

**FIELD DESIGNATION**

0659 2011-05-01 OAK FIELD

**POOL DESIGNATION**

0659 304001 2009-09-01 BLUESKY A

0659 432001 2010-04-01 ROCK CREEK A

0659 606001 2001-02-01 KISKATINAW A

0659 606002 2001-02-01 KISKATINAW B

0659 606003 2013-07-01 KISKATINAW C

0659 658001 2001-02-01 WABAMUN A

**FIELD DESIGNATION**

0664 2012-04-01                      OGSTON FIELD

**POOL DESIGNATION**

0664 304001 2010-04-01            BLUESKY A

0664 773502 2008-05-01            KEG RIVER SAND B

0664 797502 2008-06-01            GRANITE WASH B  
0664 797503 2008-06-01            GRANITE WASH C  
0664 797504 2008-06-01            GRANITE WASH D  
0664 797505 2010-04-01            GRANITE WASH E  
0664 797506 2008-06-01            GRANITE WASH F  
0664 797507 2008-06-01            GRANITE WASH G  
0664 797508 2008-06-01            GRANITE WASH H  
0664 797509 2008-06-01            GRANITE WASH I  
0664 797510 2008-06-01            GRANITE WASH J  
0664 797511 2008-06-01            GRANITE WASH K  
0664 797512 2008-06-01            GRANITE WASH L  
0664 797514 2008-06-01            GRANITE WASH N  
0664 797515 2008-06-01            GRANITE WASH O  
0664 797516 2008-06-01            GRANITE WASH P  
0664 797517 2008-06-01            GRANITE WASH Q  
0664 797518 2008-06-01            GRANITE WASH R  
0664 797519 2008-06-01            GRANITE WASH S  
0664 797520 2008-06-01            GRANITE WASH T  
0664 797521 2015-12-01            GRANITE WASH U  
0664 797522 2008-06-01            GRANITE WASH V  
0664 797523 2008-06-01            GRANITE WASH W  
0664 797524 2008-06-01            GRANITE WASH X  
0664 797525 2008-06-01            GRANITE WASH Y  
0664 797526 2008-06-01            GRANITE WASH Z  
0664 797527 2008-06-01            GRANITE WASH AA  
0664 797528 2008-06-01            GRANITE WASH BB  
0664 797529 2008-06-01            GRANITE WASH CC  
0664 797530 2013-07-01            GRANITE WASH DD

**SPACING PATTERN**

SU 2462 16 Jan 1996

SU 2462A 15 Apr 1998

**SUBSURFACE DISPOSAL SCHEMES**

App 9171E 17 Nov 2015

Class II

Cardinal Energy Ltd.

App 8294C 31 Oct 2017

Class II

Prairie Provident Resources Canada Ltd.

App 8797 26 Aug 2014

Class II

Penn West Petroleum Ltd.

**ENHANCED RECOVERY SCHEMES**

App 9673Q 4 Apr 2018  
By water injection  
Athabasca Oil Sands Area  
Canadian Natural Resources Limited

App 10147 1 Feb 2005

App 10147G 4 Mar 2016  
By water injection  
Athabasca Oil Sands Area  
Canadian Natural Resources Limited

App 10787 3 May 2007

App 10787R 7 Sep 2018  
by water polymer and water injection  
Athabasca Oil Sands Area  
Canadian Natural Resources Limited

App 12288A 12 May 2015  
Baytex Energy Ltd.  
Cold Lake Oil Sands Area

App 11320F 30 Jan 2018  
by water polymer and water injection  
Baytex Energy Ltd.

App 11618A 17 Sep 2018  
Cenovus Energy Inc.  
Athabasca Oil Sands Area

App 12133D 9 Aug 2019  
Canadian Natural Resources Limited  
Devon Canada Corporation

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

App 12640 28 Jun 2017  
Peace River Oil Sands Area  
Baytex Energy Ltd.

App 12641 28 Jun 2017  
Cold Lake Oil Sands Area  
Canadian Natural Resources Limited

App 12677A 1 Aug 2019  
Athabasca Oil Sands Area  
Cavalier Energy Inc.

App 12699 28 Feb 2018  
Cold Lake Oil Sands Area  
West Lake Energy Corp.

App 12701 5 Mar 2018  
Cold Lake Oil Sands Area  
West Lake Energy Corp.

App 12717A 9 Aug 2019  
Cold Lake Oil Sands Area  
Devon Canada Corporation

App 12718A 9 Aug 2019  
Cold Lake Oil Sands Area  
Devon Canada Corporation

App 12715A 1 Aug 2019  
Peace River Oil Sands Area  
Cavalier Energy Inc.

App 10259A 29 Mar 2018  
Cold Lake Oil Sands Area  
Husky Oil Operations Limited

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

App 12768A 9 Aug 2019  
Cold Lake Oil Sands Area  
Canadian Natural Resources Limited

App 12781 9 Aug 2018  
Athabasca Oil Sands Area  
Spur Petroleum Ltd.

App 12827A 9 Aug 2019  
Cold Lake Oil Sands Area.  
Canadian Natural Resources Limited

App 12830 30 Nov 2018  
Athabasca Oil Sands Area,  
Spur Petroleum Ltd.

App 12833A 9 Aug 2019  
Cold Lake Oil Sands  
Canadian Natural Resources Limited

App 12910 19 Jul 2019  
Athabasca Oil Sands Area  
Spur Petroleum Ltd.

App 12909 23 Jul 2019  
Peace River Oil Sands Area  
Baytex Energy Ltd.

App 12915 15 Aug 2019  
Peace River Oil Sands Area  
Spur Petroleum Ltd.

App 12968 5 Feb 2020  
Athabasca Oil Sands Area  
Deltastream Energy Corporation

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

App 12971 13 Feb 2020  
Athabasca Oil Sands Area  
Spur Petroleum Ltd.

App 12980 12 Mar 2020  
Peace River Oil Sands Area  
Baytex Energy Ltd.

App 12978 12 Mar 2020  
Athabasca Oil Sands Area  
Deltastream Energy Corporation

App 12982A 16 Apr 2020  
Cold Lake Oil Sands Area  
Rife Resources Ltd.

**SUBSURFACE DISPOSAL SCHEMES**

App 9056C 4 Mar 2014  
Class II  
Husky Oil Operations Limited

App 8612E 22 Mar 2017  
Class Ib  
Canadian Natural Resources Limited

App 9484B 17 Dec 2013  
Class II  
Canadian Natural Resources Limited

App 9447B 21 Sep 2017  
Class II  
Obsidian Energy Ltd.

App 10914B 18 Oct 2012  
Class II  
Canadian Natural Resources Limited

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

App 11941A 28 Aug 2018  
Class II  
ConocoPhillips Canada Resources Corp.

App 8490A 10 Apr 2012  
Class II  
Amoco Canada Petroleum Company

App 9596A 30 May 2012  
Class II  
Canadian Natural Resources Limited

App 8489B 15 July 2013  
Class II  
Harvest Operations Corp.

App 7971D 19 Nov 2018  
Class II  
AlphaBow Energy Ltd.

App 7126A 3 Feb 2012  
Class II  
Husky Oil Operations Limited

App 8168A 13 Dec 2011  
Class II  
Bonavista Energy Corporation

App 8707H 10 Aug 2017  
Class Ib  
Tervita Corporation

App 8772B 8 July 2013  
Class Ib  
Canadian Natural Resources Limited

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

App 9625B 30 Jun 2016  
Class II  
Baytex Energy Ltd.

App 10123B 29 Apr 2020  
Class II  
Cona Resources Ltd.

App 10637A 30 Oct 2012  
Class II  
Harvest Operations Corp.

App 8156C 27 Aug 2018  
Class II  
Cenovus Energy Inc.

App 8775C 18 Nov 2019  
Class II  
Canadian Natural Resources Limited

App 8858 1 Aug 2001  
Class II  
BP Canada Energy Company

App 9594B 1 May 2014  
Class II  
Canadian Natural Resources Limited

App 10669A 10 Feb 2010  
Class Ib  
Cenovus Energy Inc.

App 10894 28 May 2007  
Class II  
ISH Energy

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

App 10928A 5 Dec 2012  
Class II  
Sonoma Resources Ltd

App 2455A 14 Feb 2011  
Class II  
Canadian Natural Resources Limited

App 4222A 9 May 2012  
Class II  
Canadian Natural Resources Limited

App 10588 28 Jun 2006  
Class II  
Husky Oil Operations Limited

App 10533 1 May 2006  
Class II  
Canadian Natural Resources Limited

App 10517C 7 Nov 2017  
Class II  
Canadian Natural Resources Limited

App 10503 11 Apr 2006  
Class II  
Husky Oil Operations Limited

App 10502 11 Apr 2006  
Class II  
Husky Oil Operations Limited

App 10501 11 Apr 2006  
Class II  
Husky Oil Operations Limited

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

App 10500A 14 Sep 2012  
Class II  
Husky Oil Operations Limited

App 10494A 15 Jan 2013  
Class II  
Long Run Exploration Ltd.

App 10480B 20 Aug 2012  
Class II  
Baytex Energy Ltd.

App 10393C 9 Aug 2012  
Class II  
Tervita Corporation

App 10339B 17 Dec 2018  
Class II  
Canadian Natural Resources Limited

App 10263 18 Apr 2005  
Class II  
Husky Oil Operations Limited

App 10023K 11 Mar 2019  
Class Ib  
CNOOC Petroleum North America ULC

App 10224 24 Feb 2005  
Class II  
Husky Oil Operations Limited

App 9885B 6 Dec 2016  
Class II  
Sequoia Resources Corp.

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

App 9689B 6 Dec 2016  
Class II  
Sequoia Resources Corp.

App 9425B 6 Dec 2016  
Class II  
Sequoia Resources Corp.

App 8852B 6 Dec 2016  
Class II  
Sequoia Resources Corp.

App 8208B 6 Dec 2016  
Class II  
Sequoia Resources Corp.

App 8039C 6 Dec 2016  
Class II  
Sequoia Resources Corp.

App 10684B 6 Dec 2016  
Class II  
Sequoia Resources Corp.

App 7913C 6 Dec 2016  
Class Ib  
Sequoia Resources Corp.

App 12104K 26 Feb 2020  
Class II  
Canadian Natural Resources Limited

App 8175G 1 Jun 2020  
Class II  
Osum Production Corp.

