E

0982 213001 2009-09-01 BOW ISLAND A

0982 218001 2010-04-01 VIKING A  
0982 218004 2001-02-01 VIKING D  
0982 218005 2010-04-01 VIKING E  
0982 218006 2010-04-01 VIKING F  
0982 218008 2005-02-01 VIKING H  
0982 218009 2001-02-01 VIKING I  
0982 218010 2006-10-01 VIKING J  
0982 218012 2001-02-01 VIKING L  
0982 218013 2001-02-01 VIKING M

**POOL DESIGNATION (cont'd)**

0982 218016 2001-02-01	VIKING P
0982 218017 2001-02-01	VIKING Q
0982 218018 2001-02-01	VIKING R
0982 218019 2001-02-01	VIKING S
0982 218023 2001-02-01	VIKING W
0982 218024 2001-02-01	VIKING X
0982 218025 2001-02-01	VIKING Y
0982 218026 2001-02-01	VIKING Z
0982 218027 2004-02-01	VIKING AA
0982 218028 2001-03-01	VIKING BB
0982 218029 2001-03-01	VIKING CC
0982 218031 2010-04-01	VIKING EE
0982 218032 2005-09-01	VIKING FF
0982 218033 2010-04-01	VIKING GG
0982 218034 2004-10-01	VIKING HH
0982 218035 2005-05-01	VIKING II
0982 218036 2009-03-01	VIKING JJ
0982 218037 2010-04-01	VIKING KK
0982 218038 2010-04-01	VIKING LL
0982 218039 2010-04-01	VIKING MM
0982 218041 2010-04-01	VIKING OO
0982 218042 2006-03-01	VIKING PP
0982 218043 2010-04-01	VIKING QQ
0982 218046 2010-04-01	VIKING TT
0982 218047 2010-04-01	VIKING UU
0982 218048 2010-04-01	VIKING VV
0982 218049 2006-06-01	VIKING WW
0982 218050 2006-10-01	VIKING XX
0982 218051 2010-04-01	VIKING YY
0982 218052 2010-04-01	VIKING ZZ
0982 220402 2010-04-01	VIKING BBB
0982 220403 2010-04-01	VIKING CCC
0982 220404 2007-12-01	VIKING DDD
0982 220405 2009-05-01	VIKING EEE
0982 220406 2009-10-01	VIKING FFF
0982 220407 2010-04-01	VIKING GGG
0982 220408 2010-04-01	VIKING HHH
0982 220409 2010-03-01	VIKING III

**POOL DESIGNATION (cont'd)**

0982 220410	2010-07-01	VIKING JJJ
0982 220411	2011-05-01	VIKING KKK
0982 220412	2012-07-01	VIKING LLL
0982 220413	2014-02-01	VIKING MMM
0982 220414	2014-02-01	VIKING NNN
0982 242001	2001-02-01	BASAL COLORADO A
0982 250001	2001-02-01	UPPER MANNVILLE A
0982 250002	2010-04-01	UPPER MANNVILLE B
0982 250003	2001-02-01	UPPER MANNVILLE C
0982 250004	2001-02-01	UPPER MANNVILLE D
0982 250006	2001-02-01	UPPER MANNVILLE F
0982 250007	2004-09-01	UPPER MANNVILLE G
0982 250008	2001-02-01	UPPER MANNVILLE H
0982 250009	2010-04-01	UPPER MANNVILLE I
0982 250010	2001-02-01	UPPER MANNVILLE J
0982 250013	2001-02-01	UPPER MANNVILLE M
0982 250014	2004-08-01	UPPER MANNVILLE N
0982 250015	2001-02-01	UPPER MANNVILLE O
0982 250018	2001-02-01	UPPER MANNVILLE R
0982 250019	2001-02-01	UPPER MANNVILLE S
0982 250021	2001-02-01	UPPER MANNVILLE U
0982 250022	2001-02-01	UPPER MANNVILLE V
0982 250023	2001-02-01	UPPER MANNVILLE W
0982 250024	2001-02-01	UPPER MANNVILLE X
0982 250025	2010-04-01	UPPER MANNVILLE Y
0982 250027	2001-03-01	UPPER MANNVILLE AA
0982 250028	2010-06-01	UPPER MANNVILLE BB
0982 250031	2006-11-01	UPPER MANNVILLE EE
0982 250033	2002-05-01	UPPER MANNVILLE GG
0982 250034	2002-07-01	UPPER MANNVILLE HH
0982 250035	2002-07-01	UPPER MANNVILLE II
0982 250036	2002-10-01	UPPER MANNVILLE JJ
0982 250037	2002-10-01	UPPER MANNVILLE KK
0982 250038	2002-11-01	UPPER MANNVILLE LL
0982 250039	2002-12-01	UPPER MANNVILLE MM
0982 250040	2010-03-01	UPPER MANNVILLE NN

**POOL DESIGNATION (cont'd)**

0982 250042 2003-01-01	UPPER MANNVILLE PP
0982 250043 2005-01-01	UPPER MANNVILLE QQ
0982 250045 2003-07-01	UPPER MANNVILLE SS
0982 250046 2003-10-01	UPPER MANNVILLE TT
0982 250047 2003-10-01	UPPER MANNVILLE UU
0982 250048 2003-10-01	UPPER MANNVILLE VV
0982 250050 2004-05-01	UPPER MANNVILLE XX
0982 250704 2005-02-01	UPPER MANNVILLE DDD
0982 250705 2012-01-01	UPPER MANNVILLE EEE
0982 250706 2005-02-01	UPPER MANNVILLE FFF
0982 250707 2005-05-01	UPPER MANNVILLE GGG
0982 250708 2005-05-01	UPPER MANNVILLE HHH
0982 250709 2010-04-01	UPPER MANNVILLE III
0982 250710 2008-04-01	UPPER MANNVILLE JJJ
0982 250711 2010-04-01	UPPER MANNVILLE KKK
0982 250712 2010-04-01	UPPER MANNVILLE LLL
0982 250713 2010-04-01	UPPER MANNVILLE MMM
0982 250714 2006-01-01	UPPER MANNVILLE NNN
0982 250715 2006-01-01	UPPER MANNVILLE OOO
0982 250716 2010-04-01	UPPER MANNVILLE PPP
0982 250717 2006-02-01	UPPER MANNVILLE QQQ
0982 250718 2010-04-01	UPPER MANNVILLE RRR
0982 250719 2013-09-01	UPPER MANNVILLE SSS
0982 250720 2006-04-01	UPPER MANNVILLE TTT
0982 250721 2010-04-01	UPPER MANNVILLE UUU
0982 250722 2006-09-01	UPPER MANNVILLE VVV
0982 250723 2011-02-01	UPPER MANNVILLE WWW
0982 250725 2010-04-01	UPPER MANNVILLE YYY
0982 250726 2010-04-01	UPPER MANNVILLE ZZZ
0982 250727 2010-04-01	UPPER MANNVILLE A2A
0982 250729 2007-11-01	UPPER MANNVILLE C2C
0982 250730 2007-12-01	UPPER MANNVILLE D2D
0982 250733 2008-03-01	UPPER MANNVILLE G2G
0982 250735 2008-06-01	UPPER MANNVILLE I2I
0982 250736 2008-06-01	UPPER MANNVILLE J2J
0982 250737 2010-04-01	UPPER MANNVILLE K2K
0982 250739 2008-12-01	UPPER MANNVILLE M2M
0982 250740 2010-04-01	UPPER MANNVILLE N2N

