

FIELD DESIGNATION

1180 2004-06-01 NAMPA FIELD

POOL DESIGNATION

1180 797501 2008-12-01 GRANITE WASH A

SPACING PATTERN

SU 2453 24 Jan 1996

FIELD DESIGNATION

0655 2012-12-01 NARRAWAY FIELD

POOL DESIGNATION

0655 176001 2001-02-01 CARDIUM A
0655 176002 2013-04-01 CARDIUM B
0655 176003 2013-04-01 CARDIUM C
0655 176004 2017-03-01 CARDIUM D
0655 176005 2017-11-01 CARDIUM E

0655 192001 2010-04-01 DUNVEGAN A
0655 192003 2010-04-01 DUNVEGAN C
0655 192004 2013-04-01 DUNVEGAN D
0655 192009 2011-02-01 DUNVEGAN I
0655 192010 2011-03-01 DUNVEGAN J

0655 230001 2004-06-01 PADDY A
0655 230002 2011-11-01 PADDY B
0655 230003 2012-12-01 PADDY C
0655 230004 2013-01-01 PADDY D

0655 232001 2007-08-01 CADOTTE A
0655 232003 2013-04-01 CADOTTE C
0655 232005 2010-04-01 CADOTTE E
0655 232007 2003-01-01 CADOTTE G
0655 232009 2010-01-01 CADOTTE I
0655 232010 2005-03-01 CADOTTE J
0655 232011 2004-02-01 CADOTTE K
0655 232012 2005-03-01 CADOTTE L
0655 232013 2010-04-01 CADOTTE M
0655 232016 2011-11-01 CADOTTE P
0655 232018 2006-07-01 CADOTTE R
0655 232021 2007-12-01 CADOTTE U
0655 232022 2010-04-01 CADOTTE V
0655 232025 2012-03-01 CADOTTE Y
0655 232026 2013-01-01 CADOTTE Z

POOL DESIGNATION (cont'd)

| | |
|------------------------|----------------|
| 0655 232027 2014-05-01 | CADOTTE AA |
| 0655 264001 2012-12-01 | SPIRIT RIVER A |
| 0655 266001 2012-12-01 | NOTIKEWIN A |
| 0655 271501 2008-10-01 | FALHER A |
| 0655 271502 2010-04-01 | FALHER B |
| 0655 271503 2010-04-01 | FALHER C |
| 0655 271504 2013-04-01 | FALHER D |
| 0655 271505 2012-04-01 | FALHER E |
| 0655 271506 2007-10-01 | FALHER F |
| 0655 271508 2003-05-01 | FALHER H |
| 0655 271509 2010-04-01 | FALHER I |
| 0655 271510 2003-07-01 | FALHER J |
| 0655 271511 2010-04-01 | FALHER K |
| 0655 271512 2011-11-01 | FALHER L |
| 0655 271514 2006-06-01 | FALHER N |
| 0655 271515 2011-10-01 | FALHER O |
| 0655 271517 2011-11-01 | FALHER Q |
| 0655 271520 2012-01-01 | FALHER T |
| 0655 271521 2012-09-01 | FALHER U |
| 0655 271522 2012-12-01 | FALHER V |
| 0655 271523 2013-01-01 | FALHER W |
| 0655 271524 2014-05-01 | FALHER X |
| 0655 326002 2011-02-01 | GETHING B |
| 0655 326005 2011-11-01 | GETHING E |
| 0655 326006 2010-04-01 | GETHING F |
| 0655 326008 2012-03-01 | GETHING H |
| 0655 326009 2013-04-01 | GETHING I |
| 0655 326010 2012-09-01 | GETHING J |
| 0655 326011 2013-01-01 | GETHING K |
| 0655 326012 2014-05-01 | GETHING L |
| 0655 348001 2010-04-01 | CADOMIN A |
| 0655 348002 2011-11-01 | CADOMIN B |
| 0655 348013 2011-02-01 | CADOMIN M |

POOL DESIGNATION (cont'd)

| | |
|------------------------|----------------|
| 0655 348014 2012-04-01 | CADOMIN N |
| 0655 348015 2012-09-01 | CADOMIN O |
| 0655 348016 2013-08-01 | CADOMIN P |
| 0655 348017 2017-11-01 | CADOMIN Q |
| 0655 408001 2013-04-01 | NIKANASSIN A |
| 0655 408034 2014-04-01 | NIKANASSIN HH |
| 0655 408039 2010-04-01 | NIKANASSIN MM |
| 0655 408042 2012-04-01 | NIKANASSIN PP |
| 0655 408043 2012-09-01 | NIKANASSIN QQ |
| 0655 408044 2013-01-01 | NIKANASSIN RR |
| 0655 444001 2010-04-01 | NORDEGG A |
| 0655 508001 2010-04-01 | CHARLIE LAKE A |
| 0655 508002 2010-04-01 | CHARLIE LAKE B |
| 0655 508003 2010-04-01 | CHARLIE LAKE C |
| 0655 508004 2010-04-01 | CHARLIE LAKE D |
| 0655 508005 2010-04-01 | CHARLIE LAKE E |
| 0655 508006 2010-04-01 | CHARLIE LAKE F |
| 0655 508007 2007-06-01 | CHARLIE LAKE G |
| 0655 508008 2007-06-01 | CHARLIE LAKE H |
| 0655 508009 2017-11-01 | CHARLIE LAKE I |
| 0655 508010 2012-05-01 | CHARLIE LAKE J |
| 0655 516001 2010-04-01 | HALFWAY A |
| 0655 520001 2010-04-01 | DOIG A |
| 0655 520002 2010-04-01 | DOIG B |
| 0655 520003 2010-04-01 | DOIG C |
| 0655 556001 2003-10-01 | BELLOY A |
| 0655 556003 2009-08-01 | BELLOY C |
| 0655 605001 2013-09-01 | TAYLOR FLAT A |
| 0655 605002 2010-04-01 | TAYLOR FLAT B |
| 0655 605003 2006-12-01 | TAYLOR FLAT C |
| 0655 605004 2007-06-01 | TAYLOR FLAT D |

POOL DESIGNATION (cont'd)

0655 605005 2007-06-01 TAYLOR FLAT E

0655 605006 2009-08-01 TAYLOR FLAT F

0655 612001 2010-04-01 DEBOLT A

COMMINGLED PRODUCTION

MU 7865 18 May 2011

FIELD DESIGNATION

1184 2004-01-01 NAYLOR FIELD

POOL DESIGNATION

1184 304001 2004-02-01 BLUESKY A

1184 644001 2003-09-01 BANFF A

1184 644002 2003-10-01 BANFF B

1184 644003 2004-02-01 BANFF C

SPACING PATTERN

SU 4037 19 Dec 2002

SU 4037A 22 Jan 2003

FIELD DESIGNATION

0633 2012-08-01 NEERLANDIA FIELD

POOL DESIGNATION

0633 218001 2001-02-01 VIKING A
0633 218002 2001-02-01 VIKING B
0633 218003 2004-08-01 VIKING C
0633 218004 2002-05-01 VIKING D
0633 218005 2013-07-01 VIKING E

0633 250001 2009-03-01 UPPER MANNVILLE A

0633 300001 2001-02-01 GLAUCONITIC A
0633 300002 2001-02-01 GLAUCONITIC B
0633 300003 2004-02-01 GLAUCONITIC C

0633 310001 2012-02-01 LOWER MANNVILLE A

0633 336001 2010-04-01 ELLERSLIE A
0633 336002 2010-04-01 ELLERSLIE B
0633 336004 2010-04-01 ELLERSLIE D
0633 336005 2001-02-01 ELLERSLIE E
0633 336006 2010-04-01 ELLERSLIE F
0633 336007 2001-02-01 ELLERSLIE G
0633 336008 2001-02-01 ELLERSLIE H
0633 336009 2001-02-01 ELLERSLIE I
0633 336010 2004-08-01 ELLERSLIE J
0633 336011 2001-02-01 ELLERSLIE K
0633 336012 2013-08-01 ELLERSLIE L
0633 336013 2003-02-01 ELLERSLIE M
0633 336014 2010-04-01 ELLERSLIE N
0633 336015 2004-05-01 ELLERSLIE O
0633 336016 2004-07-01 ELLERSLIE P
0633 336017 2005-10-01 ELLERSLIE Q
0633 336018 2007-08-01 ELLERSLIE R
0633 336019 2010-12-01 ELLERSLIE S

POOL DESIGNATION (cont'd)

| | | |
|-------------|------------|------------------|
| 0633 444001 | 2002-11-01 | NORDEGG A |
| 0633 444002 | 2003-02-01 | NORDEGG B |
| 0633 644001 | 2001-02-01 | BANFF A |
| 0633 644002 | 2001-02-01 | BANFF B |
| 0633 644003 | 2009-07-01 | BANFF C |
| 0633 644004 | 2013-07-01 | BANFF D |
| 0633 961700 | 2012-08-01 | MFP9617 CBM MEDR |

SPACING PATTERN

| | |
|----------|-------------|
| SU 4101 | 2 Sep 2003 |
| SU 4101A | 10 Jun 2004 |
| SU 4101B | 26 Mar 2005 |
| SU 4101C | 13 Dec 2005 |
| SU 4101D | 8 Feb 2006 |
| SU 4101E | 28 Mar 2006 |
| SU 4101F | 27 Mar 2007 |
| SU 4101G | 26 Sep 2007 |
| SU 4101H | 18 Oct 2007 |

COMMINGLED PRODUCTION

| | |
|---------|-------------|
| MU 2024 | 13 Jul 2000 |
|---------|-------------|

SUBSURFACE DISPOSAL SCHEMES

App 11160E 16 Feb 2012
Class II
Trident Exploration (alberta) Corp.

FIELD DESIGNATION

0673 2012-06-01 NELSON FIELD

POOL DESIGNATION

0673 106003 2013-09-01 EDMONTON C

0673 126001 2001-02-01 BELLY RIVER A
0673 126002 2001-02-01 BELLY RIVER B
0673 126003 2001-02-01 BELLY RIVER C
0673 126004 2001-02-01 BELLY RIVER D
0673 126006 2009-06-01 BELLY RIVER F
0673 126008 2001-08-01 BELLY RIVER H
0673 126009 2001-09-01 BELLY RIVER I
0673 126010 2001-09-01 BELLY RIVER J
0673 126011 2014-01-01 BELLY RIVER K
0673 126012 2001-10-01 BELLY RIVER L
0673 126013 2001-10-01 BELLY RIVER M
0673 126014 2001-10-01 BELLY RIVER N
0673 126015 2001-11-01 BELLY RIVER O
0673 126018 2003-07-01 BELLY RIVER R
0673 126019 2004-08-01 BELLY RIVER S
0673 126020 2011-12-01 BELLY RIVER T
0673 126023 2007-06-01 BELLY RIVER W
0673 126024 2013-12-01 BELLY RIVER X

0673 134001 2010-04-01 BASAL BELLY RIVER A

0673 176001 2005-05-01 CARDIUM A
0673 176002 2007-01-01 CARDIUM B
0673 176003 2007-06-01 CARDIUM C
0673 176004 2012-05-01 CARDIUM D
0673 176005 2013-11-01 CARDIUM E

0673 218008 2001-02-01 VIKING H
0673 218009 2014-11-01 VIKING I

POOL DESIGNATION (cont'd)

| | | |
|-------------|------------|--------------------|
| 0673 250002 | 2001-02-01 | UPPER MANNVILLE B |
| 0673 250003 | 2001-02-01 | UPPER MANNVILLE C |
| 0673 250004 | 2001-02-01 | UPPER MANNVILLE D |
| 0673 250005 | 2001-02-01 | UPPER MANNVILLE E |
| 0673 250008 | 2001-02-01 | UPPER MANNVILLE H |
| 0673 250009 | 2001-02-01 | UPPER MANNVILLE I |
| 0673 250010 | 2001-03-01 | UPPER MANNVILLE J |
| 0673 250012 | 2001-09-01 | UPPER MANNVILLE L |
| 0673 250015 | 2002-11-01 | UPPER MANNVILLE O |
| 0673 250016 | 2002-12-01 | UPPER MANNVILLE P |
| 0673 250018 | 2004-05-01 | UPPER MANNVILLE R |
| 0673 250019 | 2004-08-01 | UPPER MANNVILLE S |
| 0673 250020 | 2008-02-01 | UPPER MANNVILLE T |
| 0673 250021 | 2008-02-01 | UPPER MANNVILLE U |
| 0673 250022 | 2010-01-01 | UPPER MANNVILLE V |
| 0673 250023 | 2008-09-01 | UPPER MANNVILLE W |
| 0673 250025 | 2009-07-01 | UPPER MANNVILLE Y |
| 0673 250026 | 2012-07-01 | UPPER MANNVILLE Z |
| 0673 250027 | 2012-05-01 | UPPER MANNVILLE AA |
| 0673 250028 | 2012-06-01 | UPPER MANNVILLE BB |
| 0673 250029 | 2012-06-01 | UPPER MANNVILLE CC |
| | | |
| 0673 310002 | 2006-11-01 | LOWER MANNVILLE B |
| 0673 310004 | 2001-02-01 | LOWER MANNVILLE D |
| 0673 310005 | 2001-02-01 | LOWER MANNVILLE E |
| 0673 310006 | 2001-02-01 | LOWER MANNVILLE F |
| 0673 310007 | 2007-02-01 | LOWER MANNVILLE G |
| 0673 310008 | 2001-02-01 | LOWER MANNVILLE H |
| 0673 310010 | 2001-06-01 | LOWER MANNVILLE J |
| 0673 310011 | 2007-06-01 | LOWER MANNVILLE K |
| 0673 310012 | 2008-10-01 | LOWER MANNVILLE L |
| 0673 310013 | 2010-06-01 | LOWER MANNVILLE M |
| 0673 310014 | 2010-04-01 | LOWER MANNVILLE N |
| 0673 310015 | 2009-12-01 | LOWER MANNVILLE O |
| 0673 310016 | 2014-11-01 | LOWER MANNVILLE P |
| 0673 310017 | 2018-07-01 | LOWER MANNVILLE Q |

SPACING PATTERN

SU 4213 10 Aug 2004
SU 4213A 12 Jan 2006
SU 4213B 12 Mar 2007

COMMINGLED PRODUCTION

MU 8139 24 Oct 2011

SUBSURFACE DISPOSAL SCHEMES

App 11937C 4 Jan 2018
Class II
Secure Energy Services Inc.