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

App 10898C 18 Nov 2019  
Class II  
10898B

App 3084D 18 Nov 2019  
Class II  
Canadian Natural Resources Limited

App 3929A 2 Sept 2011  
Class Ib  
Canadian Natural Resources Limited

App 4128D 2 Sept 2011  
Class II  
Dome Petroleum Limited

App 5588D 3 Jul 2014  
Class Ib  
Cenovus Energy Inc.

App 6081A 28 Sept 2011  
Class II  
Bonavista Energy Corporation

App 6202A 29 Sept 2011  
Class II  
Bonavista Energy Corporation

App 7777C 12 Jun 2014  
Class II  
Gear Energy Ltd.

App 8268B 7 Jan 2019  
Class II  
Point Loma Resources Ltd.



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

App 8381B 6 Dec 2016  
Class II  
Sequoia Resources Corp.

App 8414B 18 Nov 2019  
Class II  
Canadian Natural Resources Limited

App 8470C 22 Aug 2019  
Class II  
Ipc Canada Ltd.

App 8490B 18 Nov 2019  
Class II  
Canadian Natural Resources Limited

App 8491A 21 June 2011  
Class II  
Canadian Natural Resources Limited

App 8640D 11 Aug 2011  
Class Ib  
Japan Canada Oil Sands Limited

App 8825C 6 Dec 2016  
Class II  
Sequoia Resources Corp.

App 8858B 18 Nov 2019  
Class II  
Canadian Natural Resources Limited

App 8898F 13 Mar 2017  
Class II  
Canadian Natural Resources Limited

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

App 9108A 28 Oct 2015  
Class II  
Canadian Natural Resources Limited

App 9344B 8 Jan 2016  
Class II  
Canadian Natural Resources Limited

App 9487K 12 Sep 2019  
Class Ib  
Suncor Energy Inc.

App 9573D 29 Mar 2019  
Class Ib  
ConocoPhillips Canada Resources Corp.

App 9712C 27 Aug 2018  
Class Ib  
Cenovus Energy Inc.

App 10044L 26 Mar 2020  
Class Ib  
ConocoPhillips Canada Resources Corp.

App 10079D 22 Aug 2019  
Class II  
Ipc Canada Ltd.

App 10213C 21 Sep 2017  
Class II  
Obsidian Energy Ltd.

App 10347E 12 Jun 2014  
Class II  
Gear Energy Ltd.

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

App 10365F 26 Jan 2018  
Class Ib  
Canadian Natural Resources Limited

App 10539A 21 Jun 2010  
Class II  
Husky Oil Operations Limited

App 10567B 6 Dec 2016  
Class Ib  
Sequoia Resources Corp.

App 10591A 22 Nov 2013  
Class Ib  
Husky Oil Operations Limited

App 10624B 18 Nov 2019  
Class II  
Canadian Natural Resources Limited

App 10627F 27 Aug 2018  
Class Ib  
Cenovus Energy Inc.

App 10659C 31 Jul 2013  
Class Ib  
MEG Energy Corp.

App 10712 25 Jan 2007

App 10712B 27 Apr 2020  
Class Ib  
Canadian Natural Resources Limited

App 10715 9 Nov 2006  
Class II  
Harvest Operations Corp.

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

App 10783 19 Mar 2007

App 10783A 17 Dec 2009  
Class Ib  
Suncor Energy Inc.

App 10790L 9 Aug 2019  
Class Ib  
Canadian Natural Resources Limited

App 10835E 9 Aug 2019  
Class Ib  
Canadian Natural Resources Limited

App 10893B 21 Sep 2017  
Class II  
Obsidian Energy Ltd.

App 10923C 6 Dec 2016  
Class II  
Sequoia Resources Corp.

App 10937B 30 May 2017  
Class II  
Canadian Natural Upgrading Limited

App 11001B 17 Sep 2018  
Class Ib  
Newalta Corporation

App 11059E 27 Aug 2018  
Class II  
Cenovus Energy Inc.

App 11181 4 Apr 2008  
Suncor Energy Inc.  
Waste Disposal Area

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

App 11189C 12 Sep 2018  
Class II  
White Swan Environmental Ltd.

App 11201I 29 Oct 2018  
Class II  
Canadian Natural Resources Limited

App 11242C 23 Aug 2018  
Class II  
Husky Oil Operations Limited

App 11261 30 Apr 2009  
Syncrude Canada Ltd.  
Waste Disposal Area

App 11266B 1 Sep 2015  
Class Ib  
Crescent Point Energy Corp.

App 11278A 18 Nov 2019  
Class II  
Canadian Natural Resources Limited

App 11311B 30 May 2017  
Class II  
Canadian Natural Upgrading Limited

App 11313 16 Apr 2009

App 11313A 6 Jul 2010  
Class II  
Canadian Natural Resources Limited

App 11319B 19 Nov 2018  
Class II  
Manitok Energy Inc.

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

App 11351G 27 Aug 2018  
Class Ib  
Cenovus Energy Inc.

App 11367E 12 Jun 2014  
Class II  
Gear Energy Ltd.

App 11368B 20 July 2012  
Class II  
MEG Energy Corp.

App 11418I 22 Nov 2017  
Class II  
Husky Oil Operations Limited

App 11430 20 May 2010  
Class II  
Cenovus Energy Ltd.

App 11479C 27 Sep 2019  
Class Ib  
Athabasca Oil Corporation

App 11544B 26 Apr 2019  
Class Ib  
Canadian Natural Resources Limited

App 11580A 20 Oct 2017  
Class II  
West Lake Energy Corp.

App 11611B 11 Mar 2019  
Class Ia  
CNOOC Petroleum North America ULC

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

App 11706C 5 Sep 2018  
Class II  
West Lake Energy Corp.

App 11653B 28 Apr 2020  
Class Ib  
Canadian Natural Resources Limited

App 11754C 22 Aug 2014  
Class Ib  
Husky Oil Operations Limited

App 11761E 3 May 2018  
Class Ib  
Canadian Natural Resources Limited

App 11799B 26 Apr 2019  
Class Ib  
Canadian Natural Resources Limited

App 11801C 11 April 2014  
Class II  
Sunshine Oil Sands Ltd.

App 11828 13 June 2012  
Class II  
Canadian Natural Resources Limited

App 11874B 27 Sep 2019  
Class II  
Athabasca Oil Corporation

App 11883B 27 Apr 2020  
Class II  
Caltex Resources Ltd.

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

App 11929A 27 Sep 2018  
Class Ib  
Osum Production Corp.

App 11934C 5 Sep 2018  
Class II  
West Lake Energy Corp.

App 11939E 7 Dec 2018  
Class II  
Obsidian Energy Ltd.

App 11949B 23 Aug 2018  
Class II  
Baytex Energy Ltd.

App 12088C 29 Apr 2020  
Class Ib  
Cona Resources Ltd.

App 12173C 21 Apr 2015  
Class Ib  
Baytex Energy Ltd.

App 12198A 8 Jan 2016  
Class II  
Baytex Energy Ltd.

App 12303C 29 Mar 2019  
Class Ib  
Tervita Corporation

App 12326A 9 Dec 2014  
Class II  
One Earth Oil and Gas Inc.

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

App 12378A 30 May 2017  
Class Ib  
Athabasca Oil Corporation

App 12383A 30 May 2017  
Class II  
Cenovus Energy Inc.

App 12443A 6 Dec 2016  
Class II  
Sequoia Resources Corp.

App 12623C 15 Nov 2017  
Class II  
Canadian Natural Resources Limited

App 12682A 24 Feb 2020  
Class II  
Spur Petroleum Ltd.

App 12690 26 Jan 2018  
Class II  
Canadian Natural Resources Limited

App 12723 17 May 2018  
Class Ib  
Connacher Oil And Gas Limited

App 12895 24 Jun 2019

App 12895B 10 Mar 2020  
Class II & Ib  
Pure Environmental Waste Management Ltd.

App 12929A 10 Jan 2020  
Class Ib  
Imperial Oil Resources Limited

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

App 12861 2 Mar 2020  
Class II & Ib  
Pure Environmental Waste Management Ltd.

App 12962 17 Mar 2020  
Class II & Ib  
Highwood Oil Company Ltd.

**OIL SANDS AREAS**

App 12344 18 Dec 2014

App 12344 5 Feb 2015  
Class II  
Husky Oil Operations Limited

OSA 1A 21 Jul 1989  
OSA 1B 15 Dec 1995  
OSA 1C 18 Sep 2000  
Athabasca Oil Sands Area

OSA 2 7 Aug 1984  
OSA 2A 8 Dec 1988  
Peace River Oil Sands Area

OSA 3 7 Aug 1984  
OSA 3A 15 Jul 1985  
Cold Lake Oil Sands Area

**OIL SANDS DEPOSIT**

OSD 1            19 Jun 1972  
 OSD 1A        4 Apr 1978  
 OSD 1B        10 Jul 1980  
 OSD 1C        15 Jun 1981  
 OSD 1D        14 Mar 1982  
 OSD 1E        15 Jul 1985  
 OSD 1F        3 Jul 1987  
 Athabasca Wabiskaw-McMurray  
 Oil Sands Deposit

OSD 3            20 Jun 1972  
 OSD 3A        10 Sep 1974  
 OSD 3B        4 Apr 1978  
 OSD 3C        10 Jul 1980  
 OSD 3D        15 Jul 1985  
 Cold Lake Upper Grand Rapids  
 Oil Sands Deposit

OSD 4            20 Jun 1972  
 OSD 4A        4 Apr 1978  
 OSD 4B        10 Jul 1980  
 OSD 4C        15 Jun 1981  
 OSD 4D        14 Mar 1982  
 OSD 4E        15 Jul 1985  
 OSD 4F        3 Jul 1987  
 Cold Lake Clearwater  
 Oil Sands Deposit

OSD 5            20 Jun 1972  
 OSD 5A        4 Apr 1978  
 OSD 5B        10 Jul 1980  
 OSD 5C        14 Mar 1982  
 OSD 5D        15 Jul 1985  
 Athabasca Upper Grand Rapids  
 Oil Sands Deposit

**OIL SANDS DEPOSIT (cont'd)**

OSD 7            20 Jun 1972  
 OSD 7A        10 Jul 1980  
 OSD 7B        14 Mar 1982  
 OSD 7C        15 Jul 1985  
 OSD 7D        7 Aug 1986  
 OSD 7E        3 Jul 1987  
 OSD 7F        11 May 1988  
 Peace River Bluesky-Gething Oil  
 Sands Deposit