**POOL DESIGNATION (cont'd)**

0982 250741 2010-04-01	UPPER MANNVILLE O2O
0982 250743 2009-03-01	UPPER MANNVILLE Q2Q
0982 250744 2009-03-01	UPPER MANNVILLE R2R
0982 250745 2009-04-01	UPPER MANNVILLE S2S
0982 250746 2009-04-01	UPPER MANNVILLE T2T
0982 250747 2009-04-01	UPPER MANNVILLE U2U
0982 250748 2009-05-01	UPPER MANNVILLE V2V
0982 250750 2009-07-01	UPPER MANNVILLE X2X
0982 250751 2010-04-01	UPPER MANNVILLE Y2Y
0982 250752 2009-07-01	UPPER MANNVILLE Z2Z
0982 251101 2010-04-01	UPPER MANNVILLE A3A
0982 251102 2010-01-01	UPPER MANNVILLE B3B
0982 251103 2010-04-01	UPPER MANNVILLE C3C
0982 251104 2010-03-01	UPPER MANNVILLE D3D
0982 251105 2010-05-01	UPPER MANNVILLE E3E
0982 251106 2010-09-01	UPPER MANNVILLE F3F
0982 251107 2011-02-01	UPPER MANNVILLE G3G
0982 251108 2011-11-01	UPPER MANNVILLE H3H
0982 251109 2011-12-01	UPPER MANNVILLE I3I
0982 251110 2011-12-01	UPPER MANNVILLE J3J
0982 251111 2012-02-01	UPPER MANNVILLE K3K
0982 251112 2012-04-01	UPPER MANNVILLE L3L
0982 251113 2012-04-01	UPPER MANNVILLE M3M
0982 251114 2012-08-01	UPPER MANNVILLE N3N
0982 251115 2013-04-01	UPPER MANNVILLE O3O
0982 251116 2013-04-01	UPPER MANNVILLE P3P
0982 251117 2013-04-01	UPPER MANNVILLE Q3Q
0982 251118 2013-06-01	UPPER MANNVILLE R3R
0982 251119 2013-06-01	UPPER MANNVILLE S3S
0982 251121 2013-06-01	UPPER MANNVILLE U3U
0982 251122 2013-07-01	UPPER MANNVILLE V3V
0982 251123 2013-10-01	UPPER MANNVILLE W3W
0982 251124 2014-06-01	UPPER MANNVILLE X3X
0982 310001 2011-09-01	LOWER MANNVILLE A
0982 310002 2001-02-01	LOWER MANNVILLE B
0982 310003 2010-05-01	LOWER MANNVILLE C
0982 310004 2001-02-01	LOWER MANNVILLE D



**POOL DESIGNATION (cont'd)**

0982 310009	2001-02-01	LOWER MANNVILLE I
0982 310011	2010-04-01	LOWER MANNVILLE K
0982 310012	2001-02-01	LOWER MANNVILLE L
0982 310014	2001-02-01	LOWER MANNVILLE N
0982 310017	2001-02-01	LOWER MANNVILLE Q
0982 310018	2001-02-01	LOWER MANNVILLE R
0982 310019	2001-02-01	LOWER MANNVILLE S
0982 310020	2014-05-01	LOWER MANNVILLE T
0982 310022	2001-02-01	LOWER MANNVILLE V
0982 310023	2010-04-01	LOWER MANNVILLE W
0982 310025	2001-02-01	LOWER MANNVILLE Y
0982 310027	2004-02-01	LOWER MANNVILLE AA
0982 310028	2001-02-01	LOWER MANNVILLE BB
0982 310030	2010-04-01	LOWER MANNVILLE DD
0982 310031	2001-02-01	LOWER MANNVILLE EE
0982 310032	2010-03-01	LOWER MANNVILLE FF
0982 310033	2010-04-01	LOWER MANNVILLE GG
0982 310034	2012-07-01	LOWER MANNVILLE HH
0982 310035	2010-03-01	LOWER MANNVILLE II
0982 310037	2013-06-01	LOWER MANNVILLE KK
0982 310038	2001-06-01	LOWER MANNVILLE LL
0982 310040	2001-09-01	LOWER MANNVILLE NN
0982 310041	2009-01-01	LOWER MANNVILLE OO
0982 310042	2002-01-01	LOWER MANNVILLE PP
0982 310043	2002-02-01	LOWER MANNVILLE QQ
0982 310044	2002-03-01	LOWER MANNVILLE RR
0982 310045	2010-05-01	LOWER MANNVILLE SS
0982 310046	2014-07-01	LOWER MANNVILLE TT
0982 310047	2002-11-01	LOWER MANNVILLE UU
0982 310048	2003-07-01	LOWER MANNVILLE VV
0982 310049	2002-12-01	LOWER MANNVILLE WW
0982 310050	2002-12-01	LOWER MANNVILLE XX
0982 310051	2003-08-01	LOWER MANNVILLE YY
0982 310052	2003-01-01	LOWER MANNVILLE ZZ
0982 310101	2003-02-01	LOWER MANNVILLE AAA
0982 310102	2003-03-01	LOWER MANNVILLE BBB
0982 310103	2010-04-01	LOWER MANNVILLE CCC
0982 310104	2003-06-01	LOWER MANNVILLE DDD