App 12756 9 Jul 2018
Class II
Norwegian Petroleum Inc.

COMPULSORY POOLING

P 191 13 Mar 2000
P 191A 5 Feb 2001
P 191B 19 Aug 2003
Gas

30-045-25W4M
Canadian Natural Resources Limited

FIELD DESIGNATION

0634 2006-06-01 NESTOW FIELD

POOL DESIGNATION

0634 186001 2001-02-01 SECOND WHITE SPECKS A
0634 186002 2008-05-01 SECOND WHITE SPECKS B

0634 218001 2010-04-01 VIKING A
0634 218002 2010-04-01 VIKING B

0634 250001 2010-04-01 UPPER MANNVILLE A
0634 250002 2008-05-01 UPPER MANNVILLE B
0634 250003 2010-04-01 UPPER MANNVILLE C
0634 250004 2003-02-01 UPPER MANNVILLE D
0634 250005 2001-02-01 UPPER MANNVILLE E
0634 250006 2001-02-01 UPPER MANNVILLE F
0634 250007 2001-02-01 UPPER MANNVILLE G
0634 250008 2001-02-01 UPPER MANNVILLE H
0634 250009 2003-03-01 UPPER MANNVILLE I
0634 250010 2001-02-01 UPPER MANNVILLE J
0634 250012 2010-04-01 UPPER MANNVILLE L
0634 250013 2010-04-01 UPPER MANNVILLE M
0634 250015 2001-02-01 UPPER MANNVILLE O
0634 250016 2008-05-01 UPPER MANNVILLE P
0634 250017 2001-02-01 UPPER MANNVILLE Q
0634 250018 2010-04-01 UPPER MANNVILLE R
0634 250019 2001-02-01 UPPER MANNVILLE S
0634 250020 2001-03-01 UPPER MANNVILLE T
0634 250021 2001-03-01 UPPER MANNVILLE U
0634 250022 2001-12-01 UPPER MANNVILLE V
0634 250023 2001-11-01 UPPER MANNVILLE W
0634 250024 2003-05-01 UPPER MANNVILLE X
0634 250025 2004-07-01 UPPER MANNVILLE Y
0634 250026 2004-10-01 UPPER MANNVILLE Z
0634 250027 2010-04-01 UPPER MANNVILLE AA
0634 250028 2010-04-01 UPPER MANNVILLE BB

POOL DESIGNATION (cont'd)

0634 250029 2010-04-01 UPPER MANNVILLE CC
0634 250030 2006-01-01 UPPER MANNVILLE DD
0634 250031 2006-08-01 UPPER MANNVILLE EE
0634 250032 2006-08-01 UPPER MANNVILLE FF
0634 250033 2007-02-01 UPPER MANNVILLE GG
0634 250034 2006-11-01 UPPER MANNVILLE HH
0634 250035 2007-06-01 UPPER MANNVILLE II
0634 250036 2007-06-01 UPPER MANNVILLE JJ
0634 250037 2007-10-01 UPPER MANNVILLE KK
0634 250038 2009-03-01 UPPER MANNVILLE LL
0634 250040 2009-11-01 UPPER MANNVILLE NN
0634 250041 2011-01-01 UPPER MANNVILLE OO

0634 310008 2001-02-01 LOWER MANNVILLE H
0634 310012 2001-02-01 LOWER MANNVILLE L
0634 310013 2001-02-01 LOWER MANNVILLE M
0634 310014 2001-11-01 LOWER MANNVILLE N
0634 310015 2001-02-01 LOWER MANNVILLE O
0634 310016 2010-04-01 LOWER MANNVILLE P
0634 310018 2001-02-01 LOWER MANNVILLE R
0634 310019 2001-02-01 LOWER MANNVILLE S
0634 310020 2004-01-01 LOWER MANNVILLE T
0634 310021 2010-04-01 LOWER MANNVILLE U
0634 310022 2001-02-01 LOWER MANNVILLE V
0634 310023 2001-02-01 LOWER MANNVILLE W
0634 310024 2001-02-01 LOWER MANNVILLE X
0634 310025 2004-08-01 LOWER MANNVILLE Y
0634 310026 2001-12-01 LOWER MANNVILLE Z
0634 310027 2001-11-01 LOWER MANNVILLE AA
0634 310028 2002-05-01 LOWER MANNVILLE BB
0634 310029 2007-06-01 LOWER MANNVILLE CC
0634 310030 2007-05-01 LOWER MANNVILLE DD
0634 310031 2007-06-01 LOWER MANNVILLE EE
0634 310032 2007-06-01 LOWER MANNVILLE FF
0634 310033 2007-06-01 LOWER MANNVILLE GG
0634 310034 2007-09-01 LOWER MANNVILLE HH
0634 310035 2007-09-01 LOWER MANNVILLE II
0634 310036 2008-01-01 LOWER MANNVILLE JJ

POOL DESIGNATION (cont'd)

0634 310037 2008-01-01 LOWER MANNVILLE KK
0634 310038 2011-07-01 LOWER MANNVILLE LL

0634 658001 2001-02-01 WABAMUN A
0634 658002 2008-05-01 WABAMUN B
0634 658003 2001-02-01 WABAMUN C
0634 658004 2001-02-01 WABAMUN D
0634 658005 2006-01-01 WABAMUN E
0634 658006 2007-09-01 WABAMUN F

SPACING PATTERN

SU 2700 7 Mar 1996

COMMINGLED PRODUCTION

MU 6445 12 Feb 2007

FIELD DESIGNATION

0726 2012-04-01 NETOOK FIELD

POOL DESIGNATION

0726 126001 2014-04-01 BELLY RIVER A
0726 126002 2014-06-01 BELLY RIVER B
0726 126003 2014-07-01 BELLY RIVER C

0726 176001 2014-01-01 CARDIUM A
0726 176007 2012-04-01 CARDIUM G
0726 176009 2007-12-01 CARDIUM I
0726 176010 2007-12-01 CARDIUM J

0726 192001 2007-02-01 DUNVEGAN A
0726 192002 2007-12-01 DUNVEGAN B

0726 232001 2007-07-01 CADOTTE A
0726 232002 2010-04-01 CADOTTE B

0726 271501 2012-03-01 FALHER A

0726 348001 2007-07-01 CADOMIN A

SPACING PATTERN

SU 4267 10 Jan 2005
SU 4267A 27 Jul 2005
SU 4267B 2 Oct 2006

FIELD DESIGNATION

0636 2015-07-01 NEVIS FIELD

POOL DESIGNATION

0636 118806 2010-04-01 LOWER EDMONTON F
0636 118807 2008-02-01 LOWER EDMONTON G
0636 118808 2012-09-01 LOWER EDMONTON H
0636 118809 2010-07-01 LOWER EDMONTON I
0636 118810 2010-10-01 LOWER EDMONTON J
0636 118811 2013-04-01 LOWER EDMONTON K
0636 118812 2013-04-01 LOWER EDMONTON L
0636 118813 2013-11-01 LOWER EDMONTON M
0636 118814 2015-07-01 LOWER EDMONTON N
0636 118815 2015-07-01 LOWER EDMONTON O

0636 126028 2013-12-01 BELLY RIVER BB
0636 126033 2017-12-01 BELLY RIVER GG
0636 126042 2010-09-01 BELLY RIVER PP
0636 126303 2010-02-01 BELLY RIVER CCC
0636 126304 2013-02-01 BELLY RIVER DDD
0636 126305 2013-04-01 BELLY RIVER EEE
0636 126306 2013-04-01 BELLY RIVER FFF
0636 126307 2015-07-01 BELLY RIVER GGG
0636 126308 2015-07-01 BELLY RIVER HHH

0636 134001 2005-07-01 BASAL BELLY RIVER A
0636 134003 2005-07-01 BASAL BELLY RIVER C
0636 134004 2010-04-01 BASAL BELLY RIVER D
0636 134005 2018-05-01 BASAL BELLY RIVER E
0636 134006 2006-04-01 BASAL BELLY RIVER F
0636 134007 2010-09-01 BASAL BELLY RIVER G
0636 134009 2011-03-01 BASAL BELLY RIVER I
0636 134010 2011-12-01 BASAL BELLY RIVER J
0636 134011 2013-09-01 BASAL BELLY RIVER K

0636 218001 2010-10-01 VIKING A

POOL DESIGNATION (cont'd)

| | |
|------------------------|-------------------|
| 0636 218004 2001-02-01 | VIKING D |
| 0636 218005 2005-12-01 | VIKING E |
| 0636 218006 2008-11-01 | VIKING F |
| 0636 218007 2009-03-01 | VIKING G |
| 0636 218008 2013-09-01 | VIKING H |
| 0636 218009 2015-07-01 | VIKING I |
| 0636 218010 2015-07-01 | VIKING J |
| | |
| 0636 244001 2001-02-01 | BLAIRMORE A |
| 0636 244002 2010-04-01 | BLAIRMORE B |
| 0636 244003 2012-05-01 | BLAIRMORE C |
| 0636 244004 2001-02-01 | BLAIRMORE D |
| 0636 244005 2001-02-01 | BLAIRMORE E |
| 0636 244006 2001-02-01 | BLAIRMORE F |
| 0636 244007 2001-02-01 | BLAIRMORE G |
| 0636 244008 2001-02-01 | BLAIRMORE H |
| 0636 244009 2017-12-01 | BLAIRMORE I |
| 0636 244010 2013-07-01 | BLAIRMORE J |
| | |
| 0636 248000 2015-07-01 | MANNVILLE |
| 0636 248001 2015-07-01 | MANNVILLE A |
| 0636 248002 2015-07-01 | MANNVILLE B |
| 0636 248003 2015-07-01 | MANNVILLE C |
| 0636 248004 2015-07-01 | MANNVILLE D |
| 0636 248005 2015-07-01 | MANNVILLE E |
| 0636 248006 2015-07-01 | MANNVILLE F |
| 0636 248007 2015-07-01 | MANNVILLE G |
| 0636 248008 2015-07-01 | MANNVILLE H |
| 0636 248009 2015-07-01 | MANNVILLE I |
| 0636 248010 2015-07-01 | MANNVILLE J |
| 0636 248011 2015-07-01 | MANNVILLE K |
| 0636 248012 2015-07-01 | MANNVILLE L |
| 0636 248013 2015-07-01 | MANNVILLE M |
| | |
| 0636 250001 2010-04-01 | UPPER MANNVILLE A |
| 0636 250002 2001-02-01 | UPPER MANNVILLE B |
| 0636 250007 2001-02-01 | UPPER MANNVILLE G |
| 0636 250008 2010-04-01 | UPPER MANNVILLE H |