OSD 8            8 Jun 1973  
 OSD 8A        4 Apr 1978  
 OSD 8B        10 Jul 1980  
 OSD 8C        15 Jun 1981  
 OSD 8D        14 Mar 1982  
 OSD 8E        15 Jul 1985  
 OSD 8F        3 Jul 1987  
 Cold Lake Wabiskaw-McMurray  
 Oil Sands Deposit

OSD 9            4 Apr 1978  
 OSD 9A        10 Jul 1980  
 OSD 9B        15 Jul 1985  
 Cold Lake Lower Grand Rapids  
 Oil Sands Deposit

OSD 10          4 Apr 1978  
 OSD 10A       10 Jul 1980  
 OSD 10B       14 Mar 1982  
 OSD 10C       15 Jul 1985  
 Athabasca Middle Grand Rapids  
 Oil Sands Deposit

**OIL SANDS DEPOSIT (cont'd)**

OSD 11        4 Apr 1978  
 OSD 11A      10 Jul 1980  
 OSD 11B      14 Mar 1982  
 OSD 11C      15 Jul 1985  
 Athabasca Lower Grand Rapids  
 Oil Sands Deposit

OSD 12        14 Mar 1982  
 OSD 12A      15 Jul 1985  
 OSD 12B      3 Jul 1987  
 Athabasca Grosmont  
 Oil Sands Deposit

OSD 13        15 Jul 1985  
 OSD 13A      3 Jul 1987  
 Athabasca Nisku  
 Oil Sands Deposit

OSD 14        15 Jul 1985  
 OSD 14A      3 Jul 1987  
 OSD 14B      11 May 1988  
 Peace River Shunda  
 Oil Sands Deposit

OSD 15        15 Jul 1985  
 OSD 15A      3 Jul 1987  
 OSD 15B      11 May 1988  
 Peace River Upper Debolt  
 Oil Sands Deposit

OSD 16        15 Jul 1985  
 OSD 16A      3 Jul 1987  
 OSD 16B      11 May 1988  
 Peace River Lower Debolt  
 Oil Sands Deposit

**OIL SANDS DEPOSIT (cont'd)**

OSD 17        3 Jul 1987  
 Peace River Belloy  
 Oil Sands Deposit

**EXPERIMENTAL OIL SANDS  
SCHEMES**

App 10440L    27 Jun 2016  
 Cenovus Energy Inc.  
 Athabasca Oil Sands Area  
 App 11223     21 Jul 2008  
 UTS Energy Corporation  
 Fort McKay Alberta  
 Expires December 31, 2016  
 App 11224A   28 April 2011  
 Edmonton Industrial Area  
 Shell Canada Energy.  
 Expires July 14, 2014

App 11271A    14 Sep 2010  
 Convergent Bitumen Recovery Inc.  
 Fort McMurray Alberta

App 11272     18 Aug 2010  
 Syncrude Canada Limited

App 11273     6 Aug 2010  
 Canadian Natural Resources Limited  
 MFT Treatment and Dewatering Pilot Plant.

App 11285     1 Apr 2011  
 Shell Canada Energy  
 Muskeg River Mine

App 11546G    19 Sep 2018  
 Athabasca Oil Corporation  
 Athabasca Oil Sands Area  
 Expires September 30, 2023

**EXPERIMENTAL OIL SANDS  
SCHEMES (cont'd)**

App 11604F 4 Jun 2020  
Imperial Oil Resources Limited  
Cold Lake Oil Sands Area  
Expires June 30, 2020

App 11825E 21 Apr 2020  
Suncor Energy Inc.  
Athabasca Oil Sands  
Expires April 30, 2020

App 12066C 1 Apr 2020  
Cold Lake Oil Sands Area  
Canadian Natural Resources Limited  
Expires July 31, 2020

App 12074B 17 Aug 2018  
Suncor Energy Inc.  
Athabasca Oil Sands  
Expires December 1, 2023

App 12101 13 Sept 2013  
Sunshine Oilsands Ltd  
Athabasca Oil Sands Area

App 12283 24 Jul 2014

App 12283C 26 May 2017  
Perpetual Operating Corp.  
Peace River Oil Sands Area  
Expires July 24, 2019

App 12473 28 Sep 2016  
Husky Oil Operations Limited  
Athabasca Oil Sands  
Expires June 30, 2022

**EXPERIMENTAL OIL SANDS  
SCHEMES (cont'd)**

App 12528D 25 Nov 2019  
MEG Energy Corp.  
Athabasca Oil Sands Area  
Expires September 1, 2019

App 12582A 30 May 2017  
Canadian Natural Upgrading Limited  
Peace River Oil Sands Area  
Expires March 1, 2019

App 12425A 30 Nov 2017  
Peace River Oil Sands Area  
Expires May 31, 2021

App 12676 30 Nov 2017  
SCCC Petroleum Corporation  
Peace River Oil Sands Area

App 12346D 3 Mar 2020  
Athabasca Oil Sands  
Cenovus Energy Inc.  
Expires March 31, 2020.

App 12812A 9 Aug 2019  
Cold Lake Oil Sands Area  
Canadian Natural Resources Limited

App 12810 22 Oct 2018  
Athabasca Oil Sands Area,  
Canadian Natural Resources Limited

App 12815A 9 Sep 2019  
Athabasca Oil Sands  
Suncor Energy Inc.



**EXPERIMENTAL OIL SANDS  
SCHEMES (cont'd)**

App 12841A 21 Aug 2019  
Peace River Oil Sands Area  
Spur Petroleum Ltd.  
Suncor Energy Inc.

App 12912A 6 Nov 2019  
Cold Lake Oil Sands Area  
Imperial Oil Resources Limited

App 12919 29 Oct 2019  
Athabasca Oil Sands Area  
Imperial Oil Resources Limited

App 12989 28 May 2020  
Cold Lake Oil Sands Area  
Canadian Natural Resources Limited

**COMMERCIAL OIL SANDS  
SCHEMES**

App 11764G 10 Mar 2016  
Sunshine Oilsands Ltd  
Athabasca Oil Sands Area

App 11789C 30 Sep 2016  
Baytex Energy Ltd.  
Cold Lake Oil Sands Area

App 4746 9 Dec 1985

App 4746QQ 21 Apr 2020  
Canadian Natural Resources Limited  
Cold Lake Oil Sands Area

App 6410W 21 Apr 2020  
Cona Resources Ltd.  
Cold Lake Oil Sands Area

**COMMERCIAL OIL SANDS  
SCHEMES (cont'd)**

App 6726 5 May 1993

App 6726Q 18 Sep 2014  
Canadian Natural Resources Limited  
Cold Lake Oil Sands Area

App 7550B 21 Feb 1996  
Syncrude Canada Ltd.  
Mildred Lake  
Expires 31 Dec 2025

App 8143 21 May 1997

App 8143FF 28 Mar 2019  
Canadian Natural Upgrading Limited  
Peace River Oil Sands Area

App 8177B 25 Mar 2013  
Devon Canada Corporation  
Cold Lake Oil Sands Area

App 8512 28 Jun 1999  
App 8512A 2 Mar 2000  
App 8512B 1 May 2007  
App 8512C 12 May 2009

App 8512G 12 Dec 2013  
Shell Canada Limited  
Athabasca Oil Sands Area

App 8535L 7 June 2013  
Suncor Energy Inc.  
Athabasca Wabiskaw-McMurray

App 8546A 11 Feb 2002  
Williams Energy (Canada) Inc.  
Athabasca Area

**COMMERCIAL OIL SANDS  
SCHEMES (cont'd)**

App 8250D 15 Dec 2003  
Syncrude Canada Ltd.  
Athabasca Wabiskaw-McMurray

App 8522 5 Aug 1999

App 8522A 18 Apr 2005

App 8522B 3 Nov 2006

App 8522C 26 Nov 2008

App 8522D 7 Aug 2012  
Shell Canada Limited

App 8558 26 Nov 1999

App 8558TT 16 Jan 2020  
Imperial Oil Resources Limited  
Cold Lake Oil Sands Area  
Expires 31 Dec 2035

App 8573M 7 June 2013  
Syncrude Canada Ltd.  
Athabasca Oil Sands Area

App 8591OOO 7 May 2020  
Cenovus Energy Inc.  
Athabasca Oil Sands  
Expires 31 Dec 2035

App 8623FFFF 24 Apr 2020  
Cenovus Energy Inc.  
Foster Creek Phase ID / IE  
Athabasca Oil Sands  
Expires 31 Dec 2035

**COMMERCIAL OIL SANDS  
SCHEMES (cont'd)**

App 8668 28 Sep 2000

App 8668EEE 13 Jan 2020  
Suncor Energy Inc.  
Athabasca Oil Sands Area  
Expires December 31, 2027

App 8788 24 May 2001

App 8788P 7 Jun 2019  
Greenfire Hangingstone Operating  
Corporation  
Athabasca Oil Sands Area

App 8870J 18 Feb 2009

App 8870KKKK 12 Mar 2020  
Suncor Energy Inc.  
Athabasca Oil Sands Area

App 9044E 13 Aug 2007

App 9044N 11 Jul 2017  
Suncor Energy Inc.  
Athabasca Area

App 9140 16 Aug 2002  
App 9140VV 27 Feb 2020

App 9140WW 7 Apr 2020  
Canadian Natural Resources Limited  
Cold Lake Oil Sands Area  
Expires 31 Dec 2027

App 9241E 21 Jan 2013  
Fort Hills Energy Corporation  
Athabasca Oil Sands Area

**COMMERCIAL OIL SANDS  
SCHEMES (cont'd)**

App 9272 24 Jan 2003

App 9272F 13 Nov 2018  
Canadian Natural Resources Limited  
Athabasca Area

App 9424B 14 Jan 2015  
Suncor Energy Inc.  
Athabasca Oil Sands

App 9426C 28 Nov 2008

App 9426UU 20 Mar 2020  
ConocoPhillips Canada Resources Corp.  
Athabasca Oil Sands Area

App 9460D 7 Sept 2011  
ConocoPhillips Canada Resources Corp.  
Athabasca Oil Sands  
Expires 31 Jul 2019

App 9485F 25 Feb 2009

App 9485CCC 22 Nov 2019  
CNOOC Petroleum North America ULC  
Athabasca Oil Sands Area

App 9752H 1 Aug 2019  
Canadian Natural Resources Limited  
Athabasca Oil Sands Area

App 9756E 3 Dec 2013  
Shell Canada Limited  
Athabasca Oil Sands Area

App 9835 18 May 2004

**COMMERCIAL OIL SANDS  
SCHEMES (cont'd)**

App 9835X 22 Jan 2020  
Husky Oil Operations Limited  
Cold Lake Oil Sands Area  
FOR SUBSURFACE DISPOSAL  
APPROVALS see also:  
Beaver Crossing Field  
Cold Lake Field & Area  
Daphne Area  
Ethel Lake Field & Area  
Gambler Field & Area  
Marguerite Area  
Muriel Lake Field  
Wabasca Area  
Brintnell Area

App 10097 18 Nov 2004

App 10097FFF 13 Dec 2019  
Canadian Natural Resources Limited  
Athabasca Oil Sands Area

App 10103D 25 Feb 2009

App 10103Y 3 Feb 2020  
Osum Production Corp.  
Cold Lake Oil Sands Area

App 10159 1 Feb 2005

App 10159A 25 Jan 2006  
MEG Energy Corp.  
Athabasca Oil Sands Area

App 10330B 8 May 2018  
Value Creation Inc.

