

**FIELD DESIGNATION**

0403 2009-09-01 GADSBY FIELD

**POOL DESIGNATION**

0403 118804 2006-11-01 LOWER EDMONTON D

0403 118806 2013-07-01 LOWER EDMONTON F

0403 126007 2010-05-01 BELLY RIVER G

0403 126014 2004-11-01 BELLY RIVER N

0403 218001 2001-02-01 VIKING A

0403 218002 2001-02-01 VIKING B

0403 218003 2001-02-01 VIKING C

0403 218005 2013-04-01 VIKING E

0403 218006 2006-10-01 VIKING F

0403 218018 2006-11-01 VIKING R

0403 218019 2008-05-01 VIKING S

0403 218020 2008-05-01 VIKING T

0403 218021 2013-09-01 VIKING U

0403 218022 2013-09-01 VIKING V

0403 248001 2010-04-01 MANNVILLE A

0403 248002 2001-09-01 MANNVILLE B

0403 248003 2001-02-01 MANNVILLE C

0403 248005 2001-02-01 MANNVILLE E

0403 248006 2001-02-01 MANNVILLE F

0403 248007 2001-02-01 MANNVILLE G

0403 248008 2001-02-01 MANNVILLE H

0403 248009 2009-03-01 MANNVILLE I

0403 248010 2010-04-01 MANNVILLE J

0403 248011 2001-02-01 MANNVILLE K

0403 248012 2001-02-01 MANNVILLE L

0403 248013 2001-02-01 MANNVILLE M

0403 248014 2011-11-01 MANNVILLE N

0403 248015 2001-02-01 MANNVILLE O

0403 248016 2001-02-01 MANNVILLE P

**POOL DESIGNATION (cont'd)**

0403 248017 2010-04-01	MANNVILLE Q
0403 248018 2001-02-01	MANNVILLE R
0403 248019 2010-04-01	MANNVILLE S
0403 248020 2001-02-01	MANNVILLE T
0403 248021 2001-02-01	MANNVILLE U
0403 248022 2001-02-01	MANNVILLE V
0403 248023 2001-02-01	MANNVILLE W
0403 248024 2001-02-01	MANNVILLE X
0403 248025 2001-02-01	MANNVILLE Y
0403 248026 2014-03-01	MANNVILLE Z
0403 248027 2001-02-01	MANNVILLE AA
0403 248028 2001-02-01	MANNVILLE BB
0403 248030 2001-02-01	MANNVILLE DD
0403 248031 2001-02-01	MANNVILLE EE
0403 248032 2001-02-01	MANNVILLE FF
0403 248033 2001-02-01	MANNVILLE GG
0403 248034 2001-02-01	MANNVILLE HH
0403 248035 2001-03-01	MANNVILLE II
0403 248036 2001-08-01	MANNVILLE JJ
0403 248037 2012-12-01	MANNVILLE KK
0403 248038 2006-11-01	MANNVILLE LL
0403 248040 2005-09-01	MANNVILLE NN
0403 248041 2010-04-01	MANNVILLE OO
0403 248042 2005-10-01	MANNVILLE PP
0403 248043 2006-06-01	MANNVILLE QQ
0403 248044 2005-11-01	MANNVILLE RR
0403 248045 2006-10-01	MANNVILLE SS
0403 248046 2009-09-01	MANNVILLE TT
0403 853500 2011-01-01	MFP8535 BSL BELLY RIV
0403 853800 2010-08-01	MFP8538 VIKING
0403 853900 2013-10-01	MFP8539 LWR EDMONTON

**SPACING PATTERN**

SU 2321	12 Sep 1995
SU 2321A	21 Feb 1996
SU 2321B	12 Mar 1997
SU 2321C	25 Jul 2000
SU 2321D	24 Nov 2004
SU 2321E	2 Dec 2004
SU 2321F	16 Apr 2005
SU 2321G	11 Aug 2005
SU 2321H	16 Nov 2005
SU 2321I	13 Dec 2005
SU 2321J	21 Sep 2007

**COMMINGLED PRODUCTION**

MU 8169      25 Oct 2011

**SUBSURFACE DISPOSAL SCHEMES**

App 7954B    12 Jul 2013  
Class II  
Questfire Energy Corp.

**FIELD DESIGNATION**

0393 2014-06-01            GAGE FIELD

**POOL DESIGNATION**

0393 230001 2005-12-01    PADDY A

0393 264001 2004-09-01    SPIRIT RIVER A  
0393 264002 2005-05-01    SPIRIT RIVER B  
0393 264003 2006-11-01    SPIRIT RIVER C

0393 266001 2006-10-01    NOTIKEWIN A

0393 326001 2010-04-01    GETHING A  
0393 326002 2010-04-01    GETHING B  
0393 326003 2006-11-01    GETHING C  
0393 326005 2007-07-01    GETHING E

0393 524003 2007-11-01    MONTNEY C

0393 606001 2002-10-01    KISKATINAW A  
0393 606002 2002-07-01    KISKATINAW B

**SPACING PATTERN**

SU 4298            5 Jul 2005

**COMMINGLED PRODUCTION**

MU 6256            15 Nov 2006

**ENHANCED RECOVERY SCHEMES**

App 11315E    8 Jul 2014  
Waterflood  
Montney B  
Polar Star Canadian Oil and Gas Inc.

**FIELD DESIGNATION**

0404 2001-07-01 GALAHAD FIELD

**POOL DESIGNATION**

0404 218001 2011-05-01 VIKING A  
0404 218002 2012-05-01 VIKING B  
0404 218003 2012-10-01 VIKING C  
0404 218004 2013-11-01 VIKING D

0404 288001 2009-12-01 REX A  
0404 288002 2009-12-01 REX B  
0404 288003 2011-05-01 REX C

0404 294001 2001-02-01 LLOYDMINSTER A  
0404 294002 2001-02-01 LLOYDMINSTER B  
0404 294003 2001-02-01 LLOYDMINSTER C  
0404 294004 2001-02-01 LLOYDMINSTER D  
0404 294005 2001-02-01 LLOYDMINSTER E  
0404 294006 2003-05-01 LLOYDMINSTER F  
0404 294007 2003-07-01 LLOYDMINSTER G  
0404 294008 2005-10-01 LLOYDMINSTER H  
0404 294009 2010-04-01 LLOYDMINSTER I  
0404 294010 2009-01-01 LLOYDMINSTER J  
0404 294011 2009-01-01 LLOYDMINSTER K  
0404 294012 2009-06-01 LLOYDMINSTER L  
0404 294013 2009-12-01 LLOYDMINSTER M  
0404 294014 2010-07-01 LLOYDMINSTER N

0404 300001 2001-02-01 GLAUCONITIC A  
0404 300002 2001-02-01 GLAUCONITIC B  
0404 300004 2001-02-01 GLAUCONITIC D  
0404 300005 2005-03-01 GLAUCONITIC E  
0404 300006 2001-02-01 GLAUCONITIC F  
0404 300007 2010-04-01 GLAUCONITIC G  
0404 300008 2001-02-01 GLAUCONITIC H  
0404 300009 2001-02-01 GLAUCONITIC I

**POOL DESIGNATION (cont'd)**

0404 300010 2001-02-01	GLAUCONITIC J
0404 300011 2001-02-01	GLAUCONITIC K
0404 300014 2003-07-01	GLAUCONITIC N
0404 300015 2009-01-01	GLAUCONITIC O
0404 300016 2009-01-01	GLAUCONITIC P
0404 300017 2009-04-01	GLAUCONITIC Q
0404 300018 2009-12-01	GLAUCONITIC R
0404 300019 2011-04-01	GLAUCONITIC S
0404 300020 2017-08-01	GLAUCONITIC T
0404 300021 2012-07-01	GLAUCONITIC U
0404 300022 2012-07-01	GLAUCONITIC V
0404 300023 2014-07-01	GLAUCONITIC W
0404 310001 2004-12-01	LOWER MANNVILLE A
0404 310002 2005-08-01	LOWER MANNVILLE B
0404 310003 2010-04-01	LOWER MANNVILLE C
0404 316001 2010-04-01	OSTRACOD A
0404 336001 2005-09-01	ELLERSLIE A
0404 336002 2001-02-01	ELLERSLIE B
0404 336004 2010-04-01	ELLERSLIE D
0404 336005 2001-02-01	ELLERSLIE E
0404 336006 2001-02-01	ELLERSLIE F
0404 336007 2001-02-01	ELLERSLIE G
0404 336008 2001-02-01	ELLERSLIE H
0404 336009 2001-02-01	ELLERSLIE I
0404 336010 2001-02-01	ELLERSLIE J
0404 336011 2010-04-01	ELLERSLIE K
0404 336012 2001-02-01	ELLERSLIE L
0404 336013 2001-02-01	ELLERSLIE M
0404 336014 2001-02-01	ELLERSLIE N
0404 336015 2001-02-01	ELLERSLIE O
0404 336016 2001-02-01	ELLERSLIE P
0404 336017 2001-02-01	ELLERSLIE Q
0404 336018 2003-10-01	ELLERSLIE R
0404 336019 2001-02-01	ELLERSLIE S
0404 336020 2004-07-01	ELLERSLIE T

**POOL DESIGNATION (cont'd)**

0404 336021	2004-12-01	ELLERSLIE U
0404 336022	2005-02-01	ELLERSLIE V
0404 336023	2009-01-01	ELLERSLIE W
0404 336024	2006-04-01	ELLERSLIE X
0404 336025	2007-02-01	ELLERSLIE Y
0404 336026	2007-03-01	ELLERSLIE Z
0404 336027	2007-03-01	ELLERSLIE AA
0404 336028	2007-08-01	ELLERSLIE BB
0404 336029	2008-02-01	ELLERSLIE CC
0404 336030	2009-08-01	ELLERSLIE DD
0404 336031	2009-01-01	ELLERSLIE EE
0404 336033	2010-04-01	ELLERSLIE GG
0404 336034	2010-08-01	ELLERSLIE HH
0404 336035	2012-01-01	ELLERSLIE II
0404 708001	2001-02-01	CAMROSE A

**SPACING PATTERN**

SU 4090      24 Jul 2003

**COMMINGLED PRODUCTION**

MU 2748      23 Oct 2002

**SUBSURFACE DISPOSAL SCHEMES**

App 7943A    22 Feb 2012  
Class II  
Arsenal Energy Inc.

App 8406B    11 Dec 2008  
Class III Acid Gas  
Husky Oil Operations Limited

App 9686C    1 Mar 2017  
Class II  
Prairie Provident Resources Canada Ltd.

**FIELD DESIGNATION**

0407 2010-12-01                      GAMBLER FIELD

**POOL DESIGNATION**

0407 218001 2001-02-01            VIKING A

0407 218002 2001-02-01            VIKING B

0407 218003 2001-02-01            VIKING C

0407 218004 2010-12-01            VIKING D

0407 256001 2006-09-01            COLONY A

0407 256002 2001-02-01            COLONY B

0407 256003 2002-11-01            COLONY C

0407 262001 2010-04-01            GRAND RAPIDS A

0407 262002 2001-02-01            GRAND RAPIDS B

0407 262003 2010-04-01            GRAND RAPIDS C

0407 262004 2001-02-01            GRAND RAPIDS D

0407 262005 2006-07-01            GRAND RAPIDS E

0407 262006 2001-02-01            GRAND RAPIDS F

0407 262007 2010-04-01            GRAND RAPIDS G

0407 262008 2006-07-01            GRAND RAPIDS H

0407 262009 2006-07-01            GRAND RAPIDS I

0407 262010 2001-02-01            GRAND RAPIDS J

0407 262011 2001-02-01            GRAND RAPIDS K

0407 262012 2004-07-01            GRAND RAPIDS L

0407 262013 2001-02-01            GRAND RAPIDS M

0407 262014 2001-02-01            GRAND RAPIDS N

0407 262015 2001-02-01            GRAND RAPIDS O

0407 262016 2001-02-01            GRAND RAPIDS P

0407 262017 2001-02-01            GRAND RAPIDS Q

0407 262018 2001-02-01            GRAND RAPIDS R

0407 262020 2001-02-01            GRAND RAPIDS T

0407 262021 2001-02-01            GRAND RAPIDS U

0407 262022 2001-02-01            GRAND RAPIDS V

0407 262023 2010-04-01            GRAND RAPIDS W

0407 262024 2011-08-01            GRAND RAPIDS X



**POOL DESIGNATION (cont'd)**

0407 262025 2011-09-01	GRAND RAPIDS Y
0407 262026 2001-02-01	GRAND RAPIDS Z
0407 262027 2001-02-01	GRAND RAPIDS AA
0407 262028 2001-02-01	GRAND RAPIDS BB
0407 262029 2001-04-01	GRAND RAPIDS CC
0407 262030 2001-04-01	GRAND RAPIDS DD
0407 262031 2002-11-01	GRAND RAPIDS EE
0407 262032 2002-11-01	GRAND RAPIDS FF
0407 262033 2004-05-01	GRAND RAPIDS GG
0407 262034 2004-07-01	GRAND RAPIDS HH
0407 262035 2005-04-01	GRAND RAPIDS II
0407 262036 2005-09-01	GRAND RAPIDS JJ
0407 262037 2005-09-01	GRAND RAPIDS KK
0407 262038 2006-02-01	GRAND RAPIDS LL
0407 262039 2006-08-01	GRAND RAPIDS MM
0407 262040 2007-07-01	GRAND RAPIDS NN
0407 262041 2007-07-01	GRAND RAPIDS OO
0407 262042 2008-03-01	GRAND RAPIDS PP
0407 262043 2007-12-01	GRAND RAPIDS QQ
0407 262044 2008-03-01	GRAND RAPIDS RR
0407 262045 2012-05-01	GRAND RAPIDS SS
0407 262046 2009-01-01	GRAND RAPIDS TT
0407 262047 2010-12-01	GRAND RAPIDS UU
0407 262048 2011-11-01	GRAND RAPIDS VV
0407 262049 2010-12-01	GRAND RAPIDS WW
0407 262050 2011-06-01	GRAND RAPIDS XX
0407 262051 2014-06-01	GRAND RAPIDS YY
0407 262052 2011-09-01	GRAND RAPIDS ZZ
0407 262501 2011-12-01	GRAND RAPIDS AAA
0407 262502 2012-02-01	GRAND RAPIDS BBB
0407 280001 2002-11-01	CLEARWATER A
0407 280002 2010-04-01	CLEARWATER B
0407 306001 2001-02-01	WABISKAW A
0407 328001 2001-02-01	MCMURRAY A
0407 328002 2001-02-01	MCMURRAY B

**POOL DESIGNATION (cont'd)**

0407 328003	2001-05-01	MCMURRAY C
0407 328004	2011-11-01	MCMURRAY D
0407 328005	2011-02-01	MCMURRAY E
0407 350001	2001-02-01	DETRITAL A
0407 350002	2015-02-01	DETRITAL B
0407 658001	2010-04-01	WABAMUN A
0407 658002	2010-04-01	WABAMUN B
0407 658003	2001-02-01	WABAMUN C
0407 658004	2010-04-01	WABAMUN D
0407 658005	2001-02-01	WABAMUN E
0407 658007	2001-02-01	WABAMUN G
0407 658008	2006-07-01	WABAMUN H
0407 658009	2008-03-01	WABAMUN I
0407 658010	2009-02-01	WABAMUN J
0407 658011	2009-02-01	WABAMUN K
0407 696001	2001-02-01	NISKU A

**SPACING PATTERN**

SU 2335      8 Sep 1995

**COMMINGLED PRODUCTION**

MU 8043      26 Sep 2011

**SUBSURFACE DISPOSAL SCHEMES**

App 10178    20 Jan 2005  
Class II  
Husky Oil Operations Limited

**INDEX OF AER ORDERS AND APPROVALS**

**GAP**

**GAP LAKE AREA**

**1089**

**August 2017**

**Page 1 of 1**

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**SPACING PATTERN**

SU 2657      28 Mar 1996

**FIELD DESIGNATION**

0406 2014-03-01                      GARDEN PLAINS FIELD

**POOL DESIGNATION**

0406 126001 2006-10-01            BELLY RIVER A

0406 126002 2012-01-01            BELLY RIVER B

0406 134001 2010-04-01            BASAL BELLY RIVER A

0406 134002 2005-12-01            BASAL BELLY RIVER B

0406 160001 2008-07-01            COLORADO A

0406 218001 2001-02-01            VIKING A

0406 218002 2001-02-01            VIKING B

0406 218003 2001-02-01            VIKING C

0406 218004 2001-02-01            VIKING D

0406 218005 2002-05-01            VIKING E

0406 218006 2001-02-01            VIKING F

0406 218007 2012-06-01            VIKING G

0406 218008 2010-04-01            VIKING H

0406 218009 2005-11-01            VIKING I

0406 218010 2005-12-01            VIKING J

0406 218011 2010-04-01            VIKING K

0406 218012 2010-04-01            VIKING L

0406 218013 2010-04-01            VIKING M

0406 218015 2006-10-01            VIKING O

0406 218016 2010-04-01            VIKING P

0406 218020 2009-05-01            VIKING T

0406 218021 2010-06-01            VIKING U

0406 218022 2010-11-01            VIKING V

0406 218023 2010-11-01            VIKING W

0406 218024 2013-04-01            VIKING X

0406 218025 2013-12-01            VIKING Y

0406 242001 2001-02-01            BASAL COLORADO A

0406 242002 2004-01-01            BASAL COLORADO B

**POOL DESIGNATION (cont'd)**

0406 242003 2010-04-01	BASAL COLORADO C
0406 250001 2001-02-01	UPPER MANNVILLE A
0406 250002 2002-03-01	UPPER MANNVILLE B
0406 250003 2002-03-01	UPPER MANNVILLE C
0406 250004 2001-02-01	UPPER MANNVILLE D
0406 250005 2001-02-01	UPPER MANNVILLE E
0406 250006 2010-04-01	UPPER MANNVILLE F
0406 250008 2001-02-01	UPPER MANNVILLE H
0406 250011 2010-04-01	UPPER MANNVILLE K
0406 250012 2013-04-01	UPPER MANNVILLE L
0406 250013 2001-02-01	UPPER MANNVILLE M
0406 250014 2001-02-01	UPPER MANNVILLE N
0406 250015 2001-02-01	UPPER MANNVILLE O
0406 250016 2010-06-01	UPPER MANNVILLE P
0406 250017 2002-05-01	UPPER MANNVILLE Q
0406 250018 2010-04-01	UPPER MANNVILLE R
0406 250019 2001-02-01	UPPER MANNVILLE S
0406 250020 2001-03-01	UPPER MANNVILLE T
0406 250021 2001-02-01	UPPER MANNVILLE U
0406 250022 2001-02-01	UPPER MANNVILLE V
0406 250023 2001-02-01	UPPER MANNVILLE W
0406 250024 2001-02-01	UPPER MANNVILLE X
0406 250025 2001-03-01	UPPER MANNVILLE Y
0406 250026 2001-03-01	UPPER MANNVILLE Z
0406 250027 2002-12-01	UPPER MANNVILLE AA
0406 250028 2002-01-01	UPPER MANNVILLE BB
0406 250029 2002-02-01	UPPER MANNVILLE CC
0406 250030 2003-05-01	UPPER MANNVILLE DD
0406 250031 2003-06-01	UPPER MANNVILLE EE
0406 250032 2003-12-01	UPPER MANNVILLE FF
0406 250033 2010-04-01	UPPER MANNVILLE GG
0406 250034 2003-12-01	UPPER MANNVILLE HH
0406 250035 2010-04-01	UPPER MANNVILLE II
0406 250036 2005-05-01	UPPER MANNVILLE JJ
0406 250037 2007-04-01	UPPER MANNVILLE KK
0406 250038 2005-08-01	UPPER MANNVILLE LL
0406 250039 2010-04-01	UPPER MANNVILLE MM

**POOL DESIGNATION (cont'd)**

0406 250040 2007-07-01	UPPER MANNVILLE NN
0406 250041 2007-09-01	UPPER MANNVILLE OO
0406 250042 2010-04-01	UPPER MANNVILLE PP
0406 250043 2010-04-01	UPPER MANNVILLE QQ
0406 250044 2008-09-01	UPPER MANNVILLE RR
0406 250045 2008-09-01	UPPER MANNVILLE SS
0406 250046 2008-11-01	UPPER MANNVILLE TT
0406 250047 2009-02-01	UPPER MANNVILLE UU
0406 250048 2009-02-01	UPPER MANNVILLE VV
0406 250049 2009-06-01	UPPER MANNVILLE WW
0406 250050 2010-06-01	UPPER MANNVILLE XX
0406 250051 2012-05-01	UPPER MANNVILLE YY
0406 310003 2001-02-01	LOWER MANNVILLE C
0406 310004 2001-02-01	LOWER MANNVILLE D
0406 310005 2001-02-01	LOWER MANNVILLE E
0406 310007 2001-02-01	LOWER MANNVILLE G
0406 310008 2001-02-01	LOWER MANNVILLE H
0406 310009 2001-02-01	LOWER MANNVILLE I
0406 310010 2001-02-01	LOWER MANNVILLE J
0406 310011 2001-02-01	LOWER MANNVILLE K
0406 310012 2001-02-01	LOWER MANNVILLE L
0406 310013 2001-09-01	LOWER MANNVILLE M
0406 310015 2001-12-01	LOWER MANNVILLE O
0406 310017 2010-06-01	LOWER MANNVILLE Q
0406 310018 2012-06-01	LOWER MANNVILLE R
0406 852700 2010-04-01	MFP8527 2WS

**SPACING PATTERN**

SU 4108	9 Sep 2003
SU 4108A	14 Oct 2003
SU 4108B	6 Nov 2003
SU 4108C	16 Jun 2004
SU 4108D	22 Dec 2004
SU 4108E	19 Aug 2005
SU 4108F	28 Feb 2006
SU 4108G	12 May 2006
SU 4108H	26 May 2006

**COMMINGLED PRODUCTION**

MU 7936	14 Jun 2011
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**FIELD DESIGNATION**

0405 2015-04-01 GARRINGTON FIELD

**POOL DESIGNATION**

0405 064002 2006-06-01 PASKAPOO B  
0405 064003 2010-07-01 PASKAPOO C  
0405 064004 2011-07-01 PASKAPOO D

0405 106002 2010-04-01 EDMONTON B  
0405 106003 2010-04-01 EDMONTON C  
0405 106005 2010-04-01 EDMONTON E  
0405 106009 2006-09-01 EDMONTON I  
0405 106011 2007-03-01 EDMONTON K  
0405 106012 2010-04-01 EDMONTON L  
0405 106013 2010-07-01 EDMONTON M  
0405 106014 2009-07-01 EDMONTON N  
0405 106015 2009-07-01 EDMONTON O  
0405 106016 2011-10-01 EDMONTON P  
0405 106017 2013-06-01 EDMONTON Q

0405 118801 2010-04-01 LOWER EDMONTON A  
0405 118802 2010-04-01 LOWER EDMONTON B  
0405 118803 2010-04-01 LOWER EDMONTON C  
0405 118805 2007-01-01 LOWER EDMONTON E  
0405 118806 2010-04-01 LOWER EDMONTON F  
0405 118807 2010-06-01 LOWER EDMONTON G  
0405 118808 2010-07-01 LOWER EDMONTON H  
0405 118809 2011-07-01 LOWER EDMONTON I  
0405 118810 2011-10-01 LOWER EDMONTON J  
0405 118811 2013-06-01 LOWER EDMONTON K