POOL DESIGNATION (cont'd)

| | | |
|-------------|------------|--------------------|
| 0636 250009 | 2001-02-01 | UPPER MANNVILLE I |
| 0636 250010 | 2001-02-01 | UPPER MANNVILLE J |
| 0636 250011 | 2017-12-01 | UPPER MANNVILLE K |
| 0636 250012 | 2008-07-01 | UPPER MANNVILLE L |
| 0636 250013 | 2001-02-01 | UPPER MANNVILLE M |
| 0636 250014 | 2001-02-01 | UPPER MANNVILLE N |
| 0636 250015 | 2003-10-01 | UPPER MANNVILLE O |
| 0636 250016 | 2001-02-01 | UPPER MANNVILLE P |
| 0636 250017 | 2001-02-01 | UPPER MANNVILLE Q |
| 0636 250018 | 2001-02-01 | UPPER MANNVILLE R |
| 0636 250019 | 2001-02-01 | UPPER MANNVILLE S |
| 0636 250020 | 2001-02-01 | UPPER MANNVILLE T |
| 0636 250021 | 2001-02-01 | UPPER MANNVILLE U |
| 0636 250022 | 2001-02-01 | UPPER MANNVILLE V |
| 0636 250023 | 2010-04-01 | UPPER MANNVILLE W |
| 0636 250024 | 2001-12-01 | UPPER MANNVILLE X |
| 0636 250025 | 2001-12-01 | UPPER MANNVILLE Y |
| 0636 250026 | 2002-02-01 | UPPER MANNVILLE Z |
| 0636 250027 | 2003-07-01 | UPPER MANNVILLE AA |
| 0636 250028 | 2003-07-01 | UPPER MANNVILLE BB |
| 0636 250029 | 2004-02-01 | UPPER MANNVILLE CC |
| 0636 250030 | 2004-02-01 | UPPER MANNVILLE DD |
| 0636 250031 | 2004-05-01 | UPPER MANNVILLE EE |
| 0636 250032 | 2004-05-01 | UPPER MANNVILLE FF |
| 0636 250033 | 2015-04-01 | UPPER MANNVILLE GG |
| 0636 250034 | 2010-04-01 | UPPER MANNVILLE HH |
| 0636 250035 | 2012-05-01 | UPPER MANNVILLE II |
| 0636 250036 | 2006-03-01 | UPPER MANNVILLE JJ |
| 0636 250037 | 2005-09-01 | UPPER MANNVILLE KK |
| 0636 250038 | 2005-10-01 | UPPER MANNVILLE LL |
| 0636 250039 | 2006-01-01 | UPPER MANNVILLE MM |
| 0636 250040 | 2007-02-01 | UPPER MANNVILLE NN |
| 0636 250041 | 2008-10-01 | UPPER MANNVILLE OO |
| 0636 250042 | 2007-06-01 | UPPER MANNVILLE PP |
| 0636 250044 | 2008-09-01 | UPPER MANNVILLE RR |
| 0636 250045 | 2010-12-01 | UPPER MANNVILLE SS |
| 0636 310001 | 2001-02-01 | LOWER MANNVILLE A |

POOL DESIGNATION (cont'd)

| | | |
|-------------|------------|--------------------|
| 0636 310002 | 2001-02-01 | LOWER MANNVILLE B |
| 0636 310003 | 2002-10-01 | LOWER MANNVILLE C |
| 0636 310004 | 2001-02-01 | LOWER MANNVILLE D |
| 0636 310005 | 2001-02-01 | LOWER MANNVILLE E |
| 0636 310006 | 2001-02-01 | LOWER MANNVILLE F |
| 0636 310007 | 2002-10-01 | LOWER MANNVILLE G |
| 0636 310008 | 2001-02-01 | LOWER MANNVILLE H |
| 0636 310009 | 2001-02-01 | LOWER MANNVILLE I |
| 0636 310010 | 2003-02-01 | LOWER MANNVILLE J |
| 0636 310011 | 2006-01-01 | LOWER MANNVILLE K |
| 0636 310012 | 2010-04-01 | LOWER MANNVILLE L |
| 0636 310013 | 2001-02-01 | LOWER MANNVILLE M |
| 0636 310014 | 2004-01-01 | LOWER MANNVILLE N |
| 0636 310015 | 2002-02-01 | LOWER MANNVILLE O |
| 0636 310016 | 2001-02-01 | LOWER MANNVILLE P |
| 0636 310017 | 2001-02-01 | LOWER MANNVILLE Q |
| 0636 310018 | 2001-02-01 | LOWER MANNVILLE R |
| 0636 310019 | 2001-02-01 | LOWER MANNVILLE S |
| 0636 310020 | 2001-02-01 | LOWER MANNVILLE T |
| 0636 310021 | 2003-05-01 | LOWER MANNVILLE U |
| 0636 310022 | 2001-02-01 | LOWER MANNVILLE V |
| 0636 310023 | 2001-02-01 | LOWER MANNVILLE W |
| 0636 310024 | 2001-02-01 | LOWER MANNVILLE X |
| 0636 310026 | 2010-04-01 | LOWER MANNVILLE Z |
| 0636 310027 | 2001-02-01 | LOWER MANNVILLE AA |
| 0636 310028 | 2001-02-01 | LOWER MANNVILLE BB |
| 0636 310029 | 2001-02-01 | LOWER MANNVILLE CC |
| 0636 310030 | 2001-02-01 | LOWER MANNVILLE DD |
| 0636 310031 | 2001-02-01 | LOWER MANNVILLE EE |
| 0636 310032 | 2001-02-01 | LOWER MANNVILLE FF |
| 0636 310033 | 2001-02-01 | LOWER MANNVILLE GG |
| 0636 310034 | 2001-02-01 | LOWER MANNVILLE HH |
| 0636 310035 | 2001-02-01 | LOWER MANNVILLE II |
| 0636 310036 | 2001-02-01 | LOWER MANNVILLE JJ |
| 0636 310037 | 2001-02-01 | LOWER MANNVILLE KK |
| 0636 310038 | 2001-02-01 | LOWER MANNVILLE LL |
| 0636 310039 | 2001-02-01 | LOWER MANNVILLE MM |
| 0636 310040 | 2001-02-01 | LOWER MANNVILLE NN |

POOL DESIGNATION (cont'd)

| | | |
|-------------|------------|---------------------|
| 0636 310041 | 2001-02-01 | LOWER MANNVILLE OO |
| 0636 310042 | 2001-02-01 | LOWER MANNVILLE PP |
| 0636 310043 | 2001-03-01 | LOWER MANNVILLE QQ |
| 0636 310044 | 2001-03-01 | LOWER MANNVILLE RR |
| 0636 310046 | 2002-06-01 | LOWER MANNVILLE TT |
| 0636 310047 | 2002-09-01 | LOWER MANNVILLE UU |
| 0636 310048 | 2002-09-01 | LOWER MANNVILLE VV |
| 0636 310049 | 2002-09-01 | LOWER MANNVILLE WW |
| 0636 310050 | 2003-09-01 | LOWER MANNVILLE XX |
| 0636 310051 | 2003-09-01 | LOWER MANNVILLE YY |
| 0636 310052 | 2003-10-01 | LOWER MANNVILLE ZZ |
| 0636 310101 | 2004-01-01 | LOWER MANNVILLE AAA |
| 0636 310102 | 2006-05-01 | LOWER MANNVILLE BBB |
| 0636 310103 | 2004-04-01 | LOWER MANNVILLE CCC |
| 0636 310104 | 2005-07-01 | LOWER MANNVILLE DDD |
| 0636 310105 | 2005-03-01 | LOWER MANNVILLE EEE |
| 0636 310106 | 2005-11-01 | LOWER MANNVILLE FFF |
| 0636 310107 | 2010-04-01 | LOWER MANNVILLE GGG |
| 0636 310108 | 2010-04-01 | LOWER MANNVILLE HHH |
| 0636 310110 | 2005-10-01 | LOWER MANNVILLE JJJ |
| 0636 310111 | 2006-09-01 | LOWER MANNVILLE KKK |
| 0636 310112 | 2006-09-01 | LOWER MANNVILLE LLL |
| 0636 310113 | 2007-07-01 | LOWER MANNVILLE MMM |
| 0636 310114 | 2006-08-01 | LOWER MANNVILLE NNN |
| 0636 310115 | 2007-02-01 | LOWER MANNVILLE OOO |
| 0636 310116 | 2008-12-01 | LOWER MANNVILLE PPP |
| 0636 310117 | 2007-07-01 | LOWER MANNVILLE QQQ |
| 0636 310118 | 2008-05-01 | LOWER MANNVILLE RRR |
| 0636 310119 | 2008-12-01 | LOWER MANNVILLE SSS |
| 0636 310120 | 2008-08-01 | LOWER MANNVILLE TTT |
| 0636 310121 | 2008-12-01 | LOWER MANNVILLE UUU |
| 0636 310122 | 2009-03-01 | LOWER MANNVILLE VVV |
| 0636 310123 | 2009-02-01 | LOWER MANNVILLE WWW |
| 0636 310124 | 2009-04-01 | LOWER MANNVILLE XXX |
| 0636 310125 | 2009-05-01 | LOWER MANNVILLE YYY |
| 0636 310126 | 2009-06-01 | LOWER MANNVILLE ZZZ |
| 0636 310127 | 2010-08-01 | LOWER MANNVILLE A2A |

POOL DESIGNATION (cont'd)

| | |
|------------------------|----------|
| 0636 650000 2011-06-01 | DEVONIAN |
| 0636 658001 2001-02-01 | D-1 A |
| 0636 658002 2001-04-01 | D-1 B |
| 0636 658003 2005-06-01 | D-1 C |
| 0636 658005 2005-05-01 | D-1 E |
| 0636 658008 2004-02-01 | D-1 H |
| 0636 658009 2004-02-01 | D-1 I |
| 0636 658010 2004-05-01 | D-1 J |
| 0636 658011 2004-08-01 | D-1 K |
| 0636 658012 2004-06-01 | D-1 L |
| 0636 658013 2004-06-01 | D-1 M |
| 0636 658014 2008-11-01 | D-1 N |
| 0636 658015 2004-08-01 | D-1 O |
| 0636 658016 2010-04-01 | D-1 P |
| 0636 658017 2015-01-01 | D-1 Q |
| 0636 658018 2005-02-01 | D-1 R |
| 0636 658019 2005-06-01 | D-1 S |
| 0636 658020 2005-07-01 | D-1 T |
| 0636 658021 2005-07-01 | D-1 U |
| 0636 658022 2005-07-01 | D-1 V |
| 0636 658023 2010-04-01 | D-1 W |
| 0636 658024 2006-03-01 | D-1 X |
| 0636 658025 2006-07-01 | D-1 Y |
| 0636 658026 2006-05-01 | D-1 Z |
| 0636 658027 2006-08-01 | D-1 AA |
| 0636 658028 2010-04-01 | D-1 BB |
| 0636 658030 2007-02-01 | D-1 DD |
| 0636 658033 2007-08-01 | D-1 GG |
| 0636 658036 2009-01-01 | D-1 JJ |
| 0636 658037 2009-05-01 | D-1 KK |
| 0636 658038 2009-10-01 | D-1 LL |
| 0636 658039 2010-08-01 | D-1 MM |
| 0636 658040 2016-02-01 | D-1 NN |
| 0636 658041 2011-11-01 | D-1 OO |
| 0636 658042 2015-07-01 | D-1 PP |
| 0636 658043 2015-07-01 | D-1 QQ |
| 0636 658044 2015-07-01 | D-1 RR |

POOL DESIGNATION (cont'd)

0636 696001 2001-02-01 D-2 A
 0636 696002 2001-02-01 D-2 B
 0636 696003 2001-02-01 D-2 C
 0636 696004 2001-03-01 D-2 D
 0636 696005 2005-01-01 D-2 E

0636 720002 2010-04-01 D-3 B
 0636 720003 2001-02-01 D-3 C
 0636 720004 2001-02-01 D-3 D
 0636 720005 2001-02-01 D-3 E
 0636 720006 2010-04-01 D-3 F
 0636 720007 2010-04-01 D-3 G
 0636 720008 2001-02-01 D-3 H
 0636 720009 2001-02-01 D-3 I
 0636 720010 2001-02-01 D-3 J
 0636 720011 2013-07-01 D-3 K
 0636 720012 2015-07-01 D-3 L
 0636 720013 2015-07-01 D-3 M

0636 850900 2013-07-01 MFP8509 BELLY RIVER

0636 853700 2016-11-01 MFP8537 LWR EDMONTON

SPACING PATTERN

SU 4311 24 Mar 2006
 SU 4311A 21 Apr 2006
 SU 4311B 12 Jun 2006
 SU 4311C 4 Oct 2006
 SU 4311D 5 Sep 2007
 SU 4311E 21 Sep 2007

COMMINGLED PRODUCTION

MU 8741 7 Jul 2015

GAS ALLOWABLE

GA 322 1 Nov 1990

ENHANCED RECOVERY SCHEMES

App 11438E 22 Apr 2015
 Waterflood
 D-1 Q
 Longview Oil Corp.

