

FIELD DESIGNATION

0916 2012-04-01 UKALTA FIELD

POOL DESIGNATION

0916 218001 2012-02-01 VIKING A
0916 218002 2001-02-01 VIKING B
0916 218003 2001-02-01 VIKING C
0916 218004 2001-02-01 VIKING D
0916 218005 2001-03-01 VIKING E
0916 218006 2011-05-01 VIKING F
0916 218007 2012-03-01 VIKING G

0916 250001 2010-01-01 UPPER MANNVILLE A
0916 250002 2001-02-01 UPPER MANNVILLE B
0916 250003 2010-04-01 UPPER MANNVILLE C
0916 250004 2010-04-01 UPPER MANNVILLE D
0916 250005 2011-02-01 UPPER MANNVILLE E
0916 250006 2001-02-01 UPPER MANNVILLE F
0916 250007 2001-02-01 UPPER MANNVILLE G
0916 250008 2001-02-01 UPPER MANNVILLE H
0916 250009 2001-02-01 UPPER MANNVILLE I
0916 250010 2006-04-01 UPPER MANNVILLE J
0916 250012 2004-08-01 UPPER MANNVILLE L
0916 250013 2001-02-01 UPPER MANNVILLE M
0916 250014 2001-02-01 UPPER MANNVILLE N
0916 250015 2004-08-01 UPPER MANNVILLE O
0916 250016 2001-02-01 UPPER MANNVILLE P
0916 250017 2001-02-01 UPPER MANNVILLE Q
0916 250018 2001-02-01 UPPER MANNVILLE R
0916 250019 2001-02-01 UPPER MANNVILLE S
0916 250020 2001-02-01 UPPER MANNVILLE T
0916 250021 2002-10-01 UPPER MANNVILLE U
0916 250022 2002-02-01 UPPER MANNVILLE V
0916 250023 2002-04-01 UPPER MANNVILLE W
0916 250024 2002-04-01 UPPER MANNVILLE X
0916 250025 2007-05-01 UPPER MANNVILLE Y

POOL DESIGNATION (cont'd)

| | |
|------------------------|---------------------|
| 0916 250026 2002-10-01 | UPPER MANNVILLE Z |
| 0916 250027 2003-10-01 | UPPER MANNVILLE AA |
| 0916 250028 2010-04-01 | UPPER MANNVILLE BB |
| 0916 250029 2004-06-01 | UPPER MANNVILLE CC |
| 0916 250030 2004-09-01 | UPPER MANNVILLE DD |
| 0916 250032 2005-01-01 | UPPER MANNVILLE FF |
| 0916 250033 2005-11-01 | UPPER MANNVILLE GG |
| 0916 250034 2005-05-01 | UPPER MANNVILLE HH |
| 0916 250035 2011-02-01 | UPPER MANNVILLE II |
| 0916 250036 2005-11-01 | UPPER MANNVILLE JJ |
| 0916 250037 2005-12-01 | UPPER MANNVILLE KK |
| 0916 250038 2006-01-01 | UPPER MANNVILLE LL |
| 0916 250039 2006-01-01 | UPPER MANNVILLE MM |
| 0916 250040 2006-01-01 | UPPER MANNVILLE NN |
| 0916 250041 2012-05-01 | UPPER MANNVILLE OO |
| 0916 250042 2006-05-01 | UPPER MANNVILLE PP |
| 0916 250043 2006-05-01 | UPPER MANNVILLE QQ |
| 0916 250044 2010-04-01 | UPPER MANNVILLE RR |
| 0916 250045 2007-12-01 | UPPER MANNVILLE SS |
| 0916 250046 2007-12-01 | UPPER MANNVILLE TT |
| 0916 250047 2007-12-01 | UPPER MANNVILLE UU |
| 0916 250048 2007-12-01 | UPPER MANNVILLE VV |
| 0916 250049 2007-12-01 | UPPER MANNVILLE WW |
| 0916 250050 2008-04-01 | UPPER MANNVILLE XX |
| 0916 250051 2008-01-01 | UPPER MANNVILLE YY |
| 0916 250052 2010-04-01 | UPPER MANNVILLE ZZ |
| 0916 250701 2008-02-01 | UPPER MANNVILLE AAA |
| 0916 250703 2008-03-01 | UPPER MANNVILLE CCC |
| 0916 250704 2008-03-01 | UPPER MANNVILLE DDD |
| 0916 250705 2008-03-01 | UPPER MANNVILLE EEE |
| 0916 250706 2008-03-01 | UPPER MANNVILLE FFF |
| 0916 250707 2008-03-01 | UPPER MANNVILLE GGG |
| 0916 250708 2008-12-01 | UPPER MANNVILLE HHH |
| 0916 250709 2008-12-01 | UPPER MANNVILLE III |
| 0916 250710 2008-05-01 | UPPER MANNVILLE JJJ |
| 0916 250711 2008-08-01 | UPPER MANNVILLE KKK |
| 0916 250712 2008-08-01 | UPPER MANNVILLE LLL |
| 0916 250713 2009-03-01 | UPPER MANNVILLE MMM |