0405 126001 2006-06-01 BELLY RIVER A

0405 176001 2015-06-01 CARDIUM A  
0405 176002 2012-04-01 CARDIUM B  
0405 176017 2001-02-01 CARDIUM Q



**POOL DESIGNATION (cont'd)**

0405 176020 2001-02-01	CARDIUM T
0405 176022 2014-06-01	CARDIUM V
0405 176023 2003-10-01	CARDIUM W
0405 176024 2005-08-01	CARDIUM X
0405 176025 2005-07-01	CARDIUM Y
0405 176028 2010-04-01	CARDIUM BB
0405 176029 2010-04-01	CARDIUM CC
0405 176030 2010-04-01	CARDIUM DD
0405 176032 2010-04-01	CARDIUM FF
0405 176033 2010-04-01	CARDIUM GG
0405 176034 2010-04-01	CARDIUM HH
0405 176035 2011-02-01	CARDIUM II
0405 176037 2009-02-01	CARDIUM KK
0405 176038 2010-04-01	CARDIUM LL
0405 176039 2010-06-01	CARDIUM MM
0405 176040 2012-11-01	CARDIUM NN
0405 176041 2013-03-01	CARDIUM OO
0405 186001 2001-02-01	SECOND WHITE SPECKS A
0405 186002 2001-02-01	SECOND WHITE SPECKS B
0405 186003 2001-02-01	SECOND WHITE SPECKS C
0405 186004 2001-02-01	SECOND WHITE SPECKS D
0405 186005 2001-02-01	SECOND WHITE SPECKS E
0405 186006 2001-02-01	SECOND WHITE SPECKS F
0405 186007 2001-02-01	SECOND WHITE SPECKS G
0405 186008 2001-02-01	SECOND WHITE SPECKS H
0405 186009 2001-02-01	SECOND WHITE SPECKS I
0405 186010 2001-02-01	SECOND WHITE SPECKS J
0405 186011 2001-02-01	SECOND WHITE SPECKS K
0405 186012 2003-06-01	SECOND WHITE SPECKS L
0405 186013 2006-01-01	SECOND WHITE SPECKS M
0405 186014 2011-03-01	SECOND WHITE SPECKS N
0405 186015 2011-07-01	SECOND WHITE SPECKS O
0405 186016 2012-08-01	SECOND WHITE SPECKS P
0405 218001 2011-04-01	VIKING A
0405 218003 2001-02-01	VIKING C
0405 218006 2010-12-01	VIKING F

**POOL DESIGNATION (cont'd)**

0405 218007 2001-02-01	VIKING G
0405 218008 2010-04-01	VIKING H
0405 218010 2001-02-01	VIKING J
0405 218011 2001-02-01	VIKING K
0405 218012 2001-02-01	VIKING L
0405 218013 2013-06-01	VIKING M
0405 218014 2001-02-01	VIKING N
0405 218015 2001-02-01	VIKING O
0405 218016 2010-04-01	VIKING P
0405 218017 2010-04-01	VIKING Q
0405 218019 2001-02-01	VIKING S
0405 218020 2001-02-01	VIKING T
0405 218021 2001-02-01	VIKING U
0405 218023 2013-06-01	VIKING W
0405 218024 2010-04-01	VIKING X
0405 218025 2010-04-01	VIKING Y
0405 218026 2001-02-01	VIKING Z
0405 218027 2001-02-01	VIKING AA
0405 218029 2001-02-01	VIKING CC
0405 218030 2001-02-01	VIKING DD
0405 218031 2001-02-01	VIKING EE
0405 218032 2001-02-01	VIKING FF
0405 218033 2001-02-01	VIKING GG
0405 218034 2003-02-01	VIKING HH
0405 218035 2003-10-01	VIKING II
0405 218036 2004-06-01	VIKING JJ
0405 218037 2007-01-01	VIKING KK
0405 218038 2010-04-01	VIKING LL
0405 218039 2006-10-01	VIKING MM
0405 218040 2006-10-01	VIKING NN
0405 218041 2010-04-01	VIKING OO
0405 218042 2007-09-01	VIKING PP
0405 218043 2009-01-01	VIKING QQ
0405 218044 2007-07-01	VIKING RR
0405 218045 2007-08-01	VIKING SS
0405 218046 2007-08-01	VIKING TT
0405 218047 2007-09-01	VIKING UU
0405 218048 2008-05-01	VIKING VV

**POOL DESIGNATION (cont'd)**

0405 218050 2010-04-01	VIKING XX
0405 218051 2009-07-01	VIKING YY
0405 218052 2009-07-01	VIKING ZZ
0405 220401 2009-10-01	VIKING AAA
0405 220402 2009-11-01	VIKING BBB
0405 220403 2009-11-01	VIKING CCC
0405 220404 2011-07-01	VIKING DDD
0405 220405 2011-07-01	VIKING EEE
0405 220406 2011-07-01	VIKING FFF
0405 220407 2011-07-01	VIKING GGG
0405 220408 2013-07-01	VIKING HHH
0405 220409 2013-12-01	VIKING III
0405 248002 2012-08-01	MANNVILLE B
0405 248003 2010-04-01	MANNVILLE C
0405 248004 2010-05-01	MANNVILLE D
0405 248009 2010-04-01	MANNVILLE I
0405 248012 2010-07-01	MANNVILLE L
0405 248013 2010-04-01	MANNVILLE M
0405 248016 2010-04-01	MANNVILLE P
0405 248017 2001-02-01	MANNVILLE Q
0405 248018 2013-04-01	MANNVILLE R
0405 248019 2001-10-01	MANNVILLE S
0405 248020 2001-02-01	MANNVILLE T
0405 248021 2001-02-01	MANNVILLE U
0405 248022 2001-02-01	MANNVILLE V
0405 248024 2001-02-01	MANNVILLE X
0405 248025 2001-10-01	MANNVILLE Y
0405 248026 2016-01-01	MANNVILLE Z
0405 248028 2002-10-01	MANNVILLE BB
0405 248029 2005-06-01	MANNVILLE CC
0405 248032 2008-08-01	MANNVILLE FF
0405 248033 2010-04-01	MANNVILLE GG
0405 248034 2009-09-01	MANNVILLE HH
0405 248035 2011-07-01	MANNVILLE II
0405 248036 2011-07-01	MANNVILLE JJ
0405 248037 2011-07-01	MANNVILLE KK
0405 248038 2011-07-01	MANNVILLE LL

**POOL DESIGNATION (cont'd)**

0405 248039	2011-07-01	MANNVILLE MM
0405 248040	2011-07-01	MANNVILLE NN
0405 248041	2011-07-01	MANNVILLE OO
0405 248042	2011-07-01	MANNVILLE PP
0405 248043	2011-07-01	MANNVILLE QQ
0405 248044	2011-07-01	MANNVILLE RR
0405 248045	2011-07-01	MANNVILLE SS
0405 248046	2011-07-01	MANNVILLE TT
0405 248047	2011-07-01	MANNVILLE UU
0405 250049	2010-04-01	UPPER MANNVILLE WW
0405 300001	2011-07-01	GLAUCONITIC A
0405 310001	2010-04-01	LOWER MANNVILLE A
0405 310002	2010-04-01	LOWER MANNVILLE B
0405 310003	2010-04-01	LOWER MANNVILLE C
0405 310004	2001-02-01	LOWER MANNVILLE D
0405 310005	2010-04-01	LOWER MANNVILLE E
0405 310009	2001-02-01	LOWER MANNVILLE I
0405 310010	2001-02-01	LOWER MANNVILLE J
0405 310011	2010-04-01	LOWER MANNVILLE K
0405 310012	2001-02-01	LOWER MANNVILLE L
0405 310014	2003-11-01	LOWER MANNVILLE N
0405 310015	2010-04-01	LOWER MANNVILLE O
0405 310016	2001-02-01	LOWER MANNVILLE P
0405 310017	2010-04-01	LOWER MANNVILLE Q
0405 310018	2003-11-01	LOWER MANNVILLE R
0405 310019	2001-02-01	LOWER MANNVILLE S
0405 310020	2001-02-01	LOWER MANNVILLE T
0405 310021	2001-02-01	LOWER MANNVILLE U
0405 310022	2001-02-01	LOWER MANNVILLE V
0405 310023	2001-02-01	LOWER MANNVILLE W
0405 310024	2001-02-01	LOWER MANNVILLE X
0405 310029	2001-02-01	LOWER MANNVILLE CC
0405 310030	2001-02-01	LOWER MANNVILLE DD
0405 310031	2001-02-01	LOWER MANNVILLE EE
0405 310033	2009-02-01	LOWER MANNVILLE GG

**POOL DESIGNATION (cont'd)**

0405 310034 2009-02-01	LOWER MANNVILLE HH
0405 310035 2009-02-01	LOWER MANNVILLE II
0405 310038 2008-12-01	LOWER MANNVILLE LL
0405 310040 2010-04-01	LOWER MANNVILLE NN
0405 310041 2013-04-01	LOWER MANNVILLE OO
0405 310042 2001-02-01	LOWER MANNVILLE PP
0405 310047 2016-04-01	LOWER MANNVILLE UU
0405 310048 2016-04-01	LOWER MANNVILLE VV
0405 310049 2016-04-01	LOWER MANNVILLE WW
0405 310050 2013-06-01	LOWER MANNVILLE XX
0405 310052 2010-04-01	LOWER MANNVILLE ZZ
0405 310101 2005-09-01	LOWER MANNVILLE AAA
0405 310102 2005-09-01	LOWER MANNVILLE BBB
0405 310103 2007-03-01	LOWER MANNVILLE CCC
0405 310104 2001-02-01	LOWER MANNVILLE DDD
0405 310105 2001-02-01	LOWER MANNVILLE EEE
0405 310106 2001-02-01	LOWER MANNVILLE FFF
0405 310107 2001-02-01	LOWER MANNVILLE GGG
0405 310108 2001-02-01	LOWER MANNVILLE HHH
0405 310109 2001-02-01	LOWER MANNVILLE III
0405 310111 2010-04-01	LOWER MANNVILLE KKK
0405 310112 2001-02-01	LOWER MANNVILLE LLL
0405 310113 2010-07-01	LOWER MANNVILLE MMM
0405 310114 2001-02-01	LOWER MANNVILLE NNN
0405 310115 2001-02-01	LOWER MANNVILLE OOO
0405 310116 2001-02-01	LOWER MANNVILLE PPP
0405 310117 2001-02-01	LOWER MANNVILLE QQQ
0405 310118 2010-04-01	LOWER MANNVILLE RRR
0405 310119 2001-02-01	LOWER MANNVILLE SSS
0405 310120 2001-02-01	LOWER MANNVILLE TTT
0405 310121 2001-02-01	LOWER MANNVILLE UUU
0405 310122 2001-02-01	LOWER MANNVILLE VVV
0405 310123 2001-02-01	LOWER MANNVILLE WWW
0405 310125 2001-02-01	LOWER MANNVILLE YYY
0405 310126 2001-02-01	LOWER MANNVILLE ZZZ
0405 310127 2010-04-01	LOWER MANNVILLE A2A
0405 310128 2002-01-01	LOWER MANNVILLE B2B
0405 310129 2010-04-01	LOWER MANNVILLE C2C

**POOL DESIGNATION (cont'd)**

0405 310130 2001-02-01	LOWER MANNVILLE D2D
0405 310131 2001-02-01	LOWER MANNVILLE E2E
0405 310132 2008-04-01	LOWER MANNVILLE F2F
0405 310133 2001-02-01	LOWER MANNVILLE G2G
0405 310134 2001-02-01	LOWER MANNVILLE H2H
0405 310135 2001-02-01	LOWER MANNVILLE I2I
0405 310136 2001-02-01	LOWER MANNVILLE J2J
0405 310137 2002-08-01	LOWER MANNVILLE K2K
0405 310138 2010-04-01	LOWER MANNVILLE L2L
0405 310140 2004-01-01	LOWER MANNVILLE N2N
0405 310141 2003-06-01	LOWER MANNVILLE O2O
0405 310142 2010-07-01	LOWER MANNVILLE P2P
0405 310143 2003-10-01	LOWER MANNVILLE Q2Q
0405 310144 2003-10-01	LOWER MANNVILLE R2R
0405 310145 2003-10-01	LOWER MANNVILLE S2S
0405 310146 2004-03-01	LOWER MANNVILLE T2T
0405 310147 2004-03-01	LOWER MANNVILLE U2U
0405 310149 2010-04-01	LOWER MANNVILLE W2W
0405 310150 2010-04-01	LOWER MANNVILLE X2X
0405 310151 2011-12-01	LOWER MANNVILLE Y2Y
0405 310152 2006-02-01	LOWER MANNVILLE Z2Z
0405 310201 2006-03-01	LOWER MANNVILLE A3A
0405 310202 2006-05-01	LOWER MANNVILLE B3B
0405 310203 2006-10-01	LOWER MANNVILLE C3C
0405 310204 2006-11-01	LOWER MANNVILLE D3D
0405 310205 2007-09-01	LOWER MANNVILLE E3E
0405 310206 2007-02-01	LOWER MANNVILLE F3F
0405 310207 2007-07-01	LOWER MANNVILLE G3G
0405 310208 2007-12-01	LOWER MANNVILLE H3H
0405 310209 2007-12-01	LOWER MANNVILLE I3I
0405 310210 2010-04-01	LOWER MANNVILLE J3J
0405 310211 2008-04-01	LOWER MANNVILLE K3K
0405 310212 2008-05-01	LOWER MANNVILLE L3L
0405 310213 2008-05-01	LOWER MANNVILLE M3M
0405 310214 2008-05-01	LOWER MANNVILLE N3N
0405 310215 2008-05-01	LOWER MANNVILLE O3O
0405 310216 2008-05-01	LOWER MANNVILLE P3P
0405 310217 2008-08-01	LOWER MANNVILLE Q3Q

**POOL DESIGNATION (cont'd)**

0405 310218 2008-09-01	LOWER MANNVILLE R3R
0405 310220 2008-09-01	LOWER MANNVILLE T3T
0405 310221 2008-10-01	LOWER MANNVILLE U3U
0405 310222 2008-11-01	LOWER MANNVILLE V3V
0405 310223 2008-11-01	LOWER MANNVILLE W3W
0405 310224 2010-04-01	LOWER MANNVILLE X3X
0405 310226 2008-12-01	LOWER MANNVILLE Z3Z
0405 310228 2010-04-01	LOWER MANNVILLE B4B
0405 310229 2010-04-01	LOWER MANNVILLE C4C
0405 310230 2010-04-01	LOWER MANNVILLE D4D
0405 310231 2009-02-01	LOWER MANNVILLE E4E
0405 310232 2009-10-01	LOWER MANNVILLE F4F
0405 310233 2009-03-01	LOWER MANNVILLE G4G
0405 310234 2009-04-01	LOWER MANNVILLE H4H
0405 310235 2009-04-01	LOWER MANNVILLE I4I
0405 310236 2013-10-01	LOWER MANNVILLE J4J
0405 310237 2010-04-01	LOWER MANNVILLE K4K
0405 310238 2013-04-01	LOWER MANNVILLE L4L
0405 310239 2010-04-01	LOWER MANNVILLE M4M
0405 310240 2009-08-01	LOWER MANNVILLE N4N
0405 310242 2009-11-01	LOWER MANNVILLE P4P
0405 310243 2009-11-01	LOWER MANNVILLE Q4Q
0405 310244 2010-05-01	LOWER MANNVILLE R4R
0405 310246 2010-11-01	LOWER MANNVILLE T4T
0405 310247 2011-12-01	LOWER MANNVILLE U4U
0405 310248 2011-10-01	LOWER MANNVILLE V4V
0405 310249 2015-05-01	LOWER MANNVILLE W4W
0405 310250 2011-07-01	LOWER MANNVILLE X4X
0405 310251 2011-07-01	LOWER MANNVILLE Y4Y
0405 310252 2011-07-01	LOWER MANNVILLE Z4Z
0405 310301 2012-03-01	LOWER MANNVILLE A5A
0405 310302 2014-07-01	LOWER MANNVILLE B5B
0405 310303 2012-08-01	LOWER MANNVILLE C5C
0405 310304 2012-11-01	LOWER MANNVILLE D5D
0405 310305 2012-11-01	LOWER MANNVILLE E5E
0405 310306 2012-11-01	LOWER MANNVILLE F5F
0405 310307 2014-04-01	LOWER MANNVILLE G5G

**POOL DESIGNATION (cont'd)**

0405 432002 2010-04-01	ROCK CREEK B
0405 432003 2001-02-01	ROCK CREEK C
0405 432005 2010-07-01	ROCK CREEK E
0405 432006 2004-05-01	ROCK CREEK F
0405 432007 2004-05-01	ROCK CREEK G
0405 432008 2005-05-01	ROCK CREEK H
0405 432009 2012-03-01	ROCK CREEK I
0405 444002 2001-02-01	NORDEGG B
0405 444003 2001-03-01	NORDEGG C
0405 444004 2005-06-01	NORDEGG D
0405 446001 2007-02-01	JURASSIC A
0405 446003 2012-07-01	JURASSIC C
0405 638001 2004-08-01	ELKTON A
0405 638003 2004-07-01	ELKTON C
0405 638004 2010-04-01	ELKTON D
0405 638005 2001-02-01	ELKTON E
0405 638007 2001-02-01	ELKTON G
0405 638008 2001-02-01	ELKTON H
0405 638009 2001-02-01	ELKTON I
0405 638011 2004-10-01	ELKTON K
0405 638012 2010-04-01	ELKTON L
0405 638013 2008-04-01	ELKTON M
0405 638014 2009-07-01	ELKTON N
0405 638015 2011-07-01	ELKTON O
0405 638016 2011-07-01	ELKTON P
0405 638017 2011-07-01	ELKTON Q
0405 638018 2011-07-01	ELKTON R
0405 639001 2001-03-01	ELKTON-SHUNDA A
0405 642003 2001-02-01	PEKISKO C
0405 642004 2001-07-01	PEKISKO D
0405 642005 2002-02-01	PEKISKO E
0405 642006 2013-10-01	PEKISKO F
0405 642007 2004-02-01	PEKISKO G



**POOL DESIGNATION (cont'd)**

0405 642008 2009-11-01	PEKISKO H
0405 642009 2011-07-01	PEKISKO I
0405 642010 2011-07-01	PEKISKO J
0405 642011 2011-07-01	PEKISKO K
0405 642012 2011-07-01	PEKISKO L
0405 642013 2011-07-01	PEKISKO M
0405 658001 2010-04-01	WABAMUN A
0405 696001 2001-02-01	NISKU A
0405 696002 2009-04-01	NISKU B
0405 696003 2011-07-01	NISKU C
0405 720001 2001-02-01	LEDUC A
0405 720002 2001-02-01	LEDUC B
0405 720003 2001-02-01	LEDUC C
0405 720004 2001-02-01	LEDUC D
0405 720005 2001-02-01	LEDUC E
0405 720006 2001-02-01	LEDUC F
0405 720007 2010-04-01	LEDUC G
0405 720008 2001-02-01	LEDUC H
0405 720010 2001-02-01	LEDUC J
0405 720011 2001-02-01	LEDUC K
0405 720012 2002-08-01	LEDUC L
0405 720013 2003-01-01	LEDUC M
0405 720014 2012-01-01	LEDUC N
0405 720015 2011-07-01	LEDUC O
0405 720016 2011-07-01	LEDUC P
0405 720017 2011-07-01	LEDUC Q
0405 856200 2014-01-01	MFP8562 EDMONTON
0405 856300 2011-09-01	MFP8563 LWR EDMONTON

**SPACING PATTERN**

SU 4274 31 Mar 2005  
 SU 4274A 23 Apr 2005  
 SU 4274B 29 Jun 2005  
 SU 4274C 27 Jul 2005  
 SU 4274D 11 Aug 2005  
 SU 4274E 3 Jan 2006  
 SU 4274F 18 Jan 2006  
 SU 4274G 4 Apr 2006  
 SU 4274H 21 Apr 2006  
 SU 4274I 14 Mar 2007  
 SU 4274J 26 Jul 2007  
 SU 4274K 26 Sep 2007  
 SU 4274L 12 Oct 2007

**MISCELLANEOUS ORDERS**

MISC 6049 12 Dec 1960  
 Dir Surv Woods Pete  
 Garrington 11-19-35-14

MISC 7022 1 Nov 1970  
 Exemption from subsec(3) clause  
 (c) of Sec. 604 of the regulations

**COMMINGLED PRODUCTION**

MU 8494 22 May 2013

**ENHANCED RECOVERY SCHEMES**

App 1519G 5 Aug 2015  
 Waterflood  
 Cardium B  
 Pengrowth Energy Corporation

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

App 8544E 20 Jan 2015  
 Waterflood  
 Leduc G  
 Taqa North Ltd.

App 10136A 22 Mar 2011  
 Waterflood  
 Cardium B  
 NEO Exploration Inc.

**CONCURRENT PRODUCTION**

App 4089 15 Mar 1984

App 4089A 26 Jul 2000  
 Mannville D  
 Amoco Canada Petroleum Company  
 Limited

MISC 93271 20 Aug 1993  
 MISC 93271A5 Sep 1997  
 Wabamun A

App 5363 9 Jun 1987  
 Leduc D  
 Gulf Canada Corporation

**SUBSURFACE DISPOSAL SCHEMES**

App 7730C 22 Jan 2013  
 Class Ib  
 Pengrowth Energy Corporation

App 9136A 8 Jul 2011  
 Class II  
 Bonavista Energy Corporation

**SUBSURFACE DISPOSAL SCHEMES**

**(cont'd)**

App 11748    14 Dec 2011

Class Ib

Newalta Corporation

**COMPULSORY POOLING**

P 94            12 Sep 1988

Gas

10-036-05W5M

Union Pacific Resources Inc.

P 311           23 Jan 2007

P 311A         15 Jul 2008

Gas

09-036-04W5M

Intrepid Energy Corporation.