App 12703 14 Mar 2018
 Waterflood
 Blairmore C
 HESC Energy Corporation

SUBSURFACE DISPOSAL SCHEMES

App 8499 23 Apr 1999
 Class II
 Canadian Natural Resources Limited

App 9541A 20 Aug 2015
 Class Ib
 Ketera Energy Ltd.

COMPULSORY POOLING

P 66 3 May 1984
 P 66B 23 Jul 2014
 Gas
 27-040-22W4M
 DEKALE Energy Canada Ltd

P 87 31 Dec 1986
 P 87A 27 Jul 1989
 P 87B 1 Oct 2008
 P 87C 1 Aug 2014
 Gas
 36-039-23W4M
 Ember Resources Inc.

P 88 21 Jan 1987
 Gas
 19-038-22W4M
 Tripet Resources Ltd.

P 136 12 Dec 1995
 P 136A 3 Oct 2007
 P 136B 1 Aug 2014
 Gas
 31-039-22W4M
 Ember Resources Inc.

COMPULSORY POOLING (cont'd)

P 383 13 Feb 2009
 Gas
 07-041-22W4M
 Emerald Bay Energy Inc. or Just Freehold
 Energy Corp.

P 390 7 May 2009
 Gas
 01-039-22W4M
 Canadian Natural Resources Limited

P 391 7 May 2009

P 391A 28 Jan 2010
 Gas
 25-039-23W4M
 Just Freehold Energy Corp.

P 404 17 Dec 2009
 Gas
 21-040-22W4M
 Canadian Natural Resources Limited

FIELD DESIGNATION

0641 2004-07-01 NEW NORWAY FIELD

POOL DESIGNATION

0641 106001 2004-11-01 EDMONTON A

0641 126002 2003-10-01 BELLY RIVER B
0641 126003 2004-11-01 BELLY RIVER C
0641 126004 2007-03-01 BELLY RIVER D
0641 126005 2010-04-01 BELLY RIVER E
0641 126006 2007-07-01 BELLY RIVER F
0641 126007 2011-04-01 BELLY RIVER G
0641 126008 2010-04-01 BELLY RIVER H
0641 126009 2010-04-01 BELLY RIVER I
0641 126010 2011-05-01 BELLY RIVER J
0641 126011 2013-04-01 BELLY RIVER K
0641 126012 2013-04-01 BELLY RIVER L

0641 134001 2011-11-01 BASAL BELLY RIVER A
0641 134002 2010-04-01 BASAL BELLY RIVER B

0641 218001 2001-02-01 VIKING A

0641 250001 2010-11-01 UPPER MANNVILLE A

0641 300001 2001-02-01 GLAUCONITIC A

0641 316001 2008-07-01 OSTRACOD A

0641 336001 2001-02-01 ELLERSLIE A
0641 336003 2001-02-01 ELLERSLIE C
0641 336004 2015-02-01 ELLERSLIE D
0641 336005 2001-02-01 ELLERSLIE E
0641 336006 2010-04-01 ELLERSLIE F
0641 336007 2001-02-01 ELLERSLIE G
0641 336009 2001-02-01 ELLERSLIE I

POOL DESIGNATION (cont'd)

0641 336010 2001-02-01 ELLERSLIE J
0641 336011 2006-08-01 ELLERSLIE K
0641 336012 2007-07-01 ELLERSLIE L

0641 658001 2001-02-01 D-1 A

0641 696000 2010-04-01 D-2

0641 720000 2007-11-01 D-3

SPACING PATTERN

SU 2787 2 Oct 1996
SU 2787A 16 Jul 2004
SU 2787B 7 Sep 2005
SU 2787C 9 Jun 2006

COMPULSORY POOLING (cont'd)

P 292 26 Oct 2005
P 292A 28 Jun 2016
Gas
26-045-22W4M
MGV Energy Inc.

COMMINGLED PRODUCTION

MU 8074 3 Oct 2011

SUBSURFACE DISPOSAL SCHEMES

App 8497 23 Apr 1999
Class II
Canadian Natural Resources Limited

COMPULSORY POOLING

P 291 26 Oct 2005
Gas
12-045-23W4M
MGV Energy Inc.

FIELD DESIGNATION

0639 2005-01-01 NEWBROOK FIELD

POOL DESIGNATION

0639 250001 2001-02-01 UPPER MANNVILLE A
0639 250003 2010-04-01 UPPER MANNVILLE C
0639 250004 2004-12-01 UPPER MANNVILLE D
0639 250005 2001-02-01 UPPER MANNVILLE E
0639 250006 2001-02-01 UPPER MANNVILLE F
0639 250008 2001-02-01 UPPER MANNVILLE H
0639 250009 2005-12-01 UPPER MANNVILLE I
0639 250010 2001-02-01 UPPER MANNVILLE J
0639 250011 2001-02-01 UPPER MANNVILLE K
0639 250012 2010-04-01 UPPER MANNVILLE L
0639 250013 2001-02-01 UPPER MANNVILLE M
0639 250014 2001-02-01 UPPER MANNVILLE N
0639 250015 2001-02-01 UPPER MANNVILLE O
0639 250017 2001-02-01 UPPER MANNVILLE Q
0639 250018 2001-02-01 UPPER MANNVILLE R
0639 250019 2001-02-01 UPPER MANNVILLE S
0639 250020 2010-04-01 UPPER MANNVILLE T
0639 250021 2011-11-01 UPPER MANNVILLE U
0639 250022 2001-02-01 UPPER MANNVILLE V
0639 250023 2001-02-01 UPPER MANNVILLE W
0639 250024 2001-02-01 UPPER MANNVILLE X
0639 250025 2001-02-01 UPPER MANNVILLE Y
0639 250026 2010-04-01 UPPER MANNVILLE Z
0639 250027 2001-02-01 UPPER MANNVILLE AA
0639 250028 2001-02-01 UPPER MANNVILLE BB
0639 250029 2001-02-01 UPPER MANNVILLE CC
0639 250030 2001-02-01 UPPER MANNVILLE DD
0639 250031 2001-02-01 UPPER MANNVILLE EE
0639 250032 2001-02-01 UPPER MANNVILLE FF
0639 250033 2001-02-01 UPPER MANNVILLE GG
0639 250034 2001-02-01 UPPER MANNVILLE HH
0639 250035 2001-02-01 UPPER MANNVILLE II

POOL DESIGNATION (cont'd)

| | | |
|-------------|------------|---------------------|
| 0639 250036 | 2001-02-01 | UPPER MANNVILLE JJ |
| 0639 250037 | 2001-02-01 | UPPER MANNVILLE KK |
| 0639 250038 | 2001-02-01 | UPPER MANNVILLE LL |
| 0639 250039 | 2001-02-01 | UPPER MANNVILLE MM |
| 0639 250040 | 2001-02-01 | UPPER MANNVILLE NN |
| 0639 250041 | 2001-02-01 | UPPER MANNVILLE OO |
| 0639 250042 | 2004-09-01 | UPPER MANNVILLE PP |
| 0639 250043 | 2001-02-01 | UPPER MANNVILLE QQ |
| 0639 250044 | 2001-02-01 | UPPER MANNVILLE RR |
| 0639 250045 | 2001-02-01 | UPPER MANNVILLE SS |
| 0639 250046 | 2001-02-01 | UPPER MANNVILLE TT |
| 0639 250047 | 2001-02-01 | UPPER MANNVILLE UU |
| 0639 250048 | 2001-02-01 | UPPER MANNVILLE VV |
| 0639 250049 | 2001-02-01 | UPPER MANNVILLE WW |
| 0639 250050 | 2001-02-01 | UPPER MANNVILLE XX |
| 0639 250051 | 2001-02-01 | UPPER MANNVILLE YY |
| 0639 250052 | 2009-02-01 | UPPER MANNVILLE ZZ |
| 0639 250701 | 2001-03-01 | UPPER MANNVILLE AAA |
| 0639 250702 | 2004-09-01 | UPPER MANNVILLE BBB |
| 0639 250703 | 2002-01-01 | UPPER MANNVILLE CCC |
| 0639 250704 | 2003-07-01 | UPPER MANNVILLE DDD |
| 0639 250705 | 2015-02-01 | UPPER MANNVILLE EEE |
| 0639 250706 | 2004-02-01 | UPPER MANNVILLE FFF |
| 0639 250707 | 2004-06-01 | UPPER MANNVILLE GGG |
| 0639 250708 | 2005-03-01 | UPPER MANNVILLE HHH |
| 0639 250709 | 2005-03-01 | UPPER MANNVILLE III |
| 0639 250710 | 2015-02-01 | UPPER MANNVILLE JJJ |
| 0639 250711 | 2005-11-01 | UPPER MANNVILLE KKK |
| 0639 250712 | 2007-09-01 | UPPER MANNVILLE LLL |
| 0639 250714 | 2008-10-01 | UPPER MANNVILLE NNN |
| 0639 250715 | 2007-09-01 | UPPER MANNVILLE OOO |
| 0639 250716 | 2007-09-01 | UPPER MANNVILLE PPP |
| 0639 250717 | 2007-09-01 | UPPER MANNVILLE QQQ |
| 0639 250718 | 2010-04-01 | UPPER MANNVILLE RRR |
| 0639 250719 | 2011-01-01 | UPPER MANNVILLE SSS |
| 0639 250720 | 2011-02-01 | UPPER MANNVILLE TTT |

| | | |
|-------------|------------|--------------|
| 0639 280001 | 2018-04-01 | CLEARWATER A |
|-------------|------------|--------------|

POOL DESIGNATION (cont'd)

| | | |
|-------------|------------|-------------------|
| 0639 310001 | 2015-02-01 | LOWER MANNVILLE A |
| 0639 310002 | 2001-02-01 | LOWER MANNVILLE B |
| 0639 310004 | 2001-02-01 | LOWER MANNVILLE D |
| 0639 310005 | 2013-09-01 | LOWER MANNVILLE E |
| | | |
| 0639 658005 | 2010-04-01 | WABAMUN E |
| 0639 658007 | 2010-04-01 | WABAMUN G |
| 0639 658008 | 2001-02-01 | WABAMUN H |
| 0639 658009 | 2001-02-01 | WABAMUN I |
| 0639 658010 | 2001-02-01 | WABAMUN J |
| 0639 658011 | 2002-06-01 | WABAMUN K |
| 0639 658012 | 2011-09-01 | WABAMUN L |
| 0639 658013 | 2006-09-01 | WABAMUN M |
| 0639 658014 | 2006-07-01 | WABAMUN N |
| | | |
| 0639 696001 | 2001-02-01 | NISKU A |
| 0639 696003 | 2002-02-01 | NISKU C |

COMMINGLED PRODUCTION

MU 5267 9 Feb 2006

FIELD DESIGNATION

0640 2008-08-01 NEWBY FIELD

POOL DESIGNATION

0640 262001 2009-05-01 GRAND RAPIDS A
0640 262002 2007-03-01 GRAND RAPIDS B

0640 280001 2001-02-01 CLEARWATER A
0640 280002 2001-02-01 CLEARWATER B
0640 280003 2010-04-01 CLEARWATER C
0640 280004 2001-02-01 CLEARWATER D
0640 280005 2001-02-01 CLEARWATER E
0640 280006 2001-02-01 CLEARWATER F
0640 280007 2001-02-01 CLEARWATER G
0640 280008 2001-02-01 CLEARWATER H
0640 280009 2010-04-01 CLEARWATER I
0640 280010 2001-02-01 CLEARWATER J
0640 280011 2005-05-01 CLEARWATER K
0640 280012 2005-05-01 CLEARWATER L
0640 280013 2001-03-01 CLEARWATER M
0640 280014 2001-09-01 CLEARWATER N
0640 280015 2008-07-01 CLEARWATER O
0640 280016 2002-11-01 CLEARWATER P
0640 280017 2007-09-01 CLEARWATER Q
0640 280018 2011-07-01 CLEARWATER R
0640 280019 2003-06-01 CLEARWATER S
0640 280020 2011-02-01 CLEARWATER T
0640 280021 2010-04-01 CLEARWATER U
0640 280023 2005-05-01 CLEARWATER W
0640 280024 2005-05-01 CLEARWATER X
0640 280025 2005-07-01 CLEARWATER Y
0640 280026 2005-07-01 CLEARWATER Z
0640 280027 2005-10-01 CLEARWATER AA
0640 280028 2010-04-01 CLEARWATER BB
0640 280029 2007-06-01 CLEARWATER CC
0640 280030 2007-03-01 CLEARWATER DD