**POOL DESIGNATION (cont'd)**

0982 310105 2003-06-01	LOWER MANNVILLE EEE
0982 310106 2003-06-01	LOWER MANNVILLE FFF
0982 310107 2010-04-01	LOWER MANNVILLE GGG
0982 310109 2004-05-01	LOWER MANNVILLE III
0982 310110 2004-08-01	LOWER MANNVILLE JJJ
0982 310111 2010-04-01	LOWER MANNVILLE KKK
0982 310112 2010-04-01	LOWER MANNVILLE LLL
0982 310113 2011-02-01	LOWER MANNVILLE MMM
0982 310114 2006-04-01	LOWER MANNVILLE NNN
0982 310115 2010-04-01	LOWER MANNVILLE OOO
0982 310116 2010-04-01	LOWER MANNVILLE PPP
0982 310117 2010-04-01	LOWER MANNVILLE QQQ
0982 310118 2010-04-01	LOWER MANNVILLE RRR
0982 310119 2010-04-01	LOWER MANNVILLE SSS
0982 310120 2010-04-01	LOWER MANNVILLE TTT
0982 310121 2008-06-01	LOWER MANNVILLE UUU
0982 310122 2008-10-01	LOWER MANNVILLE VVV
0982 310123 2010-04-01	LOWER MANNVILLE WWW
0982 310124 2010-05-01	LOWER MANNVILLE XXX
0982 310125 2010-08-01	LOWER MANNVILLE YYY
0982 310126 2011-12-01	LOWER MANNVILLE ZZZ
0982 310127 2012-01-01	LOWER MANNVILLE A2A
0982 310128 2012-01-01	LOWER MANNVILLE B2B
0982 310129 2012-02-01	LOWER MANNVILLE C2C
0982 310130 2012-04-01	LOWER MANNVILLE D2D
0982 310131 2013-04-01	LOWER MANNVILLE E2E
0982 310132 2013-07-01	LOWER MANNVILLE F2F
0982 310133 2013-07-01	LOWER MANNVILLE G2G
0982 336003 2006-04-01	ELLERSLIE C
0982 336004 2006-04-01	ELLERSLIE D
0982 336005 2010-04-01	ELLERSLIE E
0982 336006 2006-04-01	ELLERSLIE F
0982 336007 2010-04-01	ELLERSLIE G
0982 336008 2006-06-01	ELLERSLIE H
0982 336009 2006-11-01	ELLERSLIE I
0982 336010 2007-05-01	ELLERSLIE J
0982 336011 2007-08-01	ELLERSLIE K

**POOL DESIGNATION (cont'd)**

0982 336012 2008-02-01	ELLERSLIE L
0982 336014 2008-03-01	ELLERSLIE N
0982 336015 2010-04-01	ELLERSLIE O
0982 336016 2009-01-01	ELLERSLIE P
0982 336019 2010-01-01	ELLERSLIE S
0982 336020 2010-04-01	ELLERSLIE T
0982 336021 2010-04-01	ELLERSLIE U
0982 336022 2010-08-01	ELLERSLIE V
0982 336023 2011-09-01	ELLERSLIE W
0982 336024 2011-02-01	ELLERSLIE X
0982 336025 2014-11-01	ELLERSLIE Y
0982 336026 2011-11-01	ELLERSLIE Z
0982 336028 2012-03-01	ELLERSLIE BB
0982 336029 2011-10-01	ELLERSLIE CC
0982 336030 2011-11-01	ELLERSLIE DD
0982 336031 2015-03-01	ELLERSLIE EE
0982 336032 2012-02-01	ELLERSLIE FF
0982 336033 2012-04-01	ELLERSLIE GG
0982 336034 2012-05-01	ELLERSLIE HH
0982 336035 2013-10-01	ELLERSLIE II
0982 336036 2013-04-01	ELLERSLIE JJ
0982 336037 2014-07-01	ELLERSLIE KK
0982 336038 2014-09-01	ELLERSLIE LL
0982 350001 2001-03-01	DETRITAL A
0982 350002 2010-04-01	DETRITAL B
0982 350003 2008-07-01	DETRITAL C
0982 350004 2013-07-01	DETRITAL D
0982 610001 2010-04-01	RUNDLE A
0982 642001 2002-01-01	PEKISKO A
0982 642002 2010-04-01	PEKISKO B
0982 850100 2014-03-01	MFP8501 MILK RIVER
0982 850200 2014-03-01	MFP8502 MED HAT

**POOL DESIGNATION (cont'd)**

0982 850500 2017-01-01 MFP8505 2WS  
0982 850600 2014-06-01 MFP8506 BELLY RIVER  
0982 851300 2009-10-01 MFP8513 BOW ISLAND  
0982 851900 2008-07-01 MFP8519 GLAUCONITIC  
0982 852600 2014-03-01 MFP8526 ELLERSLIE  
0982 854300 2011-04-01 MFP8543 BSL BELLY RIV  
0982 854400 2011-12-01 MFP8544 1WS  
0982 856100 2010-06-01 MFP8561 UPPER MANN

**SPACING PATTERN**

SU 4184 17 May 2004  
SU 4184A 23 Jun 2004  
SU 4184B 28 Oct 2004  
SU 4184C 20 Nov 2004  
SU 4184D 15 Dec 2004  
SU 4184E 12 Mar 2005  
SU 4184F 5 Apr 2005  
SU 4184G 21 Sep 2005  
SU 4184H 31 Oct 2005  
SU 4184I 23 Feb 2006  
SU 4184J 15 Mar 2006  
SU 4184K 12 May 2006  
SU 4184L 5 Apr 2007  
SU 4184M 6 Sep 2007

**ENHANCED RECOVERY SCHEMES**

App 11682D 22 Jan 2018  
Other  
Lower Mannville CC  
Torxen Energy Ltd.