**FIELD DESIGNATION**

0035 2002-07-01                      GARTH FIELD

**POOL DESIGNATION**

0035 262001 2015-08-01            GRAND RAPIDS A  
0035 262002 2001-02-01            GRAND RAPIDS B  
0035 262004 2010-04-01            GRAND RAPIDS D  
0035 262005 2002-07-01            GRAND RAPIDS E  
0035 262006 2011-02-01            GRAND RAPIDS F  
0035 262007 2001-02-01            GRAND RAPIDS G  
0035 262008 2001-02-01            GRAND RAPIDS H  
0035 262009 2001-02-01            GRAND RAPIDS I  
0035 262010 2001-02-01            GRAND RAPIDS J  
0035 262011 2001-02-01            GRAND RAPIDS K  
0035 262012 2001-02-01            GRAND RAPIDS L

0035 280001 2002-07-01            CLEARWATER A  
0035 280002 2010-04-01            CLEARWATER B  
0035 280003 2004-06-01            CLEARWATER C

**SPACING PATTERN**

SU 2841            12 Nov 1997

**COMMINGLED PRODUCTION**

MU 2070            12 Sep 2000

**SUBSURFACE DISPOSAL SCHEMES**

App 9275A        6 Jul 2010  
Class II  
Devon Canada Corporation

**FIELD DESIGNATION**

0398 2009-06-01                      GARTLEY FIELD

**POOL DESIGNATION**

0398 218001 2001-02-01            VIKING A

0398 300001 2001-02-01            GLAUCONITIC A

0398 316001 2001-02-01            OSTRACOD A

0398 334002 2001-02-01            BASAL QUARTZ B

0398 336001 2010-04-01            ELLERSLIE A

0398 850600 2011-01-01            MFP8506 BELLY RIVER

0398 854000 2011-01-01            MFP8540 BSL BELLY RIV

**COMMINGLED PRODUCTION**

MU 8216            3 Nov 2011

**FIELD DESIGNATION**

0397 2001-02-01                      GENESEE FIELD

**POOL DESIGNATION**

0397 126002 2007-02-01            BELLY RIVER B

0397 134001 2005-06-01            BASAL BELLY RIVER A

0397 300001 2009-01-01            GLAUCONITIC A

0397 336001 2001-02-01            ELLERSLIE A

0397 336002 2001-02-01            ELLERSLIE B

0397 336003 2003-02-01            ELLERSLIE C

0397 644001 2009-12-01            BANFF A

**FIELD DESIGNATION**

0410 2014-06-01                      GEORGE FIELD

**POOL DESIGNATION**

0410 230001 2009-04-01          PADDY A  
0410 230002 2001-04-01          PADDY B

0410 264001 2001-02-01          SPIRIT RIVER A  
0410 264002 2002-09-01          SPIRIT RIVER B

0410 304001 2001-04-01          BLUESKY A

0410 326001 2001-02-01          GETHING A  
0410 326002 2001-02-01          GETHING B  
0410 326003 2003-04-01          GETHING C  
0410 326004 2013-04-01          GETHING D  
0410 326005 2014-06-01          GETHING E

0410 432001 2008-11-01          ROCK CREEK A

0410 508001 2008-03-01          CHARLIE LAKE A  
0410 508002 2008-03-01          CHARLIE LAKE B  
0410 508003 2009-03-01          CHARLIE LAKE C  
0410 508004 2009-03-01          CHARLIE LAKE D

0410 520001 2008-03-01          DOIG A

0410 524002 2006-08-01          MONTNEY B  
0410 524003 2005-05-01          MONTNEY C  
0410 524005 2007-01-01          MONTNEY E  
0410 524006 2010-06-01          MONTNEY F  
0410 524007 2013-01-01          MONTNEY G  
0410 524008 2014-06-01          MONTNEY H  
0410 524009 2014-06-01          MONTNEY I

0410 556001 2001-04-01          BELLOY A

**POOL DESIGNATION (cont'd)**

0410 606004	2010-04-01	KISKATINAW D
0410 606006	2002-10-01	KISKATINAW F
0410 606007	2001-02-01	KISKATINAW G
0410 606008	2001-05-01	KISKATINAW H
0410 606009	2001-02-01	KISKATINAW I
0410 606010	2001-02-01	KISKATINAW J
0410 606011	2010-04-01	KISKATINAW K
0410 606012	2001-02-01	KISKATINAW L
0410 606013	2001-02-01	KISKATINAW M
0410 606014	2010-04-01	KISKATINAW N
0410 606015	2001-02-01	KISKATINAW O
0410 606016	2001-02-01	KISKATINAW P
0410 606017	2001-03-01	KISKATINAW Q
0410 606018	2012-02-01	KISKATINAW R
0410 606019	2012-02-01	KISKATINAW S
0410 606020	2004-02-01	KISKATINAW T
0410 606021	2010-04-01	KISKATINAW U
0410 606022	2008-08-01	KISKATINAW V
0410 606023	2008-12-01	KISKATINAW W

0410 612001	2001-08-01	DEBOLT A
0410 612002	2001-02-01	DEBOLT B
0410 612003	2001-03-01	DEBOLT C
0410 612004	2010-04-01	DEBOLT D
0410 612005	2001-09-01	DEBOLT E

**SPACING PATTERN**

SU 4027	20 Sep 2002
SU 4027A	24 Apr 2003
SU 4027B	28 Jul 2005
SU 4027C	28 Feb 2006

**SUBSURFACE DISPOSAL SCHEMES**

App 10275A 20 May 2009  
Class II  
Polar Star Canadian Oil And Gas, Inc.

**COMMINGLED PRODUCTION**

MU 7189	24 Jul 2009
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**COMPULSORY POOLING**

P 188            29 Feb 2000

P 188A          12 Sep 2000

P 188B          1 Oct 2008

Gas

12-082-04-W6M

Penn West Petroleum Ltd.

P 210            3 Jul 2001

P 210A          17 Oct 2001

Gas

30-082-05W6M

Canadian Natural Resources Limited

P 277            10 Jun 2005

P 277A          11 Jun 2009

Gas

18-082-03W6M

Polar Star Canadian Oil And Gas, Inc.

P 284            13 Oct 2005

P 284A          11 Jun 2009

Oil

NW/4 18-082-03W6M

Polar Star Canadian Oil And Gas, Inc.

P 337            28 Nov 2007

P 337A          11 Jun 2009

Gas

07-082-03W6M

Polar Star Canadian Oil And Gas, Inc.

**FIELD DESIGNATION**

0458 2009-02-01                      GERE FIELD

**POOL DESIGNATION**

0458 250001 2003-05-01            UPPER MANNVILLE A

0458 644001 2009-03-01            BANFF A

0458 744001 2012-11-01            BEAVERHILL LAKE A

**FIELD DESIGNATION**

1309 2001-12-01                      GERMAIN FIELD

**POOL DESIGNATION**

1309 280001 2010-04-01          CLEARWATER A  
1309 280007 2005-04-01          CLEARWATER G  
1309 280009 2010-04-01          CLEARWATER I

1309 306002 2011-08-01          WABISKAW B  
1309 306003 2001-02-01          WABISKAW C  
1309 306004 2010-04-01          WABISKAW D  
1309 306005 2005-05-01          WABISKAW E  
1309 306006 2007-07-01          WABISKAW F  
1309 306007 2010-04-01          WABISKAW G  
1309 306008 2008-07-01          WABISKAW H

1309 328001 2002-08-01          MCMURRAY A  
1309 328002 2005-05-01          MCMURRAY B

1309 696001 2001-02-01          NISKU A  
1309 696002 2002-05-01          NISKU B  
1309 696006 2001-03-01          NISKU F  
1309 696007 2001-11-01          NISKU G  
1309 696008 2003-10-01          NISKU H  
1309 696009 2001-12-01          NISKU I  
1309 696010 2010-04-01          NISKU J  
1309 696011 2003-10-01          NISKU K  
1309 696012 2004-07-01          NISKU L  
1309 696013 2005-03-01          NISKU M  
1309 696014 2005-05-01          NISKU N  
1309 696015 2007-03-01          NISKU O  
1309 696016 2007-07-01          NISKU P  
1309 696017 2007-07-01          NISKU Q  
1309 696018 2007-07-01          NISKU R  
1309 696019 2008-02-01          NISKU S  
1309 696020 2007-10-01          NISKU T

**SPACING PATTERN**

SU 4135      25 Nov 2003

**COMMINGLED PRODUCTION**

MU 6679      16 Aug 2007

**FIELD DESIGNATION**

0408 2015-07-01 GHOST PINE FIELD

**POOL DESIGNATION**

0408 106001 2010-12-01 EDMONTON A

0408 118802 2013-08-01 LOWER EDMONTON B  
0408 118804 2008-05-01 LOWER EDMONTON D  
0408 118805 2011-02-01 LOWER EDMONTON E  
0408 118806 2008-09-01 LOWER EDMONTON F  
0408 118807 2008-11-01 LOWER EDMONTON G  
0408 118808 2009-04-01 LOWER EDMONTON H  
0408 118809 2009-11-01 LOWER EDMONTON I  
0408 118810 2010-04-01 LOWER EDMONTON J  
0408 118811 2010-03-01 LOWER EDMONTON K  
0408 118812 2010-08-01 LOWER EDMONTON L  
0408 118813 2010-12-01 LOWER EDMONTON M  
0408 118815 2013-04-01 LOWER EDMONTON O  
0408 118816 2013-04-01 LOWER EDMONTON P  
0408 118817 2013-04-01 LOWER EDMONTON Q  
0408 118818 2014-05-01 LOWER EDMONTON R

0408 134010 2005-06-01 BASAL BELLY RIVER J  
0408 134011 2005-06-01 BASAL BELLY RIVER K  
0408 134012 2005-06-01 BASAL BELLY RIVER L  
0408 134013 2005-06-01 BASAL BELLY RIVER M  
0408 134014 2005-06-01 BASAL BELLY RIVER N  
0408 134028 2009-04-01 BASAL BELLY RIVER BB  
0408 134030 2010-01-01 BASAL BELLY RIVER DD  
0408 134032 2011-12-01 BASAL BELLY RIVER FF  
0408 134033 2014-02-01 BASAL BELLY RIVER GG  
0408 134034 2014-05-01 BASAL BELLY RIVER HH  
0408 134035 2014-05-01 BASAL BELLY RIVER II

0408 218007 2001-02-01 VIKING G  
0408 218008 2001-02-01 VIKING H

**POOL DESIGNATION (cont'd)**

0408 218009 2001-02-01	VIKING I
0408 218010 2009-09-01	VIKING J
0408 218011 2013-05-01	VIKING K
0408 218013 2014-06-01	VIKING M
0408 218014 2010-04-01	VIKING N
0408 218017 2001-02-01	VIKING Q
0408 218019 2010-04-01	VIKING S
0408 218020 2010-04-01	VIKING T
0408 218021 2003-12-01	VIKING U
0408 218022 2010-02-01	VIKING V
0408 218023 2010-04-01	VIKING W
0408 218024 2010-02-01	VIKING X
0408 218025 2005-07-01	VIKING Y
0408 218027 2010-04-01	VIKING AA
0408 218028 2006-05-01	VIKING BB
0408 218029 2006-06-01	VIKING CC
0408 218030 2010-04-01	VIKING DD
0408 218032 2006-09-01	VIKING FF
0408 218033 2006-09-01	VIKING GG
0408 218034 2006-09-01	VIKING HH
0408 218035 2006-09-01	VIKING II
0408 218036 2006-12-01	VIKING JJ
0408 218037 2009-05-01	VIKING KK
0408 218038 2007-07-01	VIKING LL
0408 218039 2007-07-01	VIKING MM
0408 218040 2008-02-01	VIKING NN
0408 218042 2010-04-01	VIKING PP
0408 218043 2009-05-01	VIKING QQ
0408 218044 2009-08-01	VIKING RR
0408 218045 2009-09-01	VIKING SS
0408 218046 2010-02-01	VIKING TT
0408 218047 2010-02-01	VIKING UU
0408 218048 2010-03-01	VIKING VV
0408 218049 2010-04-01	VIKING WW
0408 218050 2012-02-01	VIKING XX
0408 218051 2014-02-01	VIKING YY
0408 218052 2014-05-01	VIKING ZZ
0408 220401 2014-05-01	VIKING AAA

**POOL DESIGNATION (cont'd)**

0408 220402 2014-05-01	VIKING BBB
0408 220403 2014-05-01	VIKING CCC
0408 220404 2014-05-01	VIKING DDD
0408 220405 2014-05-01	VIKING EEE
0408 220406 2014-05-01	VIKING FFF
0408 220407 2014-05-01	VIKING GGG
0408 220408 2014-05-01	VIKING HHH
0408 220409 2014-05-01	VIKING III
0408 220410 2014-05-01	VIKING JJJ
0408 220411 2014-09-01	VIKING KKK
0408 250003 2010-04-01	UPPER MANNVILLE C
0408 250008 2010-04-01	UPPER MANNVILLE H
0408 250016 2002-11-01	UPPER MANNVILLE P
0408 250017 2010-04-01	UPPER MANNVILLE Q
0408 250021 2001-02-01	UPPER MANNVILLE U
0408 250022 2010-04-01	UPPER MANNVILLE V
0408 250023 2001-02-01	UPPER MANNVILLE W
0408 250025 2011-08-01	UPPER MANNVILLE Y
0408 250027 2010-04-01	UPPER MANNVILLE AA
0408 250029 2001-02-01	UPPER MANNVILLE CC
0408 250032 2010-11-01	UPPER MANNVILLE FF
0408 250034 2001-02-01	UPPER MANNVILLE HH
0408 250035 2005-06-01	UPPER MANNVILLE II
0408 250037 2006-02-01	UPPER MANNVILLE KK
0408 250038 2010-04-01	UPPER MANNVILLE LL
0408 250039 2001-02-01	UPPER MANNVILLE MM
0408 250040 2001-02-01	UPPER MANNVILLE NN
0408 250044 2012-09-01	UPPER MANNVILLE RR
0408 250045 2001-02-01	UPPER MANNVILLE SS
0408 250048 2001-02-01	UPPER MANNVILLE VV
0408 250051 2001-02-01	UPPER MANNVILLE YY
0408 250703 2001-02-01	UPPER MANNVILLE CCC
0408 250705 2001-02-01	UPPER MANNVILLE EEE
0408 250706 2001-02-01	UPPER MANNVILLE FFF
0408 250707 2001-02-01	UPPER MANNVILLE GGG
0408 250708 2001-02-01	UPPER MANNVILLE HHH
0408 250711 2001-02-01	UPPER MANNVILLE KKK

**POOL DESIGNATION (cont'd)**

0408 250712 2001-02-01	UPPER MANNVILLE LLL
0408 250715 2001-02-01	UPPER MANNVILLE OOO
0408 250717 2001-02-01	UPPER MANNVILLE QQQ
0408 250718 2001-02-01	UPPER MANNVILLE RRR
0408 250719 2001-02-01	UPPER MANNVILLE SSS
0408 250720 2010-04-01	UPPER MANNVILLE TTT
0408 250721 2001-02-01	UPPER MANNVILLE UUU
0408 250725 2001-02-01	UPPER MANNVILLE YYY
0408 250726 2010-04-01	UPPER MANNVILLE ZZZ
0408 250727 2011-03-01	UPPER MANNVILLE A2A
0408 250728 2001-02-01	UPPER MANNVILLE B2B
0408 250729 2001-02-01	UPPER MANNVILLE C2C
0408 250730 2001-02-01	UPPER MANNVILLE D2D
0408 250731 2006-08-01	UPPER MANNVILLE E2E
0408 250733 2001-02-01	UPPER MANNVILLE G2G
0408 250734 2001-02-01	UPPER MANNVILLE H2H
0408 250735 2001-02-01	UPPER MANNVILLE I2I
0408 250736 2001-02-01	UPPER MANNVILLE J2J
0408 250737 2001-02-01	UPPER MANNVILLE K2K
0408 250738 2001-02-01	UPPER MANNVILLE L2L
0408 250740 2001-02-01	UPPER MANNVILLE N2N
0408 250741 2012-07-01	UPPER MANNVILLE O2O
0408 250743 2001-02-01	UPPER MANNVILLE Q2Q
0408 250745 2001-02-01	UPPER MANNVILLE S2S
0408 250746 2001-02-01	UPPER MANNVILLE T2T
0408 250747 2001-02-01	UPPER MANNVILLE U2U
0408 250748 2001-02-01	UPPER MANNVILLE V2V
0408 250749 2001-02-01	UPPER MANNVILLE W2W
0408 250751 2001-02-01	UPPER MANNVILLE Y2Y
0408 250752 2013-03-01	UPPER MANNVILLE Z2Z
0408 251101 2001-02-01	UPPER MANNVILLE A3A
0408 251102 2001-02-01	UPPER MANNVILLE B3B
0408 251103 2001-02-01	UPPER MANNVILLE C3C
0408 251104 2001-02-01	UPPER MANNVILLE D3D
0408 251105 2001-02-01	UPPER MANNVILLE E3E
0408 251106 2010-04-01	UPPER MANNVILLE F3F
0408 251107 2001-02-01	UPPER MANNVILLE G3G
0408 251108 2010-04-01	UPPER MANNVILLE H3H



**POOL DESIGNATION (cont'd)**

0408 251109 2001-02-01	UPPER MANNVILLE I3I
0408 251110 2001-02-01	UPPER MANNVILLE J3J
0408 251113 2001-02-01	UPPER MANNVILLE M3M
0408 251114 2001-02-01	UPPER MANNVILLE N3N
0408 251115 2001-02-01	UPPER MANNVILLE O3O
0408 251116 2001-02-01	UPPER MANNVILLE P3P
0408 251117 2001-02-01	UPPER MANNVILLE Q3Q
0408 251118 2001-02-01	UPPER MANNVILLE R3R
0408 251119 2001-02-01	UPPER MANNVILLE S3S
0408 251120 2001-02-01	UPPER MANNVILLE T3T
0408 251121 2003-09-01	UPPER MANNVILLE U3U
0408 251122 2001-02-01	UPPER MANNVILLE V3V
0408 251123 2001-02-01	UPPER MANNVILLE W3W
0408 251125 2001-02-01	UPPER MANNVILLE Y3Y
0408 251126 2010-04-01	UPPER MANNVILLE Z3Z
0408 251128 2001-02-01	UPPER MANNVILLE B4B
0408 251129 2001-02-01	UPPER MANNVILLE C4C
0408 251130 2001-02-01	UPPER MANNVILLE D4D
0408 251131 2001-02-01	UPPER MANNVILLE E4E
0408 251132 2001-02-01	UPPER MANNVILLE F4F
0408 251133 2001-02-01	UPPER MANNVILLE G4G
0408 251134 2001-02-01	UPPER MANNVILLE H4H
0408 251135 2001-02-01	UPPER MANNVILLE I4I
0408 251137 2001-02-01	UPPER MANNVILLE K4K
0408 251138 2001-02-01	UPPER MANNVILLE L4L
0408 251139 2001-02-01	UPPER MANNVILLE M4M
0408 251140 2001-02-01	UPPER MANNVILLE N4N
0408 251141 2001-02-01	UPPER MANNVILLE O4O
0408 251143 2001-02-01	UPPER MANNVILLE Q4Q
0408 251144 2001-02-01	UPPER MANNVILLE R4R
0408 251145 2001-02-01	UPPER MANNVILLE S4S
0408 251146 2001-02-01	UPPER MANNVILLE T4T
0408 251147 2001-02-01	UPPER MANNVILLE U4U
0408 251148 2001-02-01	UPPER MANNVILLE V4V
0408 251149 2001-03-01	UPPER MANNVILLE W4W
0408 251150 2002-02-01	UPPER MANNVILLE X4X
0408 251151 2006-02-01	UPPER MANNVILLE Y4Y
0408 251152 2002-12-01	UPPER MANNVILLE Z4Z

**POOL DESIGNATION (cont'd)**

0408 251501	2003-02-01	UPPER MANNVILLE A5A
0408 251502	2011-08-01	UPPER MANNVILLE B5B
0408 251503	2004-04-01	UPPER MANNVILLE C5C
0408 251504	2004-08-01	UPPER MANNVILLE D5D
0408 251505	2004-11-01	UPPER MANNVILLE E5E
0408 251506	2010-04-01	UPPER MANNVILLE F5F
0408 251507	2004-12-01	UPPER MANNVILLE G5G
0408 251508	2004-12-01	UPPER MANNVILLE H5H
0408 251509	2005-06-01	UPPER MANNVILLE I5I
0408 251510	2005-11-01	UPPER MANNVILLE J5J
0408 251512	2006-11-01	UPPER MANNVILLE L5L
0408 251513	2006-12-01	UPPER MANNVILLE M5M
0408 251514	2006-12-01	UPPER MANNVILLE N5N
0408 251515	2010-04-01	UPPER MANNVILLE O5O
0408 251516	2008-05-01	UPPER MANNVILLE P5P
0408 251517	2008-06-01	UPPER MANNVILLE Q5Q
0408 251518	2009-02-01	UPPER MANNVILLE R5R
0408 251519	2011-06-01	UPPER MANNVILLE S5S
0408 251520	2012-07-01	UPPER MANNVILLE T5T
0408 251521	2013-04-01	UPPER MANNVILLE U5U
0408 300001	2014-05-01	GLAUCONITIC A
0408 300002	2014-05-01	GLAUCONITIC B
0408 300003	2014-05-01	GLAUCONITIC C
0408 300004	2014-05-01	GLAUCONITIC D
0408 300005	2014-05-01	GLAUCONITIC E
0408 310001	2010-04-01	LOWER MANNVILLE A
0408 310002	2001-02-01	LOWER MANNVILLE B
0408 310005	2001-02-01	LOWER MANNVILLE E
0408 310006	2001-02-01	LOWER MANNVILLE F
0408 310007	2001-02-01	LOWER MANNVILLE G
0408 310008	2010-04-01	LOWER MANNVILLE H
0408 310010	2001-02-01	LOWER MANNVILLE J
0408 310011	2001-02-01	LOWER MANNVILLE K
0408 310012	2001-02-01	LOWER MANNVILLE L
0408 310014	2001-02-01	LOWER MANNVILLE N
0408 310016	2011-10-01	LOWER MANNVILLE P

**POOL DESIGNATION (cont'd)**

0408 310017	2001-02-01	LOWER MANNVILLE Q
0408 310018	2001-02-01	LOWER MANNVILLE R
0408 310019	2001-02-01	LOWER MANNVILLE S
0408 310020	2001-02-01	LOWER MANNVILLE T
0408 310021	2007-04-01	LOWER MANNVILLE U
0408 310022	2001-02-01	LOWER MANNVILLE V
0408 310023	2001-02-01	LOWER MANNVILLE W
0408 310024	2001-02-01	LOWER MANNVILLE X
0408 310026	2001-02-01	LOWER MANNVILLE Z
0408 310030	2001-02-01	LOWER MANNVILLE DD
0408 310031	2001-02-01	LOWER MANNVILLE EE
0408 310032	2001-02-01	LOWER MANNVILLE FF
0408 310034	2001-02-01	LOWER MANNVILLE HH
0408 310035	2004-08-01	LOWER MANNVILLE II
0408 310036	2001-02-01	LOWER MANNVILLE JJ
0408 310037	2001-02-01	LOWER MANNVILLE KK
0408 310038	2001-02-01	LOWER MANNVILLE LL
0408 310039	2001-02-01	LOWER MANNVILLE MM
0408 310040	2001-02-01	LOWER MANNVILLE NN
0408 310041	2001-02-01	LOWER MANNVILLE OO
0408 310042	2001-02-01	LOWER MANNVILLE PP
0408 310043	2001-02-01	LOWER MANNVILLE QQ
0408 310044	2001-02-01	LOWER MANNVILLE RR
0408 310045	2001-02-01	LOWER MANNVILLE SS
0408 310046	2001-02-01	LOWER MANNVILLE TT
0408 310047	2001-02-01	LOWER MANNVILLE UU
0408 310048	2001-02-01	LOWER MANNVILLE VV
0408 310049	2001-02-01	LOWER MANNVILLE WW
0408 310050	2003-07-01	LOWER MANNVILLE XX
0408 310101	2001-02-01	LOWER MANNVILLE AAA
0408 310102	2006-11-01	LOWER MANNVILLE BBB
0408 310103	2001-02-01	LOWER MANNVILLE CCC
0408 310104	2001-02-01	LOWER MANNVILLE DDD
0408 310105	2011-12-01	LOWER MANNVILLE EEE
0408 310106	2001-03-01	LOWER MANNVILLE FFF
0408 310107	2002-01-01	LOWER MANNVILLE GGG
0408 310108	2010-04-01	LOWER MANNVILLE HHH
0408 310109	2002-01-01	LOWER MANNVILLE III

**POOL DESIGNATION (cont'd)**

0408 310110 2002-11-01	LOWER MANNVILLE JJJ
0408 310111 2005-01-01	LOWER MANNVILLE KKK
0408 310112 2005-10-01	LOWER MANNVILLE LLL
0408 310113 2007-01-01	LOWER MANNVILLE MMM
0408 310114 2007-05-01	LOWER MANNVILLE NNN
0408 310115 2010-08-01	LOWER MANNVILLE OOO
0408 310116 2014-02-01	LOWER MANNVILLE PPP
0408 316001 2014-05-01	OSTRACOD A
0408 316002 2014-05-01	OSTRACOD B
0408 336001 2014-05-01	ELLERSLIE A
0408 336002 2014-05-01	ELLERSLIE B
0408 336003 2014-06-01	ELLERSLIE C
0408 336004 2014-05-01	ELLERSLIE D
0408 336006 2014-05-01	ELLERSLIE F
0408 336007 2014-05-01	ELLERSLIE G
0408 336008 2014-05-01	ELLERSLIE H
0408 642001 2010-04-01	PEKISKO A
0408 642002 2010-04-01	PEKISKO B
0408 642006 2001-02-01	PEKISKO F
0408 642007 2001-09-01	PEKISKO G
0408 642008 2001-02-01	PEKISKO H
0408 642011 2010-04-01	PEKISKO K
0408 642012 2001-02-01	PEKISKO L
0408 642013 2001-02-01	PEKISKO M
0408 642014 2001-02-01	PEKISKO N
0408 642015 2003-06-01	PEKISKO O
0408 642016 2001-02-01	PEKISKO P
0408 642018 2001-02-01	PEKISKO R
0408 642019 2001-02-01	PEKISKO S
0408 642020 2001-02-01	PEKISKO T
0408 642021 2002-12-01	PEKISKO U
0408 642022 2002-12-01	PEKISKO V
0408 642023 2006-10-01	PEKISKO W
0408 642024 2013-01-01	PEKISKO X

**POOL DESIGNATION (cont'd)**

0408 696001 2014-05-01	D-2 A
0408 696002 2014-05-01	D-2 B
0408 710001 2014-05-01	IRETON A
0408 720001 2014-05-01	D-3 A
0408 720002 2014-05-01	D-3 B
0408 850600 2015-07-01	MFP8506 BELLY RIVER
0408 851100 2015-07-01	MFP8511 VIKING
0408 853500 2015-07-01	MFP8535 BSL BELLY RIV
0408 859000 2015-07-01	MFP8590 BSL BELLY RIV
0408 960600 2013-03-01	MFP9606 CBM CARB
0408 960700 2012-06-01	MFP9607 CBM UHSC
0408 961000 2012-06-01	MFP9610 CBM DBSL
0408 961100 2012-06-01	MFP9611 CBM WNRS
0408 961400 2013-06-01	MFP9614 CBM LETH
0408 961500 2013-05-01	MFP9615 CBM TABR
0408 961600 2012-06-01	MFP9616 CBM MCKY

**SPACING PATTERN**

SU 4186 10 Jun 2004  
SU 4186A 8 Jul 2004  
SU 4186B 20 Aug 2004  
SU 4186C 13 Oct 2004  
SU 4186D 12 Jan 2005  
SU 4186E 13 Apr 2005  
SU 4186F 28 Apr 2005  
SU 4186G 27 May 2005  
SU 4186H 8 Aug 2005  
SU 4186I 22 Sep 2005  
SU 4186J 13 Oct 2005  
SU 4186K 24 Nov 2005  
SU 4186L 13 Dec 2005  
SU 4186M 6 Jan 2006  
SU 4186N 30 Jan 2006  
SU 4186O 16 Mar 2006  
SU 4186P 12 Oct 2007

**COMMINGLED PRODUCTION**

MU 8630 9 Jul 2014

**ENHANCED RECOVERY SCHEMES**

App 10447A 27 Jan 2015  
Waterflood  
Lower Mannville L  
Signalta Resources Limited

**CONCURRENT PRODUCTION**

MISC 8806 24 Mar 1988  
Lower Mannville N

**SUBSURFACE DISPOSAL SCHEMES**

App 7380B 11 Jul 2014  
Class II  
Bears paw Petroleum Ltd.