POOL DESIGNATION (cont'd)

| | |
|------------------------|---------------------|
| 0916 250714 2010-04-01 | UPPER MANNVILLE NNN |
| 0916 250715 2011-01-01 | UPPER MANNVILLE OOO |
| 0916 250716 2011-01-01 | UPPER MANNVILLE PPP |
| 0916 250717 2011-12-01 | UPPER MANNVILLE QQQ |
| 0916 250718 2012-04-01 | UPPER MANNVILLE RRR |
| 0916 250719 2018-10-01 | UPPER MANNVILLE SSS |
| | |
| 0916 256005 2001-02-01 | COLONY E |
| 0916 256006 2001-02-01 | COLONY F |
| 0916 256007 2001-02-01 | COLONY G |
| 0916 256008 2001-02-01 | COLONY H |
| 0916 256009 2001-02-01 | COLONY I |
| 0916 256010 2001-02-01 | COLONY J |
| 0916 256011 2001-02-01 | COLONY K |
| 0916 256013 2010-04-01 | COLONY M |
| 0916 256014 2010-04-01 | COLONY N |
| 0916 256015 2003-04-01 | COLONY O |
| 0916 256016 2001-02-01 | COLONY P |
| 0916 256017 2001-02-01 | COLONY Q |
| 0916 256018 2001-02-01 | COLONY R |
| 0916 256019 2011-02-01 | COLONY S |
| 0916 256020 2001-02-01 | COLONY T |
| 0916 256021 2001-02-01 | COLONY U |
| 0916 256022 2001-02-01 | COLONY V |
| 0916 256023 2001-11-01 | COLONY W |
| 0916 256024 2001-09-01 | COLONY X |
| 0916 256025 2002-03-01 | COLONY Y |
| 0916 256026 2002-04-01 | COLONY Z |
| 0916 256027 2010-04-01 | COLONY AA |
| 0916 256028 2003-06-01 | COLONY BB |
| 0916 256029 2010-04-01 | COLONY CC |
| 0916 256030 2005-11-01 | COLONY DD |
| 0916 256031 2006-02-01 | COLONY EE |
| 0916 256032 2006-08-01 | COLONY FF |
| 0916 256033 2015-05-01 | COLONY GG |
| 0916 256034 2007-12-01 | COLONY HH |
| 0916 256035 2007-12-01 | COLONY II |
| 0916 256036 2008-04-01 | COLONY JJ |

POOL DESIGNATION (cont'd)