**SUBSURFACE DISPOSAL SCHEMES**

App 2529C 12 Apr 2012  
Class II  
Canadian Natural Resources Limited

**COMMINGLED PRODUCTION**

MU 8320 19 Mar 2012

**FIELD DESIGNATION**

0985 2004-02-01 WIZARD LAKE FIELD

**POOL DESIGNATION**

0985 106001 2007-03-01 EDMONTON A

0985 126002 2011-01-01 BELLY RIVER B  
0985 126003 2013-07-01 BELLY RIVER C

0985 218001 2001-02-01 VIKING A

0985 250001 2010-04-01 UPPER MANNVILLE A

0985 300001 2001-02-01 GLAUCONITIC A  
0985 300002 2001-02-01 GLAUCONITIC B  
0985 300003 2010-04-01 GLAUCONITIC C  
0985 300004 2001-05-01 GLAUCONITIC D  
0985 300005 2010-04-01 GLAUCONITIC E  
0985 300006 2003-05-01 GLAUCONITIC F  
0985 300007 2004-02-01 GLAUCONITIC G

0985 310001 2010-04-01 LOWER MANNVILLE A

0985 334001 2013-12-01 BASAL QUARTZ A  
0985 334002 2001-02-01 BASAL QUARTZ B  
0985 334003 2001-02-01 BASAL QUARTZ C  
0985 334004 2010-04-01 BASAL QUARTZ D  
0985 334005 2001-02-01 BASAL QUARTZ E  
0985 334006 2001-02-01 BASAL QUARTZ F  
0985 334007 2010-04-01 BASAL QUARTZ G  
0985 334008 2001-03-01 BASAL QUARTZ H  
0985 334009 2001-03-01 BASAL QUARTZ I  
0985 334010 2010-04-01 BASAL QUARTZ J  
0985 334011 2004-02-01 BASAL QUARTZ K  
0985 334012 2005-02-01 BASAL QUARTZ L  
0985 334013 2007-03-01 BASAL QUARTZ M

**POOL DESIGNATION (cont'd)**

0985 696001 2010-04-01 D-2 A

0985 720001 2010-04-01 D-3 A

0985 720002 2010-04-01 D-3 B

**SPACING PATTERN**

SU 2568 7 Feb 1996

SU 2568A 16 Mar 1999

**MISCELLANEOUS ORDERS**

MISC 5910 16 Mar 1959

Wizard Lake D-3 Unit

Application of sec 10, sub (1)

clause (b) of Drilling & Prod Regs

**COMMINGLED PRODUCTION**

MU 5838 11 Jul 2006

MU 6424 7 Feb 2007

**FIELD DESIGNATION**

0987 2012-11-01 WOKING FIELD

**POOL DESIGNATION**

0987 230001 2010-04-01 PADDY A  
0987 230002 2001-02-01 PADDY B  
0987 230003 2002-05-01 PADDY C

0987 232001 2001-02-01 CADOTTE A  
0987 232002 2006-07-01 CADOTTE B

0987 264001 2001-02-01 SPIRIT RIVER A

0987 266001 2001-02-01 NOTIKWIN A  
0987 266002 2004-07-01 NOTIKWIN B  
0987 266003 2005-02-01 NOTIKWIN C

0987 304002 2001-02-01 BLUESKY B

0987 326001 2001-02-01 GETHING A  
0987 326002 2001-02-01 GETHING B  
0987 326003 2001-02-01 GETHING C  
0987 326004 2001-02-01 GETHING D  
0987 326005 2001-02-01 GETHING E  
0987 326006 2001-02-01 GETHING F  
0987 326007 2001-02-01 GETHING G  
0987 326008 2001-02-01 GETHING H  
0987 326009 2001-02-01 GETHING I  
0987 326010 2002-02-01 GETHING J  
0987 326011 2005-03-01 GETHING K

0987 348001 2001-02-01 CADOMIN A  
0987 348002 2001-02-01 CADOMIN B  
0987 348003 2001-02-01 CADOMIN C  
0987 348004 2005-08-01 CADOMIN D

**POOL DESIGNATION (cont'd)**

0987 508001 2001-02-01 CHARLIE LAKE A

0987 516001 2010-04-01 HALFWAY A

0987 516002 2010-04-01 HALFWAY B

0987 556001 2001-02-01 BELLOY A

0987 605001 2008-07-01 TAYLOR FLAT A

0987 606001 2001-02-01 KISKATINAW A

**SPACING PATTERN**

SU 2586 13 Feb 1996

**ENHANCED RECOVERY SCHEMES**

App 11378C 8 Jan 2016

Waterflood

Halfway B

Endurance Energy Ltd.



**FIELD DESIGNATION**

0765 2005-12-01                      WOLVERINE FIELD

**POOL DESIGNATION**

0765 304001 2010-04-01      BLUESKY A  
0765 304003 2010-04-01      BLUESKY C  
0765 304004 2001-03-01      BLUESKY D  
0765 304005 2005-12-01      BLUESKY E  
0765 304006 2005-12-01      BLUESKY F  
0765 304007 2011-07-01      BLUESKY G

0765 326801 2010-04-01      GETHING-WABAMUN A  
0765 326802 2005-12-01      GETHING-WABAMUN B

**SPACING PATTERN**

SU 2605            7 Mar 1996  
SU 2605A          30 Jan 1997

**COMMINGLED PRODUCTION**

MU 1760          15 Apr 1999

**SUBSURFACE DISPOSAL SCHEMES**

App 9750B        6 Sep 2018  
Class II  
Prairie Provident Resources Canada Ltd.

**FIELD DESIGNATION**

0988 2018-05-01                      WOOD RIVER FIELD

**POOL DESIGNATION**

0988 118801 2011-12-01            LOWER EDMONTON A

0988 126001 2001-02-01            BELLY RIVER A  
0988 126002 2001-02-01            BELLY RIVER B  
0988 126003 2013-07-01            BELLY RIVER C  
0988 126019 2011-02-01            BELLY RIVER S

0988 134002 2005-07-01            BASAL BELLY RIVER B  
0988 134003 2012-04-01            BASAL BELLY RIVER C  
0988 134004 2007-08-01            BASAL BELLY RIVER D  
0988 134005 2005-07-01            BASAL BELLY RIVER E  
0988 134008 2006-06-01            BASAL BELLY RIVER H  
0988 134010 2009-11-01            BASAL BELLY RIVER J

0988 250001 2001-02-01            UPPER MANNVILLE A  
0988 250002 2001-02-01            UPPER MANNVILLE B  
0988 250003 2008-03-01            UPPER MANNVILLE C