App 10419A 13 Jan 2009

**COMMERCIAL OIL SANDS  
SCHEMES (cont'd)**

App 10419FF 8 Apr 2020  
Husky Oil Operations Limited  
Athabasca Oil Sands Area

App 10587 31 Jul 2006

App 10587S 8 Feb 2016  
Connacher Oil and Gas Limited  
Athabasca Oil Sands Area

App 10773B 21 Apr 2009

App 10773CCC  
MEG Energy Corp.  
Athabasca Oil Sands Area

App 10781G 7 June 2013  
Syncrude Canada Ltd.  
Athabasca Wabiskaw-McMurray

App 10829L 19 Dec 2019  
Imperial Oil Resources Ventures Limited  
Athabasca Oil Sands Area

App 10935B 25 Feb 2009

App 10935AA7 May 2020  
Athabasca Oil Corporation  
Athabasca Oil Sands Area

App 10999 23 Aug 2007  
Synenco Energy Inc.  
Athabasca Oil Sands Area

App 11034L 3 Feb 2015  
Peace River Oil Sands Area  
Baytex Energy Ltd.

**COMMERCIAL OIL SANDS  
SCHEMES (cont'd)**

App 11107A 4 Mar 2008  
UTS Energy Corporation  
Athabasca Oil Sands Area

App 11172 20 Mar 2008  
Suncor Energy Inc.

App 11212 17 Jul 2008

App 11229 4 Sep 2008

App 11229C 17 Nov 2011  
Athabasca Oil Sands Area  
Devon NEC Corporation

App 11253 13 Nov 2008

App 11253E 25 Sep 2012  
Athabasca Oil Sands Area  
Connacher Oil and Gas Limited

App 11283 6 May 2011  
Total E&P Canada Ltd.  
Athabasca Oil Sands Area

App 11387 3 Feb 2010

App 11387G 15 Jun 2018  
Athabasca Oil Sands  
Harvest Operations Corp.

App 11391 10 Feb 2010

App 11391B 5 Dec 2011  
Athabasca Oil Sands  
MacKay Operating Corp.

**COMMERCIAL OIL SANDS  
SCHEMES (cont'd)**

App 11393 23 Mar 2010

App 11461 25 Oct 2010

App 11461I 1 Aug 2019  
Athabasca Oil Sands Area  
Everest Canadian Resources Corp.

App 11469D 7 Nov 2017  
Athabasca Oil Sands Area  
Cenovus Energy Inc.  
Expires December 31, 2020

App 11472 22 Sep 2010

App 11472C 1 May 2014  
Athabasca Oil Sands Area  
Canadian Natural Resources Limited

App 11475 22 Sep 2010

App 11475II 20 Nov 2019  
Athabasca Oil Sands Area  
Canadian Natural Resources Limited

App 11494 5 Oct 2010  
Athabasca Oil Sands Area  
Husky Oil Operations Limited

App 11498 14 Oct 2010  
Peace River Oil Sands Area  
Northern Alberta Oil Ltd.

App 11509K 18 Apr 2019  
Athabasca Oil Sands Area  
Canadian Natural Resources Limited

**COMMERCIAL OIL SANDS  
SCHEMES (cont'd)**

App 11522H 3 Sep 2019  
Ipc Canada Ltd.  
Athabasca Oil Sands Area

App 11539 20 Dec 2010

App 11539D 9 Feb 2017  
Athabasca Oil Sands Area  
Athabasca Oil Corporation  
Peace River Oil Sands Area  
Baytex Energy Ltd.

App 11688D 21 May 2015  
Grizzly Oil Sands ULC  
Athabasca Oil Sands Area

App 11715 21 Dec 2011

App 11715R 3 Apr 2020  
Athabasca Oil Sands Area  
Petrochina Canada Ltd.

App 11778D 6 Feb 2017  
Peace River Oil Sands Area  
Baytex Energy Ltd.

App 11798 30 May 2012

App 11798G 30 Oct 2019  
Athabasca Oil Sands Area  
Cenovus Energy Inc.

App 11888 10 Oct 2012

App 11888E 16 Nov 2016  
Athabasca Oil Sands Area  
Athabasca Oil Corporation

**COMMERCIAL OIL SANDS  
SCHEMES (cont'd)**

App 11889 30 Oct 2012

App 11889B 7 Aug 2014  
Cold Lake Oil Sands Area  
Osum Production Corp.

App 11910 29 Nov 2012

App 11910E 12 Nov 2019  
Athabasca Oil Sands Area  
Japan Canada Oil Sands Limited

App 12087 15 July 2013

App 12087B 18 Apr 2019  
Athabasca Oil Sands Area  
Canadian Natural Resources Limited

App 12122 24 Mar 2014

App 12122C 7 Jun 2018  
Athabasca Oil Sands Area  
Brion Energy Corporation

App 12138B 16 Mar 2018  
Athabasca Oil Sands Area  
Value Creation Inc.

App 12190A 13 Nov 2014

App 12190B 7 Nov 2017  
Athabasca Oil Sands Area  
Cenovus Energy Inc.

App 12257A 26 Apr 2017  
Athabasca Oil Sands Area  
1435008 Alberta Ltd.

**COMMERCIAL OIL SANDS  
SCHEMES (cont'd)**

App 12301C 9 Aug 2019  
Athabasca Oil Sands Area  
Canadian Natural Resources Limited

App 12421A 12 Feb 2019  
Athabasca Oil Sands Area  
Surmont Energy Ltd.

App 12491A 10 Oct 2019  
Athabasca Oil Sands Area  
Ipc Canada Ltd.

App 12540 15 Dec 2017  
Peace River Oil Sands Area  
Andora Energy Corporation

App 12680 1 Jun 2018  
Athabasca Oil Sands Area  
PTTEP Canada Limited

App 12806 1 Nov 2018

App 12806D 3 May 2019  
Athabasca Oil Sands Area  
Imperial Oil Resources Limited

App 12824 11 Sep 2019  
Athabasca Oil Sands Area  
MEG Energy Corp.

App 12665 6 Dec 2019  
Athabasca Oil Sands Area  
Grizzly Oil Sands ULC

**GAS BITUMEN**

GB 1            16 Jan 1979  
Gas production Pelican NE

GB 2            9 Feb 1979  
Gas production  
Pelican NW Area

GB 3            16 Mar 1979  
GB 3A          17 May 1979  
GB 3B          14 Apr 1980  
GB 3C          18 Jun 1980  
GB 3D          24 Nov 1982  
Gas production Algar SW

GB 4            1 Apr 1979  
Gas production Pelican SE

GB 5            28 Mar 1979  
Gas production Winagami NW

GB 6            19 Apr 1979  
GB 6A          14 Apr 1980  
GB 6B          24 Nov 1982  
Gas production Algar Lake SEGB

GB 7            19 Apr 1979  
GB 7A          26 Jun 1979  
GB 7B          14 Mar 1980  
GB 7C          24 Jul 1980  
Gas production Sand River SE

GB 8            8 May 1979  
GB 8A          26 Jun 1979  
GB 8B          11 Feb 1981  
GB 8C          10 Nov 1982  
Gas production Sand River SW

**GAS BITUMEN (cont'd)**

GB 9            8 May 1979  
GB 9A          26 Jun 1979  
Gas production Wainwright NW

GB 10          8 May 1979  
Gas production Wainwright NE

GB 11          8 May 1979  
Gas production Peace River SE

GB 12          14 Apr 1980  
Gas production Algar Lake NW

GB 13          4 Sep 1981  
Gas production Sand River NE

App 11781  
Penn West Petroleum Ltd.  
Peace River Oil Sands Area

**PRIMARY RECOVERY SCHEMES**

App 5692      6 Jun 1988

App 5692A    24 Aug 1990

App 5692B    14 Jun 1996

App 5692C    13 Sep 2002

App 5692D    27 Feb 2003  
Canadian Natural Resources Limited  
Lindbergh Sector

App 6280I     6 Mar 2017  
Canadian Natural Resources Limited  
Frog Lake Sector

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

App 6292A 16 Nov 1990

App 6292B 24 Apr 1991

App 6292C 27 Jul 1992

App 6292D 25 Nov 1992

App 6292E 15 Jun 1993

App 6292F 14 Mar 1995

App 6292G 27 Jun 1995

App 6292H 16 Sep 1996

App 6292I 16 Apr 1997

App 6292J 23 Oct 2002

App 9340E 28 May 2019  
Canadian Natural Resources Limited  
Cold Lake Oil Sands Area

App 6619W 4 Jun 2008

App 6619AA 30 Sept 2011  
Canadian Natural Resources Limited  
Athabasca Oil Sands Area

App 6723 16 Mar 1992

App 6726 5 May 1993

App 6726S 17 May 2016  
Canadian Natural Resources Limited  
Cold Lake Area

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

App 6764 27 Feb 1992

App 6764A 28 Jul 1997

App 6764B 13 Sep 2002

App 6764C 27 Feb 2003

App 6764D 16 Sep 2003  
Canadian Natural Resources Limited  
Lindbergh Sector

App 6984 21 Oct 1992

App 7055A 19 May 1993

App 7055B 11 Dec 1995

App 7055C 14 Jul 2000

App 7055D 30 Mar 2001  
Canadian Natural Resources Limited  
Lindbergh Sector

App 7118H 9 Dec 2011  
Canadian Natural Resources Limited  
Lindbergh Sector

App 7164Q 6 Nov 2017  
West Lake Energy Corp.  
Cold Lake Oil Sands Area

App 7303D 2 Dec 2013  
Canadian Natural Resources Limited  
Lindbergh Sector

App 7389 2 Dec 1993



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

App 7389A 11 Dec 1995

App 7389B 5 Aug 1997

App 7389C 14 Jul 2000

App 7389D 30 Mar 2001  
Canadian Natural Resources Limited  
Lindbergh Sector

App 7515E 2 Jun 2014  
Gear Energy Ltd.  
Cold Lake Oil Sands Area

App 7885 23 Jan 1996

App 7885A 26 Feb 2003  
EnCana Corporation  
Brintnell Area

App 7920A 26 Aug 1997

App 7920O 3 Sep 2019  
Ipc Canada Ltd.  
Cold Lake Oil Sands

App 7936RR 11 Feb 2020  
Cold Lake Oil Sands  
Canadian Natural Resources Limited