**COMPULSORY POOLING**

P 50 18 Jul 1980  
P 50A 19 Apr 1984  
Gas  
10-032-22W4  
Fred G. Gannon

P 91 24 Feb 1988  
Gas  
31-032-22W4M  
Suncor Inc.

P 381 13 Feb 2009  
P 381A 10 Aug 2009  
Gas  
01-033-23W4  
Response Energy Corporation

**FIELD DESIGNATION**

0322 2013-05-01                      GIFT FIELD

**POOL DESIGNATION**

0322 658001 2013-05-01              WABAMUN A

0322 758001 2010-04-01              SLAVE POINT A  
0322 758003 2001-09-01              SLAVE POINT C  
0322 758004 2001-02-01              SLAVE POINT D  
0322 758005 2001-02-01              SLAVE POINT E  
0322 758007 2001-02-01              SLAVE POINT G  
0322 758008 2010-04-01              SLAVE POINT H  
0322 758009 2001-02-01              SLAVE POINT I  
0322 758010 2010-04-01              SLAVE POINT J  
0322 758011 2001-02-01              SLAVE POINT K  
0322 758012 2001-02-01              SLAVE POINT L  
0322 758013 2001-02-01              SLAVE POINT M  
0322 758014 2013-03-01              SLAVE POINT N  
0322 758015 2013-05-01              SLAVE POINT O  
0322 758016 2013-05-01              SLAVE POINT P  
0322 758017 2014-02-01              SLAVE POINT Q

0322 765501 2008-06-01              GILWOOD A  
0322 765504 2008-06-01              GILWOOD D  
0322 765505 2008-06-01              GILWOOD E  
0322 765507 2008-06-01              GILWOOD G  
0322 765508 2008-06-01              GILWOOD H  
0322 765509 2008-06-01              GILWOOD I  
0322 765510 2010-04-01              GILWOOD J  
0322 765511 2008-06-01              GILWOOD K  
0322 765512 2008-06-01              GILWOOD L  
0322 765513 2010-04-01              GILWOOD M  
0322 765514 2008-06-01              GILWOOD N  
0322 765515 2008-06-01              GILWOOD O  
0322 765516 2008-06-01              GILWOOD P  
0322 765518 2008-06-01              GILWOOD R

**POOL DESIGNATION (cont'd)**

0322 765519 2008-06-01	GILWOOD S
0322 765520 2008-06-01	GILWOOD T
0322 765521 2008-06-01	GILWOOD U
0322 765522 2008-06-01	GILWOOD V
0322 765523 2008-06-01	GILWOOD W
0322 765524 2010-04-01	GILWOOD X
0322 765525 2008-06-01	GILWOOD Y
0322 765526 2008-06-01	GILWOOD Z
0322 765527 2008-06-01	GILWOOD AA
0322 765528 2008-06-01	GILWOOD BB
0322 765529 2008-06-01	GILWOOD CC
0322 765531 2008-06-01	GILWOOD EE
0322 765532 2008-06-01	GILWOOD FF
0322 765533 2008-06-01	GILWOOD GG
0322 765534 2008-06-01	GILWOOD HH
0322 765535 2008-06-01	GILWOOD II
0322 765536 2008-06-01	GILWOOD JJ
0322 765537 2008-06-01	GILWOOD KK
0322 765538 2008-06-01	GILWOOD LL
0322 765539 2013-05-01	GILWOOD MM
0322 765540 2013-05-01	GILWOOD NN
0322 797501 2008-06-01	GRANITE WASH A
0322 797502 2008-06-01	GRANITE WASH B
0322 797503 2008-06-01	GRANITE WASH C
0322 797504 2008-06-01	GRANITE WASH D
0322 797505 2008-06-01	GRANITE WASH E
0322 797506 2008-06-01	GRANITE WASH F
0322 797507 2010-04-01	GRANITE WASH G
0322 797509 2008-06-01	GRANITE WASH I



**SPACING PATTERN**

SU 2363 15 Nov 1995  
SU 2363A 19 Aug 1997  
SU 2363B 14 Apr 1998  
SU 2363C 5 Nov 1998  
SU 2363D 7 Apr 2005  
SU 2363E 24 Aug 2005  
SU 2363F 4 Dec 2006

**COMMINGLED PRODUCTION**

MU 1877 10 Nov 1999

**ENHANCED RECOVERY SCHEMES**

MISC 93446 22 Feb 1994  
MISC 93446A 14 Aug 2002  
MISC 93446B 22 Nov 2002  
MISC 93446C 18 Nov 2003  
MISC 93446D 10 Dec 2003  
MISC 93446E 3 Dec 2004  
MISC 93446F 22 Dec 2005  
MISC 93446G 3 Feb 2010  
Waterflood  
Gilwood Formation

App 5672G 28 Aug 2015  
Waterflood  
Slave Point C  
Canadian Natural Resources Limited

App 7819E 3 Nov 2015  
Waterflood  
Slave Point H  
Canadian Natural Resources Limited

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

App 9636E 26 Aug 2015  
Waterflood  
Slave Point A  
Canadian Natural Resources Limited

App 9755F 17 Nov 2015  
Waterflood  
Granite Wash G  
Summerland Energy Inc.

**SUBSURFACE DISPOSAL SCHEMES**

App 6225C 24 Jul 2014  
Class II  
Canadian Natural Resources Limited

**FIELD DESIGNATION**

0412 2016-06-01 GILBY FIELD

**POOL DESIGNATION**

0412 064001 2010-04-01 PASKAPOO A  
0412 064002 2010-09-01 PASKAPOO B  
0412 064003 2011-11-01 PASKAPOO C

0412 106001 2001-03-01 EDMONTON A  
0412 106003 2013-04-01 EDMONTON C  
0412 106019 2006-04-01 EDMONTON S  
0412 106023 2010-04-01 EDMONTON W  
0412 106028 2010-04-01 EDMONTON BB  
0412 106032 2010-04-01 EDMONTON FF  
0412 106048 2010-04-01 EDMONTON VV  
0412 106051 2009-07-01 EDMONTON YY  
0412 106601 2011-01-01 EDMONTON AAA  
0412 106607 2010-11-01 EDMONTON GGG  
0412 106608 2010-11-01 EDMONTON HHH  
0412 106609 2010-11-01 EDMONTON III  
0412 106611 2011-03-01 EDMONTON KKK  
0412 106612 2011-10-01 EDMONTON LLL  
0412 106613 2011-10-01 EDMONTON MMM  
0412 106614 2013-07-01 EDMONTON NNN

0412 118803 2006-11-01 LOWER EDMONTON C  
0412 118806 2012-05-01 LOWER EDMONTON F  
0412 118808 2013-04-01 LOWER EDMONTON H  
0412 118809 2010-12-01 LOWER EDMONTON I  
0412 118810 2010-08-01 LOWER EDMONTON J  
0412 118811 2010-04-01 LOWER EDMONTON K  
0412 118814 2011-02-01 LOWER EDMONTON N  
0412 118816 2007-01-01 LOWER EDMONTON P  
0412 118818 2010-04-01 LOWER EDMONTON R  
0412 118820 2007-09-01 LOWER EDMONTON T  
0412 118822 2013-04-01 LOWER EDMONTON V

**POOL DESIGNATION (cont'd)**

0412 118823 2007-12-01	LOWER EDMONTON W
0412 118827 2009-04-01	LOWER EDMONTON AA
0412 118829 2009-04-01	LOWER EDMONTON CC
0412 118831 2012-06-01	LOWER EDMONTON EE
0412 118833 2008-02-01	LOWER EDMONTON GG
0412 118835 2008-04-01	LOWER EDMONTON II
0412 118841 2012-01-01	LOWER EDMONTON OO
0412 118849 2010-04-01	LOWER EDMONTON WW
0412 119302 2011-06-01	LOWER EDMONTON BBB
0412 119303 2011-06-01	LOWER EDMONTON CCC
0412 119306 2011-06-01	LOWER EDMONTON FFF
0412 119307 2011-06-01	LOWER EDMONTON GGG
0412 119308 2011-06-01	LOWER EDMONTON HHH
0412 119309 2011-06-01	LOWER EDMONTON III
0412 119310 2013-12-01	LOWER EDMONTON JJJ
0412 119311 2011-10-01	LOWER EDMONTON KKK
0412 119312 2013-04-01	LOWER EDMONTON LLL
0412 119313 2011-10-01	LOWER EDMONTON MMM
0412 119314 2012-05-01	LOWER EDMONTON NNN
0412 119315 2013-02-01	LOWER EDMONTON OOO
0412 119316 2013-04-01	LOWER EDMONTON PPP
0412 126003 2001-02-01	BELLY RIVER C
0412 126005 2001-02-01	BELLY RIVER E
0412 126007 2009-01-01	BELLY RIVER G
0412 126009 2010-04-01	BELLY RIVER I
0412 126012 2006-09-01	BELLY RIVER L
0412 126013 2007-01-01	BELLY RIVER M
0412 126014 2008-05-01	BELLY RIVER N
0412 126015 2008-08-01	BELLY RIVER O
0412 126016 2011-03-01	BELLY RIVER P
0412 126017 2013-02-01	BELLY RIVER Q
0412 126018 2015-10-01	BELLY RIVER R
0412 134001 2010-05-01	BASAL BELLY RIVER A
0412 134002 2005-06-01	BASAL BELLY RIVER B
0412 134003 2005-06-01	BASAL BELLY RIVER C
0412 134004 2005-07-01	BASAL BELLY RIVER D

**POOL DESIGNATION (cont'd)**

0412 176001 2011-12-01	CARDIUM A
0412 176002 2001-02-01	CARDIUM B
0412 176007 2009-02-01	CARDIUM G
0412 176008 2011-02-01	CARDIUM H
0412 176009 2011-02-01	CARDIUM I
0412 186001 2010-04-01	SECOND WHITE SPECKS A
0412 186002 2001-02-01	SECOND WHITE SPECKS B
0412 186003 2001-02-01	SECOND WHITE SPECKS C
0412 186004 2001-03-01	SECOND WHITE SPECKS D
0412 186005 2001-03-01	SECOND WHITE SPECKS E
0412 186006 2001-03-01	SECOND WHITE SPECKS F
0412 186007 2012-09-01	SECOND WHITE SPECKS G
0412 186008 2001-02-01	SECOND WHITE SPECKS H
0412 186009 2004-02-01	SECOND WHITE SPECKS I
0412 218001 2012-08-01	VIKING A
0412 218002 2010-04-01	VIKING B
0412 218003 2010-04-01	VIKING C
0412 218006 2010-04-01	VIKING F
0412 218007 2001-02-01	VIKING G
0412 218008 2010-04-01	VIKING H
0412 218010 2001-09-01	VIKING J
0412 218011 2001-02-01	VIKING K
0412 218012 2001-02-01	VIKING L
0412 218013 2001-02-01	VIKING M
0412 218014 2005-01-01	VIKING N
0412 218015 2004-11-01	VIKING O
0412 218016 2010-07-01	VIKING P
0412 250001 2001-02-01	UPPER MANNVILLE A
0412 250005 2009-01-01	UPPER MANNVILLE E
0412 250007 2015-12-01	UPPER MANNVILLE G
0412 250008 2001-02-01	UPPER MANNVILLE H
0412 250010 2010-04-01	UPPER MANNVILLE J
0412 250011 2001-02-01	UPPER MANNVILLE K
0412 250012 2014-06-01	UPPER MANNVILLE L
0412 250013 2010-01-01	UPPER MANNVILLE M

**POOL DESIGNATION (cont'd)**

0412 250014	2010-04-01	UPPER MANNVILLE N
0412 250015	2001-02-01	UPPER MANNVILLE O
0412 250016	2010-04-01	UPPER MANNVILLE P
0412 250017	2001-02-01	UPPER MANNVILLE Q
0412 250020	2001-02-01	UPPER MANNVILLE T
0412 250021	2015-10-01	UPPER MANNVILLE U
0412 250022	2001-03-01	UPPER MANNVILLE V
0412 250023	2010-04-01	UPPER MANNVILLE W
0412 250024	2004-08-01	UPPER MANNVILLE X
0412 250025	2001-10-01	UPPER MANNVILLE Y
0412 250026	2001-10-01	UPPER MANNVILLE Z
0412 250027	2001-10-01	UPPER MANNVILLE AA
0412 250028	2002-03-01	UPPER MANNVILLE BB
0412 250029	2002-10-01	UPPER MANNVILLE CC
0412 250030	2010-05-01	UPPER MANNVILLE DD
0412 250031	2010-07-01	UPPER MANNVILLE EE
0412 250033	2002-12-01	UPPER MANNVILLE GG
0412 250034	2003-10-01	UPPER MANNVILLE HH
0412 250036	2009-06-01	UPPER MANNVILLE JJ
0412 250037	2008-04-01	UPPER MANNVILLE KK
0412 250039	2003-12-01	UPPER MANNVILLE MM
0412 250041	2003-09-01	UPPER MANNVILLE OO
0412 250042	2003-10-01	UPPER MANNVILLE PP
0412 250043	2009-02-01	UPPER MANNVILLE QQ
0412 250044	2010-04-01	UPPER MANNVILLE RR
0412 250046	2013-07-01	UPPER MANNVILLE TT
0412 250047	2010-04-01	UPPER MANNVILLE UU
0412 250048	2011-09-01	UPPER MANNVILLE VV
0412 250049	2004-12-01	UPPER MANNVILLE WW
0412 250050	2012-04-01	UPPER MANNVILLE XX
0412 250051	2004-05-01	UPPER MANNVILLE YY
0412 250701	2009-06-01	UPPER MANNVILLE AAA
0412 250703	2004-11-01	UPPER MANNVILLE CCC
0412 250704	2010-04-01	UPPER MANNVILLE DDD
0412 250706	2010-04-01	UPPER MANNVILLE FFF
0412 250707	2010-04-01	UPPER MANNVILLE GGG
0412 250708	2009-02-01	UPPER MANNVILLE HHH
0412 250709	2007-01-01	UPPER MANNVILLE III

**POOL DESIGNATION (cont'd)**

0412 250710 2013-06-01	UPPER MANNVILLE JJJ
0412 250711 2013-08-01	UPPER MANNVILLE KKK
0412 250712 2010-04-01	UPPER MANNVILLE LLL
0412 250713 2010-04-01	UPPER MANNVILLE MMM
0412 250714 2006-05-01	UPPER MANNVILLE NNN
0412 250715 2006-05-01	UPPER MANNVILLE OOO
0412 250716 2006-05-01	UPPER MANNVILLE PPP
0412 250718 2009-06-01	UPPER MANNVILLE RRR
0412 250720 2007-02-01	UPPER MANNVILLE TTT
0412 250721 2007-07-01	UPPER MANNVILLE UUU
0412 250723 2011-04-01	UPPER MANNVILLE WWW
0412 250724 2010-04-01	UPPER MANNVILLE XXX
0412 250725 2007-07-01	UPPER MANNVILLE YYY
0412 250726 2008-02-01	UPPER MANNVILLE ZZZ
0412 250728 2008-05-01	UPPER MANNVILLE B2B
0412 250729 2008-06-01	UPPER MANNVILLE C2C
0412 250730 2008-08-01	UPPER MANNVILLE D2D
0412 250731 2010-04-01	UPPER MANNVILLE E2E
0412 250732 2009-02-01	UPPER MANNVILLE F2F
0412 250734 2009-04-01	UPPER MANNVILLE H2H
0412 250735 2009-06-01	UPPER MANNVILLE I2I
0412 250736 2009-07-01	UPPER MANNVILLE J2J
0412 250737 2009-08-01	UPPER MANNVILLE K2K
0412 250738 2009-10-01	UPPER MANNVILLE L2L
0412 250739 2009-10-01	UPPER MANNVILLE M2M
0412 250740 2009-10-01	UPPER MANNVILLE N2N
0412 250741 2010-04-01	UPPER MANNVILLE O2O
0412 250742 2009-11-01	UPPER MANNVILLE P2P
0412 250743 2010-04-01	UPPER MANNVILLE Q2Q
0412 250744 2010-06-01	UPPER MANNVILLE R2R
0412 250745 2011-12-01	UPPER MANNVILLE S2S
0412 250746 2011-08-01	UPPER MANNVILLE T2T
0412 250747 2011-07-01	UPPER MANNVILLE U2U
0412 250748 2011-08-01	UPPER MANNVILLE V2V
0412 250750 2011-11-01	UPPER MANNVILLE X2X
0412 250751 2013-02-01	UPPER MANNVILLE Y2Y
0412 250752 2012-08-01	UPPER MANNVILLE Z2Z
0412 251101 2012-11-01	UPPER MANNVILLE A3A

**POOL DESIGNATION (cont'd)**

0412 251103 2012-06-01	UPPER MANNVILLE C3C
0412 251104 2012-07-01	UPPER MANNVILLE D3D
0412 251105 2012-07-01	UPPER MANNVILLE E3E
0412 251106 2016-09-01	UPPER MANNVILLE F3F
0412 251107 2013-09-01	UPPER MANNVILLE G3G
0412 251108 2013-04-01	UPPER MANNVILLE H3H
0412 251109 2013-04-01	UPPER MANNVILLE I3I
0412 251110 2013-09-01	UPPER MANNVILLE J3J
0412 251111 2014-04-01	UPPER MANNVILLE K3K
0412 251112 2014-04-01	UPPER MANNVILLE L3L
0412 251113 2015-02-01	UPPER MANNVILLE M3M
0412 251114 2016-01-01	UPPER MANNVILLE N3N
0412 251115 2016-01-01	UPPER MANNVILLE O3O
0412 320001 2010-04-01	BASAL MANNVILLE A
0412 320002 2011-08-01	BASAL MANNVILLE B
0412 320003 2001-02-01	BASAL MANNVILLE C
0412 320004 2001-02-01	BASAL MANNVILLE D
0412 320005 2001-02-01	BASAL MANNVILLE E
0412 320006 2001-02-01	BASAL MANNVILLE F
0412 320007 2001-02-01	BASAL MANNVILLE G
0412 320008 2013-04-01	BASAL MANNVILLE H
0412 320009 2010-04-01	BASAL MANNVILLE I
0412 320011 2001-02-01	BASAL MANNVILLE K
0412 320012 2001-02-01	BASAL MANNVILLE L
0412 320013 2002-10-01	BASAL MANNVILLE M
0412 320015 2001-02-01	BASAL MANNVILLE O
0412 320016 2001-02-01	BASAL MANNVILLE P
0412 320017 2001-02-01	BASAL MANNVILLE Q
0412 320019 2014-11-01	BASAL MANNVILLE S
0412 320020 2001-02-01	BASAL MANNVILLE T
0412 320024 2001-02-01	BASAL MANNVILLE X
0412 320025 2001-02-01	BASAL MANNVILLE Y
0412 320026 2001-02-01	BASAL MANNVILLE Z
0412 320027 2001-02-01	BASAL MANNVILLE AA
0412 320028 2001-02-01	BASAL MANNVILLE BB
0412 320029 2001-02-01	BASAL MANNVILLE CC
0412 320030 2001-02-01	BASAL MANNVILLE DD

**POOL DESIGNATION (cont'd)**

0412 320032	2001-02-01	BASAL MANNVILLE FF
0412 320033	2001-02-01	BASAL MANNVILLE GG
0412 320034	2001-02-01	BASAL MANNVILLE HH
0412 320035	2010-04-01	BASAL MANNVILLE II
0412 320036	2001-02-01	BASAL MANNVILLE JJ
0412 320038	2001-02-01	BASAL MANNVILLE LL
0412 320039	2001-02-01	BASAL MANNVILLE MM
0412 320040	2001-02-01	BASAL MANNVILLE NN
0412 320041	2001-02-01	BASAL MANNVILLE OO
0412 320042	2010-04-01	BASAL MANNVILLE PP
0412 320044	2001-02-01	BASAL MANNVILLE RR
0412 320045	2001-02-01	BASAL MANNVILLE SS
0412 320046	2010-04-01	BASAL MANNVILLE TT
0412 320047	2001-02-01	BASAL MANNVILLE UU
0412 320048	2001-02-01	BASAL MANNVILLE VV
0412 320049	2001-02-01	BASAL MANNVILLE WW
0412 320051	2010-04-01	BASAL MANNVILLE YY
0412 320052	2001-02-01	BASAL MANNVILLE ZZ
0412 320101	2010-04-01	BASAL MANN-JUR A
0412 320601	2001-02-01	BASAL MANNVILLE AAA
0412 320602	2003-12-01	BASAL MANNVILLE BBB
0412 320603	2001-02-01	BASAL MANNVILLE CCC
0412 320604	2010-08-01	BASAL MANNVILLE DDD
0412 320605	2005-04-01	BASAL MANNVILLE EEE
0412 320607	2001-02-01	BASAL MANNVILLE GGG
0412 320609	2007-06-01	BASAL MANNVILLE III
0412 320610	2001-02-01	BASAL MANNVILLE JJJ
0412 320612	2001-02-01	BASAL MANNVILLE LLL
0412 320614	2001-02-01	BASAL MANNVILLE NNN
0412 320615	2001-02-01	BASAL MANNVILLE OOO
0412 320616	2001-02-01	BASAL MANNVILLE PPP
0412 320617	2001-02-01	BASAL MANNVILLE QQQ
0412 320618	2001-02-01	BASAL MANNVILLE RRR
0412 320619	2003-09-01	BASAL MANNVILLE SSS
0412 320621	2001-02-01	BASAL MANNVILLE UUU
0412 320623	2001-02-01	BASAL MANNVILLE WWW