0988 310001 2012-07-01            LOWER MANNVILLE A  
0988 310002 2008-07-01            LOWER MANNVILLE B  
0988 310003 2001-02-01            LOWER MANNVILLE C  
0988 310006 2001-02-01            LOWER MANNVILLE F  
0988 310007 2001-02-01            LOWER MANNVILLE G  
0988 310008 2001-02-01            LOWER MANNVILLE H  
0988 310009 2001-02-01            LOWER MANNVILLE I  
0988 310010 2001-02-01            LOWER MANNVILLE J  
0988 310011 2001-02-01            LOWER MANNVILLE K  
0988 310012 2001-02-01            LOWER MANNVILLE L  
0988 310013 2001-02-01            LOWER MANNVILLE M  
0988 310014 2001-02-01            LOWER MANNVILLE N  
0988 310015 2001-02-01            LOWER MANNVILLE O  
0988 310016 2001-02-01            LOWER MANNVILLE P

**POOL DESIGNATION (cont'd)**

0988 310017	2001-02-01	LOWER MANNVILLE Q
0988 310018	2001-02-01	LOWER MANNVILLE R
0988 310019	2001-02-01	LOWER MANNVILLE S
0988 310020	2001-02-01	LOWER MANNVILLE T
0988 310021	2001-02-01	LOWER MANNVILLE U
0988 310022	2011-04-01	LOWER MANNVILLE V
0988 310023	2001-08-01	LOWER MANNVILLE W
0988 310024	2005-05-01	LOWER MANNVILLE X
0988 310025	2004-11-01	LOWER MANNVILLE Y
0988 310026	2007-02-01	LOWER MANNVILLE Z
0988 310027	2007-08-01	LOWER MANNVILLE AA
0988 310028	2006-10-01	LOWER MANNVILLE BB
0988 310029	2007-11-01	LOWER MANNVILLE CC
0988 310030	2007-11-01	LOWER MANNVILLE DD
0988 310031	2014-12-01	LOWER MANNVILLE EE
0988 696001	2010-04-01	D-2 A
0988 696003	2001-02-01	D-2 C
0988 696004	2012-02-01	D-2 D
0988 696007	2001-02-01	D-2 G
0988 720001	2001-02-01	D-3 A
0988 720002	2001-02-01	D-3 B
0988 720003	2001-02-01	D-3 C
0988 720004	2001-03-01	D-3 D
0988 720005	2006-05-01	D-3 E
0988 720006	2008-08-01	D-3 F
0988 850900	2011-05-01	MFP8509 BELLY RIVER

**SPACING PATTERN**

SU 4080 22 Dec 2003  
 SU 4080A 22 Apr 2004  
 SU 4080B 21 Jul 2004  
 SU 4080C 12 Apr 2005  
 SU 4080D 31 Aug 2005  
 SU 4080E 17 Nov 2005  
 SU 4080F 20 Dec 2005  
 SU 4080G 15 Feb 2006  
 SU 4080H 18 Oct 2007

**COMMINGLED PRODUCTION**

MU 7826 2 Jun 2011

**ENHANCED RECOVERY SCHEMES**

App 5105H 24 Jun 2015  
 Waterflood  
 D-2 C  
 Enhance Energy Inc.

**SUBSURFACE DISPOSAL SCHEMES**

App 7798B 2 Oct 2014  
 Class II  
 Bashaw Oil Corp.

App 9155B 16 Oct 2013  
 Class II  
 Enhance Energy Inc.

**COMPULSORY POOLING**

P 204 19 Apr 2001  
 P 204A 19 Aug 2003  
 Gas  
 13-043-24W4M  
 Canadian Natural Resources Limited

P 330 29 Aug 2007  
 P 330A 7 Jul 2009  
 P 330B 21 Feb 2017  
 Gas  
 32-042-23W4M  
 Fairborne Energy Ltd.

P 350 2 Jul 2008  
 Gas  
 08-043-24W4M  
 Response Energy Corporation

P 376 26 Nov 2008  
 P 376A 16 Jun 2009  
 P 376B 10 Mar 2010  
 P 376C 28 Jun 2016  
 P 376D 22 Dec 2016

Gas  
 09-043-24W4M  
 Quicksilver Resources Canada Inc.

**FIELD DESIGNATION**

1303 2004-11-01                      WOODENHOUSE FIELD

**POOL DESIGNATION**

1303 280001 2010-04-01            CLEARWATER A  
1303 280004 2005-04-01            CLEARWATER D  
1303 280007 2007-05-01            CLEARWATER G

1303 306001 2002-02-01            WABISKAW A  
1303 306002 2003-08-01            WABISKAW B  
1303 306003 2004-09-01            WABISKAW C  
1303 306004 2004-11-01            WABISKAW D  
1303 306005 2010-04-01            WABISKAW E  
1303 306006 2009-04-01            WABISKAW F

1303 328001 2002-02-01            MCMURRAY A  
1303 328002 2010-04-01            MCMURRAY B  
1303 328003 2007-05-01            MCMURRAY C

1303 350001 2001-02-01            DETRITAL A

1303 696002 2003-04-01            NISKU B  
1303 696003 2010-04-01            NISKU C  
1303 696006 2001-03-01            NISKU F  
1303 696008 2001-03-01            NISKU H  
1303 696009 2003-09-01            NISKU I  
1303 696010 2004-02-01            NISKU J  
1303 696011 2007-11-01            NISKU K

**COMMINGLED PRODUCTION**

MU 7650            5 Jan 2011

**FIELD DESIGNATION**

0989 2011-03-01                      WOODLAND FIELD

**POOL DESIGNATION**

0989 218001 2010-06-01            VIKING A

0989 250001 2001-02-01            UPPER MANNVILLE A  
0989 250002 2010-04-01            UPPER MANNVILLE B  
0989 250003 2001-02-01            UPPER MANNVILLE C  
0989 250004 2001-02-01            UPPER MANNVILLE D  
0989 250005 2001-02-01            UPPER MANNVILLE E  
0989 250006 2001-02-01            UPPER MANNVILLE F  
0989 250007 2001-03-01            UPPER MANNVILLE G  
0989 250008 2010-04-01            UPPER MANNVILLE H  
0989 250009 2011-12-01            UPPER MANNVILLE I  
0989 250010 2011-12-01            UPPER MANNVILLE J  
0989 250011 2011-12-01            UPPER MANNVILLE K

0989 262001 2001-02-01            GRAND RAPIDS A  
0989 262002 2006-12-01            GRAND RAPIDS B  
0989 262003 2008-04-01            GRAND RAPIDS C

0989 300001 2001-02-01            GLAUCONITIC A  
0989 300002 2001-02-01            GLAUCONITIC B  
0989 300004 2001-02-01            GLAUCONITIC D  
0989 300005 2001-02-01            GLAUCONITIC E

0989 658001 2001-02-01            WABAMUN A  
0989 658002 2001-02-01            WABAMUN B

**COMMINGLED PRODUCTION**

MU 5189            17 Apr 2006

**SUBSURFACE DISPOSAL SCHEMES**

App 7232B    30 Jan 2017  
Class II  
Sequoia Resources Corp.