App 7990P 10 Dec 2014  
Husky Oil Operations Ltd.  
Cold Lake Oil Sands Area

App 8002 22 Aug 1996

App 8002A 15 Aug 1997

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

App 8002B 14 Nov 1997

App 8002C 14 Jul 2000

App 8002D 27 Oct 2000

App 8002E 30 Mar 2001  
Canadian Natural Resources Limited  
Beaverdam Sector

App 8017 25 Sep 1996

App 8017A 26 May 1997

App 8017B 19 Nov 1998

App 8017C 10 Jul 2000

App 8017D 12 Jul 2000  
Canadian Natural Resources Limited  
Lindbergh Sector

App 8018 25 Sep 1996

App 8018F 12 Aug 2019  
Frog Lake Sector  
Canadian Natural Resources Limited

App 8035C 27 May 2019  
Lindbergh Sector  
Canadian Natural Resources Limited

App 8041 30 Sep 1996

App 8041A 13 Sep 2002

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

App 8041B 20 Feb 2003  
Canadian Natural Resources Limited  
St. Paul Sector

App 8042N 31 Jan 2019  
Canadian Natural Resources Limited  
Cold Lake Sector

App 8043A 23 May 2000

App 8043C 22 July 2013  
Canadian Natural Resources Limited  
Cold Lake Sector

App 8058 25 Nov 1996

App 8058A 5 Jul 2002

App 8058B 10 Jun 2004  
EnCana Oil & Gas Co. Ltd.  
Fisher Area

App 8066 25 Nov 1996

App 8066A 17 Aug 2004  
Canadian Natural Resources Limited  
Bonnyville

App 8069B 31 Aug 2004

App 8069F 5 Jul 2010  
Canadian Natural Resources Limited  
Lindbergh Sector

App 8085 19 Dec 1996

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

App 8085B 9 Aug 2019  
Canadian Natural Resources Limited  
Wabasca Area

App 8087A 24 Nov 2010  
Canadian Natural Resources Limited  
Lindbergh Sector

App 8161 17 Jun 1997

App 8161A 13 May 2004

App 8161B 3 Jun 2004

App 8161C 7 Mar 2006

App 8161D 29 Jan 2007  
Canadian Natural Resources Limited  
Frog Lake Sector

App 8162 16 Oct 1997

App 8162M 16 Feb 2018  
Canadian Natural Resources Limited  
Cold Lake Oil Sands Area

App 8174 18 Jul 1997

App 8174A 14 Jul 2000

App 8174B 30 Mar 2001  
Canadian Natural Resources Limited  
Bonnyville Sector

App 8179D 17 Oct 2016  
Canadian Natural Resources Limited  
Beaverdam Sector

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

App 8180 18 Jul 1997

App 8180A 14 Jul 2000

App 8180B 30 Mar 2001  
Canadian Natural Resources Limited  
Cold Lake/Beaverdam Sectors

App 8202 17 Sep 1997

App 8202C 9 Aug 2019  
Canadian Natural Resources Limited  
Frog Lake Sector

App 8207 10 Oct 1997

App 8207A 14 Jul 2000

App 8207B 30 Mar 2001  
Canadian Natural Resources Limited  
Cold Lake Sector

App 8215E 28 Mar 2019  
Canadian Natural Resources Limited  
Cold Lake Oil Sands Area

App 8304B 30 Apr 2014  
Devon Canada Corporation  
Panny Area

App 8319 8 Apr 1998  
Canadian Natural Resources Limited  
Bonnyville/Wolf Lake Sectors

App 8341 22 Jul 1998

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

App 8341E 23 Dec 2015  
Kasten Energy Inc.  
Cold Lake Oil Sands Area

App 8536 1 Sep 1999

App 8536A 25 Feb 2009  
Canadian Natural Resources Limited  
Bonnyville Sector

App 8566A 2 Oct 2014  
Predator Corporation Ltd.  
Beaverdam Sector

App 8567 30 Nov 1999

App 8567A 10 Aug 2001  
Crispin Energy Inc.  
Mann Lake Sector

App 8584 21 Dec 1999

App 8584A 30 Aug 2002

App 8584B 24 Apr 2003  
ConocoPhillips Canada Resources Corp.  
Saleski Area

App 8611 11 Apr 2000

App 8611B 9 Aug 2019  
Canadian Natural Resources Limited  
Frog Lake Sector

App 8636B 14 Mar 2012  
Gear Energy Ltd.  
Cold Lake Oil Sands Area

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

App 8642F 22 July 2009  
Blackrock Ventures Inc.  
Woodenhouse Area

App 8655 13 Jul 2000

App 8655A 14 Feb 2001

App 8655B 11 Feb 2002  
Husky Oil Operations Ltd.  
Frog Lake Sector

App 8756F 21 Aug 2018  
Husky Oil Operations Ltd.  
Athabasca Oil Sands Area

App 8845 15 Aug 2001

App 8845B 8 Feb 2013  
Harvest Operations Corp.  
Cold Lake Oil Sands Area

App 8908S 1 Oct 2019  
Canadian Natural Resources Limited  
Cold Lake Area Oil Sands Area

App 8972H 30 Jan 2018  
Baytex Energy Ltd.  
Peace River Oil Sands Area

App 8993 27 Feb 2002

App 8993E 3 May 2019  
Canadian Natural Resources Limited  
Athabasca Oil Sands Area

App 9006 5 Mar 2002

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

App 9006B 22 Oct 2009  
Canadian Natural Resources Limited  
Cold Lake Oil Sands Area

App 9148C 13 Mar 2020  
Canadian Natural Resources Limited  
Cold Lake Oil Sands Area

App 9266 20 Dec 2002

App 9266A 27 Aug 2003

App 9266B 6 Nov 2006  
Harvest Operations  
Lindbergh Sector

App 9278 24 Feb 2003

App 9278P 29 Aug 2019  
Baytex Energy Ltd.  
Cold Lake Oil Sands Area

App 9349 14 Apr 2003

App 9349D 16 Jan 2017  
Canadian Natural Resources Limited  
Cold Lake Oil Sands Area

App 9387 22 May 2003

App 9387R 28 May 2020  
Canadian Natural Resources Limited  
Cold lake Oil Sands Area

App 9403H 7 Nov 2017  
Brintnell Area  
Cenovus Energy Inc.

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

App 9404F 4 Jun 2009

App 9404X 7 Nov 2017  
Cenovus Energy Inc.  
Athabasca Oil Sands Area

App 9415I 11 Mar 2009

App 9415HH 23 Jul 2019  
Canadian Natural Resources Limited  
Elk Point/Frog Lake/  
Cold Lake Oil Sands Area

App 9427F 19 Oct 2016  
Gear Energy Ltd.  
Cold Lake Oil Sands Area

App 9473D 19 Jun 2014  
Canadian Natural Resources Limited  
Cold Lake Oil Sands Area

App 9466I 25 Feb 2009

App 9466R 19 Feb 2014  
Athabasca Oil Sands  
Canadian Natural Resources Limited  
Husky Oil Operations Limited  
Cold Lake Oil Sands Area

App 9571 11 Sep 2003

App 9571A 11 Feb 2004  
Murphy Oil Company Ltd.  
Peace River Oil Sands Area

App 9579 26 Sep 2003

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

App 9579D 18 July 2013  
Baytex Energy Ltd.  
Cold Lake Oil Sands Area

App 9607B 26 Jul 2004

App 9607F 21 Nov 2017  
Obsidian Energy Ltd.  
Peace River Oil Sands Area

App 9631 17 Oct 2003

App 9631C 21 Mar 2014  
Devon Canada Corporation  
Cold Lake Oil Sands Area

App 9698 9 Dec 2003

App 9698A 11 Mar 2004  
Atlas Energy Ltd.  
Athabasca Oil Sands

App 9727 24 Feb 2004

App 9727A 27 Mar 2006

App 9774C 23 Jan 2008

App 9774D 13 May 2009

App 9774F 11 Mar 2019  
Crescent Point Energy Corp.  
Athabasca Oil Sands Area

App 9811B 2 Feb 2011  
Baytex Energy Ltd.  
Peace River Oil Sands Area

App 9821 18 May 2004

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

Aoo 9821D 9 Aug 2019  
Canadian Natural Resources Limited  
Cold Lake Oil Sands Area

App 9827K 2 Jun 2016  
Frog Lake Energy Resources Corp.  
Cold Lake Oil Sands Area

App 9873 25 Jun 2004

App 9873E 10 Sep 2014  
Husky Oil Operations Limited  
Cold Lake Oil Sands Area

App 9884 26 Jul 2004

App 9884F 14 Jan 2013  
Canadian Natural Resources Limited  
Athabasca Oil Sands Area

App 9908 17 Aug 2004

App 9908J 28 May 2020  
Baytex Energy Ltd.  
Cold Lake Oil Sands Area

App 10052 16 Sep 2004  
Baytex Energy Ltd.  
Peace River Oil Sands Area

App 10070F 13 May 2008

App 10070J 23 Jun 2016  
Baytex Energy Ltd  
Peace River Oil Sands Area

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

App 10147B 25 Jan 2006  
Canadian Natural Resources Limited  
Wabiskaw Athabasca Oil Sands

App 10154F 13 Jul 2015  
Canadian Natural Resources Limited  
Cold Lake Oil Sands Area

App 10174B 28 Nov 2006

App 10174E 2 Oct 2017  
Obsidian Energy Ltd.  
Peace River Oil Sands Area

App 10290A 12 June 2012  
Murphy Oil Company Ltd.  
Peace River Oil Sands Area  
App 10310 8 Jun 2005