**POOL DESIGNATION (cont'd)**

0412 320624 2001-02-01	BASAL MANNVILLE XXX
0412 320625 2001-02-01	BASAL MANNVILLE YYY
0412 320626 2002-04-01	BASAL MANNVILLE ZZZ
0412 320627 2001-03-01	BASAL MANNVILLE A2A
0412 320628 2009-06-01	BASAL MANNVILLE B2B
0412 320629 2001-03-01	BASAL MANNVILLE C2C
0412 320630 2009-04-01	BASAL MANNVILLE D2D
0412 320631 2001-06-01	BASAL MANNVILLE E2E
0412 320632 2002-02-01	BASAL MANNVILLE F2F
0412 320633 2001-10-01	BASAL MANNVILLE G2G
0412 320634 2001-12-01	BASAL MANNVILLE H2H
0412 320635 2002-03-01	BASAL MANNVILLE I2I
0412 320636 2002-03-01	BASAL MANNVILLE J2J
0412 320638 2002-02-01	BASAL MANNVILLE L2L
0412 320639 2002-02-01	BASAL MANNVILLE M2M
0412 320640 2002-09-01	BASAL MANNVILLE N2N
0412 320641 2015-03-01	BASAL MANNVILLE O2O
0412 320642 2002-03-01	BASAL MANNVILLE P2P
0412 320643 2002-11-01	BASAL MANNVILLE Q2Q
0412 320644 2009-10-01	BASAL MANNVILLE R2R
0412 320645 2003-02-01	BASAL MANNVILLE S2S
0412 320646 2003-03-01	BASAL MANNVILLE T2T
0412 320648 2003-10-01	BASAL MANNVILLE V2V
0412 320649 2008-04-01	BASAL MANNVILLE W2W
0412 320650 2003-12-01	BASAL MANNVILLE X2X
0412 320651 2003-08-01	BASAL MANNVILLE Y2Y
0412 320652 2004-02-01	BASAL MANNVILLE Z2Z
0412 320702 2010-04-01	BASAL MANNVILLE B3B
0412 320703 2010-04-01	BASAL MANNVILLE C3C
0412 320704 2009-06-01	BASAL MANNVILLE D3D
0412 320705 2004-12-01	BASAL MANNVILLE E3E
0412 320708 2010-04-01	BASAL MANNVILLE H3H
0412 320709 2004-06-01	BASAL MANNVILLE I3I
0412 320711 2004-12-01	BASAL MANNVILLE K3K
0412 320713 2011-10-01	BASAL MANNVILLE M3M
0412 320714 2010-04-01	BASAL MANNVILLE N3N
0412 320715 2005-04-01	BASAL MANNVILLE O3O
0412 320716 2005-02-01	BASAL MANNVILLE P3P

**POOL DESIGNATION (cont'd)**

0412 320717 2005-04-01	BASAL MANNVILLE Q3Q
0412 320718 2005-04-01	BASAL MANNVILLE R3R
0412 320719 2005-08-01	BASAL MANNVILLE S3S
0412 320720 2005-07-01	BASAL MANNVILLE T3T
0412 320721 2005-12-01	BASAL MANNVILLE U3U
0412 320722 2010-12-01	BASAL MANNVILLE V3V
0412 320724 2006-06-01	BASAL MANNVILLE X3X
0412 320725 2010-04-01	BASAL MANNVILLE Y3Y
0412 320726 2013-08-01	BASAL MANNVILLE Z3Z
0412 320727 2010-04-01	BASAL MANNVILLE A4A
0412 320728 2010-04-01	BASAL MANNVILLE B4B
0412 320729 2010-04-01	BASAL MANNVILLE C4C
0412 320730 2006-04-01	BASAL MANNVILLE D4D
0412 320732 2010-04-01	BASAL MANNVILLE F4F
0412 320733 2010-04-01	BASAL MANNVILLE G4G
0412 320734 2012-06-01	BASAL MANNVILLE H4H
0412 320735 2006-05-01	BASAL MANNVILLE I4I
0412 320736 2007-01-01	BASAL MANNVILLE J4J
0412 320737 2007-07-01	BASAL MANNVILLE K4K
0412 320738 2007-02-01	BASAL MANNVILLE L4L
0412 320739 2007-07-01	BASAL MANNVILLE M4M
0412 320740 2007-07-01	BASAL MANNVILLE N4N
0412 320741 2008-04-01	BASAL MANNVILLE O4O
0412 320742 2008-04-01	BASAL MANNVILLE P4P
0412 320743 2008-05-01	BASAL MANNVILLE Q4Q
0412 320744 2010-04-01	BASAL MANNVILLE R4R
0412 320745 2008-06-01	BASAL MANNVILLE S4S
0412 320746 2010-04-01	BASAL MANNVILLE T4T
0412 320747 2010-04-01	BASAL MANNVILLE U4U
0412 320748 2009-02-01	BASAL MANNVILLE V4V
0412 320749 2009-08-01	BASAL MANNVILLE W4W
0412 320750 2009-03-01	BASAL MANNVILLE X4X
0412 320751 2009-03-01	BASAL MANNVILLE Y4Y
0412 320752 2009-04-01	BASAL MANNVILLE Z4Z
0412 320901 2010-04-01	BASAL MANNVILLE A5A
0412 320902 2010-04-01	BASAL MANNVILLE B5B
0412 320903 2009-08-01	BASAL MANNVILLE C5C
0412 320904 2009-08-01	BASAL MANNVILLE D5D

**POOL DESIGNATION (cont'd)**

0412 320905 2010-04-01	BASAL MANNVILLE E5E
0412 320906 2010-07-01	BASAL MANNVILLE F5F
0412 320907 2010-04-01	BASAL MANNVILLE G5G
0412 320908 2009-11-01	BASAL MANNVILLE H5H
0412 320909 2010-04-01	BASAL MANNVILLE I5I
0412 320910 2010-04-01	BASAL MANNVILLE J5J
0412 320911 2010-12-01	BASAL MANNVILLE K5K
0412 320912 2010-12-01	BASAL MANNVILLE L5L
0412 320913 2011-08-01	BASAL MANNVILLE M5M
0412 320914 2012-04-01	BASAL MANNVILLE N5N
0412 320915 2012-07-01	BASAL MANNVILLE O5O
0412 320916 2013-09-01	BASAL MANNVILLE P5P
0412 320917 2013-09-01	BASAL MANNVILLE Q5Q
0412 350001 2005-10-01	DETRITAL A
0412 444001 2015-10-01	NORDEGG A
0412 446002 2010-04-01	JURASSIC B
0412 446004 2010-07-01	JURASSIC D
0412 446006 2010-04-01	JURASSIC F
0412 446011 2001-02-01	JURASSIC K
0412 446013 2001-02-01	JURASSIC M
0412 446015 2006-09-01	JURASSIC O
0412 446016 2001-02-01	JURASSIC P
0412 446018 2001-02-01	JURASSIC R
0412 446019 2001-02-01	JURASSIC S
0412 446020 2001-02-01	JURASSIC T
0412 446021 2002-05-01	JURASSIC U
0412 446022 2001-02-01	JURASSIC V
0412 446024 2001-02-01	JURASSIC X
0412 446025 2001-02-01	JURASSIC Y
0412 446027 2010-04-01	JURASSIC AA
0412 446029 2002-03-01	JURASSIC CC
0412 446030 2005-04-01	JURASSIC DD
0412 446031 2005-07-01	JURASSIC EE
0412 446032 2005-11-01	JURASSIC FF
0412 446033 2005-07-01	JURASSIC GG

**POOL DESIGNATION (cont'd)**

0412 446034 2006-10-01	JURASSIC HH
0412 446035 2007-02-01	JURASSIC II
0412 446036 2010-04-01	JURASSIC JJ
0412 446037 2007-09-01	JURASSIC KK
0412 446038 2009-01-01	JURASSIC LL
0412 446100 2014-05-01	JURASSIC-RUNDLE
0412 610001 2010-04-01	RUNDLE A
0412 610002 2011-02-01	RUNDLE B
0412 610005 2010-04-01	RUNDLE E
0412 610007 2005-07-01	RUNDLE G
0412 610008 2001-03-01	RUNDLE H
0412 610009 2001-02-01	RUNDLE I
0412 610011 2001-02-01	RUNDLE K
0412 610012 2001-02-01	RUNDLE L
0412 610013 2001-02-01	RUNDLE M
0412 610014 2003-07-01	RUNDLE N
0412 610016 2001-02-01	RUNDLE P
0412 610017 2006-05-01	RUNDLE Q
0412 610018 2010-04-01	RUNDLE R
0412 610019 2001-02-01	RUNDLE S
0412 610020 2011-04-01	RUNDLE T
0412 610022 2001-02-01	RUNDLE V
0412 610023 2010-04-01	RUNDLE W
0412 610024 2001-02-01	RUNDLE X
0412 610025 2001-03-01	RUNDLE Y
0412 610026 2010-04-01	RUNDLE Z
0412 610027 2003-07-01	RUNDLE AA
0412 610028 2004-01-01	RUNDLE BB
0412 642001 2004-12-01	PEKISKO A
0412 642002 2005-03-01	PEKISKO B
0412 642003 2009-07-01	PEKISKO C
0412 642004 2009-07-01	PEKISKO D
0412 644001 2001-02-01	BANFF A
0412 644002 2001-02-01	BANFF B

**POOL DESIGNATION (cont'd)**

0412 658001 2001-02-01 WABAMUN A

0412 696001 2001-02-01 NISKU A  
 0412 696002 2001-02-01 NISKU B  
 0412 696003 2004-08-01 NISKU C  
 0412 696004 2001-02-01 NISKU D

0412 720001 2001-02-01 D-3 A  
 0412 720002 2001-02-01 D-3 B

0412 856400 2013-06-01 MFP8564 EDMONTON

0412 856500 2013-06-01 MFP8565 LWR EDMONTON

0412 857400 2012-01-01 MFP8574 EDMONTON

**SPACING PATTERN**

SU 4337 23 Mar 2006  
 SU 4337A 29 May 2006  
 SU 4337B 21 Jun 2006  
 SU 4337C 13 Feb 2007  
 SU 4337D 27 Mar 2007  
 SU 4337E 26 Jul 2007  
 SU 4337F 1 Oct 2007  
 SU 4337G 19 Oct 2007

**MISCELLANEOUS ORDERS**

MISC 6605 26 Aug 1966  
 Pressure maintenance requirements  
 in Gilby Jurassic B

**COMMINGLED PRODUCTION**

MU 8623 23 May 2014

**GAS PROCESSING**

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

**ENHANCED RECOVERY SCHEMES**

App 7328E 2 Dec 2015  
 Waterflood  
 Jurassic B  
 Omers Energy Inc.

App 9947D 27 Sep 2008  
 Waterflood  
 Upper Mannville J  
 Devon Canada Corporation

App 10811D 14 May 2015  
 Waterflood  
 Basal Mannville B  
 Journey Energy Inc.

**SURFACE PIT DISPOSAL**

W 348A      6 Feb 2007  
Chevron Standard Ltd.  
North Gilby Gas Bty

W 355      1 May 1971

**COMPULSORY POOLING**

P 19      27 Oct 1961  
Gas  
11-040-03W5M  
McAlester Canadian Oil Company

P 131      17 Oct 1995  
Gas  
27-039-02W5M  
Gardiner Oil and Gas Limited

P 193      6 Jul 2000  
Gas  
06-042-02W5M  
Ionic Energy Inc.

P 297      17 May 2006  
Gas  
19-041-01W5M  
Milestone Exploration Inc.

P 305      2 Aug 2006  
P 305A      23 Jan 2008  
P 305B      26 Nov 2010  
Gas  
31-040-02W5M  
Anderson Energy Ltd

**COMPULSORY POOLING (cont'd)**

P 389      7 May 2009  
P 389A      24 Aug 2009  
Gas

24-040-03W5  
Anderson Energy Ltd

P 414      6 Aug 2010  
Gas  
26-040-01W5  
Just Freehold Energy Corp.

P 425      14 Sep 2011  
P 425A      1 Mar 2012  
Gas  
26-040-01W5  
Just Freehold Energy Corp.  
Scollard Energy Inc.

**FIELD DESIGNATION**

0413 2004-05-01 GILWOOD FIELD

**POOL DESIGNATION**

0413 192001 2001-03-01 DUNVEGAN A  
0413 192002 2001-03-01 DUNVEGAN B  
0413 192003 2004-05-01 DUNVEGAN C

0413 228001 2010-04-01 PEACE RIVER A

0413 230001 2002-05-01 PADDY A  
0413 230002 2002-11-01 PADDY B

0413 232001 2001-03-01 CADOTTE A  
0413 232002 2009-03-01 CADOTTE B

0413 264001 2009-04-01 SPIRIT RIVER A

0413 304001 2010-04-01 BLUESKY A

0413 765501 2008-06-01 GILWOOD A  
0413 765502 2008-06-01 GILWOOD B  
0413 765503 2008-06-01 GILWOOD C  
0413 765504 2008-06-01 GILWOOD D  
0413 765505 2008-06-01 GILWOOD E  
0413 765506 2008-06-01 GILWOOD F  
0413 765507 2008-06-01 GILWOOD G  
0413 765508 2008-06-01 GILWOOD H  
0413 765509 2008-06-01 GILWOOD I

**SPACING PATTERN**

SU 2365 9 Nov 1995

**MISCELLANEOUS ORDERS**

MISC 5724 1 Jan 1958  
Prod allowables  
Great Plains - Triad Muskeg  
Gilwood No. 1-9

**MISCELLANEOUS ORDERS (cont'd)**

MISC 6211 5 Mar 1962  
Oil prod allow  
Tenn D1 Gilwood 14-3-78-18  
Grt Plns Triad Muskeg  
No. 1-9-73-18

**SUBSURFACE DISPOSAL SCHEMES**

App 9175A 27 Apr 2012  
Class II  
Anterra Energy Inc.



**FIELD DESIGNATION**

0414 2001-02-01                      GIROUX LAKE FIELD

**POOL DESIGNATION**

0414 192001 2002-02-01            DUNVEGAN A

0414 218001 2010-04-01            VIKING A  
0414 218003 2001-02-01            VIKING C  
0414 218004 2001-02-01            VIKING D  
0414 218005 2001-02-01            VIKING E  
0414 218006 2001-02-01            VIKING F  
0414 218007 2001-02-01            VIKING G  
0414 218008 2010-04-01            VIKING H  
0414 218009 2001-02-01            VIKING I  
0414 218010 2001-02-01            VIKING J  
0414 218011 2001-11-01            VIKING K  
0414 218012 2001-11-01            VIKING L  
0414 218013 2006-12-01            VIKING M  
0414 218014 2015-12-01            VIKING N

0414 326001 2001-02-01            GETHING A  
0414 326002 2001-02-01            GETHING B  
0414 326003 2001-07-01            GETHING C  
0414 326004 2001-02-01            GETHING D  
0414 326005 2002-05-01            GETHING E

**SPACING PATTERN**

SU 2843            18 Nov 1997  
SU 2843A          12 May 2004

**COMMINGLED PRODUCTION**

MU 6332            12 Dec 2006

**ENHANCED RECOVERY SCHEMES**

App 1703I          25 Aug 2015  
Waterflood  
Viking A  
Clampett Energy Ltd.

App 9935F          20 Aug 2015  
Waterflood  
Viking F  
Harvest Operations Corp.

**SUBSURFACE DISPOSAL SCHEMES**

App 12637 12 Jun 2017  
Class II & Ib  
Dragos Energy Corp.

**FIELD DESIGNATION**

0330 2014-10-01 GIROUXVILLE EAST FIELD

**POOL DESIGNATION**

0330 228001 2004-02-01 PEACE RIVER A

0330 230001 2001-02-01 PADDY A

0330 230002 2008-03-01 PADDY B

0330 230003 2008-10-01 PADDY C

0330 264001 2002-07-01 SPIRIT RIVER A

0330 264002 2012-01-01 SPIRIT RIVER B

0330 304001 2001-03-01 BLUESKY A

0330 304002 2012-01-01 BLUESKY B

0330 326001 2010-08-01 GETHING A

0330 326002 2001-02-01 GETHING B

0330 326004 2004-10-01 GETHING D

0330 326005 2006-09-01 GETHING E

0330 326006 2008-06-01 GETHING F

0330 326007 2008-02-01 GETHING G

0330 326008 2010-04-01 GETHING H

0330 326009 2008-10-01 GETHING I

0330 326010 2008-10-01 GETHING J

0330 326011 2010-05-01 GETHING K

0330 326012 2010-07-01 GETHING L

0330 326013 2013-09-01 GETHING M

0330 524001 2012-05-01 MONTNEY A

0330 524007 2007-12-01 MONTNEY G

0330 524011 2009-02-01 MONTNEY K

0330 524016 2010-10-01 MONTNEY P

0330 524018 2017-05-01 MONTNEY R

0330 524019 2017-05-01 MONTNEY S

0330 524020 2014-11-01 MONTNEY T

**POOL DESIGNATION (cont'd)**

0330 524021 2014-12-01	MONTNEY U
0330 524022 2014-08-01	MONTNEY V
0330 524023 2015-08-01	MONTNEY W
0330 524024 2015-01-01	MONTNEY X
0330 524025 2015-07-01	MONTNEY Y
0330 556001 2007-07-01	BELLOY A
0330 556002 2010-04-01	BELLOY B
0330 556003 2009-12-01	BELLOY C
0330 556004 2013-05-01	BELLOY D
0330 612001 2010-04-01	DEBOLT A
0330 612002 2001-02-01	DEBOLT B
0330 612003 2010-04-01	DEBOLT C
0330 612004 2001-02-01	DEBOLT D
0330 744001 2001-02-01	BEAVERHILL LAKE A
0330 744002 2010-04-01	BEAVERHILL LAKE B
0330 744003 2002-07-01	BEAVERHILL LAKE C
0330 744004 2001-03-01	BEAVERHILL LAKE D
0330 744006 2003-09-01	BEAVERHILL LAKE F
0330 744008 2002-08-01	BEAVERHILL LAKE H
0330 744009 2010-04-01	BEAVERHILL LAKE I
0330 744010 2003-03-01	BEAVERHILL LAKE J
0330 744011 2003-09-01	BEAVERHILL LAKE K
0330 744012 2006-11-01	BEAVERHILL LAKE L
0330 744013 2008-03-01	BEAVERHILL LAKE M
0330 744014 2011-11-01	BEAVERHILL LAKE N
0330 744015 2012-02-01	BEAVERHILL LAKE O
0330 758001 2010-04-01	SLAVE POINT A
0330 758002 2002-09-01	SLAVE POINT B
0330 758003 2014-10-01	SLAVE POINT C
0330 758004 2003-08-01	SLAVE POINT D
0330 758006 2010-04-01	SLAVE POINT F
0330 758007 2010-06-01	SLAVE POINT G
0330 758008 2009-02-01	SLAVE POINT H

**POOL DESIGNATION (cont'd)**

0330 765501 2008-06-01	GILWOOD A
0330 765502 2008-06-01	GILWOOD B
0330 765503 2008-06-01	GILWOOD C
0330 765504 2008-06-01	GILWOOD D
0330 765505 2008-06-01	GILWOOD E
0330 765506 2008-06-01	GILWOOD F
0330 765507 2008-06-01	GILWOOD G
0330 765508 2008-06-01	GILWOOD H
0330 765509 2008-06-01	GILWOOD I
0330 765510 2010-04-01	GILWOOD J
0330 765511 2009-08-01	GILWOOD K
0330 765512 2009-08-01	GILWOOD L
0330 797501 2008-06-01	GRANITE WASH A
0330 797502 2008-06-01	GRANITE WASH B
0330 797503 2008-06-01	GRANITE WASH C
0330 797504 2011-12-01	GRANITE WASH D
0330 797505 2008-07-01	GRANITE WASH E
0330 797506 2008-08-01	GRANITE WASH F
0330 797507 2008-09-01	GRANITE WASH G
0330 797508 2008-10-01	GRANITE WASH H
0330 797509 2008-12-01	GRANITE WASH I
0330 797510 2009-02-01	GRANITE WASH J
0330 797511 2009-03-01	GRANITE WASH K
0330 797512 2009-09-01	GRANITE WASH L
0330 797513 2011-12-01	GRANITE WASH M
0330 797514 2013-03-01	GRANITE WASH N

**SPACING PATTERN**

SU 2758 8 May 1996  
SU 2758A 3 Mar 1997  
SU 2758B 22 Nov 2000  
SU 2758C 26 Feb 2001  
SU 2758D 4 Apr 2001  
SU 2758E 19 Oct 2001  
SU 2758F 16 Jul 2005  
SU 2758G 10 Feb 2006  
SU 2758H 30 Nov 2006  
SU 2758I 13 Mar 2007

**SUBSURFACE DISPOSAL SCHEMES**

App 11102H 12 Feb 2016  
Class II  
Long Run Exploration Ltd.  
  
App 12433A 23 Dec 2016  
Class II  
Drakkar Energy Ltd.

**MISCELLANEOUS ORDERS**

MISC 6211 5 Mar 1962  
Oil production allowables  
Colorado et al G'Ville  
16-17-77-22

**COMMINGLED PRODUCTION**

MU 8241 9 Dec 2011

**ENHANCED RECOVERY SCHEMES**

App 10203G 24 Jun 2015  
Waterflood  
Beaverhill Lake B  
Long Run Exploration Ltd.

App 12350A 12 Feb 2016  
Waterflood  
Long Run Exploration Ltd.

**FIELD DESIGNATION**

0399 2011-02-01 GLEICHEN FIELD

**POOL DESIGNATION**

0399 106001 2010-04-01 EDMONTON A

0399 118801 2011-10-01 LOWER EDMONTON A  
0399 118802 2014-05-01 LOWER EDMONTON B  
0399 118803 2014-08-01 LOWER EDMONTON C

0399 158002 2010-12-01 MILK RIVER B  
0399 158004 2009-11-01 MILK RIVER D  
0399 158008 2011-12-01 MILK RIVER H

0399 162002 2011-10-01 FIRST WHITE SPECKS B

0399 213001 2001-02-01 BOW ISLAND A

0399 218001 2001-04-01 VIKING A

0399 250001 2001-02-01 UPPER MANNVILLE A  
0399 250003 2001-02-01 UPPER MANNVILLE C  
0399 250004 2010-04-01 UPPER MANNVILLE D

0399 300013 2001-02-01 GLAUCONITIC M  
0399 300016 2012-02-01 GLAUCONITIC P

0399 310001 2001-02-01 LOWER MANNVILLE A  
0399 310003 2014-05-01 LOWER MANNVILLE C  
0399 310007 2004-05-01 LOWER MANNVILLE G  
0399 310009 2005-05-01 LOWER MANNVILLE I  
0399 310010 2006-01-01 LOWER MANNVILLE J  
0399 310011 2014-05-01 LOWER MANNVILLE K  
0399 310012 2012-04-01 LOWER MANNVILLE L  
0399 310013 2012-04-01 LOWER MANNVILLE M  
0399 310014 2013-03-01 LOWER MANNVILLE N

**POOL DESIGNATION (cont'd)**

0399 310015 2013-06-01	LOWER MANNVILLE O
0399 850100 2010-04-01	MFP8501 MILK RIVER
0399 850200 2011-02-01	MFP8502 MED HAT
0399 850600 2012-05-01	MFP8506 BELLY RIVER
0399 854300 2012-05-01	MFP8543 BSL BELLY RIV

**SPACING PATTERN**

SU 4107	15 Sep 2003
SU 4107A	10 Jun 2004
SU 4107B	17 Sep 2004
SU 4107C	9 Mar 2007
SU 4107D	6 Sep 2007



**FIELD DESIGNATION**

0418 2001-02-01 GLEN PARK FIELD

**POOL DESIGNATION**

0418 250001 2016-12-01 UPPER MANNVILLE A

0418 300001 2005-02-01 GLAUCONITIC A  
0418 300002 2001-02-01 GLAUCONITIC B  
0418 300003 2001-11-01 GLAUCONITIC C  
0418 300004 2014-03-01 GLAUCONITIC D  
0418 300005 2014-08-01 GLAUCONITIC E  
0418 300006 2014-08-01 GLAUCONITIC F  
0418 300007 2013-12-01 GLAUCONITIC G  
0418 300008 2015-02-01 GLAUCONITIC H  
0418 300009 2015-09-01 GLAUCONITIC I

0418 336001 2001-02-01 ELLERSLIE A  
0418 336002 2001-02-01 ELLERSLIE B  
0418 336003 2001-02-01 ELLERSLIE C  
0418 336004 2001-02-01 ELLERSLIE D  
0418 336005 2001-02-01 ELLERSLIE E  
0418 336006 2001-02-01 ELLERSLIE F  
0418 336007 2001-02-01 ELLERSLIE G  
0418 336008 2001-03-01 ELLERSLIE H  
0418 336009 2006-07-01 ELLERSLIE I  
0418 336010 2006-07-01 ELLERSLIE J  
0418 336011 2006-07-01 ELLERSLIE K

0418 696001 2005-08-01 D-2 A

0418 720001 2001-03-01 D-3 A  
0418 720002 2001-02-01 D-3 B

**SPACING PATTERN**

SU 2370 7 Dec 1995  
SU 2370A 7 Oct 2002  
SU 2370B 26 Feb 2003

**COMMINGLED PRODUCTION**

MU 5763 20 Jun 2006

**ENHANCED RECOVERY SCHEMES**

App 11948A 21 Nov 2014

Waterflood

Glauconic B

Vesta Energy Ltd.