POOL DESIGNATION (cont'd)

| | |
|------------------------|---------------------|
| 0640 280031 2007-03-01 | CLEARWATER EE |
| 0640 280032 2008-08-01 | CLEARWATER FF |
| 0640 280033 2008-08-01 | CLEARWATER GG |
| 0640 280034 2008-07-01 | CLEARWATER HH |
| 0640 280039 2007-09-01 | CLEARWATER MM |
| 0640 280040 2007-12-01 | CLEARWATER NN |
| 0640 280041 2008-05-01 | CLEARWATER OO |
| 0640 280042 2008-05-01 | CLEARWATER PP |
| 0640 280043 2013-07-01 | CLEARWATER QQ |
| 0640 280044 2018-05-01 | CLEARWATER RR |
| | |
| 0640 306001 2003-12-01 | WABISKAW A |
| 0640 306006 2001-03-01 | WABISKAW F |
| 0640 306007 2001-03-01 | WABISKAW G |
| 0640 306014 2003-12-01 | WABISKAW N |
| 0640 306018 2010-04-01 | WABISKAW R |
| 0640 306019 2010-04-01 | WABISKAW S |
| 0640 306020 2004-05-01 | WABISKAW T |
| 0640 306022 2004-02-01 | WABISKAW V |
| 0640 306023 2003-12-01 | WABISKAW W |
| 0640 306024 2004-03-01 | WABISKAW X |
| 0640 306025 2003-12-01 | WABISKAW Y |
| 0640 306026 2003-12-01 | WABISKAW Z |
| 0640 306027 2010-04-01 | WABISKAW AA |
| 0640 306028 2003-12-01 | WABISKAW BB |
| 0640 306029 2010-04-01 | WABISKAW CC |
| 0640 306030 2011-07-01 | WABISKAW DD |
| 0640 306031 2004-01-01 | WABISKAW EE |
| 0640 306032 2004-03-01 | WABISKAW FF |
| 0640 306033 2004-01-01 | WABISKAW GG |
| | |
| 0640 306201 2007-10-01 | WABISKAW-MCMURRAY A |
| 0640 306205 2001-02-01 | WABISKAW-MCMURRAY E |
| 0640 306206 2004-01-01 | WABISKAW-MCMURRAY F |
| 0640 306207 2010-04-01 | WABISKAW-MCMURRAY G |
| 0640 306208 2010-04-01 | WABISKAW-MCMURRAY H |
| 0640 306209 2004-01-01 | WABISKAW-MCMURRAY I |
| 0640 306210 2010-04-01 | WABISKAW-MCMURRAY J |

POOL DESIGNATION (cont'd)

| | |
|------------------------|---------------------|
| 0640 306211 2004-01-01 | WABISKAW-MCMURRAY K |
| 0640 328002 2010-04-01 | MCMURRAY B |
| 0640 328004 2010-04-01 | MCMURRAY D |
| 0640 328006 2010-04-01 | MCMURRAY F |
| 0640 328007 2001-02-01 | MCMURRAY G |
| 0640 328010 2010-04-01 | MCMURRAY J |
| 0640 328011 2010-04-01 | MCMURRAY K |
| 0640 328012 2006-02-01 | MCMURRAY L |
| 0640 328015 2004-08-01 | MCMURRAY O |
| 0640 328016 2004-03-01 | MCMURRAY P |
| 0640 328017 2001-02-01 | MCMURRAY Q |
| 0640 328019 2001-02-01 | MCMURRAY S |
| 0640 328022 2010-04-01 | MCMURRAY V |
| 0640 328026 2010-04-01 | MCMURRAY Z |
| 0640 328028 2010-04-01 | MCMURRAY BB |
| 0640 328029 2001-02-01 | MCMURRAY CC |
| 0640 328030 2001-02-01 | MCMURRAY DD |
| 0640 328031 2001-02-01 | MCMURRAY EE |
| 0640 328034 2001-02-01 | MCMURRAY HH |
| 0640 328035 2001-02-01 | MCMURRAY II |
| 0640 328036 2002-10-01 | MCMURRAY JJ |
| 0640 328037 2001-02-01 | MCMURRAY KK |
| 0640 328039 2001-02-01 | MCMURRAY MM |
| 0640 328041 2013-07-01 | MCMURRAY OO |
| 0640 328044 2001-02-01 | MCMURRAY RR |
| 0640 328046 2004-01-01 | MCMURRAY TT |
| 0640 328050 2001-03-01 | MCMURRAY XX |
| 0640 328051 2001-03-01 | MCMURRAY YY |
| 0640 328052 2001-03-01 | MCMURRAY ZZ |
| 0640 328605 2010-04-01 | MCMURRAY EEE |
| 0640 328609 2010-04-01 | MCMURRAY III |
| 0640 328620 2003-12-01 | MCMURRAY TTT |
| 0640 328624 2013-06-01 | MCMURRAY XXX |
| 0640 328625 2004-01-01 | MCMURRAY YYY |
| 0640 328626 2010-04-01 | MCMURRAY ZZZ |
| 0640 328627 2004-01-01 | MCMURRAY A2A |
| 0640 328628 2004-01-01 | MCMURRAY B2B |

POOL DESIGNATION (cont'd)

| | |
|------------------------|--------------|
| 0640 328629 2004-01-01 | MCMURRAY C2C |
| 0640 328630 2010-04-01 | MCMURRAY D2D |
| 0640 328631 2004-01-01 | MCMURRAY E2E |
| 0640 328633 2004-01-01 | MCMURRAY G2G |
| 0640 328634 2004-01-01 | MCMURRAY H2H |
| 0640 328635 2004-01-01 | MCMURRAY I2I |
| 0640 328636 2004-01-01 | MCMURRAY J2J |
| 0640 328637 2004-08-01 | MCMURRAY K2K |
| 0640 328638 2004-01-01 | MCMURRAY L2L |
| 0640 328639 2004-01-01 | MCMURRAY M2M |
| 0640 328640 2006-03-01 | MCMURRAY N2N |

COMMINGLED PRODUCTION

MU 7073 4 Nov 2008

SUBSURFACE DISPOSAL SCHEMES

App 7094B 4 Sept 2014
Class II
ConocoPhillips Canada Resources Corp.

App 9537 6 Aug 2003
Class II
Canadian Natural Resources Limited

App 9590A 6 Sept 2012
Class II
Canadian Natural Resources Limited

FIELD DESIGNATION

0642 2015-04-01 NEWELL FIELD

POOL DESIGNATION

0642 134004 2014-05-01 BASAL BELLY RIVER D

0642 213001 2002-05-01 BOW ISLAND A
0642 213002 2005-03-01 BOW ISLAND B
0642 213003 2006-01-01 BOW ISLAND C
0642 213004 2007-03-01 BOW ISLAND D
0642 213005 2007-03-01 BOW ISLAND E
0642 213006 2007-09-01 BOW ISLAND F
0642 213007 2008-05-01 BOW ISLAND G
0642 213008 2010-04-01 BOW ISLAND H
0642 213009 2010-06-01 BOW ISLAND I
0642 213010 2010-07-01 BOW ISLAND J
0642 213011 2010-09-01 BOW ISLAND K

0642 218001 2001-03-01 VIKING A
0642 218002 2005-05-01 VIKING B
0642 218003 2010-04-01 VIKING C

0642 242001 2006-01-01 BASAL COLORADO A
0642 242002 2006-01-01 BASAL COLORADO B

0642 250001 2001-02-01 UPPER MANNVILLE A
0642 250002 2015-04-01 UPPER MANNVILLE B
0642 250003 2003-05-01 UPPER MANNVILLE C
0642 250004 2003-06-01 UPPER MANNVILLE D
0642 250006 2003-06-01 UPPER MANNVILLE F
0642 250007 2003-09-01 UPPER MANNVILLE G
0642 250008 2017-02-01 UPPER MANNVILLE H
0642 250009 2005-03-01 UPPER MANNVILLE I
0642 250010 2005-02-01 UPPER MANNVILLE J
0642 250011 2005-06-01 UPPER MANNVILLE K
0642 250012 2006-04-01 UPPER MANNVILLE L

POOL DESIGNATION (cont'd)

| | |
|------------------------|-----------------------|
| 0642 250013 2007-01-01 | UPPER MANNVILLE M |
| 0642 250014 2006-01-01 | UPPER MANNVILLE N |
| 0642 250015 2006-05-01 | UPPER MANNVILLE O |
| 0642 250016 2006-05-01 | UPPER MANNVILLE P |
| 0642 250017 2006-07-01 | UPPER MANNVILLE Q |
| 0642 250018 2006-09-01 | UPPER MANNVILLE R |
| 0642 250019 2008-04-01 | UPPER MANNVILLE S |
| 0642 250020 2008-05-01 | UPPER MANNVILLE T |
| 0642 250021 2010-01-01 | UPPER MANNVILLE U |
| 0642 250022 2010-04-01 | UPPER MANNVILLE V |
| 0642 250023 2011-10-01 | UPPER MANNVILLE W |
| 0642 250024 2011-10-01 | UPPER MANNVILLE X |
| 0642 250025 2013-04-01 | UPPER MANNVILLE Y |
| 0642 250026 2013-12-01 | UPPER MANNVILLE Z |
| 0642 250027 2013-12-01 | UPPER MANNVILLE AA |
| | |
| 0642 310001 2001-02-01 | LOWER MANNVILLE A |
| 0642 310002 2001-02-01 | LOWER MANNVILLE B |
| 0642 310003 2004-01-01 | LOWER MANNVILLE C |
| 0642 310004 2010-04-01 | LOWER MANNVILLE D |
| 0642 310005 2010-02-01 | LOWER MANNVILLE E |
| 0642 310006 2012-05-01 | LOWER MANNVILLE F |
| | |
| 0642 850100 2015-04-01 | MFP8501 MILK RIVER |
| | |
| 0642 850200 2015-04-01 | MFP8502 MED HAT |
| | |
| 0642 850500 2015-04-01 | MFP8505 2WS |
| | |
| 0642 854700 2011-10-01 | MFP8547 BSL BELLY RIV |
| | |
| 0642 855000 2015-04-01 | MFP8550 BELLY RIVER |

SPACING PATTERN

| | |
|----------|-------------|
| SU 4114 | 14 Oct 2003 |
| SU 4114A | 12 Jan 2004 |
| SU 4114B | 10 Aug 2004 |
| SU 4114C | 28 Sep 2004 |
| SU 4114D | 17 Jan 2005 |
| SU 4114E | 5 Apr 2005 |
| SU 4114F | 24 May 2005 |
| SU 4114G | 27 Oct 2005 |
| SU 4114H | 24 May 2007 |
| SU 4114I | 11 Jun 2007 |

COMMINGLED PRODUCTION

| | |
|---------|------------|
| MU 7553 | 5 Oct 2010 |
|---------|------------|

FIELD DESIGNATION

0643 2009-04-01 NEWTON FIELD

POOL DESIGNATION

0643 126001 2003-07-01 BELLY RIVER A

0643 218001 2001-02-01 VIKING A

0643 218002 2012-01-01 VIKING B

0643 250001 2010-04-01 UPPER MANNVILLE A

0643 250002 2001-02-01 UPPER MANNVILLE B

0643 250003 2003-09-01 UPPER MANNVILLE C

0643 250004 2008-11-01 UPPER MANNVILLE D

0643 250005 2010-11-01 UPPER MANNVILLE E

0643 250006 2009-08-01 UPPER MANNVILLE F

0643 250007 2009-10-01 UPPER MANNVILLE G

0643 310001 2001-02-01 LOWER MANNVILLE A

0643 310002 2001-02-01 LOWER MANNVILLE B

0643 310003 2010-04-01 LOWER MANNVILLE C

0643 310004 2012-01-01 LOWER MANNVILLE D

0643 310007 2009-01-01 LOWER MANNVILLE G

0643 310008 2005-12-01 LOWER MANNVILLE H

0643 310009 2009-01-01 LOWER MANNVILLE I

0643 310010 2009-01-01 LOWER MANNVILLE J

0643 310011 2009-06-01 LOWER MANNVILLE K

0643 310012 2009-10-01 LOWER MANNVILLE L

0643 310013 2009-11-01 LOWER MANNVILLE M

0643 310014 2009-05-01 LOWER MANNVILLE N

0643 310015 2009-08-01 LOWER MANNVILLE O

0643 310016 2009-11-01 LOWER MANNVILLE P

0643 351001 2010-10-01 DETRITAL-BANFF A

0643 644001 2010-06-01 BANFF A

COMMINGLED PRODUCTION

MU 6493 27 Feb 2007

FIELD DESIGNATION

1186 2001-10-01 NINA FIELD

POOL DESIGNATION

1186 305001 2007-10-01 BLUESKY-GETHING A
1186 305002 2007-09-01 BLUESKY-GETHING B

SPACING PATTERN

SU 3077 29 Nov 2001

SUBSURFACE DISPOSAL SCHEMES

App 9420 9 Apr 2003
Class II
Baytex Energy Ltd.