**FIELD DESIGNATION**

1304 2016-11-01                      WOOLFORD FIELD

**POOL DESIGNATION**

1304 213001 2016-11-01              BOW ISLAND A

1304 658001 2017-08-01              WABAMUN A

**FIELD DESIGNATION**

0990 2011-02-01 WORKMAN FIELD

**POOL DESIGNATION**

0990 118801 2010-04-01 LOWER EDMONTON A  
0990 118802 2017-05-01 LOWER EDMONTON B  
0990 118803 2006-11-01 LOWER EDMONTON C  
0990 118805 2007-08-01 LOWER EDMONTON E  
0990 118807 2013-04-01 LOWER EDMONTON G  
0990 118808 2013-04-01 LOWER EDMONTON H  
0990 118809 2013-04-01 LOWER EDMONTON I  
0990 118810 2013-04-01 LOWER EDMONTON J  
0990 118811 2013-04-01 LOWER EDMONTON K  
0990 118812 2013-04-01 LOWER EDMONTON L

0990 218001 2008-11-01 VIKING A  
0990 218003 2001-02-01 VIKING C  
0990 218004 2006-09-01 VIKING D

0990 658001 2018-09-01 WABAMUN A

0990 850600 2011-01-01 MFP8506 BELLY RIVER

0990 855900 2017-05-01 MFP8559 LWR EDMONTON

0990 856000 2011-01-01 MFP8560 BSL BELLY RIV

0990 960500 2010-07-01 MFP9605 CBM LARD

0990 960600 2017-04-01 MFP9606 CBM CARB

0990 960700 2012-06-01 MFP9607 CBM UHSC

0990 960800 2012-06-01 MFP9608 CBM WAYN

0990 960900 2012-06-01 MFP9609 CBM RS



**POOL DESIGNATION (cont'd)**

0990 961000 2012-06-01 MFP9610 CBM DBSL  
0990 961300 2017-04-01 MFP9613 CBM RBSL  
0990 961400 2013-05-01 MFP9614 CBM LETH  
0990 961500 2011-04-01 MFP9615 CBM TABR  
0990 961600 2012-06-01 MFP9616 CBM MCKY

**SPACING PATTERN**

SU 4289 14 Mar 2005  
SU 4289A 11 Aug 2005  
SU 4289B 24 Nov 2005  
SU 4289C 12 Jun 2006

**COMMINGLED PRODUCTION**

MU 8110 13 Oct 2011

**FIELD DESIGNATION**

0991 2015-02-01 WORSLEY FIELD

**POOL DESIGNATION**

0991 190001 2013-12-01 DOE CREEK A

0991 192002 2013-12-01 DUNVEGAN B

0991 192003 2013-12-01 DUNVEGAN C

0991 192004 2013-12-01 DUNVEGAN D

0991 192005 2013-12-01 DUNVEGAN E

0991 192006 2013-12-01 DUNVEGAN F

0991 192008 2013-12-01 DUNVEGAN H

0991 264001 2014-03-01 SPIRIT RIVER A

0991 264002 2013-12-01 SPIRIT RIVER B

0991 264003 2013-12-01 SPIRIT RIVER C

0991 264004 2013-12-01 SPIRIT RIVER D

0991 264005 2013-12-01 SPIRIT RIVER E

0991 264006 2013-12-01 SPIRIT RIVER F

0991 264007 2013-12-01 SPIRIT RIVER G

0991 264008 2013-12-01 SPIRIT RIVER H

0991 264009 2013-12-01 SPIRIT RIVER I

0991 264010 2013-12-01 SPIRIT RIVER J

0991 264011 2013-12-01 SPIRIT RIVER K

0991 264012 2013-12-01 SPIRIT RIVER L

0991 264013 2013-12-01 SPIRIT RIVER M

0991 264014 2013-12-01 SPIRIT RIVER N

0991 264015 2013-12-01 SPIRIT RIVER O

0991 264016 2014-07-01 SPIRIT RIVER P

0991 264017 2013-12-01 SPIRIT RIVER Q

0991 264018 2013-12-01 SPIRIT RIVER R

0991 264019 2013-12-01 SPIRIT RIVER S

0991 264020 2013-12-01 SPIRIT RIVER T

0991 264021 2013-12-01 SPIRIT RIVER U

0991 271501 2001-02-01 FALHER A

**POOL DESIGNATION (cont'd)**

0991 304001	2001-02-01	BLUESKY A
0991 304002	2001-02-01	BLUESKY B
0991 304003	2001-02-01	BLUESKY C
0991 304004	2003-01-01	BLUESKY D
0991 304005	2001-02-01	BLUESKY E
0991 304006	2001-02-01	BLUESKY F
0991 304008	2001-02-01	BLUESKY H
0991 304009	2001-02-01	BLUESKY I
0991 304010	2001-03-01	BLUESKY J
0991 304011	2003-07-01	BLUESKY K
0991 304012	2004-10-01	BLUESKY L
0991 304013	2006-10-01	BLUESKY M
0991 304014	2007-11-01	BLUESKY N
0991 304015	2007-11-01	BLUESKY O
0991 304016	2010-01-01	BLUESKY P
0991 304017	2011-06-01	BLUESKY Q
0991 304018	2013-12-01	BLUESKY R
0991 304019	2013-12-01	BLUESKY S
0991 304020	2013-12-01	BLUESKY T
0991 326001	2001-02-01	GETHING A
0991 326002	2001-02-01	GETHING B
0991 326003	2001-02-01	GETHING C
0991 326004	2010-08-01	GETHING D
0991 326005	2005-11-01	GETHING E
0991 326006	2001-02-01	GETHING F
0991 326007	2001-02-01	GETHING G
0991 326008	2001-02-01	GETHING H
0991 326009	2001-02-01	GETHING I
0991 326010	2010-04-01	GETHING J
0991 326011	2010-04-01	GETHING K
0991 326012	2001-03-01	GETHING L
0991 326013	2001-03-01	GETHING M
0991 326014	2002-03-01	GETHING N
0991 326015	2002-04-01	GETHING O
0991 326016	2002-05-01	GETHING P
0991 326017	2002-12-01	GETHING Q
0991 326018	2016-10-01	GETHING R