App 12455 1 Oct 2015

Waterflood

Glauconic A

Vesta Energy Ltd.

**SUBSURFACE DISPOSAL SCHEMES**

App 4824C 28 Jan 2013

Class II

Clearbrook Resources Inc.

**FIELD DESIGNATION**

0416 2004-05-01                      GLENEVIS FIELD

**POOL DESIGNATION**

0416 126001 2011-01-01            BELLY RIVER A

0416 218001 2001-03-01            VIKING A

0416 218002 2001-03-01            VIKING B

0416 250001 2003-03-01            UPPER MANNVILLE A

0416 250002 2004-05-01            UPPER MANNVILLE B

0416 250003 2008-11-01            UPPER MANNVILLE C

0416 300001 2001-02-01            GLAUCONITIC A

0416 300002 2001-02-01            GLAUCONITIC B

0416 300003 2001-02-01            GLAUCONITIC C

0416 644000 2001-09-01            BANFF

0416 644003 2005-08-01            BANFF C

0416 644004 2003-07-01            BANFF D

0416 644005 2003-11-01            BANFF E

**SPACING PATTERN**

SU 2367            9 Nov 1995

SU 2367A          23 Apr 1998

SU 2367B          23 Aug 1999

SU 2367C          27 Jun 2000

SU 2367D          28 Aug 2000

**SUBSURFACE DISPOSAL SCHEMES**

App 11078B    27 Mar 2014

Class II

Journey Energy Inc.

**INDEX OF AER ORDERS AND APPROVALS**

**GLE**

**GLENWOOD AREA**

**1333**

**August 2017**

**Page 1 of 1**

---

**SPACING PATTERN**

SU 2368      23 Nov 1995

**FIELD DESIGNATION**

0434 2011-02-01                      GLOVER FIELD

**POOL DESIGNATION**

0434 262001 2001-02-01            GRAND RAPIDS A  
0434 262002 2001-02-01            GRAND RAPIDS B  
0434 262003 2001-02-01            GRAND RAPIDS C  
0434 262004 2010-11-01            GRAND RAPIDS D  
0434 262005 2001-02-01            GRAND RAPIDS E  
0434 262006 2001-02-01            GRAND RAPIDS F  
0434 262007 2001-02-01            GRAND RAPIDS G  
0434 262008 2001-02-01            GRAND RAPIDS H  
0434 262009 2001-03-01            GRAND RAPIDS I  
0434 262011 2011-02-01            GRAND RAPIDS K

0434 328001 2010-04-01            MCMURRAY A  
0434 328002 2010-04-01            MCMURRAY B

**FIELD DESIGNATION**

0435 2009-12-01            GODIN FIELD

**POOL DESIGNATION**

0435 280002 2010-04-01    CLEARWATER B  
0435 280005 2010-04-01    CLEARWATER E  
0435 280015 2005-04-01    CLEARWATER O

0435 306001 2001-02-01    WABISKAW A  
0435 306003 2003-09-01    WABISKAW C

0435 658001 2010-04-01    WABAMUN A  
0435 658002 2010-04-01    WABAMUN B  
0435 658004 2001-02-01    WABAMUN D

**SPACING PATTERN**

SU 4041        14 Jan 2003  
SU 4041A      27 Jan 2005

**SUBSURFACE DISPOSAL SCHEMES**

App 7952A    23 Mar 2009  
Class II  
Canadian Natural Resources Limited

**FIELD DESIGNATION**

0423 2001-02-01                      GOLDEN FIELD

**POOL DESIGNATION**

0423 758001 2010-04-01              SLAVE POINT A  
0423 758002 2001-02-01              SLAVE POINT B  
0423 758003 2001-02-01              SLAVE POINT C

0423 765501 2014-03-01              GILWOOD A

0423 797501 2008-06-01              GRANITE WASH A

**SPACING PATTERN**

SU 2667              29 Feb 1996  
SU 2667A             5 Jan 2001

**EXEMPTION FROM GAS  
MEASUREMENT**

GE 31                23 Jan 1985

**SUBSURFACE DISPOSAL SCHEMES**

App 8853C           16 Feb 2012  
Class II  
Harvest Operations Corp.

**FIELD DESIGNATION**

0421 2014-06-01 GOLDEN SPIKE FIELD

**POOL DESIGNATION**

0421 126001 2014-06-01 BELLY RIVER A  
0421 126002 2015-10-01 BELLY RIVER B  
0421 126003 2014-06-01 BELLY RIVER C  
0421 126004 2014-06-01 BELLY RIVER D

0421 134001 2014-06-01 BASAL BELLY RIVER A

0421 218001 2001-02-01 VIKING A  
0421 218002 2001-02-01 VIKING B  
0421 218003 2001-03-01 VIKING C  
0421 218004 2014-06-01 VIKING D  
0421 218005 2014-06-01 VIKING E

0421 244001 2004-05-01 BLAIRMORE A  
0421 244003 2010-04-01 BLAIRMORE C  
0421 244005 2010-04-01 BLAIRMORE E  
0421 244006 2001-02-01 BLAIRMORE F  
0421 244007 2001-02-01 BLAIRMORE G  
0421 244008 2001-02-01 BLAIRMORE H  
0421 244010 2001-02-01 BLAIRMORE J  
0421 244011 2002-09-01 BLAIRMORE K  
0421 244012 2001-02-01 BLAIRMORE L  
0421 244013 2003-08-01 BLAIRMORE M  
0421 244014 2001-02-01 BLAIRMORE N  
0421 244015 2001-02-01 BLAIRMORE O  
0421 244016 2004-02-01 BLAIRMORE P  
0421 244018 2001-02-01 BLAIRMORE R  
0421 244019 2001-02-01 BLAIRMORE S  
0421 244020 2001-02-01 BLAIRMORE T  
0421 244021 2002-10-01 BLAIRMORE U  
0421 244022 2001-02-01 BLAIRMORE V  
0421 244023 2001-02-01 BLAIRMORE W



**POOL DESIGNATION (cont'd)**

0421 244024 2001-03-01	BLAIRMORE X
0421 244025 2001-03-01	BLAIRMORE Y
0421 244026 2001-03-01	BLAIRMORE Z
0421 244027 2010-04-01	BLAIRMORE AA
0421 244028 2002-11-01	BLAIRMORE BB
0421 244029 2003-07-01	BLAIRMORE CC
0421 244030 2003-12-01	BLAIRMORE DD
0421 244031 2005-05-01	BLAIRMORE EE
0421 244032 2010-04-01	BLAIRMORE FF
0421 244033 2007-06-01	BLAIRMORE GG
0421 244034 2007-07-01	BLAIRMORE HH
0421 244035 2007-10-01	BLAIRMORE II
0421 244036 2007-07-01	BLAIRMORE JJ
0421 244037 2007-12-01	BLAIRMORE KK
0421 244038 2007-12-01	BLAIRMORE LL
0421 244039 2009-01-01	BLAIRMORE MM
0421 244040 2011-04-01	BLAIRMORE NN
0421 250001 2001-02-01	UPPER MANNVILLE A
0421 250002 2001-02-01	UPPER MANNVILLE B
0421 250003 2001-02-01	UPPER MANNVILLE C
0421 250004 2001-02-01	UPPER MANNVILLE D
0421 250005 2001-02-01	UPPER MANNVILLE E
0421 250006 2002-01-01	UPPER MANNVILLE F
0421 300001 2014-06-01	GLAUCONITIC A
0421 310001 2014-06-01	LOWER MANNVILLE A
0421 310002 2014-06-01	LOWER MANNVILLE B
0421 310003 2014-06-01	LOWER MANNVILLE C
0421 310004 2014-06-01	LOWER MANNVILLE D
0421 310005 2014-06-01	LOWER MANNVILLE E
0421 310006 2014-06-01	LOWER MANNVILLE F
0421 310007 2014-06-01	LOWER MANNVILLE G
0421 310008 2014-06-01	LOWER MANNVILLE H
0421 310009 2014-06-01	LOWER MANNVILLE I
0421 310010 2014-06-01	LOWER MANNVILLE J
0421 310011 2014-06-01	LOWER MANNVILLE K

**POOL DESIGNATION (cont'd)**

0421 310012 2014-06-01	LOWER MANNVILLE L
0421 310013 2014-07-01	LOWER MANNVILLE M
0421 310014 2014-06-01	LOWER MANNVILLE N
0421 310015 2014-06-01	LOWER MANNVILLE O
0421 310016 2014-06-01	LOWER MANNVILLE P
0421 658001 2001-02-01	D-1 A
0421 658002 2010-04-01	D-1 B
0421 658003 2001-02-01	D-1 C
0421 658004 2001-02-01	D-1 D
0421 658005 2009-03-01	D-1 E
0421 658006 2002-09-01	D-1 F
0421 658007 2008-02-01	D-1 G
0421 658008 2009-09-01	D-1 H
0421 658009 2010-12-01	D-1 I
0421 658010 2014-06-01	D-1 J
0421 658011 2014-06-01	D-1 K
0421 658012 2014-06-01	D-1 L
0421 696001 2001-09-01	D-2 A
0421 696002 2001-02-01	D-2 B
0421 696003 2014-06-01	D-2 C
0421 720001 2010-04-01	D-3 A
0421 720002 2010-04-01	D-3 B
0421 720003 2001-02-01	D-3 C
0421 720004 2014-06-01	D-3 D
0421 720005 2014-06-01	D-3 E

**SPACING PATTERN**

SU 2372	9 Nov 1995
SU 2372A	18 Apr 1996
SU 2372B	11 Feb 1998
SU 2372C	4 Nov 1998
SU 2372D	28 Nov 2002

**COMMINGLED PRODUCTION**

MU 8656	10 Jul 2014
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**SUBSURFACE DISPOSAL SCHEMES**

App 8493B	24 Jul 2014
Class III Acid Gas	
ATCO Midstream Ltd.	

**SUBSURFACE DISPOSAL SCHEMES**

**(cont'd)**

App 10053 8 Nov 2004  
Class Ib  
Imperial Oil Resources Limited

App 11121A 8 Jul 2014  
Class II  
Penn West Petroleum Ltd.

**FIELD DESIGNATION**

1093 2003-09-01                      GOODFISH FIELD

**POOL DESIGNATION**

1093 304001 2010-04-01            BLUESKY A  
1093 304003 2001-09-01            BLUESKY C  
1093 304004 2003-09-01            BLUESKY D  
1093 304005 2010-04-01            BLUESKY E  
1093 304006 2003-06-01            BLUESKY F  
1093 304007 2007-06-01            BLUESKY G  
1093 304008 2003-09-01            BLUESKY H  
1093 304009 2005-11-01            BLUESKY I

1093 658001 2010-04-01            WABAMUN A

1093 797501 2008-06-01            GRANITE WASH A

**SPACING PATTERN**

SU 3070            22 Nov 2001

**COMMINGLED PRODUCTION**

MU 1291            1 Mar 1996

**FIELD DESIGNATION**

0389 2009-12-01 GOODLOW FIELD

**POOL DESIGNATION**

0389 262001 2002-11-01 GRAND RAPIDS A  
0389 262004 2010-04-01 GRAND RAPIDS D  
0389 262005 2005-04-01 GRAND RAPIDS E

0389 280001 2011-10-01 CLEARWATER A  
0389 280004 2010-04-01 CLEARWATER D  
0389 280005 2010-04-01 CLEARWATER E  
0389 280007 2005-04-01 CLEARWATER G  
0389 280020 2004-07-01 CLEARWATER T  
0389 280044 2010-04-01 CLEARWATER RR  
0389 280045 2013-01-01 CLEARWATER SS  
0389 280046 2013-01-01 CLEARWATER TT

0389 306001 2017-05-01 WABISKAW A  
0389 306002 2001-02-01 WABISKAW B  
0389 306004 2002-07-01 WABISKAW D  
0389 306005 2001-02-01 WABISKAW E  
0389 306006 2015-09-01 WABISKAW F  
0389 306007 2010-04-01 WABISKAW G  
0389 306008 2003-03-01 WABISKAW H  
0389 306009 2003-02-01 WABISKAW I  
0389 306011 2009-07-01 WABISKAW K  
0389 306012 2005-11-01 WABISKAW L  
0389 306013 2006-03-01 WABISKAW M

0389 328001 2001-03-01 MCMURRAY A  
0389 328002 2002-04-01 MCMURRAY B  
0389 328003 2005-06-01 MCMURRAY C

0389 350001 2004-06-01 DETRITAL A

0389 350101 2001-02-01 DETRITAL-WABAMUN A

**POOL DESIGNATION (cont'd)**

0389 658001	2001-02-01	WABAMUN A
0389 658002	2001-02-01	WABAMUN B
0389 658003	2001-02-01	WABAMUN C
0389 658004	2001-11-01	WABAMUN D
0389 658005	2010-04-01	WABAMUN E
0389 658006	2010-12-01	WABAMUN F
0389 658007	2002-08-01	WABAMUN G
0389 658008	2012-07-01	WABAMUN H
0389 658009	2009-11-01	WABAMUN I
0389 658011	2005-04-01	WABAMUN K
0389 658012	2005-04-01	WABAMUN L
0389 658013	2005-04-01	WABAMUN M
0389 658015	2006-03-01	WABAMUN O
0389 658016	2007-07-01	WABAMUN P
0389 658017	2010-04-01	WABAMUN Q
0389 658018	2010-12-01	WABAMUN R
0389 658019	2013-10-01	WABAMUN S

**SPACING PATTERN**

SU 2378	1 Nov 1995
SU 2378A	15 Jan 1997
SU 2378B	5 Nov 2004
SU 2378C	27 Jan 2005

**COMMINGLED PRODUCTION**

MU 6503	8 Mar 2007
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**FIELD DESIGNATION**

0422 2008-03-01                      GOODWIN FIELD

**POOL DESIGNATION**

0422 106001 2010-02-01            EDMONTON A

0422 218001 2011-12-01            VIKING A

0422 250001 2006-03-01            UPPER MANNVILLE A  
0422 250002 2002-10-01            UPPER MANNVILLE B  
0422 250003 2003-02-01            UPPER MANNVILLE C  
0422 250004 2008-02-01            UPPER MANNVILLE D  
0422 250005 2006-05-01            UPPER MANNVILLE E  
0422 250006 2006-12-01            UPPER MANNVILLE F  
0422 250007 2009-02-01            UPPER MANNVILLE G  
0422 250008 2010-01-01            UPPER MANNVILLE H

0422 334001 2001-02-01            BASAL QUARTZ A  
0422 334002 2001-02-01            BASAL QUARTZ B  
0422 334003 2001-02-01            BASAL QUARTZ C  
0422 334004 2002-10-01            BASAL QUARTZ D  
0422 334005 2005-07-01            BASAL QUARTZ E  
0422 334006 2001-03-01            BASAL QUARTZ F  
0422 334007 2002-04-01            BASAL QUARTZ G  
0422 334009 2009-05-01            BASAL QUARTZ I  
0422 334010 2005-09-01            BASAL QUARTZ J  
0422 334011 2010-04-01            BASAL QUARTZ K  
0422 334012 2013-09-01            BASAL QUARTZ L  
0422 334013 2013-09-01            BASAL QUARTZ M  
0422 334014 2014-04-01            BASAL QUARTZ N

0422 446001 2001-09-01            JURASSIC A  
0422 446002 2003-10-01            JURASSIC B

**SPACING PATTERN**

SU 4132            13 Nov 2003

**COMMINGLED PRODUCTION**

MU 4347            28 Apr 2005

**FIELD DESIGNATION**

0425 2004-05-01                      GOOSE RIVER FIELD

**POOL DESIGNATION**

0425 192001 2004-11-01          DUNVEGAN A

0425 192002 2010-01-01          DUNVEGAN B

0425 218001 2010-04-01          VIKING A

0425 218002 2010-04-01          VIKING B

0425 696001 2001-02-01          D-2 A

0425 744001 2010-04-01          BEAVERHILL LAKE A

0425 744002 2001-02-01          BEAVERHILL LAKE B

**SPACING PATTERN**

SU 2373            2 Nov 1995

**ENHANCED RECOVERY SCHEMES**

App 8433K    7 Aug 2014  
Chemical  
Beaverhill Lake A  
Pengrowth Energy Corporation

**COMPULSORY POOLING**

P 349            15 Apr 2008  
Gas  
08-067-18W5M  
Pengrowth Corporation

**ENHANCED RECOVERY SCHEMES &  
CONCURRENT PRODUCTION**

App 12290    7 Aug 2014  
Waterflood  
Beaverhill Lake A  
Pengrowth Energy Corporation



**FIELD DESIGNATION**

0428 2017-06-01 GORDONDALE FIELD

**POOL DESIGNATION**

0428 190001 2005-11-01 DOE CREEK A

0428 190002 2011-10-01 DOE CREEK B

0428 192001 2006-04-01 DUNVEGAN A

0428 192002 2011-10-01 DUNVEGAN B

0428 192003 2006-11-01 DUNVEGAN C

0428 192004 2007-07-01 DUNVEGAN D

0428 192005 2007-07-01 DUNVEGAN E

0428 192006 2009-06-01 DUNVEGAN F

0428 192007 2007-07-01 DUNVEGAN G

0428 192008 2007-07-01 DUNVEGAN H

0428 192009 2009-03-01 DUNVEGAN I

0428 192010 2007-12-01 DUNVEGAN J

0428 192011 2010-01-01 DUNVEGAN K

0428 228000 2010-04-01 PEACE RIVER

0428 228002 2001-02-01 PEACE RIVER B

0428 228003 2001-02-01 PEACE RIVER C

0428 228004 2001-03-01 PEACE RIVER D

0428 266000 2001-02-01 NOTIKEWIN

0428 266002 2001-02-01 NOTIKEWIN B

0428 266003 2001-02-01 NOTIKEWIN C

0428 266004 2003-09-01 NOTIKEWIN D

0428 266005 2006-06-01 NOTIKEWIN E

0428 266006 2001-02-01 NOTIKEWIN F

0428 266007 2008-11-01 NOTIKEWIN G

0428 266008 2006-05-01 NOTIKEWIN H

0428 266009 2004-02-01 NOTIKEWIN I

0428 266010 2004-10-01 NOTIKEWIN J

0428 304001 2004-01-01 BLUESKY A

**POOL DESIGNATION (cont'd)**

0428 304003 2004-03-01	BLUESKY C
0428 326002 2001-02-01	GETHING B
0428 326003 2003-02-01	GETHING C
0428 326004 2008-04-01	GETHING D
0428 326005 2007-06-01	GETHING E
0428 326006 2001-02-01	GETHING F
0428 326007 2010-04-01	GETHING G
0428 326008 2001-02-01	GETHING H
0428 326009 2001-02-01	GETHING I
0428 326010 2005-04-01	GETHING J
0428 326011 2001-03-01	GETHING K
0428 326012 2001-03-01	GETHING L
0428 326013 2001-03-01	GETHING M
0428 326014 2001-06-01	GETHING N
0428 326015 2003-03-01	GETHING O
0428 326017 2004-03-01	GETHING Q
0428 326018 2004-05-01	GETHING R
0428 326019 2004-12-01	GETHING S
0428 326020 2006-02-01	GETHING T
0428 326021 2009-08-01	GETHING U
0428 326022 2005-01-01	GETHING V
0428 326023 2005-11-01	GETHING W
0428 326024 2007-07-01	GETHING X
0428 326025 2007-07-01	GETHING Y
0428 326026 2007-07-01	GETHING Z
0428 326027 2008-05-01	GETHING AA
0428 326028 2008-05-01	GETHING BB
0428 326029 2008-11-01	GETHING CC
0428 326030 2010-04-01	GETHING DD
0428 326031 2010-05-01	GETHING EE
0428 326032 2010-12-01	GETHING FF
0428 348001 2005-10-01	CADOMIN A
0428 348002 2005-10-01	CADOMIN B
0428 348003 2001-02-01	CADOMIN C
0428 348004 2005-08-01	CADOMIN D
0428 348005 2001-02-01	CADOMIN E

**POOL DESIGNATION (cont'd)**

0428 348006 2001-02-01	CADOMIN F
0428 348007 2004-11-01	CADOMIN G
0428 348008 2005-09-01	CADOMIN H
0428 348009 2007-02-01	CADOMIN I
0428 348010 2007-07-01	CADOMIN J
0428 348011 2007-12-01	CADOMIN K
0428 444001 2001-03-01	NORDEGG A
0428 506001 2004-03-01	BALDONNEL A
0428 506002 2002-05-01	BALDONNEL B
0428 506003 2003-09-01	BALDONNEL C
0428 506004 2004-08-01	BALDONNEL D
0428 506005 2009-08-01	BALDONNEL E
0428 506006 2017-02-01	BALDONNEL F
0428 506007 2017-08-01	BALDONNEL G
0428 508001 2001-09-01	CHARLIE LAKE A
0428 508002 2004-04-01	CHARLIE LAKE B
0428 508003 2011-02-01	CHARLIE LAKE C
0428 508004 2001-02-01	CHARLIE LAKE D
0428 508005 2007-06-01	CHARLIE LAKE E
0428 508006 2001-03-01	CHARLIE LAKE F
0428 508007 2001-03-01	CHARLIE LAKE G
0428 508008 2001-03-01	CHARLIE LAKE H
0428 508009 2004-10-01	CHARLIE LAKE I
0428 508010 2006-05-01	CHARLIE LAKE J
0428 508011 2006-03-01	CHARLIE LAKE K
0428 508012 2006-05-01	CHARLIE LAKE L
0428 508013 2007-03-01	CHARLIE LAKE M
0428 508014 2014-04-01	CHARLIE LAKE N
0428 508015 2008-02-01	CHARLIE LAKE O
0428 508016 2007-08-01	CHARLIE LAKE P
0428 508017 2010-06-01	CHARLIE LAKE Q
0428 516002 2010-04-01	HALFWAY B
0428 516003 2010-04-01	HALFWAY C
0428 516009 2010-04-01	HALFWAY I