| | |
|------------------------|----------------|
| 0916 256037 2008-06-01 | COLONY KK |
| 0916 256038 2010-04-01 | COLONY LL |
| 0916 256039 2009-08-01 | COLONY MM |
| 0916 256040 2010-04-01 | COLONY NN |
| 0916 256041 2012-01-01 | COLONY OO |
| 0916 256042 2011-03-01 | COLONY PP |
| 0916 256043 2011-12-01 | COLONY QQ |
| 0916 256044 2012-08-01 | COLONY RR |
| 0916 256045 2013-07-01 | COLONY SS |
| | |
| 0916 262001 2001-02-01 | GRAND RAPIDS A |
| | |
| 0916 276001 2001-02-01 | SPARKY A |
| 0916 276002 2017-09-01 | SPARKY B |
| 0916 276003 2001-02-01 | SPARKY C |
| 0916 276004 2001-02-01 | SPARKY D |
| 0916 276006 2001-02-01 | SPARKY F |
| 0916 276007 2001-02-01 | SPARKY G |
| 0916 276008 2001-02-01 | SPARKY H |
| 0916 276009 2001-02-01 | SPARKY I |
| 0916 276010 2005-05-01 | SPARKY J |
| 0916 276011 2012-04-01 | SPARKY K |
| 0916 276012 2001-02-01 | SPARKY L |
| 0916 276013 2001-02-01 | SPARKY M |
| 0916 276014 2005-05-01 | SPARKY N |
| 0916 276015 2005-07-01 | SPARKY O |
| 0916 276016 2006-01-01 | SPARKY P |
| 0916 276017 2006-03-01 | SPARKY Q |
| 0916 276018 2006-07-01 | SPARKY R |
| 0916 276019 2006-07-01 | SPARKY S |
| 0916 276020 2006-07-01 | SPARKY T |
| 0916 276021 2007-12-01 | SPARKY U |
| 0916 276022 2007-12-01 | SPARKY V |
| 0916 276023 2007-12-01 | SPARKY W |
| 0916 276024 2007-12-01 | SPARKY X |
| 0916 276025 2010-04-01 | SPARKY Y |
| 0916 276026 2008-07-01 | SPARKY Z |
| 0916 276027 2010-04-01 | SPARKY AA |

POOL DESIGNATION (cont'd)

| | |
|------------------------|---------------------|
| 0916 276028 2010-04-01 | SPARKY BB |
| 0916 276029 2010-04-01 | SPARKY CC |
| 0916 276030 2010-04-01 | SPARKY DD |
| 0916 276031 2010-04-01 | SPARKY EE |
| 0916 276032 2010-04-01 | SPARKY FF |
| 0916 276033 2010-01-01 | SPARKY GG |
| 0916 276034 2010-06-01 | SPARKY HH |
| 0916 276035 2011-03-01 | SPARKY II |
| 0916 276036 2011-05-01 | SPARKY JJ |
| 0916 276037 2011-12-01 | SPARKY KK |
| 0916 276038 2013-06-01 | SPARKY LL |
| 0916 276039 2013-06-01 | SPARKY MM |
| | |
| 0916 286001 2011-04-01 | GENERAL PETROLEUM A |
| | |
| 0916 300002 2001-02-01 | GLAUCONITIC B |
| 0916 300003 2001-02-01 | GLAUCONITIC C |
| 0916 300004 2008-05-01 | GLAUCONITIC D |
| 0916 300007 2001-02-01 | GLAUCONITIC G |
| 0916 300010 2001-10-01 | GLAUCONITIC J |
| 0916 300012 2010-04-01 | GLAUCONITIC L |
| 0916 300013 2010-04-01 | GLAUCONITIC M |
| 0916 300014 2001-02-01 | GLAUCONITIC N |
| 0916 300015 2001-02-01 | GLAUCONITIC O |
| 0916 300016 2001-02-01 | GLAUCONITIC P |
| 0916 300017 2001-02-01 | GLAUCONITIC Q |
| 0916 300018 2012-05-01 | GLAUCONITIC R |
| 0916 300019 2010-04-01 | GLAUCONITIC S |
| 0916 300020 2001-02-01 | GLAUCONITIC T |
| 0916 300021 2001-02-01 | GLAUCONITIC U |
| 0916 300022 2001-02-01 | GLAUCONITIC V |
| 0916 300023 2001-02-01 | GLAUCONITIC W |
| 0916 300024 2001-02-01 | GLAUCONITIC X |
| 0916 300025 2001-02-01 | GLAUCONITIC Y |
| 0916 300026 2003-10-01 | GLAUCONITIC Z |
| 0916 300027 2004-04-01 | GLAUCONITIC AA |
| 0916 300028 2004-05-01 | GLAUCONITIC BB |
| 0916 300029 2004-05-01 | GLAUCONITIC CC |