**POOL DESIGNATION (cont'd)**

0991 326019 2003-03-01	GETHING S
0991 326020 2004-02-01	GETHING T
0991 326021 2004-03-01	GETHING U
0991 326022 2004-06-01	GETHING V
0991 326023 2006-10-01	GETHING W
0991 326024 2010-12-01	GETHING X
0991 326025 2007-11-01	GETHING Y
0991 326026 2014-05-01	GETHING Z
0991 326028 2007-11-01	GETHING BB
0991 326029 2008-06-01	GETHING CC
0991 326030 2008-06-01	GETHING DD
0991 326031 2008-06-01	GETHING EE
0991 326032 2009-02-01	GETHING FF
0991 326033 2008-11-01	GETHING GG
0991 326034 2010-04-01	GETHING HH
0991 326035 2010-05-01	GETHING II
0991 326036 2017-09-01	GETHING JJ
0991 326037 2011-02-01	GETHING KK
0991 326038 2011-06-01	GETHING LL
0991 326039 2011-11-01	GETHING MM
0991 326040 2013-12-01	GETHING NN
0991 326041 2013-12-01	GETHING OO
0991 326042 2013-12-01	GETHING PP
0991 326043 2013-12-01	GETHING QQ
0991 326044 2013-12-01	GETHING RR
0991 326045 2013-12-01	GETHING SS
0991 326046 2013-12-01	GETHING TT
0991 326047 2013-12-01	GETHING UU
0991 326048 2013-12-01	GETHING VV
0991 326049 2013-12-01	GETHING WW
0991 326050 2014-06-01	GETHING XX
0991 326701 2012-07-01	GETHING-MONTNEY A
0991 500001 2013-12-01	TRIASSIC A
0991 508001 2010-04-01	CHARLIE LAKE A
0991 508002 2012-10-01	CHARLIE LAKE B

**POOL DESIGNATION (cont'd)**

0991 508003 2006-09-01	CHARLIE LAKE C
0991 508004 2009-09-01	CHARLIE LAKE D
0991 508005 2001-02-01	CHARLIE LAKE E
0991 508007 2010-11-01	CHARLIE LAKE G
0991 508008 2015-02-01	CHARLIE LAKE H
0991 508010 2017-07-01	CHARLIE LAKE J
0991 508011 2001-02-01	CHARLIE LAKE K
0991 508012 2001-02-01	CHARLIE LAKE L
0991 508014 2001-02-01	CHARLIE LAKE N
0991 508015 2001-02-01	CHARLIE LAKE O
0991 508016 2010-04-01	CHARLIE LAKE P
0991 508017 2016-07-01	CHARLIE LAKE Q
0991 508021 2005-03-01	CHARLIE LAKE U
0991 508027 2010-04-01	CHARLIE LAKE AA
0991 508031 2007-03-01	CHARLIE LAKE EE
0991 508036 2007-02-01	CHARLIE LAKE JJ
0991 508037 2015-01-01	CHARLIE LAKE KK
0991 508038 2016-06-01	CHARLIE LAKE LL
0991 508039 2010-09-01	CHARLIE LAKE MM
0991 508040 2009-06-01	CHARLIE LAKE NN
0991 508041 2007-12-01	CHARLIE LAKE OO
0991 508042 2008-02-01	CHARLIE LAKE PP
0991 508044 2010-08-01	CHARLIE LAKE RR
0991 508046 2017-09-01	CHARLIE LAKE TT
0991 508047 2008-09-01	CHARLIE LAKE UU
0991 508048 2008-10-01	CHARLIE LAKE VV
0991 508049 2010-02-01	CHARLIE LAKE WW
0991 508050 2009-01-01	CHARLIE LAKE XX
0991 508051 2010-04-01	CHARLIE LAKE YY
0991 508052 2010-04-01	CHARLIE LAKE ZZ
0991 508701 2010-08-01	CHARLIE LAKE AAA
0991 508702 2011-11-01	CHARLIE LAKE BBB
0991 508704 2013-04-01	CHARLIE LAKE DDD
0991 508705 2013-03-01	CHARLIE LAKE EEE
0991 508706 2013-07-01	CHARLIE LAKE FFF
0991 508707 2013-07-01	CHARLIE LAKE GGG
0991 508708 2013-12-01	CHARLIE LAKE HHH
0991 508709 2015-03-01	CHARLIE LAKE III

**POOL DESIGNATION (cont'd)**

0991 524001	2010-04-01	MONTNEY A
0991 524002	2001-12-01	MONTNEY B
0991 524003	2010-04-01	MONTNEY C
0991 524004	2002-09-01	MONTNEY D
0991 524005	2003-02-01	MONTNEY E
0991 524007	2005-10-01	MONTNEY G
0991 524008	2007-12-01	MONTNEY H
0991 524009	2014-01-01	MONTNEY I
0991 524010	2007-12-01	MONTNEY J
0991 524012	2010-11-01	MONTNEY L
0991 524013	2013-07-01	MONTNEY M
0991 556001	2005-12-01	BELLOY A
0991 612001	2013-06-01	DEBOLT A
0991 658001	2001-02-01	D-1 A
0991 658002	2018-06-01	D-1 B
0991 658003	2009-04-01	D-1 C
0991 658004	2008-10-01	D-1 D
0991 658005	2010-08-01	D-1 E
0991 670001	2001-02-01	WINTERBURN A
0991 670002	2008-07-01	WINTERBURN B
0991 670003	2010-05-01	WINTERBURN C
0991 696001	2010-04-01	D-2 A
0991 696002	2001-02-01	D-2 B
0991 696003	2010-07-01	D-2 C
0991 696004	2012-11-01	D-2 D
0991 720001	2001-02-01	D-3 A
0991 720002	2010-04-01	D-3 B
0991 720003	2001-02-01	D-3 C
0991 720004	2001-02-01	D-3 D
0991 720005	2001-02-01	D-3 E
0991 720006	2008-09-01	D-3 F
0991 720007	2001-02-01	D-3 G