**POOL DESIGNATION (cont'd)**

0428 516011	2010-04-01	HALFWAY K
0428 516014	2001-02-01	HALFWAY N
0428 516015	2001-03-01	HALFWAY O
0428 516016	2001-02-01	HALFWAY P
0428 516017	2001-02-01	HALFWAY Q
0428 516018	2001-03-01	HALFWAY R
0428 516020	2008-02-01	HALFWAY T
0428 516021	2002-04-01	HALFWAY U
0428 516022	2003-03-01	HALFWAY V
0428 516023	2002-12-01	HALFWAY W
0428 516024	2003-07-01	HALFWAY X
0428 516026	2003-11-01	HALFWAY Z
0428 516027	2004-01-01	HALFWAY AA
0428 516028	2004-12-01	HALFWAY BB
0428 516030	2004-10-01	HALFWAY DD
0428 516031	2006-06-01	HALFWAY EE
0428 516033	2008-02-01	HALFWAY GG
0428 516034	2010-12-01	HALFWAY HH
0428 520001	2010-05-01	DOIG A
0428 520002	2001-02-01	DOIG B
0428 520003	2015-04-01	DOIG C
0428 520004	2001-02-01	DOIG D
0428 520005	2001-02-01	DOIG E
0428 520006	2012-03-01	DOIG F
0428 520007	2001-03-01	DOIG G
0428 520008	2009-06-01	DOIG H
0428 520009	2003-08-01	DOIG I
0428 520010	2013-01-01	DOIG J
0428 520011	2014-01-01	DOIG K
0428 524004	2003-09-01	MONTNEY D
0428 524006	2001-03-01	MONTNEY F
0428 524008	2014-02-01	MONTNEY H
0428 524009	2007-07-01	MONTNEY I
0428 524010	2010-02-01	MONTNEY J
0428 524011	2010-02-01	MONTNEY K
0428 524013	2014-09-01	MONTNEY M

**POOL DESIGNATION (cont'd)**

0428 524014 2013-12-01	MONTNEY N
0428 556001 2006-06-01	BELLOY A
0428 605001 2010-04-01	TAYLOR FLAT A
0428 605002 2001-02-01	TAYLOR FLAT B
0428 606001 2001-02-01	KISKATINAW A
0428 606002 2010-04-01	KISKATINAW B
0428 606003 2001-02-01	KISKATINAW C
0428 606004 2010-04-01	KISKATINAW D
0428 606005 2001-02-01	KISKATINAW E
0428 606006 2001-02-01	KISKATINAW F
0428 606007 2001-02-01	KISKATINAW G
0428 606008 2001-03-01	KISKATINAW H
0428 606009 2003-04-01	KISKATINAW I
0428 606010 2003-12-01	KISKATINAW J
0428 606011 2004-10-01	KISKATINAW K
0428 606012 2009-02-01	KISKATINAW L
0428 606013 2008-02-01	KISKATINAW M
0428 606014 2008-02-01	KISKATINAW N
0428 606015 2009-05-01	KISKATINAW O
0428 606016 2009-09-01	KISKATINAW P
0428 606017 2016-05-01	KISKATINAW Q
0428 658001 2002-02-01	WABAMUN A
0428 658002 2002-08-01	WABAMUN B
0428 658003 2002-12-01	WABAMUN C
0428 658004 2002-09-01	WABAMUN D
0428 658005 2003-02-01	WABAMUN E
0428 658006 2003-03-01	WABAMUN F
0428 658007 2008-03-01	WABAMUN G

**SPACING PATTERN**

SU 4146 22 Jan 2004  
SU 4146A 16 Jul 2004  
SU 4146B 12 Mar 2005  
SU 4146C 5 Jul 2005  
SU 4146D 2 Sep 2005  
SU 4146E 20 Jan 2006  
SU 4146F 30 Apr 2007  
SU 4146G 12 Oct 2007

**COMMINGLED PRODUCTION**

MU 8555 12 Dec 2013

**ENHANCED RECOVERY SCHEMES**

App 9137B 28 Jan 2014  
Waterflood  
Halfway I  
Canadian Natural Resources Limited

**SUBSURFACE DISPOSAL SCHEMES**

App 8666B 14 Jan 2014  
Class III Acid Gas  
Spectra Energy Midstream Corporation

App 9295F 27 Mar 2014  
Class II  
Ceiba Energy Services Inc.

App 9841 22 Apr 2004  
Class II  
EnCana Corporation

App 10152A 27 Nov 2012  
Class Ib  
Newalta Corporation

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

App 11316A 19 Feb 2015  
Class Ib  
Four Winds Energy Services Ltd.

App 11859 3 Jul 2012  
Class Ib  
Newalta Corporation

App 12404A 17 Aug 2015  
Class II and Ib  
Ceiba Energy Services Inc.

App 12432 7 Aug 2015  
Class II  
Canadian Natural Resources Limited

**FIELD DESIGNATION**

0417 2001-02-01                      GRAHAM FIELD

**POOL DESIGNATION**

0417 280001 2001-02-01            CLEARWATER A  
0417 280002 2001-03-01            CLEARWATER B  
0417 280003 2001-03-01            CLEARWATER C

0417 306001 2001-02-01            WABISKAW A  
0417 306002 2001-03-01            WABISKAW B  
0417 306003 2010-01-01            WABISKAW C  
0417 306004 2010-01-01            WABISKAW D  
0417 306005 2010-01-01            WABISKAW E

0417 328001 2001-03-01            MCMURRAY A  
0417 328002 2010-04-01            MCMURRAY B  
0417 328005 2001-02-01            MCMURRAY E  
0417 328006 2001-02-01            MCMURRAY F  
0417 328007 2001-02-01            MCMURRAY G  
0417 328008 2001-02-01            MCMURRAY H  
0417 328009 2001-02-01            MCMURRAY I  
0417 328010 2001-02-01            MCMURRAY J  
0417 328011 2010-01-01            MCMURRAY K  
0417 328012 2003-08-01            MCMURRAY L  
0417 328013 2008-09-01            MCMURRAY M

**SPACING PATTERN**

SU 2672            7 Mar 1996  
SU 2672A          23 Feb 2007

**COMMINGLED PRODUCTION**

MU 2107          12 Oct 2000

**FIELD DESIGNATION**

0400 2008-11-01 GRAINDALE FIELD

**POOL DESIGNATION**

0400 134001 2005-06-01 BASAL BELLY RIVER A

0400 218001 2010-04-01 VIKING A

0400 218003 2001-02-01 VIKING C

0400 218004 2006-08-01 VIKING D

0400 218005 2007-05-01 VIKING E

0400 218006 2007-07-01 VIKING F

0400 250001 2001-09-01 UPPER MANNVILLE A

0400 250002 2003-08-01 UPPER MANNVILLE B

0400 250003 2009-04-01 UPPER MANNVILLE C

0400 250004 2009-04-01 UPPER MANNVILLE D

0400 250005 2009-04-01 UPPER MANNVILLE E

0400 250006 2009-04-01 UPPER MANNVILLE F

0400 250007 2014-02-01 UPPER MANNVILLE G

0400 310001 2001-02-01 LOWER MANNVILLE A

0400 310003 2001-02-01 LOWER MANNVILLE C

0400 310004 2001-02-01 LOWER MANNVILLE D

0400 310005 2001-02-01 LOWER MANNVILLE E

0400 310006 2001-02-01 LOWER MANNVILLE F

0400 310007 2003-01-01 LOWER MANNVILLE G

0400 310008 2004-03-01 LOWER MANNVILLE H

0400 310011 2008-12-01 LOWER MANNVILLE K

**SPACING PATTERN**

SU 2673 28 Mar 1996

**SUBSURFACE DISPOSAL SCHEMES**

App 9855A 7 Nov 2011

Class II

Penn West Petroleum Ltd.



**FIELD DESIGNATION**

0430 2015-12-01 GRAND FORKS FIELD

**POOL DESIGNATION**

0430 160001 2009-03-01 COLORADO A

0430 164001 2009-03-01 MEDICINE HAT A  
0430 164002 2009-03-01 MEDICINE HAT B

0430 186001 2010-12-01 SECOND WHITE SPECKS A

0430 213001 2011-09-01 BOW ISLAND A  
0430 213002 2001-02-01 BOW ISLAND B  
0430 213003 2014-02-01 BOW ISLAND C

0430 250002 2010-04-01 UPPER MANNVILLE B  
0430 250005 2001-02-01 UPPER MANNVILLE E  
0430 250007 2001-02-01 UPPER MANNVILLE G  
0430 250009 2001-02-01 UPPER MANNVILLE I  
0430 250011 2011-09-01 UPPER MANNVILLE K  
0430 250013 2005-10-01 UPPER MANNVILLE M  
0430 250015 2015-12-01 UPPER MANNVILLE O  
0430 250016 2012-11-01 UPPER MANNVILLE P  
0430 250017 2015-12-01 UPPER MANNVILLE Q

0430 310013 2010-04-01 LOWER MANNVILLE M  
0430 310022 2001-09-01 LOWER MANNVILLE V  
0430 310025 2001-02-01 LOWER MANNVILLE Y  
0430 310029 2001-02-01 LOWER MANNVILLE CC  
0430 310031 2001-02-01 LOWER MANNVILLE EE  
0430 310043 2001-02-01 LOWER MANNVILLE QQ  
0430 310044 2001-02-01 LOWER MANNVILLE RR  
0430 310045 2001-02-01 LOWER MANNVILLE SS  
0430 310046 2011-07-01 LOWER MANNVILLE TT  
0430 310047 2001-02-01 LOWER MANNVILLE UU  
0430 310048 2001-02-01 LOWER MANNVILLE VV

**POOL DESIGNATION (cont'd)**

0430 310049 2001-02-01	LOWER MANNVILLE WW
0430 310050 2001-02-01	LOWER MANNVILLE XX
0430 310051 2002-03-01	LOWER MANNVILLE YY
0430 310052 2006-04-01	LOWER MANNVILLE ZZ
0430 310101 2006-03-01	LOWER MANNVILLE AAA
0430 310102 2007-04-01	LOWER MANNVILLE BBB
0430 310103 2009-02-01	LOWER MANNVILLE CCC
0430 428001 2001-02-01	SAWTOOTH A
0430 428003 2003-03-01	SAWTOOTH C
0430 428004 2001-02-01	SAWTOOTH D
0430 428006 2001-02-01	SAWTOOTH F
0430 428007 2001-02-01	SAWTOOTH G
0430 428009 2010-04-01	SAWTOOTH I
0430 428010 2001-02-01	SAWTOOTH J
0430 428011 2001-02-01	SAWTOOTH K
0430 428012 2011-09-01	SAWTOOTH L
0430 428014 2001-02-01	SAWTOOTH N
0430 428015 2011-09-01	SAWTOOTH O
0430 428017 2001-02-01	SAWTOOTH Q
0430 428020 2011-09-01	SAWTOOTH T
0430 428021 2001-02-01	SAWTOOTH U
0430 428023 2003-04-01	SAWTOOTH W
0430 428024 2001-02-01	SAWTOOTH X
0430 428025 2001-02-01	SAWTOOTH Y
0430 428027 2001-02-01	SAWTOOTH AA
0430 428031 2001-02-01	SAWTOOTH EE
0430 428035 2001-02-01	SAWTOOTH II
0430 428036 2001-02-01	SAWTOOTH JJ
0430 428037 2001-02-01	SAWTOOTH KK
0430 428039 2011-09-01	SAWTOOTH MM
0430 428040 2011-05-01	SAWTOOTH NN
0430 428041 2010-04-01	SAWTOOTH OO
0430 428042 2001-02-01	SAWTOOTH PP
0430 428044 2001-02-01	SAWTOOTH RR
0430 428045 2001-09-01	SAWTOOTH SS
0430 428048 2001-09-01	SAWTOOTH VV
0430 428049 2001-02-01	SAWTOOTH WW

**POOL DESIGNATION (cont'd)**

0430 428050 2001-02-01	SAWTOOTH XX
0430 428052 2001-02-01	SAWTOOTH ZZ
0430 428101 2001-02-01	SAWTOOTH AAA
0430 428102 2001-02-01	SAWTOOTH BBB
0430 428103 2001-02-01	SAWTOOTH CCC
0430 428104 2001-02-01	SAWTOOTH DDD
0430 428105 2001-02-01	SAWTOOTH EEE
0430 428106 2001-02-01	SAWTOOTH FFF
0430 428108 2010-04-01	SAWTOOTH HHH
0430 428109 2001-02-01	SAWTOOTH III
0430 428112 2001-02-01	SAWTOOTH LLL
0430 428113 2001-02-01	SAWTOOTH MMM
0430 428114 2001-02-01	SAWTOOTH NNN
0430 428116 2001-09-01	SAWTOOTH PPP
0430 428117 2001-09-01	SAWTOOTH QQQ
0430 428118 2001-02-01	SAWTOOTH RRR
0430 428120 2001-02-01	SAWTOOTH TTT
0430 428121 2001-02-01	SAWTOOTH UUU
0430 428122 2001-02-01	SAWTOOTH VVV
0430 428123 2001-02-01	SAWTOOTH WWW
0430 428126 2001-02-01	SAWTOOTH ZZZ
0430 428127 2001-02-01	SAWTOOTH A2A
0430 428128 2001-02-01	SAWTOOTH B2B
0430 428129 2001-09-01	SAWTOOTH C2C
0430 428130 2010-04-01	SAWTOOTH D2D
0430 428131 2001-02-01	SAWTOOTH E2E
0430 428132 2001-02-01	SAWTOOTH F2F
0430 428133 2001-02-01	SAWTOOTH G2G
0430 428134 2001-02-01	SAWTOOTH H2H
0430 428135 2010-04-01	SAWTOOTH I2I
0430 428136 2001-02-01	SAWTOOTH J2J
0430 428137 2001-09-01	SAWTOOTH K2K
0430 428138 2001-02-01	SAWTOOTH L2L
0430 428139 2001-02-01	SAWTOOTH M2M
0430 428140 2001-02-01	SAWTOOTH N2N
0430 428141 2001-02-01	SAWTOOTH O2O
0430 428142 2001-02-01	SAWTOOTH P2P
0430 428143 2010-04-01	SAWTOOTH Q2Q

**POOL DESIGNATION (cont'd)**

0430 428144	2001-02-01	SAWTOOTH R2R
0430 428147	2001-02-01	SAWTOOTH U2U
0430 428148	2001-02-01	SAWTOOTH V2V
0430 428149	2001-02-01	SAWTOOTH W2W
0430 428150	2001-02-01	SAWTOOTH X2X
0430 428151	2001-02-01	SAWTOOTH Y2Y
0430 428152	2013-09-01	SAWTOOTH Z2Z
0430 428301	2002-03-01	SAWTOOTH A3A
0430 428302	2003-11-01	SAWTOOTH B3B
0430 428303	2011-05-01	SAWTOOTH C3C
0430 694001	2010-04-01	ARCS A
0430 694002	2010-04-01	ARCS B
0430 694003	2001-02-01	ARCS C
0430 694004	2001-02-01	ARCS D
0430 694005	2001-02-01	ARCS E
0430 694006	2001-02-01	ARCS F
0430 694007	2001-02-01	ARCS G
0430 694008	2001-04-01	ARCS H
0430 694009	2001-11-01	ARCS I
0430 694010	2002-02-01	ARCS J
0430 694011	2003-02-01	ARCS K
0430 694012	2011-04-01	ARCS L
0430 694013	2010-01-01	ARCS M
0430 694014	2010-02-01	ARCS N
0430 694015	2011-05-01	ARCS O
0430 694016	2011-05-01	ARCS P
0430 694017	2011-05-01	ARCS Q
0430 694018	2015-12-01	ARCS R
0430 694019	2015-12-01	ARCS S
0430 694020	2015-12-01	ARCS T
0430 696001	2001-02-01	D-2 A
0430 696002	2010-06-01	D-2 B
0430 853200	2011-09-01	MFP8532 2WS

**SPACING PATTERN**

SU 3050 19 Oct 2001  
 SU 3050A 2 Nov 2001  
 SU 3050B 1 Mar 2002  
 SU 3050C 23 Oct 2002  
 SU 3050D 13 Feb 2003  
 SU 3050E 7 Apr 2004  
 SU 3050F 20 May 2004  
 SU 3050G 31 May 2005  
 SU 3050H 5 Sep 2006

**COMMINGLED PRODUCTION**

MU 8769 8 Dec 2015

**EXEMPTION FROM GAS MEASUREMENT**

GE 17 25 Nov 1970  
 GE 17A 28 Nov 1972  
 GE 17B 3 Dec 1976  
 Lower Mannville E  
  
 GE 21 2 Aug 1977  
 GE 21A 9 Oct 1978  
 Lower Mannville K  
  
 GE 22 31 May 1978  
 Lower Mannville G  
  
 GE 24 20 Sep 1979  
 Upper Mannville B

**ENHANCED RECOVERY SCHEMES**

App 4643L 9 Sep 2015  
 Waterflood  
 Lower Mannville K and V  
 Canadian Natural Resources Limited

App 8191E 15 Sep 2016  
 Waterflood  
 Upper Mannville I  
 Chinook Energy Inc.

App 10173C 28 Oct 2014  
 Waterflood  
 Sawtooth MM  
 Canadian Natural Resources Limited

App 10210I 6 Feb 2015  
 Waterflood  
 Sawtooth OO  
 Canadian Natural Resources Limited

App 10207D 30 Jan 2015  
 Waterflood  
 Sawtooth WW  
 Canadian Natural Resources Limited

App 10220E 4 May 2015  
 Waterflood  
 Sawtooth NN  
 Canadian Natural Resources Limited

App 10225C 4 May 2015  
 Waterflood  
 Sawtooth C3C  
 Canadian Natural Resources Limited

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

App 10244D 23 Jun 2015  
Waterflood  
Upper Mannville B  
Canadian Natural Resources Limited

App 10245I 16 Dec 2016  
Chemical  
Upper Mannville K  
Canadian Natural Resources Limited

App 11289C 8 May 2017  
Waterflood  
Sawtooth W2W  
Canadian Natural Resources Limited

App 11301B 8 May 2017  
Waterflood  
Sawtooth N  
Canadian Natural Resources Limited

App 11336B 8 May 2017  
Waterflood  
Sawtooth DDD  
Canadian Natural Resources Limited

App 11468B 21 Nov 2014  
Waterflood  
Sawtooth SS  
Canadian Natural Resources Limited

App 11595B 16 Oct 2014  
Waterflood  
Sawtooth V2V  
Canadian Natural Resources Limited

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

App 12273C 11 Aug 2016  
Waterflood  
Upper Manville L  
Canadian Natural Resources Limited

**SUBSURFACE DISPOSAL SCHEMES**

App 9373C 6 Feb 2017  
Class II  
Manitok Energy Inc.

App 6816D 6 Sep 2012  
Class II  
Zargon Oil & Gas Ltd.

App 7886 6 Feb 1996  
App 7886D 3 Apr 2017  
Class II  
New North Resources Ltd.

App 9236A 1 Nov 2012  
Class II  
TAQA North Ltd.

App 9373A 27 Mar 2012  
Class II  
Chinook Energy Inc.

App 9412E 1 Aug 2014  
Class II  
Canadian Oil & Gas International Inc.

App 9846D 16 Jul 2014  
Class II  
Ascensun Oil and Gas Ltd.

**SUBSURFACE DISPOSAL SCHEMES**

**(cont'd)**

App 10131C 1 Aug 2014  
Class II  
Canadian Oil & Gas International Inc.

App 10225L 23 Sep 2016  
Class II  
Canadian Natural Resources Limited

App 11610A 6 Jan 2012  
Class II  
Canadian Coyote Energy Ltd.

App 11950B 15 Aug 2016  
Class II  
SanLing Energy Ltd.

**FIELD DESIGNATION**

1096 2010-03-01 GRANDE CACHE FIELD

**POOL DESIGNATION**

1096 166001 2004-07-01 BADHEART A

1096 192001 2010-04-01 DUNVEGAN A

1096 192002 2010-04-01 DUNVEGAN B

1096 192004 2008-04-01 DUNVEGAN D

1096 192005 2014-01-01 DUNVEGAN E

1096 192006 2007-07-01 DUNVEGAN F

1096 192008 2009-03-01 DUNVEGAN H

1096 192009 2009-03-01 DUNVEGAN I

1096 192014 2010-04-01 DUNVEGAN N

1096 192015 2011-12-01 DUNVEGAN O

1096 232001 2010-04-01 CADOTTE A

1096 232009 2010-04-01 CADOTTE I

1096 232010 2011-12-01 CADOTTE J

1096 232015 2010-04-01 CADOTTE O

1096 232016 2010-04-01 CADOTTE P

1096 232017 2011-02-01 CADOTTE Q

1096 264001 2010-04-01 SPIRIT RIVER A

1096 264002 2010-03-01 SPIRIT RIVER B

1096 264003 2011-12-01 SPIRIT RIVER C

1096 305001 2010-04-01 BLUESKY-GETHING A

1096 305002 2002-12-01 BLUESKY-GETHING B

1096 326001 2010-07-01 GETHING A

1096 326002 2002-01-01 GETHING B

1096 326003 2002-08-01 GETHING C

1096 326004 2014-01-01 GETHING D

1096 348001 2010-04-01 CADOMIN A



**POOL DESIGNATION (cont'd)**

1096 348003 2001-09-01	CADOMIN C
1096 348004 2010-04-01	CADOMIN D
1096 408001 2010-04-01	NIKANASSIN A
1096 408002 2010-04-01	NIKANASSIN B
1096 408003 2009-10-01	NIKANASSIN C
1096 508001 2011-02-01	CHARLIE LAKE A
1096 508004 2011-02-01	CHARLIE LAKE D
1096 508005 2008-01-01	CHARLIE LAKE E
1096 508006 2008-06-01	CHARLIE LAKE F
1096 516001 2007-07-01	HALFWAY A
1096 524001 2007-08-01	MONTNEY A

**COMMINGLED PRODUCTION**

MU 7963 27 Jul 2011

**SUBSURFACE DISPOSAL SCHEMES**

App 8962G 21 Nov 2014  
Class Ib  
Gibson Energy ULC

**FIELD DESIGNATION**

0359 2008-07-01 GRANDE PRAIRIE FIELD

**POOL DESIGNATION**

0359 192001 2010-04-01 DUNVEGAN A  
0359 192002 2008-04-01 DUNVEGAN B  
0359 192003 2011-05-01 DUNVEGAN C  
0359 192005 2008-03-01 DUNVEGAN E

0359 264001 2006-07-01 SPIRIT RIVER A  
0359 264002 2007-08-01 SPIRIT RIVER B  
0359 264003 2007-09-01 SPIRIT RIVER C

0359 326001 2001-11-01 GETHING A  
0359 326002 2002-08-01 GETHING B  
0359 326003 2007-07-01 GETHING C  
0359 326004 2010-04-01 GETHING D

0359 348001 2001-02-01 CADOMIN A  
0359 348002 2003-05-01 CADOMIN B  
0359 348003 2010-04-01 CADOMIN C

0359 508002 2010-04-01 CHARLIE LAKE B  
0359 508003 2001-02-01 CHARLIE LAKE C  
0359 508004 2001-02-01 CHARLIE LAKE D  
0359 508005 2001-02-01 CHARLIE LAKE E  
0359 508006 2001-02-01 CHARLIE LAKE F  
0359 508007 2001-02-01 CHARLIE LAKE G  
0359 508008 2001-02-01 CHARLIE LAKE H  
0359 508009 2012-11-01 CHARLIE LAKE I  
0359 508010 2001-02-01 CHARLIE LAKE J  
0359 508011 2012-02-01 CHARLIE LAKE K  
0359 508012 2010-04-01 CHARLIE LAKE L  
0359 508013 2001-02-01 CHARLIE LAKE M  
0359 508014 2010-04-01 CHARLIE LAKE N  
0359 508015 2010-04-01 CHARLIE LAKE O

**POOL DESIGNATION (cont'd)**

0359 508016 2004-03-01	CHARLIE LAKE P
0359 508017 2001-03-01	CHARLIE LAKE Q
0359 508018 2001-03-01	CHARLIE LAKE R
0359 508019 2001-03-01	CHARLIE LAKE S
0359 508020 2001-04-01	CHARLIE LAKE T
0359 508021 2013-01-01	CHARLIE LAKE U
0359 508022 2010-04-01	CHARLIE LAKE V
0359 508023 2002-06-01	CHARLIE LAKE W
0359 508024 2004-03-01	CHARLIE LAKE X
0359 508025 2004-03-01	CHARLIE LAKE Y
0359 508026 2004-12-01	CHARLIE LAKE Z
0359 508027 2005-02-01	CHARLIE LAKE AA
0359 508028 2006-07-01	CHARLIE LAKE BB
0359 508029 2007-07-01	CHARLIE LAKE CC
0359 508030 2010-07-01	CHARLIE LAKE DD
0359 508031 2013-01-01	CHARLIE LAKE EE
0359 508032 2014-05-01	CHARLIE LAKE FF
0359 508033 2015-02-01	CHARLIE LAKE GG
0359 516001 2010-04-01	HALFWAY A
0359 516006 2001-02-01	HALFWAY F
0359 516007 2001-02-01	HALFWAY G
0359 516008 2001-02-01	HALFWAY H
0359 516009 2001-02-01	HALFWAY I
0359 516010 2001-02-01	HALFWAY J
0359 516011 2002-03-01	HALFWAY K
0359 516012 2001-02-01	HALFWAY L
0359 516013 2001-02-01	HALFWAY M
0359 516014 2001-02-01	HALFWAY N
0359 516016 2010-04-01	HALFWAY P
0359 516018 2001-02-01	HALFWAY R
0359 516019 2001-02-01	HALFWAY S
0359 516020 2001-02-01	HALFWAY T
0359 516022 2001-02-01	HALFWAY V
0359 516024 2001-05-01	HALFWAY X
0359 516025 2001-09-01	HALFWAY Y
0359 516026 2010-04-01	HALFWAY Z
0359 516028 2001-03-01	HALFWAY BB

**POOL DESIGNATION (cont'd)**

0359 516029 2006-01-01	HALFWAY CC
0359 516030 2001-05-01	HALFWAY DD
0359 516031 2001-02-01	HALFWAY EE
0359 516034 2010-04-01	HALFWAY HH
0359 516035 2002-02-01	HALFWAY II
0359 516037 2002-09-01	HALFWAY KK
0359 516038 2004-09-01	HALFWAY LL
0359 516039 2007-03-01	HALFWAY MM
0359 516040 2007-03-01	HALFWAY NN
0359 516041 2007-12-01	HALFWAY OO
0359 516042 2010-04-01	HALFWAY PP
0359 524001 2001-03-01	MONTNEY A
0359 524005 2010-04-01	MONTNEY E
0359 524006 2001-02-01	MONTNEY F
0359 524007 2010-04-01	MONTNEY G
0359 524008 2002-03-01	MONTNEY H
0359 524009 2010-04-01	MONTNEY I
0359 524010 2008-05-01	MONTNEY J
0359 606001 2001-02-01	KISKATINAW A
0359 606002 2005-01-01	KISKATINAW B
0359 644001 2009-04-01	BANFF A
0359 658001 2001-03-01	WABAMUN A

**SPACING PATTERN**

SU 2182 9 May 1995  
SU 2182A 13 Jun 1995  
SU 2182B 21 May 1996  
SU 2182C 4 Mar 1997  
SU 2182D 28 Oct 1999  
SU 2182E 2 Feb 2000  
SU 2182F 5 Sep 2003  
SU 2182G 7 May 2005  
SU 2182H 22 Aug 2005  
SU 2182I 31 Oct 2005

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

App 11344 12 Nov 2009  
Class Ib  
Secure Energy Services Inc.