App 10310C 9 Aug 2019  
Devon Canada Corporation  
Cold Lake Oil Sands Area

App 10329 13 Sep 2005

App 10329J 30 Jan 2018  
Baytex Energy Ltd.  
Peace River Oil Sands Area

App 10391 8 Dec 2005

App 10412A 8 Sep 2006

App 10412D 29 May 2014  
Husky Oil Operations Limited  
Bluesky Peace River Oil Sands

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

App 10423B 25 Feb 2009

App 10423Y 21 Nov 2018  
Canadian Natural Resources Limited  
Athabasca Oil Sands Area

App 10454 31 Jan 2006  
Canadian Natural Resources Limited  
Beaverdam Sector Cold lake

App 10471 15 Mar 2006  
Canadian Natural Resources Limited  
Beaverdam Sector Cold lake

App 10518I 4 Dec 2018  
Canadian Natural Resources Limited  
Cold Lake Oil Sands Area

App 10532G 23 Feb 2017  
Baytex Energy Ltd.  
Pekisko Peace River

App 10557B 22 Feb 2007

App 10557J 30 May 2017  
Canadian Natural Upgrading Limited  
Bluesky-Gething Peace River Oil Sands

App 10597 15 Aug 2006

App 10597C 26 Jan 2015  
Husky Oil Operations Limited  
Cold Lake Oil Sands Area

App 10619A 6 Oct 2006

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

App 10619K 26 Jan 2015  
Husky Oil Operations Limited  
Upper Grand Rapids, Lower Grand Rapids,  
Clearwater, Wabiskaw-McMurray Deposits  
Cold Lake Oil Sands

App 10631B 10 Sep 2014  
Crew Energy Inc.  
Mannville Deposits Cold Lake Oil Sands

App 10647G 2 Oct 2017  
Obsidian Energy Ltd.  
Peace River - Bluesky

App 10716 8 Nov 2006  
Penn West Energy Trust  
Peace River - Belloy Formation

App 10725 20 Nov 2006  
Canadian Natural Resources Limited  
Upper & Lower Grand  
Rapids, Clearwater, Wab-Mc deposits in the  
Lindbergh sector  
Cold Lake Oil Sands Area

App 10737 30 Nov 2006

App 10737A 15 Feb 2007  
Cyries Energy  
Peace River - Bluesky

App 10745D 2 Oct 2017  
Obsidian Energy Ltd.  
Peace River - Bluesky

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

App 10746C 17 Jan 2010  
Shell Canada  
Peace River - Bluesky

App 10780D 2 Oct 2017  
Obsidian Energy Ltd.  
Peace River - Bluesky

App 10812B 21 Oct 2013  
Husky Oil Operations Limited  
Cold Lake Oil Sands Area - Lindbergh

App 10828E 9 Aug 2019  
Canadian Natural Resources Limited  
Cold Lake Oil Sands Area

App 10853C 7 Apr 2015  
Gear Energy Ltd.  
Cold Lake Oil Sands Area

App 10863 2 May 2007  
Husky Oil Operations Limited  
Cold Lake Oil Sands Area

App 10882 22 May 2007  
Canadian Natural Resources Limited  
Cold Lake Oil Sands Area

App 10915C 6 Feb 2017  
Baytex Energy Ltd.  
Peace River Oil Sands Area

App 11016 23 Oct 2007

App 11016A 27 Aug 2009  
Canadian Natural Resources Limited  
Cold Lake Oil Sands

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

App 11018B 10 Oct 2019  
Frog Lake Sector, Cold Lake Oil Sands  
Ipc Canada Ltd.

App 11041 9 November 2007

App 11041E 17 Jul 2014  
Husky Oil Operations Limited  
Cold Lake Oil Sands

App 11060K 5 Oct 2017  
Obsidian Energy Ltd.  
Peace River Oil Sands Area

App 11099A 6 Dec 2011  
Penn West Petroleum Ltd.  
Peace River Oil Sands Area

App 11164 20 Mar 2008  
Canadian Coastal Resources Ltd.  
Athabasca Oil Sands Area

App 11165 20 Mar 2008  
Canadian Coastal Resources Ltd.  
Athabasca Oil Sands Area

App 11166 20 Mar 2008  
Canadian Coastal Resources Ltd.  
Athabasca Oil Sands Area

App 11188 4 Jun 2008

App 11188B 21 Feb 2012  
Canadian Natural Resources Limited  
Cold Lake Oil Sands



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

App 11191C 25 Sep 2019  
West Lake Energy Corp.  
Cold Lake Oil Sands

App 11192 4 Jun 2008  
Husky Oil Operations Limited  
Cold Lake Oil Sands

App 11205 27 May 2008  
Husky Oil Operations Limited  
Cold Lake Oil Sands

App 11220A 1 Aug 2019  
Cavalier Energy Inc.  
Peace River Oil Sands Area

App 11227D 4 Jun 2014  
Canadian Natural Resources Limited  
Cold Lake Oil Sands

App 11246C 23 Feb 2015  
Husky Oil Operations Limited  
Cold Lake Oil Sands

App 11256 15 Dec 2008

App 11256I 29 Nov 2017  
West Lake Energy Corp.  
Cold Lake Oil Sands Area

App 11257D 14 Dec 2012  
Baytex Energy Ltd.  
Peace River Oil Sands Area

App 11275 18 Dec 2008  
Husky Oil Operations Limited  
Cold Lake Oil Sands Area

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

App 11287A 5 July 2011  
Husky Oil Operations Limited  
Cold Lake Oil Sands

App 12229A 31 May 2017  
Cold Lake Oil Sands Area  
Check Energy Ltd.

App 11306C 6 Feb 2017  
Baytex Energy Ltd.  
Peace River Oil Sands Area

App 11307A 13 Jan 2010  
Canadian Natural Resources Limited  
Athabasca Oil Sands Area

App 11327A 27 Nov 2013  
Baytex Energy Ltd.  
Peace River Oil Sands Area

App 11349 16 Jul 2009  
Canadian Natural Resources Limited  
Peace River Oil Sands Area

App 11350 16 Jul 2009  
Husky Oil Operations Limited  
Cold Lake Oil Sands

App 11362 9 Oct 2009  
Husky Oil Operations Limited  
Cold Lake Oil Sands

App 11363B 18 Sep 2014  
BlackPearl Resources Inc.  
Cold Lake Oil Sands

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

App 11364D 3 Sep 2019  
Ipc Canada Ltd.  
Cold Lake Oil Sands

App 11372A 25 Oct 2010  
Laricina Energy Ltd.  
Athabasca Oil Sands Area

App 11382F 2 May 2018  
Sunshine Oilsands Ltd  
Athabasca Oil Sands Area

App 11383A 17 Mar 2016  
Canadian Natural Resources Limited  
Cold Lake Oil Sands

App 11416 7 May 2010  
Husky Oil Operations Limited  
Cold Lake Oil Sands

App 11428 18 May 2010

App 11428D 3 Jul 2014  
Canadian Natural Resources Limited  
Cold Lake Oil Sands

App 11429A 22 Jan 2011  
Solara Exploration Ltd.  
Cold Lake Oil Sands

App 11437A 5 Feb 2013  
Baytex Energy Ltd.  
Peace River Oil Sands Area

App 11450 8 Jul 2010  
Husky Oil Operations Limited  
Cold Lake Oil Sands Area

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

App 11477P 11 Feb 2020  
Canadian Natural Resources Limited  
Cold Lake Oil Sands Area

App 11480B 23 Oct 2019  
Canadian Natural Resources Limited  
Athabasca Oil Sands Area

App 11481 18 Jul 2010  
Canadian Natural Resources Limited  
Cold Lake Oil Sands

App 11501 26 Aug 2010  
Husky Oil Operations Limited  
Athabasca Oil Sands Area

App 11503A 5 July 2011  
Canadian Natural Resources Limited  
Cold Lake Oil Sands Area

App 11535 24 Nov 2010  
Rife Resources Ltd.  
Cold Lake Oil Sands Area

App 11538 21 Jan 2011  
Cold Lake Oil Sands Area  
Canadian Natural Resources Limited

App 11545 8 Dec 2010  
Cold Lake Oil Sands Area  
Bellatrix Exploration Ltd.

App 11556A 30 May 2017  
Peace River Oil Sands Area  
Canadian Natural Upgrading Limited

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

App 11557A 30 May 2017  
Peace River Oil Sands Area  
Canadian Natural Upgrading Limited

App 11566 21 Jan 2011  
Cold Lake Oil Sands Area  
Canadian Natural Resources Limited

App 11567A 1 Dec 2017  
Cold Lake Oil Sands Area  
Canadian Natural Resources Limited

App 11568 21 Jan 2011  
Cenovus Energy Inc.  
Cold Lake Oil Sands Area

App 11569A 1 Dec 2017  
Canadian Natural Resources Limited  
Cold Lake Oil Sands Area

App 11573A 11 Aug 2014  
Peace River Oil Sands Area  
Perpetual Energy Operating Corp.

App 11574A 9 Dec 2011  
Cold Lake Oil Sands Area  
Canadian Natural Resources Limited

App 11577 2 Feb 2011  
Peace River Oil Sands Area  
Baytex Energy Ltd.

App 11592C 31 Mar 2017  
Athabasca Oil Sands Area  
Spur Petroleum Ltd.

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

App 11631B 30 Oct 2012  
Cold Lake Oil Sands  
Cenovus Energy Inc.

App 11634E 17 Dec 2019  
Cold Lake Oil Sands  
Canadian Natural Resources Limited

App 11676 3 Apr 2012  
Canadian Natural Resources Limited  
Athabasca Oil Sands Area

App 11692 12 June 2012

App 11692D 29 Jan 2018  
Baytex Energy Ltd.  
Bluesky-Gething Peace River Oil Sands

App 11693B 8 Dec 2014  
Murphy Oil Company Ltd.  
Bluesky-Gething Peace River Oil Sands

App 11703B 22 Aug 2019  
Class II disposal  
Ipc Canada Ltd.