FIELD DESIGNATION

1187 2012-04-01 NINASTOKO FIELD

POOL DESIGNATION

1187 610001 2001-02-01 RUNDLE A

1187 644001 2001-10-01 BANFF A

1187 649001 2013-05-01 LWR BANFF-EXSHAW-BV A

1187 649002 2013-03-01 LWR BANFF-EXSHAW-BV B

FIELD DESIGNATION

0652 2010-11-01 NIPIN FIELD

POOL DESIGNATION

0652 262001 2010-04-01 GRAND RAPIDS A
0652 262002 2010-11-01 GRAND RAPIDS B
0652 262003 2010-11-01 GRAND RAPIDS C

0652 328001 2002-02-01 MCMURRAY A
0652 328002 2002-11-01 MCMURRAY B
0652 328003 2004-06-01 MCMURRAY C

FIELD DESIGNATION

0644 2018-05-01 NIPISI FIELD

POOL DESIGNATION

0644 228001 2015-04-01 PEACE RIVER A

0644 262001 2009-12-01 GRAND RAPIDS A

0644 264001 2015-04-01 SPIRIT RIVER A
0644 264002 2015-04-01 SPIRIT RIVER B
0644 264003 2015-04-01 SPIRIT RIVER C
0644 264004 2015-04-01 SPIRIT RIVER D
0644 264005 2015-04-01 SPIRIT RIVER E
0644 264006 2015-04-01 SPIRIT RIVER F
0644 264007 2015-04-01 SPIRIT RIVER G
0644 264008 2015-04-01 SPIRIT RIVER H
0644 264009 2015-04-01 SPIRIT RIVER I

0644 280001 2010-09-01 CLEARWATER A
0644 280002 2010-09-01 CLEARWATER B
0644 280004 2009-03-01 CLEARWATER D
0644 280005 2009-03-01 CLEARWATER E
0644 280006 2018-05-01 CLEARWATER F
0644 280007 2018-05-01 CLEARWATER G

0644 758001 2001-03-01 SLAVE POINT A
0644 758002 2001-02-01 SLAVE POINT B
0644 758003 2004-08-01 SLAVE POINT C
0644 758004 2012-12-01 SLAVE POINT D
0644 758005 2013-06-01 SLAVE POINT E
0644 758006 2015-04-01 SLAVE POINT F
0644 758007 2015-04-01 SLAVE POINT G
0644 758008 2015-04-01 SLAVE POINT H
0644 758009 2015-04-01 SLAVE POINT I
0644 758010 2015-04-01 SLAVE POINT J
0644 758011 2015-04-01 SLAVE POINT K

POOL DESIGNATION (cont'd)

| | |
|------------------------|------------------|
| 0644 758012 2015-04-01 | SLAVE POINT L |
| 0644 758013 2015-04-01 | SLAVE POINT M |
| 0644 758014 2015-04-01 | SLAVE POINT N |
| 0644 758015 2015-04-01 | SLAVE POINT O |
| 0644 758016 2015-04-01 | SLAVE POINT P |
| 0644 758017 2015-04-01 | SLAVE POINT Q |
| 0644 758018 2015-04-01 | SLAVE POINT R |
| | |
| 0644 765501 2015-03-01 | GILWOOD A |
| 0644 765503 2010-04-01 | GILWOOD C |
| 0644 765505 2008-06-01 | GILWOOD E |
| 0644 765507 2010-04-01 | GILWOOD G |
| 0644 765508 2010-04-01 | GILWOOD H |
| 0644 765509 2010-04-01 | GILWOOD I |
| 0644 765510 2012-01-01 | GILWOOD J |
| 0644 765511 2008-06-01 | GILWOOD K |
| 0644 765512 2008-06-01 | GILWOOD L |
| 0644 765513 2008-06-01 | GILWOOD M |
| 0644 765514 2008-06-01 | GILWOOD N |
| 0644 765515 2008-06-01 | GILWOOD O |
| 0644 765516 2012-05-01 | GILWOOD P |
| 0644 765517 2013-02-01 | GILWOOD Q |
| 0644 765518 2012-11-01 | GILWOOD R |
| 0644 765519 2015-04-01 | GILWOOD S |
| 0644 765520 2015-04-01 | GILWOOD T |
| | |
| 0644 773501 2013-03-01 | KEG RIVER SAND A |
| 0644 773505 2017-09-01 | KEG RIVER SAND E |
| 0644 773506 2017-09-01 | KEG RIVER SAND F |
| 0644 773507 2017-09-01 | KEG RIVER SAND G |
| 0644 773508 2017-09-01 | KEG RIVER SAND H |
| 0644 773509 2017-09-01 | KEG RIVER SAND I |
| 0644 773510 2017-09-01 | KEG RIVER SAND J |
| 0644 773511 2017-09-01 | KEG RIVER SAND K |
| 0644 773512 2017-09-01 | KEG RIVER SAND L |
| 0644 773513 2017-09-01 | KEG RIVER SAND M |
| 0644 773514 2008-05-01 | KEG RIVER SAND N |
| 0644 773515 2008-05-01 | KEG RIVER SAND O |

POOL DESIGNATION (cont'd)

| | | |
|-------------|------------|--------------------|
| 0644 773516 | 2008-05-01 | KEG RIVER SAND P |
| 0644 773521 | 2008-05-01 | KEG RIVER SAND U |
| 0644 773522 | 2008-05-01 | KEG RIVER SAND V |
| 0644 773523 | 2011-04-01 | KEG RIVER SAND W |
| 0644 773524 | 2015-05-01 | KEG RIVER SAND X |
| 0644 773525 | 2015-05-01 | KEG RIVER SAND Y |
| 0644 773526 | 2015-05-01 | KEG RIVER SAND Z |
| 0644 773527 | 2015-04-01 | KEG RIVER SAND AA |
| 0644 773528 | 2015-05-01 | KEG RIVER SAND BB |
| 0644 773529 | 2015-05-01 | KEG RIVER SAND CC |
| 0644 773530 | 2015-04-01 | KEG RIVER SAND DD |
| 0644 773531 | 2015-04-01 | KEG RIVER SAND EE |
| 0644 773532 | 2017-09-01 | KEG RIVER SAND FF |
| 0644 773534 | 2015-04-01 | KEG RIVER SAND HH |
| 0644 773535 | 2015-04-01 | KEG RIVER SAND II |
| 0644 773536 | 2015-04-01 | KEG RIVER SAND JJ |
| 0644 773537 | 2015-04-01 | KEG RIVER SAND KK |
| 0644 773538 | 2015-05-01 | KEG RIVER SAND LL |
| 0644 773539 | 2015-04-01 | KEG RIVER SAND MM |
| 0644 773540 | 2017-09-01 | KEG RIVER SAND NN |
| 0644 773542 | 2015-05-01 | KEG RIVER SAND PP |
| 0644 773543 | 2015-05-01 | KEG RIVER SAND QQ |
| 0644 773544 | 2017-09-01 | KEG RIVER SAND RR |
| 0644 773545 | 2015-04-01 | KEG RIVER SAND SS |
| 0644 773546 | 2015-04-01 | KEG RIVER SAND TT |
| 0644 773547 | 2015-04-01 | KEG RIVER SAND UU |
| 0644 773548 | 2015-04-01 | KEG RIVER SAND VV |
| 0644 773549 | 2015-04-01 | KEG RIVER SAND WW |
| 0644 773550 | 2015-04-01 | KEG RIVER SAND XX |
| 0644 773551 | 2015-04-01 | KEG RIVER SAND YY |
| 0644 773552 | 2015-04-01 | KEG RIVER SAND ZZ |
| 0644 773602 | 2015-04-01 | KEG RIVER SAND BBB |
| 0644 773603 | 2015-04-01 | KEG RIVER SAND CCC |
| 0644 773604 | 2015-05-01 | KEG RIVER SAND DDD |
| 0644 773605 | 2015-04-01 | KEG RIVER SAND EEE |
| 0644 773606 | 2015-04-01 | KEG RIVER SAND FFF |
| 0644 773607 | 2015-04-01 | KEG RIVER SAND GGG |
| 0644 773608 | 2015-04-01 | KEG RIVER SAND HHH |

POOL DESIGNATION (cont'd)

| | | |
|-------------|------------|--------------------|
| 0644 773609 | 2015-04-01 | KEG RIVER SAND III |
| 0644 773610 | 2015-05-01 | KEG RIVER SAND JJJ |
| 0644 773611 | 2015-05-01 | KEG RIVER SAND KKK |
| 0644 773612 | 2015-05-01 | KEG RIVER SAND LLL |
| 0644 773613 | 2015-05-01 | KEG RIVER SAND MMM |
| 0644 773614 | 2015-05-01 | KEG RIVER SAND NNN |
| 0644 773615 | 2015-05-01 | KEG RIVER SAND OOO |
| 0644 773616 | 2015-05-01 | KEG RIVER SAND PPP |
| 0644 773617 | 2016-02-01 | KEG RIVER SAND QQQ |

SPACING PATTERN

| | |
|----------|-------------|
| SU 2994 | 21 Aug 2000 |
| SU 2994A | 25 Jun 2004 |

COMMINGLED PRODUCTION

| | |
|---------|------------|
| MU 8813 | 8 Jun 2017 |
|---------|------------|

ENHANCED RECOVERY SCHEMES

| | |
|------------------------------------|-------------|
| App 9868D | 3 Nov 2015 |
| Waterflood | |
| Gilwood A | |
| Anterra Energy Inc. | |
| App 9956P | 12 Apr 2018 |
| Chemical | |
| Gilwood A | |
| Canadian Natural Resources Limited | |
| App 10947D | 13 Jun 2016 |
| Waterflood | |
| Gilwood A | |
| Canadian Natural Resources Limited | |

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

| | |
|------------------------|-------------|
| App 11966F | 19 Mar 2018 |
| Waterflood | |
| Slave Point D | |
| Surge Energy Inc. | |
| App 6003E | 17 Nov 2015 |
| Waterflood | |
| Keg River Sandstone A | |
| Summerland Energy Inc. | |
| App 7837H | 26 Jul 2017 |
| Waterflood | |
| Keg River Sandstone N | |
| XTO Energy Canada ULC | |
| App 8098F | 15 Dec 2015 |
| Waterflood | |
| Keg River Sand EEE | |
| Vermilion Energy Inc. | |
| App 8099G | 15 Dec 2015 |
| Waterflood | |
| Keg River Sand BBB | |
| Vermilion Energy Inc. | |

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

App 9948D 15 Dec 2015
Waterflood
Keg River Sand DD, MM, RR
Vermilion Energy Inc.

App 10841E 15 Dec 2015
Waterflood
Keg River Sand CC
Vermilion Energy Inc.

App 11092C 15 Dec 2015
Waterflood
Keg River Sand Y
Vermilion Energy Inc.

App 12692A 29 May 2018
Waterflood
Clearwater F Pool
Spur Petroleum Ltd.

SUBSURFACE DISPOSAL SCHEMES

App 5120H 12 Jan 2017
Class II
Canadian Natural Resources Limited

App 7599A 27 May 2013
Class II
Sabanero Energy Corp.

App 11210D 16 Mar 2017
Class II
Firenze Energy Ltd.

App 11776A 12 Apr 2012
Class II
Plains Midstream Canada Ulc

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

App 10958G 1 Mar 2018
Class II
Summerland Energy Inc.

App 10977C 22 Sep 2015
Class II
Vermilion Energy Inc.

App 11159D 22 Sep 2015
Class II
Mistahiya Resources Ltd.