**COMMINGLED PRODUCTION**

MU 2193 13 Feb 2001

**ENHANCED RECOVERY SCHEMES**

App 5404E 26 Oct 2015  
Other  
Halfway A  
Canadian Natural Resources Limited

App 7774C 17 Sep 2015  
Waterflood  
Charlie Lake B  
Taqa North Ltd.

App 8420J 22 Jun 2015  
Waterflood  
Halfway V  
Polar Star Canadian Oil And Gas Inc.

**SUBSURFACE DISPOSAL SCHEMES**

App 10180A 17 Nov 2010  
Class II  
Canadian Natural Resources Limited

**FIELD DESIGNATION**

0396 2005-02-01 GRANOR FIELD

**POOL DESIGNATION**

0396 280001 2009-03-01 CLEARWATER A

0396 280002 2011-09-01 CLEARWATER B

0396 306001 2014-11-01 WABISKAW A

0396 306002 2001-02-01 WABISKAW B

0396 306003 2012-11-01 WABISKAW C

0396 306004 2004-06-01 WABISKAW D

0396 306005 2004-06-01 WABISKAW E

0396 306006 2010-01-01 WABISKAW F

0396 306007 2010-01-01 WABISKAW G

0396 306008 2010-01-01 WABISKAW H

0396 328001 2001-02-01 MCMURRAY A

0396 328002 2004-09-01 MCMURRAY B

0396 696001 2002-06-01 NISKU A

0396 716001 2010-04-01 GROSMONT A

0396 716002 2004-09-01 GROSMONT B

0396 716003 2009-03-01 GROSMONT C

0396 716004 2005-11-01 GROSMONT D

**FIELD DESIGNATION**

0733 2011-03-01 GRANUM FIELD

**POOL DESIGNATION**

0733 106001 2014-06-01 EDMONTON A

0733 213001 2013-08-01 BOW ISLAND A

0733 213002 2010-12-01 BOW ISLAND B

0733 213003 2009-11-01 BOW ISLAND C

0733 213004 2010-04-01 BOW ISLAND D

0733 213005 2011-05-01 BOW ISLAND E

0733 213006 2011-05-01 BOW ISLAND F

0733 213007 2012-05-01 BOW ISLAND G

0733 316001 2014-02-01 OSTRACOD A

0733 332001 2011-09-01 SUNBURST A

0733 332006 2009-04-01 SUNBURST F

0733 332007 2011-04-01 SUNBURST G

0733 332008 2013-01-01 SUNBURST H

0733 332009 2012-04-01 SUNBURST I

0733 420001 2007-03-01 SWIFT A

0733 420002 2009-01-01 SWIFT B

0733 420003 2009-04-01 SWIFT C

0733 420004 2009-11-01 SWIFT D

0733 630001 2009-05-01 TURNER VALLEY A

0733 630002 2009-06-01 TURNER VALLEY B

0733 630003 2012-01-01 TURNER VALLEY C

0733 644001 2012-04-01 BANFF A

0733 644002 2013-07-01 BANFF B

0733 649001 2013-03-01 LWR BANFF-EXSHAW-BV A

**POOL DESIGNATION (cont'd)**

0733 649002 2013-03-01	LWR BANFF-EXSHAW-BV B
0733 649003 2015-12-01	LWR BANFF-EXSHAW-BV C

**SPACING PATTERN**

SU 2374	9 Nov 1995
SU 2374A	12 May 2004
SU 2374B	25 Jan 2006
SU 2374C	10 Mar 2006



**FIELD DESIGNATION**

0429 2001-07-01 GRASSLAND FIELD

**POOL DESIGNATION**

0429 218001 2001-03-01 VIKING A

0429 218002 2007-07-01 VIKING B

0429 256001 2001-02-01 COLONY A

0429 256002 2004-02-01 COLONY B

0429 262001 2010-04-01 GRAND RAPIDS A  
0429 262002 2001-02-01 GRAND RAPIDS B  
0429 262003 2001-02-01 GRAND RAPIDS C  
0429 262004 2001-02-01 GRAND RAPIDS D  
0429 262005 2001-02-01 GRAND RAPIDS E  
0429 262006 2010-04-01 GRAND RAPIDS F  
0429 262008 2001-02-01 GRAND RAPIDS H  
0429 262009 2001-02-01 GRAND RAPIDS I  
0429 262010 2001-02-01 GRAND RAPIDS J  
0429 262011 2010-04-01 GRAND RAPIDS K  
0429 262012 2001-02-01 GRAND RAPIDS L  
0429 262015 2003-10-01 GRAND RAPIDS O  
0429 262016 2004-05-01 GRAND RAPIDS P  
0429 262017 2006-06-01 GRAND RAPIDS Q  
0429 262018 2010-04-01 GRAND RAPIDS R  
0429 262019 2010-04-01 GRAND RAPIDS S  
0429 262020 2007-07-01 GRAND RAPIDS T  
0429 262021 2008-04-01 GRAND RAPIDS U  
0429 262022 2008-04-01 GRAND RAPIDS V  
0429 262023 2007-09-01 GRAND RAPIDS W  
0429 262024 2010-04-01 GRAND RAPIDS X  
0429 262025 2007-12-01 GRAND RAPIDS Y  
0429 262026 2008-07-01 GRAND RAPIDS Z  
0429 262027 2011-11-01 GRAND RAPIDS AA  
0429 262028 2010-04-01 GRAND RAPIDS BB  
0429 262029 2011-03-01 GRAND RAPIDS CC

**POOL DESIGNATION (cont'd)**

0429 262030 2011-03-01	GRAND RAPIDS DD
0429 262031 2011-12-01	GRAND RAPIDS EE
0429 262032 2011-12-01	GRAND RAPIDS FF
0429 270001 2003-08-01	WASECA A
0429 276001 2007-10-01	SPARKY A
0429 280001 2012-05-01	CLEARWATER A
0429 306005 2001-02-01	WABISKAW E
0429 306006 2001-02-01	WABISKAW F
0429 306008 2003-06-01	WABISKAW H
0429 328001 2010-04-01	MCMURRAY A
0429 328002 2001-02-01	MCMURRAY B
0429 328003 2010-04-01	MCMURRAY C
0429 328004 2001-02-01	MCMURRAY D
0429 328005 2001-02-01	MCMURRAY E
0429 328006 2011-04-01	MCMURRAY F
0429 328007 2006-04-01	MCMURRAY G
0429 350001 2004-07-01	DETRITAL A
0429 658501 2010-04-01	WABAMUN-WINTERBURN A
0429 696001 2010-04-01	NISKU A
0429 696002 2001-02-01	NISKU B
0429 696003 2001-02-01	NISKU C
0429 696004 2001-02-01	NISKU D
0429 696006 2007-08-01	NISKU F

**FIELD DESIGNATION**

0431 2009-11-01 GREENCOURT FIELD

**POOL DESIGNATION**

0431 218001 2001-10-01 VIKING A  
0431 218002 2001-02-01 VIKING B  
0431 218003 2001-02-01 VIKING C  
0431 218004 2001-02-01 VIKING D  
0431 218005 2001-03-01 VIKING E  
0431 218006 2002-04-01 VIKING F  
0431 218007 2002-09-01 VIKING G  
0431 218008 2002-09-01 VIKING H  
0431 218009 2005-10-01 VIKING I  
0431 218010 2006-11-01 VIKING J  
0431 218011 2009-10-01 VIKING K

0431 250001 2003-11-01 UPPER MANNVILLE A  
0431 250002 2005-06-01 UPPER MANNVILLE B

0431 316001 2004-08-01 OSTRACOD A

0431 336001 2001-02-01 ELLERSLIE A  
0431 336002 2004-01-01 ELLERSLIE B

0431 446001 2012-01-01 JURASSIC A  
0431 446002 2001-05-01 JURASSIC B  
0431 446004 2001-02-01 JURASSIC D  
0431 446005 2001-02-01 JURASSIC E  
0431 446006 2001-02-01 JURASSIC F  
0431 446007 2001-02-01 JURASSIC G  
0431 446009 2010-04-01 JURASSIC I  
0431 446010 2001-02-01 JURASSIC J  
0431 446011 2004-08-01 JURASSIC K  
0431 446012 2008-10-01 JURASSIC L

0431 642001 2012-01-01 PEKISKO A

**POOL DESIGNATION (cont'd)**

0431 642003 2001-02-01 PEKISKO C  
0431 642005 2001-02-01 PEKISKO E  
0431 642006 2001-02-01 PEKISKO F  
0431 642007 2001-02-01 PEKISKO G  
0431 642009 2001-04-01 PEKISKO I

0431 644001 2011-10-01 BANFF A

**SPACING PATTERN**

SU 2185 19 Apr 1995  
SU 2185A 12 Sep 1995  
SU 2185B 26 Sep 1995  
SU 2185C 24 Apr 1997  
SU 2185D 17 Mar 2004

**COMMINGLED PRODUCTION**

MU 5200 31 Jan 2006  
MU 7537 5 Oct 2010

**SUBSURFACE DISPOSAL SCHEMES**

App 9081 3 May 2002  
Class II  
Canadian Natural Resources Limited

App 10569 11 Jul 2006  
Class Ib  
Newalta Corporation

**FIELD DESIGNATION**

0485 2009-02-01                      GRENCOURT EAST FIELD

**POOL DESIGNATION**

0485 218001 2001-02-01            VIKING A  
0485 218002 2001-02-01            VIKING B  
0485 218007 2001-11-01            VIKING G

0485 248001 2006-04-01            MANNVILLE A

0485 250001 2001-02-01            UPPER MANNVILLE A

0485 300001 2001-02-01            GLAUCONITIC A  
0485 300002 2005-10-01            GLAUCONITIC B  
0485 300003 2005-10-01            GLAUCONITIC C  
0485 300004 2004-07-01            GLAUCONITIC D  
0485 300005 2006-01-01            GLAUCONITIC E

0485 446001 2010-09-01            JURASSIC A  
0485 446002 2007-08-01            JURASSIC B

0485 644001 2001-02-01            BANFF A  
0485 644002 2012-08-01            BANFF B  
0485 644003 2005-11-01            BANFF C  
0485 644004 2006-05-01            BANFF D  
0485 644005 2008-10-01            BANFF E

**SPACING PATTERN**

SU 2759            8 May 1996  
SU 2759A          29 Mar 2007  
SU 2759B          27 Jun 2007  
SU 2759C          19 Oct 2007

**FIELD DESIGNATION**

1098 2001-03-01                      GREGG FIELD

**POOL DESIGNATION**

1098 176001 2001-03-01              CARDIUM A

1098 176002 2001-06-01              CARDIUM B

**FIELD DESIGNATION**

0419 2008-05-01 GRIMSHAW FIELD

**POOL DESIGNATION**

0419 228001 2005-06-01 PEACE RIVER A  
0419 250001 2001-02-01 UPPER MANNVILLE A  
0419 266001 2006-02-01 NOTIKEWIN A  
0419 304001 2010-04-01 BLUESKY A  
0419 326001 2006-01-01 GETHING A  
0419 500002 2004-06-01 TRIASSIC B  
0419 500003 2002-05-01 TRIASSIC C  
0419 500004 2017-07-01 TRIASSIC D  
0419 500006 2011-11-01 TRIASSIC F  
0419 500007 2011-12-01 TRIASSIC G

**ENHANCED RECOVERY SCHEMES**

App 11739F 11 Jan 2016  
Waterflood  
Triassic D  
Canamax Energy Ltd.

App 12574 1 Dec 2016  
Waterflood  
Triassic D  
Canamax Energy Ltd.

**SUBSURFACE DISPOSAL SCHEMES**

App 8397A 2 Sept 2014  
Class II  
Long Run Exploration Ltd.

**FIELD DESIGNATION**

0433 2012-01-01 GRIZZLY FIELD

**POOL DESIGNATION**

0433 192006 2012-01-01 DUNVEGAN F

0433 250001 2006-09-01 UPPER MANNVILLE A

0433 266007 2012-01-01 NOTIKEWIN G

0433 266011 2008-03-01 NOTIKEWIN K

0433 266012 2008-10-01 NOTIKEWIN L

0433 266013 2011-04-01 NOTIKEWIN M

0433 326001 2001-02-01 GETHING A

0433 326012 2012-01-01 GETHING L

0433 524002 2013-09-01 MONTNEY B

0433 728001 2015-02-01 DUVERNAY A

0433 857900 2010-08-01 MFP8579 DUNVEGAN

0433 858000 2010-08-01 MFP8580 GETHING

**SPACING PATTERN**

SU 4319 15 Feb 2006

SU 4319A 16 May 2006



**FIELD DESIGNATION**

0411 2014-07-01 GROAT FIELD

**POOL DESIGNATION**

0411 176002 2001-02-01 CARDIUM B  
0411 176003 2001-02-01 CARDIUM C  
0411 176004 2001-02-01 CARDIUM D  
0411 176005 2001-02-01 CARDIUM E  
0411 176006 2010-04-01 CARDIUM F  
0411 176007 2007-11-01 CARDIUM G

0411 186001 2004-02-01 SECOND WHITE SPECKS A

0411 218001 2012-10-01 VIKING A  
0411 218002 2010-02-01 VIKING B  
0411 218003 2013-11-01 VIKING C

0411 250001 2008-11-01 UPPER MANNVILLE A  
0411 250002 2007-01-01 UPPER MANNVILLE B  
0411 250003 2010-04-01 UPPER MANNVILLE C  
0411 250004 2011-06-01 UPPER MANNVILLE D  
0411 250005 2013-04-01 UPPER MANNVILLE E

0411 266001 2008-05-01 NOTIKEWIN A

0411 304001 2010-04-01 BLUESKY A  
0411 304002 2005-07-01 BLUESKY B  
0411 304003 2006-09-01 BLUESKY C

0411 326001 2001-02-01 GETHING A  
0411 326002 2001-02-01 GETHING B  
0411 326003 2001-02-01 GETHING C  
0411 326005 2010-04-01 GETHING E  
0411 326006 2001-02-01 GETHING F  
0411 326007 2010-04-01 GETHING G  
0411 326008 2009-01-01 GETHING H

**POOL DESIGNATION (cont'd)**

0411 326009 2001-02-01	GETHING I
0411 326010 2001-04-01	GETHING J
0411 326011 2001-03-01	GETHING K
0411 326014 2003-04-01	GETHING N
0411 326015 2002-03-01	GETHING O
0411 326016 2003-02-01	GETHING P
0411 326017 2003-03-01	GETHING Q
0411 326018 2003-05-01	GETHING R
0411 326019 2003-09-01	GETHING S
0411 326020 2006-01-01	GETHING T
0411 326021 2006-06-01	GETHING U
0411 326022 2010-04-01	GETHING V
0411 326023 2010-04-01	GETHING W
0411 326024 2007-07-01	GETHING X
0411 326025 2010-04-01	GETHING Y
0411 326026 2010-04-01	GETHING Z
0411 326027 2010-04-01	GETHING AA
0411 326028 2010-11-01	GETHING BB
0411 348001 2001-02-01	CADOMIN A
0411 432001 2010-04-01	ROCK CREEK A
0411 432003 2010-04-01	ROCK CREEK C
0411 658001 2011-01-01	WABAMUN A
0411 720002 2010-04-01	LEDUC B

**SPACING PATTERN**

SU 2871      23 Apr 1998  
SU 2871A     30 Mar 2000  
SU 2871B     21 Feb 2001  
SU 2871C     8 May 2001  
SU 2871D     19 Nov 2001  
SU 2871E     24 Feb 2005  
SU 2871F     15 Dec 2005  
SU 2871G     14 Nov 2006  
SU 2871H     4 Apr 2007

**COMMINGLED PRODUCTION**

MU 7803      14 Apr 2011

**COMPULSORY POOLING**

P 219            15 Mar 2002  
Gas  
21-056-16W5M  
Pengrowth Corporation

**FIELD DESIGNATION**

0340 2010-05-01 GROUSE FIELD

**POOL DESIGNATION**

0340 218001 2010-04-01 VIKING A  
0340 218002 2010-05-01 VIKING B

0340 262001 2010-04-01 GRAND RAPIDS A  
0340 262002 2001-02-01 GRAND RAPIDS B  
0340 262003 2010-04-01 GRAND RAPIDS C  
0340 262004 2010-04-01 GRAND RAPIDS D  
0340 262006 2010-04-01 GRAND RAPIDS F  
0340 262007 2001-02-01 GRAND RAPIDS G  
0340 262008 2008-01-01 GRAND RAPIDS H  
0340 262009 2015-02-01 GRAND RAPIDS I  
0340 262010 2006-08-01 GRAND RAPIDS J  
0340 262011 2007-07-01 GRAND RAPIDS K  
0340 262012 2010-04-01 GRAND RAPIDS L  
0340 262013 2013-07-01 GRAND RAPIDS M

0340 328001 2001-02-01 MCMURRAY A  
0340 328002 2010-04-01 MCMURRAY B  
0340 328003 2013-07-01 MCMURRAY C  
0340 328004 2013-07-01 MCMURRAY D  
0340 328005 2001-02-01 MCMURRAY E  
0340 328006 2010-04-01 MCMURRAY F  
0340 328007 2001-04-01 MCMURRAY G  
0340 328008 2010-04-01 MCMURRAY H  
0340 328009 2001-03-01 MCMURRAY I  
0340 328010 2001-04-01 MCMURRAY J  
0340 328011 2001-04-01 MCMURRAY K  
0340 328012 2013-07-01 MCMURRAY L  
0340 328013 2001-03-01 MCMURRAY M  
0340 328014 2001-03-01 MCMURRAY N  
0340 328015 2002-04-01 MCMURRAY O  
0340 328016 2002-04-01 MCMURRAY P

**POOL DESIGNATION (cont'd)**

0340 328017 2002-04-01	MCMURRAY Q
0340 328018 2004-07-01	MCMURRAY R
0340 328021 2010-04-01	MCMURRAY U
0340 328022 2003-09-01	MCMURRAY V
0340 328023 2003-11-01	MCMURRAY W
0340 328024 2004-01-01	MCMURRAY X
0340 328025 2005-08-01	MCMURRAY Y
0340 328026 2007-12-01	MCMURRAY Z
0340 328027 2008-08-01	MCMURRAY AA
0340 328028 2008-08-01	MCMURRAY BB
0340 328029 2010-05-01	MCMURRAY CC
0340 328030 2010-05-01	MCMURRAY DD
0340 328031 2010-05-01	MCMURRAY EE
0340 328032 2010-09-01	MCMURRAY FF
0340 328033 2010-09-01	MCMURRAY GG
0340 328034 2015-04-01	MCMURRAY HH

**SPACING PATTERN**

SU 4313      7 Apr 2006

**COMMINGLED PRODUCTION**

MU 2181      24 Jan 2001

**FIELD DESIGNATION**

0366 2001-02-01                      GUNN FIELD

**POOL DESIGNATION**

0366 218001 2001-02-01            VIKING A  
0366 218002 2004-07-01            VIKING B  
0366 218003 2005-10-01            VIKING C

0366 250001 2013-09-01            UPPER MANNVILLE A  
0366 250003 2009-03-01            UPPER MANNVILLE C

0366 300001 2001-02-01            GLAUCONITIC A  
0366 300002 2001-02-01            GLAUCONITIC B

0366 310001 2001-02-01            LOWER MANNVILLE A  
0366 310002 2006-03-01            LOWER MANNVILLE B  
0366 310003 2009-11-01            LOWER MANNVILLE C

0366 644001 2001-02-01            BANFF A  
0366 644003 2001-02-01            BANFF C

**SPACING PATTERN**

SU 2383            23 Nov 1995  
SU 2383A          20 Jul 1998  
SU 2383B          15 Dec 2005

**FIELD DESIGNATION**

0502 2006-05-01 GUTAH FIELD

**POOL DESIGNATION**

0502 326001 2009-07-01 GETHING A

0502 326002 2011-08-01 GETHING B

0502 612003 2001-02-01 DEBOLT C

0502 612004 2001-03-01 DEBOLT D

0502 612005 2001-06-01 DEBOLT E

0502 758001 2001-03-01 SLAVE POINT A

0502 758002 2001-03-01 SLAVE POINT B

0502 758003 2001-03-01 SLAVE POINT C

0502 758004 2003-03-01 SLAVE POINT D

0502 772101 2008-06-01 KEG RIVER A

0502 772102 2010-09-01 KEG RIVER B

0502 772103 2008-11-01 KEG RIVER C

0502 772104 2010-03-01 KEG RIVER D

**SUBSURFACE DISPOSAL SCHEMES**

App 11343A 8 Nov 2011

Class II

Polar Star Canadian Oil and Gas Inc.