App 11720 9 Dec 2011  
Cold Lake Oil Sands  
Canadian Natural Resources Limited

App 11721 9 Dec 2011  
Cold Lake Oil Sands  
Canadian Natural Resources Limited

App 11722 9 Dec 2011  
Cold Lake Oil Sands  
Canadian Natural Resources Limited

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

App 11723 9 Dec 2011  
Cold Lake Oil Sands  
Canadian Natural Resources Limited

App 11724 9 Dec 2011  
Cold Lake Oil Sands  
Canadian Natural Resources Limited

App 11725 9 Dec 2011  
Cold Lake Oil Sands  
Canadian Natural Resources Limited

App 11726A 1 Dec 2017  
Cold Lake Oil Sands Area  
Canadian Natural Resources Limited

App 11727A 1 Dec 2017  
Cold Lake Oil Sands Area  
Canadian Natural Resources Limited

App 11728A 1 Dec 2017  
Cold Lake Oil Sands Area  
Canadian Natural Resources Limited

App 11729A 1 Dec 2017  
Cold Lake Oil Sands Area  
Canadian Natural Resources Limited

App 11730A 1 Dec 2017  
Athabasca Oil Sands Area  
Canadian Natural Resources Limited

App 11744 9 Dec 2011  
Cold Lake Oil Sands  
Cenovus Energy Inc.

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

App 11745 9 Dec 2011  
Cold Lake Oil Sands  
Canadian Natural Resources Limited

App 11751A 5 Feb 2014  
Cold Lake Oil Sands  
Canadian Natural Resources Limited

App 11770C 6 Feb 2017  
Peace River Oil Sands Area  
Baytex Energy Ltd.

App 11779 3 Feb 2012  
Athabasca Oil Sands Area  
Perpetual Energy Inc.

App 11822 26 Apr 2012  
Husky Oil Operations Limited  
Cold Lake Oil Sands  
App 11885 20 Sep 2012

App 11885B 2 June 2014  
Gear Energy Ltd  
Cold Lake Oil Sands Area

App 11893 15 Aug 2012  
Perpetual Energy Operating Corp.  
Cold Lake Oil Sands Area

App 11915 24 Jul 2014  
Peace River Oil Sands Area  
Baytex Energy Ltd.

App 11917C 7 Apr 2020  
Cold Lake Oil Sands Area  
Rife Resources Ltd.

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

App 11936A 8 Jan 2013  
Peace River Oil Sands Area  
Baytex Energy Ltd.

App 11945 25 Oct 2012  
Cold Lake Oil Sands Area  
Baytex Energy Ltd.

App 11965 7 Feb 2013

App 11965A 26 Jun 2014  
Athabasca Oil Sands Area  
Canadian Natural Resources Limited

App 12043A 22 Sep 2016  
Cold Lake Oil Sands Area  
Perpetual Operating Corp.

App 12052 23 July 2013  
Canadian Natural Resources Limited  
Athabasca Oil Sands Area  
Canadian Natural Resources Limited

App 12054C 3 Feb 2020  
Cold Lake Oil Sands Area  
West Lake Energy Corp.

App 12139 17 Sept 2013  
Harvest Operations Corp.  
Cold Lake Oil Sands Area

App 12142A 13 Mar 2018  
Husky Oil Operations Limited  
Cold Lake Oil Sands Area

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

App 12218P 12 Mar 2020  
Deltastream Energy Corporation  
Athabasca Oil Sands Area

App 12226 24 Feb 2014  
Canadian Natural Resources Limited  
Cold Lake Oil Sands Area

App 12294 7 Nov 2014  
Baytex Energy Ltd.  
Peace River Oil Sands Area

App 12318B 9 Aug 2019  
Cold Lake Oil Sands  
Canadian Natural Resources Limited

App 12321D 9 Aug 2019  
Cold Lake Oil Sands  
Canadian Natural Resources Limited

App 12335A 16 Jun 2017  
Cold Lake Oil Sands  
West Lake Energy Corp.

App 12411C 13 Jun 2019  
Cold Lake Oil Sands  
Rife Resources Ltd.

App 12471N 25 Sep 2019  
Athabasca Oil Sands Area  
Spur Petroleum Ltd.

App 12483A 20 Dec 2017  
Peace River Oil Sands Area  
Baytex Energy Ltd.

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

App 12541C 18 Jul 2018  
Athabasca Oil Sands Area  
Spur Petroleum Ltd.

App 12545F 23 Jul 2019  
Athabasca Oil Sands Area  
Spur Petroleum Ltd.

App 12564 4 Oct 2016  
Peace River Oil Sands Area  
Prosper Petroleum Ltd.

App 12572D 19 May 2020  
Athabasca Oil Sands Area  
Cenovus Energy Inc.

App 12581A 9 Aug 2019  
Cold Lake Oil Sands Area  
Canadian Natural Resources Limited

App 12642C 6 Mar 2020  
Athabasca Oil Sands Area  
Spur Petroleum Ltd.

App 12580 15 Dec 2017  
Athabasca Oil Sands Area  
Canadian Natural Resources Limited

App 12689A 1 Aug 2019  
Athabasca Oil Sands Area  
Cavalier Energy Inc.

App 12734A 1 Aug 2019  
Athabasca Oil Sands Area  
Cavalier Energy Inc.

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

App 12764 18 Jul 2018  
Athabasca Oil Sands Area  
Spur Petroleum Ltd.

App 12763 18 Jul 2018  
Athabasca Oil Sands Area  
Spur Petroleum Ltd.

App 12765 18 Jul 2018  
Athabasca Oil Sands Area  
Spur Petroleum Ltd.

App 12766A 8 Jul 2019  
Athabasca Oil Sands Area  
Spur Petroleum Ltd.

App 12767 18 Jul 2018  
Athabasca Oil Sands Area  
Spur Petroleum Ltd.

App 12762 18 Jul 2018  
Athabasca Oil Sands Area  
Spur Petroleum Ltd.

App 12761B 23 Aug 2019  
Athabasca Oil Sands Area  
Spur Petroleum Ltd.

App 122181 18 Jul 2018  
Athabasca Oil Sands Area  
Deltastream Energy Corporation

App 12784 20 Aug 2018  
Cold Lake Oil Sands Area  
Gear Energy Ltd.

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

App 12795 18 Sep 2018  
Cold Lake Oil Sands Area  
Husky Oil Operations Limited

App 12796 21 Sep 2018  
Cold Lake Oil Sands Area  
Husky Oil Operations Limited

App 12798 21 Sep 2018  
Cold Lake Oil Sands Area  
Husky Oil Operations Limited

App 12797 21 Sep 2018  
Cold Lake Oil Sands Area  
Husky Oil Operations Limited

App 12808 9 Oct 2018  
Athabasca Oil Sands Area  
Caltex Resources Ltd.

App 12816A 9 Aug 2019  
Cold Lake Oil Sands Area  
Canadian Natural Resources Limited

App 12829A 12 Feb 2019  
Peace River Oil Sands Area  
Summerland Energy Inc.

App 12848 13 Feb 2019  
Peace River Oil Sands Area  
Summerland Energy Inc.

App 12870 1 May 2019  
Cold Lake Oil Sands  
Husky Oil Operations Limited

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

App 12894B 18 Oct 2019  
Athabasca Oil Sands Area  
Turnstone Energy Inc.

App 12921A 12 Mar 2020  
Peace River Oil Sands Area  
Spur Petroleum Ltd.

App 12946 6 Nov 2019  
Athabasca Oil Sands Area  
Highwood Oil Company Ltd.

**CENTRAL PROCESSING FACILITY**

App 11619A 24 May 2013  
Cold Lake Oil Sands  
Broadview Energy Ltd.

App 11620A 5 Aug 2014  
Cold Lake Oil Sands  
Frog Lake Energy Resources Corp.

App 11622 26 Sept 2011  
Athabasca Oil Sands Area  
Trafina Energy Ltd.

App 11624 7 Sept 2011  
App 11624A 9 Dec 2011

App 11624I 20 Dec 2019  
Cold Lake Oil Sands  
Canadian Natural Resources Limited

App 11629C 1 Dec 2017  
Cold Lake Oil Sands  
Canadian Natural Resources Limited

**CENTRAL PROCESSING FACILITY**

**(cont'd)**

App 11630C 1 Dec 2017  
Cold Lake Oil Sands Area  
Canadian Natural Resources Limited

App 11633 7 Sept 2011  
Cold lake Oil Sands  
Cenovus Energy Inc.

App 11643 7 Sept 2011

App 11647F 28 Feb 2018  
Cold Lake Oil Sands  
Canadian Natural Resources Limited

App 11661A 25 Apr 2013  
Cold Lake Oil Sands Area  
Palliser Oil and Gas Corporation

App 8932C 15 Dec 2008  
Petromin Resources Ltd.  
Frog Lake Sector

App 12329D 28 Oct 2019  
Field Upgrading Limited



**FIELD DESIGNATION**

0666 2011-02-01 OKOTOKS FIELD

**POOL DESIGNATION**

0666 118801 2007-04-01 LOWER EDMONTON A  
0666 118802 2006-11-01 LOWER EDMONTON B  
0666 118804 2008-01-01 LOWER EDMONTON D  
0666 118805 2011-02-01 LOWER EDMONTON E  
0666 118809 2010-04-01 LOWER EDMONTON I  
0666 118813 2011-02-01 LOWER EDMONTON M  
0666 118816 2010-04-01 LOWER EDMONTON P  
0666 118817 2014-02-01 LOWER EDMONTON Q

0666 126003 2005-02-01 BELLY RIVER C  
0666 126008 2006-11-01 BELLY RIVER H

0666 134005 2006-11-01 BASAL BELLY RIVER E  
0666 134011 2011-01-01 BASAL BELLY RIVER K  
0666 134014 2010-04-01 BASAL BELLY RIVER N  
0666 134019 2010-11-01 BASAL BELLY RIVER S

0666 336001 2010-04-01 ELLERSLIE A  
0666 336002 2001-04-01 ELLERSLIE B

0666 344001 2005-07-01 CUTBANK A  
0666 344002 2004-11-01 CUTBANK B  
0666 344003 2010-07-01 CUTBANK C  
0666 344004 2006-01-01 CUTBANK D  
0666 344005 2006-03-01 CUTBANK E  
0666 344006 2007-06-01 CUTBANK F  
0666 344007 2010-08-01 CUTBANK G  
0666 344008 2011-05-01 CUTBANK H

0666 610001 2001-02-01 RUNDLE A  
0666 610002 2001-02-01 RUNDLE B  
0666 610003 2001-02-01 RUNDLE C

**POOL DESIGNATION (cont'd)**

0666 610004 2001-03-01	RUNDLE D
0666 610005 2002-02-01	RUNDLE E
0666 658001 2001-02-01	WABAMUN A
0666 658002 2012-03-01	WABAMUN B
0666 658003 2014-04-01	WABAMUN C
0666 658005 2005-03-01	WABAMUN E
0666 850600 2011-02-01	MFP8506 BELLY RIVER
0666 854300 2014-01-01	MFP8543 BSL BELLY RIV
0666 859500 2011-02-01	MFP8595 LWR EDMONTON

**SPACING PATTERN**

SU 2458	10 Jan 1996
SU 2458A	17 Oct 2001
SU 2458B	16 Jul 2004
SU 2458C	2 Apr 2005
SU 2458D	30 Aug 2005
SU 2458E	23 Nov 2005
SU 2458F	28 Nov 2005
SU 2458G	22 Feb 2006
SU 2458H	2 May 2007

**COMPULSORY POOLING**

P 248	6 Feb 2004
P 248A	31 Aug 2004
Gas	
31-019-28W4M	
Compton Petroleum Corp.	