EXPERIMENTAL SCHEMES

App 12009A 1 Oct 2013
Pekisko
Canadian Natural Resources Limited
Expires 1 Feb 2015

FIELD DESIGNATION

0650 2012-05-01 NITON FIELD

POOL DESIGNATION

0650 106001 2010-04-01 EDMONTON A
0650 106002 2008-05-01 EDMONTON B

0650 176001 2001-02-01 CARDIUM A
0650 176002 2001-02-01 CARDIUM B
0650 176003 2010-04-01 CARDIUM C
0650 176004 2001-02-01 CARDIUM D
0650 176005 2012-06-01 CARDIUM E
0650 176006 2003-08-01 CARDIUM F
0650 176007 2001-02-01 CARDIUM G
0650 176008 2001-02-01 CARDIUM H
0650 176009 2001-02-01 CARDIUM I
0650 176010 2001-02-01 CARDIUM J
0650 176011 2010-04-01 CARDIUM K
0650 176012 2001-02-01 CARDIUM L
0650 176013 2001-05-01 CARDIUM M
0650 176014 2002-10-01 CARDIUM N
0650 176016 2006-11-01 CARDIUM P
0650 176017 2008-10-01 CARDIUM Q
0650 176018 2014-02-01 CARDIUM R
0650 176019 2014-10-01 CARDIUM S
0650 176020 2015-07-01 CARDIUM T

0650 250002 2007-07-01 UPPER MANNVILLE B
0650 250003 2007-10-01 UPPER MANNVILLE C
0650 250004 2008-11-01 UPPER MANNVILLE D
0650 250006 2008-05-01 UPPER MANNVILLE F
0650 250007 2009-01-01 UPPER MANNVILLE G
0650 250008 2009-01-01 UPPER MANNVILLE H
0650 250009 2009-10-01 UPPER MANNVILLE I
0650 250010 2012-04-01 UPPER MANNVILLE J

POOL DESIGNATION (cont'd)

| | |
|------------------------|-------------------|
| 0650 310002 2009-03-01 | LOWER MANNVILLE B |
| 0650 334001 2011-04-01 | BASAL QUARTZ A |
| 0650 334003 2001-02-01 | BASAL QUARTZ C |
| 0650 334005 2001-02-01 | BASAL QUARTZ E |
| 0650 334007 2001-02-01 | BASAL QUARTZ G |
| 0650 334009 2001-02-01 | BASAL QUARTZ I |
| 0650 334010 2001-02-01 | BASAL QUARTZ J |
| 0650 334011 2001-02-01 | BASAL QUARTZ K |
| 0650 334014 2001-02-01 | BASAL QUARTZ N |
| 0650 334016 2001-02-01 | BASAL QUARTZ P |
| 0650 334017 2001-02-01 | BASAL QUARTZ Q |
| 0650 334018 2001-03-01 | BASAL QUARTZ R |
| 0650 334019 2002-03-01 | BASAL QUARTZ S |
| 0650 334020 2002-03-01 | BASAL QUARTZ T |
| 0650 334021 2003-07-01 | BASAL QUARTZ U |
| 0650 334022 2003-09-01 | BASAL QUARTZ V |
| 0650 334023 2004-08-01 | BASAL QUARTZ W |
| 0650 334024 2004-10-01 | BASAL QUARTZ X |
| 0650 334025 2005-07-01 | BASAL QUARTZ Y |
| 0650 334027 2005-05-01 | BASAL QUARTZ AA |
| 0650 334030 2008-10-01 | BASAL QUARTZ DD |
| 0650 334031 2011-10-01 | BASAL QUARTZ EE |
| 0650 432001 2010-04-01 | ROCK CREEK A |
| 0650 432002 2001-02-01 | ROCK CREEK B |
| 0650 432006 2011-04-01 | ROCK CREEK F |
| 0650 432007 2001-02-01 | ROCK CREEK G |
| 0650 432008 2010-04-01 | ROCK CREEK H |
| 0650 432009 2001-02-01 | ROCK CREEK I |
| 0650 432010 2001-02-01 | ROCK CREEK J |
| 0650 432011 2001-02-01 | ROCK CREEK K |
| 0650 432012 2001-02-01 | ROCK CREEK L |
| 0650 432013 2001-02-01 | ROCK CREEK M |
| 0650 432014 2001-02-01 | ROCK CREEK N |
| 0650 432015 2001-02-01 | ROCK CREEK O |
| 0650 432016 2001-02-01 | ROCK CREEK P |
| 0650 432017 2011-04-01 | ROCK CREEK Q |

POOL DESIGNATION (cont'd)

0650 432021 2003-10-01 ROCK CREEK U
0650 432022 2004-05-01 ROCK CREEK V
0650 432023 2006-10-01 ROCK CREEK W
0650 432024 2006-04-01 ROCK CREEK X

SPACING PATTERN

SU 2452 12 Dec 1995
SU 2452A 2 Dec 1999
SU 2452B 16 Feb 2000
SU 2452C 12 May 2000
SU 2452D 1 Jun 2005
SU 2452E 7 Feb 2006

For gas production in association

COMMINGLED PRODUCTION

MU 3561 17 Jun 2004

ENHANCED RECOVERY SCHEMES

App 9768C 11 Oct 2017
Waterflood
Rock Creek F
Cenovus Energy Inc.

App 10137E 12 Jun 2017
Waterflood
Rock Creek N
Journey Energy Inc.

App 11061G 5 Jul 2017
Waterflood
Rock Creek W
Journey Energy Inc.

SUBSURFACE DISPOSAL SCHEMES

App 8290C 4 Apr 2013
Class Ib
Newalta Corporation

COMPULSORY POOLING

P 172 3 Nov 1998
P 172A 24 Feb 2009
Gas
09-055-13W5M
Penn West Petroleum Ltd.

FIELD DESIGNATION

0651 2005-02-01 NIXON FIELD

POOL DESIGNATION

0651 218001 2008-07-01 VIKING A

0651 262001 2001-02-01 GRAND RAPIDS A
0651 262002 2001-02-01 GRAND RAPIDS B
0651 262003 2001-02-01 GRAND RAPIDS C
0651 262004 2005-02-01 GRAND RAPIDS D
0651 262005 2001-03-01 GRAND RAPIDS E
0651 262007 2007-03-01 GRAND RAPIDS G
0651 262008 2009-02-01 GRAND RAPIDS H

0651 280001 2001-02-01 CLEARWATER A
0651 280002 2001-02-01 CLEARWATER B
0651 280003 2011-01-01 CLEARWATER C
0651 280004 2011-01-01 CLEARWATER D

0651 310005 2011-08-01 LOWER MANNVILLE E
0651 310010 2010-04-01 LOWER MANNVILLE J
0651 310013 2004-08-01 LOWER MANNVILLE M
0651 310014 2001-02-01 LOWER MANNVILLE N
0651 310016 2010-04-01 LOWER MANNVILLE P
0651 310017 2004-09-01 LOWER MANNVILLE Q
0651 310018 2010-04-01 LOWER MANNVILLE R
0651 310019 2004-09-01 LOWER MANNVILLE S
0651 310020 2005-11-01 LOWER MANNVILLE T
0651 310021 2008-04-01 LOWER MANNVILLE U
0651 310022 2017-04-01 LOWER MANNVILLE V
0651 310023 2008-04-01 LOWER MANNVILLE W
0651 310024 2008-04-01 LOWER MANNVILLE X
0651 310025 2010-08-01 LOWER MANNVILLE Y
0651 310026 2008-07-01 LOWER MANNVILLE Z
0651 310027 2008-07-01 LOWER MANNVILLE AA
0651 310028 2009-02-01 LOWER MANNVILLE BB

POOL DESIGNATION (cont'd)

0651 328002 2017-10-01 MCMURRAY B

0651 716001 2010-04-01 GROSMONT A

SPACING PATTERN

SU 3084 10 Jan 2002

COMMINGLED PRODUCTION

MU 6436 9 Feb 2007

SUBSURFACE DISPOSAL SCHEMES

App 9455D 23 Apr 2012
Class II
Canadian Natural Resources Limited

FIELD DESIGNATION

1189 2004-06-01 NOLAND FIELD

POOL DESIGNATION

1189 644001 2008-11-01 BANFF A

FIELD DESIGNATION

0653 2001-02-01 NORDEGG FIELD

POOL DESIGNATION

0653 500001 2010-04-01 TRIASSIC A

0653 610001 2010-04-01 RUNDLE A

SPACING PATTERN

SU 4082 2 Jun 2003

COMMINGLED PRODUCTION

MU 228 10 Nov 1978

FIELD DESIGNATION

0654 2014-08-01 NORMANDVILLE FIELD

POOL DESIGNATION

0654 230001 2002-02-01 PADDY A

0654 264001 2001-02-01 SPIRIT RIVER A

0654 264002 2001-02-01 SPIRIT RIVER B

0654 264003 2001-02-01 SPIRIT RIVER C

0654 304001 2001-02-01 BLUESKY A

0654 304002 2001-02-01 BLUESKY B

0654 326001 2015-02-01 GETHING A

0654 446001 2001-02-01 JURASSIC A

0654 524005 2015-02-01 MONTNEY E

0654 524006 2001-03-01 MONTNEY F

0654 524008 2013-11-01 MONTNEY H

0654 524011 2006-11-01 MONTNEY K

0654 524012 2010-04-01 MONTNEY L

0654 524013 2006-11-01 MONTNEY M

0654 524014 2013-06-01 MONTNEY N

0654 524022 2013-08-01 MONTNEY V

0654 556001 2001-10-01 BELLOY A

0654 556002 2001-10-01 BELLOY B

0654 600001 2011-02-01 MISSISSIPPIAN A

0654 600002 2016-05-01 MISSISSIPPIAN B

0654 600003 2014-10-01 MISSISSIPPIAN C

0654 600004 2004-11-01 MISSISSIPPIAN D

0654 600005 2010-07-01 MISSISSIPPIAN E

0654 600006 2010-04-01 MISSISSIPPIAN F

0654 600008 2001-02-01 MISSISSIPPIAN H

POOL DESIGNATION (cont'd)

| | | |
|-------------|------------|------------------|
| 0654 600009 | 2001-02-01 | MISSISSIPPIAN I |
| 0654 600010 | 2005-04-01 | MISSISSIPPIAN J |
| 0654 600011 | 2001-03-01 | MISSISSIPPIAN K |
| 0654 600012 | 2001-03-01 | MISSISSIPPIAN L |
| 0654 600014 | 2014-10-01 | MISSISSIPPIAN N |
| 0654 600017 | 2001-02-01 | MISSISSIPPIAN Q |
| 0654 600018 | 2011-05-01 | MISSISSIPPIAN R |
| 0654 600019 | 2001-02-01 | MISSISSIPPIAN S |
| 0654 600021 | 2001-02-01 | MISSISSIPPIAN U |
| 0654 600022 | 2010-05-01 | MISSISSIPPIAN V |
| 0654 600023 | 2001-07-01 | MISSISSIPPIAN W |
| 0654 600024 | 2002-02-01 | MISSISSIPPIAN X |
| 0654 600025 | 2002-04-01 | MISSISSIPPIAN Y |
| 0654 600026 | 2002-04-01 | MISSISSIPPIAN Z |
| 0654 600027 | 2004-10-01 | MISSISSIPPIAN AA |
| | | |
| 0654 612002 | 2010-01-01 | DEBOLT B |
| 0654 612003 | 2010-05-01 | DEBOLT C |
| 0654 612004 | 2011-03-01 | DEBOLT D |
| | | |
| 0654 642001 | 2001-02-01 | PEKISKO A |
| 0654 642002 | 2010-04-01 | PEKISKO B |
| 0654 642003 | 2013-07-01 | PEKISKO C |
| | | |
| 0654 644001 | 2007-06-01 | BANFF A |
| | | |
| 0654 658001 | 2010-04-01 | D-1 A |
| 0654 658002 | 2001-02-01 | D-1 B |
| 0654 658003 | 2001-11-01 | D-1 C |
| 0654 658004 | 2001-02-01 | D-1 D |
| 0654 658005 | 2001-11-01 | D-1 E |
| 0654 658006 | 2003-09-01 | D-1 F |
| 0654 658007 | 2001-04-01 | D-1 G |
| 0654 658008 | 2013-08-01 | D-1 H |
| | | |
| 0654 720001 | 2010-04-01 | D-3 A |
| 0654 720002 | 2010-04-01 | D-3 B |
| 0654 720003 | 2001-02-01 | D-3 C |

POOL DESIGNATION (cont'd)

0654 744001 2010-04-01 BEAVERHILL LAKE A
0654 765501 2008-06-01 GILWOOD A
0654 797501 2013-12-01 GRANITE WASH A
0654 797502 2013-07-01 GRANITE WASH B

SPACING PATTERN

SU 2455 20 Dec 1995
SU 2455A 10 Jul 2001
SU 2455B 1 Mar 2002
SU 2455C 16 Jul 2004
SU 2455D 24 Aug 2005
SU 2455E 1 Mar 2006
SU 2455F 10 Jul 2007

COMMINGLED PRODUCTION

MU 8792 19 May 2016

SUBSURFACE DISPOSAL SCHEMES

App 8231B 24 Jul 2014
Class III Acid Gas
Canadian Natural Resources Limited

App 10756B 24 Jul 2014
Class II
Canadian Natural Resources Limited

App 11964E 5 Dec 2014
Class II
Long Run Exploration Ltd.