POOL DESIGNATION (cont'd)

| | |
|------------------------|-----------------|
| 0916 300030 2010-04-01 | GLAUCONITIC DD |
| 0916 300031 2010-04-01 | GLAUCONITIC EE |
| 0916 300032 2005-11-01 | GLAUCONITIC FF |
| 0916 300033 2005-05-01 | GLAUCONITIC GG |
| 0916 300034 2005-05-01 | GLAUCONITIC HH |
| 0916 300035 2005-09-01 | GLAUCONITIC II |
| 0916 300036 2005-12-01 | GLAUCONITIC JJ |
| 0916 300037 2006-01-01 | GLAUCONITIC KK |
| 0916 300038 2013-10-01 | GLAUCONITIC LL |
| 0916 300039 2006-07-01 | GLAUCONITIC MM |
| 0916 300040 2006-09-01 | GLAUCONITIC NN |
| 0916 300041 2006-09-01 | GLAUCONITIC OO |
| 0916 300042 2010-04-01 | GLAUCONITIC PP |
| 0916 300043 2007-03-01 | GLAUCONITIC QQ |
| 0916 300044 2007-08-01 | GLAUCONITIC RR |
| 0916 300045 2007-11-01 | GLAUCONITIC SS |
| 0916 300046 2007-11-01 | GLAUCONITIC TT |
| 0916 300047 2007-12-01 | GLAUCONITIC UU |
| 0916 300048 2007-12-01 | GLAUCONITIC VV |
| 0916 300049 2007-12-01 | GLAUCONITIC WW |
| 0916 300050 2007-12-01 | GLAUCONITIC XX |
| 0916 300051 2007-12-01 | GLAUCONITIC YY |
| 0916 300052 2007-12-01 | GLAUCONITIC ZZ |
| 0916 300901 2008-04-01 | GLAUCONITIC AAA |
| 0916 300902 2008-07-01 | GLAUCONITIC BBB |
| 0916 300903 2008-07-01 | GLAUCONITIC CCC |
| 0916 300904 2008-07-01 | GLAUCONITIC DDD |
| 0916 300905 2008-12-01 | GLAUCONITIC EEE |
| 0916 300906 2008-07-01 | GLAUCONITIC FFF |
| 0916 300907 2008-07-01 | GLAUCONITIC GGG |
| 0916 300908 2008-07-01 | GLAUCONITIC HHH |
| 0916 300909 2010-04-01 | GLAUCONITIC III |
| 0916 300910 2010-04-01 | GLAUCONITIC JJJ |
| 0916 300911 2010-01-01 | GLAUCONITIC KKK |
| 0916 300912 2010-01-01 | GLAUCONITIC LLL |
| 0916 300913 2010-04-01 | GLAUCONITIC MMM |
| 0916 300914 2010-04-01 | GLAUCONITIC NNN |
| 0916 300915 2010-06-01 | GLAUCONITIC OOO |

POOL DESIGNATION (cont'd)

0916 300916 2012-02-01 GLAUCONITIC PPP
0916 300917 2013-11-01 GLAUCONITIC QQQ
0916 300918 2013-06-01 GLAUCONITIC RRR

0916 310002 2001-02-01 LOWER MANNVILLE B
0916 310005 2006-10-01 LOWER MANNVILLE E
0916 310006 2010-01-01 LOWER MANNVILLE F

0916 658001 2008-07-01 WABAMUN A

0916 659001 2013-08-01 WABAMUN-GRAMINIA A

0916 696001 2001-02-01 NISKU A
0916 696002 2001-02-01 NISKU B

0916 852500 2010-04-01 MFP8525 COLONY

SPACING PATTERN

SU 2739 9 May 1996
SU 2739A 3 Feb 2006

COMMINGLED PRODUCTION

MU 6946 22 Jul 2008

SUBSURFACE DISPOSAL SCHEMES

App 8310E 30 Jan 2017
Class II
Sequoia Resources Corp.

COMPULSORY POOLING

P 308 8 Nov 2006
Gas
33-056-16W4M
Perpetual Energy Operating Corp.

COMPULSORY POOLING (cont'd)

P 339 20 Nov 2007
Gas
13-056-18W4M
Celtic Exploration Ltd.