**POOL DESIGNATION (cont'd)**

0991 720008	2001-02-01	D-3 H
0991 720009	2001-02-01	D-3 I
0991 720010	2001-02-01	D-3 J
0991 720011	2001-02-01	D-3 K
0991 720012	2001-02-01	D-3 L
0991 720013	2009-01-01	D-3 M
0991 720014	2001-02-01	D-3 N
0991 720015	2001-02-01	D-3 O
0991 720016	2001-02-01	D-3 P
0991 720017	2001-02-01	D-3 Q
0991 720018	2001-02-01	D-3 R
0991 720019	2001-02-01	D-3 S
0991 720020	2001-02-01	D-3 T
0991 720021	2001-02-01	D-3 U
0991 720022	2010-04-01	D-3 V
0991 720023	2001-02-01	D-3 W
0991 720024	2006-11-01	D-3 X
0991 720025	2006-09-01	D-3 Y
0991 720026	2007-05-01	D-3 Z
0991 720027	2007-12-01	D-3 AA
0991 720028	2007-12-01	D-3 BB
0991 720029	2008-09-01	D-3 CC
0991 720030	2010-02-01	D-3 DD
0991 720031	2011-04-01	D-3 EE
0991 720032	2011-10-01	D-3 FF
0991 720033	2011-10-01	D-3 GG
0991 720034	2013-10-01	D-3 HH
0991 797501	2008-06-01	GRANITE WASH A
0991 797502	2008-06-01	GRANITE WASH B
0991 797503	2008-06-01	GRANITE WASH C
0991 797504	2008-06-01	GRANITE WASH D
0991 797505	2008-06-01	GRANITE WASH E
0991 797506	2008-06-01	GRANITE WASH F
0991 797507	2013-01-01	GRANITE WASH G

**SPACING PATTERN**

SU 2352 18 Oct 1995  
 SU 2352A 21 May 1997  
 SU 2352B 10 Dec 1997  
 SU 2352C 27 Jun 2000  
 SU 2352D 14 Jul 2000  
 SU 2352E 20 Jul 2001  
 SU 2352F 16 Jun 2004  
 SU 2352G 18 Aug 2005  
 SU 2352H 5 Dec 2005  
 SU 2352I 5 Jun 2006  
 SU 2352J 24 Sep 2007

**COMMINGLED PRODUCTION**

MU 8737 2 Jun 2015

**ENHANCED RECOVERY SCHEMES**

App 10241P 26 Apr 2018  
 Waterflood  
 Charlie Lake H and J  
 Enercapita Energy Ltd.

App 10921E 19 Jul 2017  
 Waterflood  
 Charlie Lake H and J  
 Enercapita Energy Ltd.

App 11505H 12 Feb 2018  
 Waterflood  
 Gething - Montney A  
 Canadian Natural Resources Limited

App 11652B 5 July 2013  
 Waterflood  
 Montney L  
 Venturion Oil Limited

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

App 12789 31 Aug 2018  
 Waterflood  
 Charlie Lake H  
 Enercapita Energy Ltd.

**SUBSURFACE DISPOSAL SCHEMES**

App 12684 31 Jan 2018  
 Waterflood  
 Charlie Lake B  
 Canadian Natural Resources Limited

App 6017E 7 Feb 2018  
 Class II  
 Canadian Natural Resources Limited

App 8904A 17 Apr 2012  
 Class II  
 Birchcliff Energy Ltd.

App 11380E 26 Mar 2018  
 Class II  
 Direct Oil & Gas Inc.

App 11414D 14 Aug 2014  
 Class II  
 Birchcliff Energy Ltd.

App 11817B 28 Oct 2014  
 Class II  
 Gibson Energy ULC

Approval No. 11131B 8 Jan 2014  
 Class II  
 Shoreline Energy Corp.



**FIELD DESIGNATION**

0992 2009-11-01                      WRENTHAM FIELD

**POOL DESIGNATION**

0992 204001 2001-02-01      BARONS A  
0992 204002 2001-03-01      BARONS B

0992 213001 2001-02-01      BOW ISLAND A  
0992 213002 2005-05-01      BOW ISLAND B

0992 300002 2011-09-01      GLAUCONITIC B  
0992 300003 2001-02-01      GLAUCONITIC C

0992 310002 2001-02-01      LOWER MANNVILLE B  
0992 310003 2010-04-01      LOWER MANNVILLE C  
0992 310005 2015-10-01      LOWER MANNVILLE E  
0992 310006 2010-04-01      LOWER MANNVILLE F  
0992 310007 2011-02-01      LOWER MANNVILLE G  
0992 310009 2010-04-01      LOWER MANNVILLE I

0992 346001 2001-02-01      TABER A  
0992 346002 2013-07-01      TABER B  
0992 346003 2013-07-01      TABER C

**SPACING PATTERN**

SU 4112            15 Sep 2003  
SU 4112A          27 Sep 2004  
SU 4112B          3 Dec 2004  
SU 4112C          8 Dec 2004  
SU 4112D          1 Dec 2005  
SU 4112E          5 Apr 2006

**ENHANCED RECOVERY SCHEMES**

App 8166L    29 Jul 2016  
Waterflood  
Lower Mannville F  
Canadian Natural Resources Limited

App 8228E    18 Aug 2017  
Waterflood  
Lower Mannville G  
Canadian Natural Resources Limited

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

App 8715D 29 Jul 2016  
Waterflood  
Lower Mannville C  
Canadian Natural Resources Limited

App 8716E 29 Jul 2016  
Waterflood  
Lower Mannville B  
Canadian Natural Resources Limited

App 10230G 18 Aug 2017  
Waterflood  
Lower Mannville E  
Canadian Natural Resources Limited

**SUBSURFACE DISPOSAL SCHEMES**

App 8916A 23 Sep 2016  
Class II  
Canadian Natural Resources Limited