FIELD DESIGNATION

0656 2010-02-01 NORRIS FIELD

POOL DESIGNATION

0656 134001 2005-07-01 BASAL BELLY RIVER A
0656 134002 2005-07-01 BASAL BELLY RIVER B
0656 134003 2005-07-01 BASAL BELLY RIVER C

0656 202001 2005-05-01 FISH SCALE A

0656 221001 2010-04-01 MIDDLE VIKING A
0656 221002 2010-04-01 MIDDLE VIKING B
0656 221004 2001-02-01 MIDDLE VIKING D
0656 221005 2001-03-01 MIDDLE VIKING E

0656 224001 2010-04-01 LOWER VIKING A
0656 224002 2001-02-01 LOWER VIKING B
0656 224003 2015-02-01 LOWER VIKING C

0656 250004 2001-02-01 UPPER MANNVILLE D
0656 250007 2010-04-01 UPPER MANNVILLE G
0656 250008 2003-11-01 UPPER MANNVILLE H
0656 250010 2001-02-01 UPPER MANNVILLE J
0656 250011 2001-02-01 UPPER MANNVILLE K
0656 250013 2001-02-01 UPPER MANNVILLE M
0656 250014 2001-02-01 UPPER MANNVILLE N
0656 250018 2001-02-01 UPPER MANNVILLE R
0656 250019 2001-02-01 UPPER MANNVILLE S
0656 250020 2010-04-01 UPPER MANNVILLE T
0656 250021 2001-02-01 UPPER MANNVILLE U
0656 250023 2001-02-01 UPPER MANNVILLE W
0656 250024 2001-02-01 UPPER MANNVILLE X
0656 250025 2010-04-01 UPPER MANNVILLE Y
0656 250026 2001-02-01 UPPER MANNVILLE Z
0656 250028 2001-02-01 UPPER MANNVILLE BB
0656 250029 2001-02-01 UPPER MANNVILLE CC

POOL DESIGNATION (cont'd)

| | | |
|-------------|------------|---------------------|
| 0656 250030 | 2001-02-01 | UPPER MANNVILLE DD |
| 0656 250031 | 2001-02-01 | UPPER MANNVILLE EE |
| 0656 250032 | 2010-04-01 | UPPER MANNVILLE FF |
| 0656 250033 | 2001-02-01 | UPPER MANNVILLE GG |
| 0656 250034 | 2001-02-01 | UPPER MANNVILLE HH |
| 0656 250035 | 2001-02-01 | UPPER MANNVILLE II |
| 0656 250036 | 2001-02-01 | UPPER MANNVILLE JJ |
| 0656 250037 | 2001-02-01 | UPPER MANNVILLE KK |
| 0656 250038 | 2001-02-01 | UPPER MANNVILLE LL |
| 0656 250039 | 2001-02-01 | UPPER MANNVILLE MM |
| 0656 250040 | 2001-02-01 | UPPER MANNVILLE NN |
| 0656 250041 | 2001-02-01 | UPPER MANNVILLE OO |
| 0656 250042 | 2001-02-01 | UPPER MANNVILLE PP |
| 0656 250043 | 2003-08-01 | UPPER MANNVILLE QQ |
| 0656 250044 | 2001-02-01 | UPPER MANNVILLE RR |
| 0656 250045 | 2003-04-01 | UPPER MANNVILLE SS |
| 0656 250046 | 2010-04-01 | UPPER MANNVILLE TT |
| 0656 250047 | 2001-02-01 | UPPER MANNVILLE UU |
| 0656 250048 | 2009-07-01 | UPPER MANNVILLE VV |
| 0656 250049 | 2001-02-01 | UPPER MANNVILLE WW |
| 0656 250050 | 2001-02-01 | UPPER MANNVILLE XX |
| 0656 250051 | 2001-02-01 | UPPER MANNVILLE YY |
| 0656 250052 | 2001-02-01 | UPPER MANNVILLE ZZ |
| 0656 250701 | 2001-02-01 | UPPER MANNVILLE AAA |
| 0656 250702 | 2001-03-01 | UPPER MANNVILLE BBB |
| 0656 250703 | 2003-02-01 | UPPER MANNVILLE CCC |
| 0656 250704 | 2004-05-01 | UPPER MANNVILLE DDD |
| 0656 250705 | 2004-03-01 | UPPER MANNVILLE EEE |
| 0656 250706 | 2004-11-01 | UPPER MANNVILLE FFF |
| 0656 250707 | 2004-11-01 | UPPER MANNVILLE GGG |
| 0656 250708 | 2004-12-01 | UPPER MANNVILLE HHH |
| 0656 250709 | 2005-05-01 | UPPER MANNVILLE III |
| 0656 250710 | 2006-09-01 | UPPER MANNVILLE JJJ |
| 0656 250711 | 2013-07-01 | UPPER MANNVILLE KKK |
| 0656 250712 | 2006-07-01 | UPPER MANNVILLE LLL |
| 0656 250713 | 2006-07-01 | UPPER MANNVILLE MMM |
| 0656 250714 | 2006-08-01 | UPPER MANNVILLE NNN |
| 0656 250715 | 2007-04-01 | UPPER MANNVILLE OOO |

POOL DESIGNATION (cont'd)

0656 250716 2007-08-01 UPPER MANNVILLE PPP
 0656 250717 2007-07-01 UPPER MANNVILLE QQQ
 0656 250718 2007-08-01 UPPER MANNVILLE RRR
 0656 250720 2007-10-01 UPPER MANNVILLE TTT
 0656 250721 2007-10-01 UPPER MANNVILLE UUU
 0656 250722 2007-10-01 UPPER MANNVILLE VVV
 0656 250723 2008-07-01 UPPER MANNVILLE WWW
 0656 250724 2008-03-01 UPPER MANNVILLE XXX
 0656 250725 2008-11-01 UPPER MANNVILLE YYY
 0656 250726 2008-11-01 UPPER MANNVILLE ZZZ
 0656 250727 2008-07-01 UPPER MANNVILLE A2A
 0656 250728 2008-07-01 UPPER MANNVILLE B2B
 0656 250729 2011-01-01 UPPER MANNVILLE C2C
 0656 250730 2011-05-01 UPPER MANNVILLE D2D
 0656 250731 2011-06-01 UPPER MANNVILLE E2E

0656 310002 2001-02-01 LOWER MANNVILLE B
 0656 310003 2001-02-01 LOWER MANNVILLE C
 0656 310004 2001-02-01 LOWER MANNVILLE D
 0656 310006 2001-02-01 LOWER MANNVILLE F
 0656 310007 2001-02-01 LOWER MANNVILLE G
 0656 310008 2001-02-01 LOWER MANNVILLE H
 0656 310009 2001-02-01 LOWER MANNVILLE I
 0656 310010 2010-04-01 LOWER MANNVILLE J
 0656 310011 2004-07-01 LOWER MANNVILLE K
 0656 310012 2008-09-01 LOWER MANNVILLE L
 0656 310013 2007-10-01 LOWER MANNVILLE M
 0656 310015 2013-07-01 LOWER MANNVILLE O

SPACING PATTERN

COMMINGLED PRODUCTION

SU 2864 17 Mar 1998
 SU 2864A 3 Jan 2001
 SU 2864B 12 Apr 2001
 SU 2864C 26 Feb 2003
 SU 2864D 24 Apr 2003
 SU 2864E 22 Dec 2003
 SU 2864F 12 Sep 2007

MU 7802 14 Apr 2011

ENHANCED RECOVERY SCHEMES

App 9635F 10 Jul 2017
Waterflood
Upper Mannville H
Point Bar Resources Inc.

SUBSURFACE DISPOSAL SCHEMES

App 3682E 24 Nov 2016
Class II
Tidewater Midstream and Infrastructure Ltd.

App 8824A 18 Jan 2013
Class II
Border Petroleum Corp.

COMPULSORY POOLING

P 296 20 Apr 2006
Gas
01-054-19W4M
Daylight Energy Ltd.

FIELD DESIGNATION

1190 2001-02-01 NORTH STAR FIELD

POOL DESIGNATION

1190 304001 2001-02-01 BLUESKY A
1190 305001 2010-04-01 BLUESKY-GETHING A
1190 307201 2001-02-01 BLUESKY-DEBOLT A
1190 556001 2010-04-01 BELLOY A
1190 612001 2001-02-01 DEBOLT A

SPACING PATTERN

SU 2706 7 Mar 1996

SUBSURFACE DISPOSAL SCHEMES

App 10022B 31 Jan 2012
Class Ib
Bonavista Energy Corporation

FIELD DESIGNATION

1191 2001-02-01 NORTH VALLEY FIELD

POOL DESIGNATION

1191 610001 2010-04-01 RUNDLE A

FIELD DESIGNATION

0732 2014-06-01 NORTHVILLE FIELD

POOL DESIGNATION

0732 134001 2014-06-01 BASAL BELLY RIVER A
0732 134002 2014-06-01 BASAL BELLY RIVER B
0732 134003 2014-06-01 BASAL BELLY RIVER C

0732 176001 2001-02-01 CARDIUM A

0732 218001 2018-02-01 VIKING A

0732 250001 2009-09-01 UPPER MANNVILLE A

0732 266001 2010-04-01 NOTIKEWIN A

0732 300001 2009-10-01 GLAUCONITIC A
0732 300002 2010-09-01 GLAUCONITIC B
0732 300003 2010-04-01 GLAUCONITIC C
0732 300004 2008-06-01 GLAUCONITIC D
0732 300005 2009-11-01 GLAUCONITIC E
0732 300006 2012-01-01 GLAUCONITIC F
0732 300007 2011-10-01 GLAUCONITIC G

0732 336002 2001-02-01 ELLERSLIE B
0732 336003 2009-02-01 ELLERSLIE C
0732 336004 2009-05-01 ELLERSLIE D

0732 432001 2001-02-01 ROCK CREEK A
0732 432002 2001-02-01 ROCK CREEK B
0732 432003 2001-02-01 ROCK CREEK C
0732 432004 2012-05-01 ROCK CREEK D
0732 432005 2004-01-01 ROCK CREEK E
0732 432006 2004-08-01 ROCK CREEK F
0732 432007 2006-08-01 ROCK CREEK G
0732 432009 2009-08-01 ROCK CREEK I

POOL DESIGNATION (cont'd)

| | | |
|-------------|------------|--------------|
| 0732 432011 | 2009-05-01 | ROCK CREEK K |
| 0732 432013 | 2014-06-01 | ROCK CREEK M |
| 0732 432014 | 2014-06-01 | ROCK CREEK N |
| 0732 432015 | 2014-06-01 | ROCK CREEK O |
| 0732 432016 | 2014-06-01 | ROCK CREEK P |
| 0732 432018 | 2014-06-01 | ROCK CREEK R |
| 0732 432019 | 2014-06-01 | ROCK CREEK S |
| 0732 432020 | 2015-07-01 | ROCK CREEK T |
| 0732 432021 | 2014-06-01 | ROCK CREEK U |
| 0732 432022 | 2016-05-01 | ROCK CREEK V |
| 0732 432026 | 2014-06-01 | ROCK CREEK Z |

| | | |
|-------------|------------|------------|
| 0732 446001 | 2001-02-01 | JURASSIC A |
| 0732 446004 | 2010-04-01 | JURASSIC D |
| 0732 446005 | 2007-02-01 | JURASSIC E |
| 0732 446006 | 2001-02-01 | JURASSIC F |
| 0732 446007 | 2010-04-01 | JURASSIC G |
| 0732 446008 | 2009-08-01 | JURASSIC H |

SPACING PATTERN

| | |
|----------|-------------|
| SU 4220 | 20 Sep 2004 |
| SU 4220A | 13 Feb 2006 |
| SU 4220B | 12 Dec 2006 |

COMMINGLED PRODUCTION

| | |
|---------|-------------|
| MU 7379 | 16 Jul 2010 |
|---------|-------------|

ENHANCED RECOVERY SCHEMES

App 11452D 5 Nov 2015
Waterflood
Rock Creek T
Surge Energy Inc.

FIELD DESIGNATION

0657 2014-01-01 NOSEHILL FIELD

POOL DESIGNATION

0657 126002 2015-03-01 BELLY RIVER B
0657 134001 2012-04-01 BASAL BELLY RIVER A
0657 218001 2001-03-01 VIKING A
0657 218002 2011-06-01 VIKING B
0657 304001 2006-11-01 BLUESKY A
0657 304002 2011-11-01 BLUESKY B
0657 326001 2007-05-01 GETHING A
0657 326002 2011-11-01 GETHING B
0657 326003 2009-08-01 GETHING C
0657 348001 2012-01-01 CADOMIN A
0657 348002 2007-05-01 CADOMIN B
0657 348003 2010-04-01 CADOMIN C
0657 348004 2011-05-01 CADOMIN D
0657 348015 2010-04-01 CADOMIN O
0657 720001 2001-02-01 D-3 A
0657 858300 2012-03-01 MFP8583 SPIRIT RIVER
0657 860200 2014-06-01 MFP8602 CARDIUM

SPACING PATTERN

SU 2696 2 Apr 1996
SU 2696A 11 Sep 2003
SU 2696B 22 Dec 2003
SU 2696C 2 Aug 2005
SU 2696D 15 Dec 2005
SU 2696E 31 Jan 2006
SU 2696F 3 Aug 2007

COMMINGLED PRODUCTION

MU 8309 24 Jan 2012

SUBSURFACE DISPOSAL SCHEMES

App 11342 26 Jun 2009
Class Ib
Secure Energy Services Inc.