**MISCELLANEOUS ORDERS**

MISC 8615 21 Oct 1986  
Emergency shutdown valve

**SUBSURFACE DISPOSAL SCHEMES**

App 8404D 28 Apr 2020  
Class Ib  
Long Term Asset Management Inc.

**FIELD DESIGNATION**

1195 2008-01-01            OLSON FIELD

**POOL DESIGNATION**

1195 176001 2011-09-01    CARDIUM A  
1195 176002 2011-09-01    CARDIUM B  
1195 176003 2011-10-01    CARDIUM C  
1195 176004 2011-10-01    CARDIUM D  
1195 176005 2011-10-01    CARDIUM E  
1195 176006 2012-02-01    CARDIUM F  
1195 176007 2012-03-01    CARDIUM G  
1195 176008 2012-03-01    CARDIUM H

1195 192001 2010-04-01    DUNVEGAN A  
1195 192002 2011-10-01    DUNVEGAN B  
1195 192003 2012-02-01    DUNVEGAN C

1195 218001 2010-04-01    VIKING A

1195 228001 2010-04-01    PEACE RIVER A

1195 264001 2012-03-01    SPIRIT RIVER A

1195 271501 2012-03-01    FALHER A

1195 304001 2010-04-01    BLUESKY A  
1195 304002 2012-03-01    BLUESKY B

1195 326001 2010-04-01    GETHING A  
1195 326002 2013-04-01    GETHING B

1195 348001 2010-04-01    CADOMIN A  
1195 348002 2010-04-01    CADOMIN B  
1195 348003 2012-03-01    CADOMIN C

**FIELD DESIGNATION**

0663 2013-07-01 OMEGA FIELD

**POOL DESIGNATION**

0663 218001 2011-07-01 VIKING A  
0663 218002 2014-02-01 VIKING B

0663 256002 2001-02-01 COLONY B  
0663 256003 2001-02-01 COLONY C  
0663 256004 2001-02-01 COLONY D  
0663 256005 2009-03-01 COLONY E  
0663 256006 2010-04-01 COLONY F  
0663 256007 2012-05-01 COLONY G  
0663 256008 2012-05-01 COLONY H  
0663 256009 2012-05-01 COLONY I  
0663 256010 2012-05-01 COLONY J  
0663 256011 2012-05-01 COLONY K  
0663 256012 2012-05-01 COLONY L

0663 268001 2016-01-01 MCLAREN A  
0663 268002 2011-03-01 MCLAREN B  
0663 268003 2011-09-01 MCLAREN C  
0663 268004 2014-10-01 MCLAREN D  
0663 268005 2013-11-01 MCLAREN E  
0663 268006 2016-10-01 MCLAREN F  
0663 268007 2016-10-01 MCLAREN G

0663 270001 2011-12-01 WASECA A  
0663 270002 2012-04-01 WASECA B

0663 276001 2010-07-01 SPARKY A  
0663 276003 2010-04-01 SPARKY C  
0663 276005 2001-02-01 SPARKY E  
0663 276007 2001-02-01 SPARKY G  
0663 276008 2009-12-01 SPARKY H  
0663 276011 2009-04-01 SPARKY K

**POOL DESIGNATION (cont'd)**

0663 276012 2012-05-01	SPARKY L
0663 276013 2012-05-01	SPARKY M
0663 276014 2013-03-01	SPARKY N
0663 286001 2001-02-01	GENERAL PETROLEUM A
0663 286002 2006-01-01	GENERAL PETROLEUM B

**SUBSURFACE DISPOSAL SCHEMES**

App 11973B 19 Nov 2019  
Class II  
Canadian Natural Resources Limited

**FIELD DESIGNATION**

0728 2001-02-01

ORCHID FIELD

**INDEX OF AER ORDERS AND APPROVALS**

**ORI**

**ORION FIELD**

**0665**

**July 2020**

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**FIELD DESIGNATION**

0665 2001-02-01                      ORION FIELD

**POOL DESIGNATION**

0665 213001 2001-02-01              BOW ISLAND A

0665 332001 2001-02-01              SUNBURST A

0665 428001 2001-02-01              SAWTOOTH A

0665 428002 2001-02-01              SAWTOOTH B

**FIELD DESIGNATION**

0671 2004-12-01 OSBORN FIELD

**POOL DESIGNATION**

0671 304001 2001-02-01 BLUESKY A

0671 304002 2001-09-01 BLUESKY B

0671 326001 2004-08-01 GETHING A

0671 326002 2001-02-01 GETHING B

0671 326003 2001-02-01 GETHING C

**SPACING PATTERN**

SU 2710 7 May 1996

**COMMINGLED PRODUCTION**

MU 1272 3 Jan 1996



**FIELD DESIGNATION**

0670 2020-05-01 OYEN FIELD

**POOL DESIGNATION**

0670 126002 2010-04-01 BELLY RIVER B  
0670 126003 2001-02-01 BELLY RIVER C  
0670 126004 2010-04-01 BELLY RIVER D  
0670 126008 2010-04-01 BELLY RIVER H  
0670 126009 2010-04-01 BELLY RIVER I  
0670 126010 2001-07-01 BELLY RIVER J  
0670 126011 2001-02-01 BELLY RIVER K  
0670 126012 2001-02-01 BELLY RIVER L  
0670 126013 2001-02-01 BELLY RIVER M  
0670 126014 2001-02-01 BELLY RIVER N  
0670 126015 2001-02-01 BELLY RIVER O  
0670 126016 2001-03-01 BELLY RIVER P  
0670 126017 2007-05-01 BELLY RIVER Q  
0670 126018 2007-05-01 BELLY RIVER R  
0670 126019 2007-06-01 BELLY RIVER S  
0670 126020 2010-02-01 BELLY RIVER T  
0670 126021 2010-02-01 BELLY RIVER U  
0670 126022 2010-02-01 BELLY RIVER V  
0670 126023 2010-02-01 BELLY RIVER W  
0670 126024 2010-04-01 BELLY RIVER X  
0670 126025 2010-03-01 BELLY RIVER Y  
0670 126026 2014-03-01 BELLY RIVER Z

0670 134001 2005-07-01 BASAL BELLY RIVER A

0670 218001 2010-04-01 VIKING A  
0670 218002 2010-04-01 VIKING B  
0670 218003 2001-02-01 VIKING C  
0670 218004 2001-02-01 VIKING D  
0670 218005 2001-02-01 VIKING E  
0670 218006 2001-02-01 VIKING F  
0670 218007 2010-04-01 VIKING G

**POOL DESIGNATION (cont'd)**

0670 218008 2011-09-01	VIKING H
0670 218009 2001-02-01	VIKING I
0670 218010 2001-02-01	VIKING J
0670 218011 2010-02-01	VIKING K
0670 218012 2001-02-01	VIKING L
0670 218013 2005-08-01	VIKING M
0670 218014 2008-11-01	VIKING N
0670 250001 2001-02-01	UPPER MANNVILLE A
0670 250002 2001-02-01	UPPER MANNVILLE B
0670 250003 2010-04-01	UPPER MANNVILLE C
0670 250004 2002-01-01	UPPER MANNVILLE D
0670 250005 2001-12-01	UPPER MANNVILLE E
0670 250006 2001-09-01	UPPER MANNVILLE F
0670 250007 2002-04-01	UPPER MANNVILLE G
0670 250008 2003-02-01	UPPER MANNVILLE H
0670 250009 2004-01-01	UPPER MANNVILLE I
0670 250010 2002-02-01	UPPER MANNVILLE J
0670 250011 2003-01-01	UPPER MANNVILLE K
0670 250012 2010-02-01	UPPER MANNVILLE L
0670 250013 2004-03-01	UPPER MANNVILLE M
0670 250014 2003-07-01	UPPER MANNVILLE N
0670 250015 2004-01-01	UPPER MANNVILLE O
0670 250016 2010-04-01	UPPER MANNVILLE P
0670 250017 2004-02-01	UPPER MANNVILLE Q
0670 250018 2004-07-01	UPPER MANNVILLE R
0670 250019 2005-02-01	UPPER MANNVILLE S
0670 250020 2005-02-01	UPPER MANNVILLE T
0670 250021 2005-05-01	UPPER MANNVILLE U
0670 250022 2005-05-01	UPPER MANNVILLE V
0670 250023 2006-10-01	UPPER MANNVILLE W
0670 250024 2006-10-01	UPPER MANNVILLE X
0670 250025 2007-05-01	UPPER MANNVILLE Y
0670 250026 2010-02-01	UPPER MANNVILLE Z
0670 250027 2008-11-01	UPPER MANNVILLE AA
0670 250029 2009-07-01	UPPER MANNVILLE CC
0670 250030 2010-03-01	UPPER MANNVILLE DD
0670 250031 2010-03-01	UPPER MANNVILLE EE

**POOL DESIGNATION (cont'd)**

0670 250032 2014-03-01 UPPER MANNVILLE FF  
0670 310001 2020-07-01 LOWER MANNVILLE A  
0670 350003 2010-04-01 DETRITAL C  
0670 350004 2001-03-01 DETRITAL D  
0670 350005 2005-02-01 DETRITAL E  
0670 350006 2005-07-01 DETRITAL F  
0670 350007 2007-06-01 DETRITAL G  
0670 350008 2007-10-01 DETRITAL H  
0670 350009 2009-08-01 DETRITAL I  
0670 350010 2010-03-01 DETRITAL J  
0670 644001 2001-02-01 BANFF A  
0670 644002 2003-03-01 BANFF B  
0670 644003 2005-08-01 BANFF C  
0670 646001 2001-02-01 BAKKEN A

**SPACING PATTERN**

SU 4222 22 Oct 2004  
SU 4222A 13 Dec 2004

**COMMINGLED PRODUCTION**

MU 5678 2 Jun 2006

**GAS ALLOWABLE**

GA 348 21 Oct 1998  
GA 349 18 Dec 1998