

MADE at the City of Calgary, in the
Province of Alberta, on

10th day of July 2014.



ALBERTA ENERGY REGULATOR

The Alberta Energy Regulator (AER) pursuant to the *Oil and Gas Conservation Act*, chapter O-6 of the Revised Statutes of Alberta, 2000, orders as follows:

- 1) The following table shows the specified pools and wells in the **MIKWAN Field** wherein production may be commingled in the wellbore:

Pools	Wells (Unique Identifier)
a) MIKWAN BELLY RIVER D, MIKWAN VIKING B, MIKWAN UPPER MANNVILLE M, and MIKWAN UPPER MANNVILLE Y	All
b) MIKWAN BELLY RIVER E, MIKWAN UPPER MANNVILLE I, MIKWAN LOWER MANNVILLE CC, MIKWAN LOWER MANNVILLE DD, MIKWAN LOWER MANNVILLE XX, MIKWAN LOWER MANNVILLE YY, MIKWAN LOWER MANNVILLE ZZ, and MIKWAN LOWER MANNVILLE HHH	All
c) MIKWAN BASAL BELLY RIVER E and MIKWAN VIKING U	All
d) MIKWAN VIKING L, MIKWAN UPPER MANNVILLE QQ, and MIKWAN LOWER MANNVILLE GG	All
e) MIKWAN VIKING P and MIKWAN VIKING T	All
f) MIKWAN VIKING Q, MIKWAN UPPER MANNVILLE GG, MIKWAN LOWER MANNVILLE KK, and MIKWAN LOWER MANNVILLE LL	All
g) MIKWAN VIKING S and MIKWAN MFP8506 BELLY RIVER	All
h) MIKWAN UPPER MANNVILLE E and MIKWAN LOWER MANNVILLE E	All
i) MIKWAN UPPER MANNVILLE N and MIKWAN LOWER MANNVILLE I	All

j) MIKWAN UPPER MANNVILLE R and MIKWAN LOWER MANNVILLE FF	00/08-35-037-23W4/0
k) MIKWAN UPPER MANNVILLE S and MIKWAN LOWER MANNVILLE C	All
l) MIKWAN UPPER MANNVILLE AAA and MIKWAN LOWER MANNVILLE OOO	All
m) MIKWAN UPPER MANNVILLE EEE and MIKWAN LOWER MANNVILLE UU	All
n) MIKWAN LOWER MANNVILLE J, MIKWAN LOWER MANNVILLE O, and MIKWAN LOWER MANNVILLE TTT	All
o) MIKWAN LOWER MANNVILLE V and MIKWAN LOWER MANNVILLE FF	All
p) MIKWAN LOWER MANNVILLE HH and MIKWAN LOWER MANNVILLE II	All
q) MIKWAN LOWER MANNVILLE RRR and MIKWAN LOWER MANNVILLE SSS	All
r) MIKWAN D-2 K and MIKWAN D-3 E	All

- 2) Coalbed methane production from the EDMONTON GRP may be taken without segregation in the wellbore from wells in the following areas:

IN TOWNSHIP 36, RANGE 22, WEST OF THE 4th MERIDIAN:
Section 18
(see clause 15)

- 3) Coalbed methane and non associated gas production from the EDMONTON GRP, HORSESHOE CANYON FM CBM RS, HORSESHOE CANYON FM CBM WEAV, HORSESHOE CANYON FM CBM WAYN, HORSESHOE CANYON FM CBM DBSL, LETHBRIDGE, RIBSTONE CREEK MBR, VICTORIA MBR, and BROSSEAU MBR may be taken without segregation in the wellbore from wells in the following areas:

IN TOWNSHIP 35, RANGE 22, WEST OF THE 4th MERIDIAN:
Section 33

IN TOWNSHIP 36, RANGE 22, WEST OF THE 4th MERIDIAN:
Sections 4, 10, 20

- 4) Coalbed methane and non associated gas production from the EDMONTON GRP, HORSESHOE CANYON FM CBM WAYN, HORSESHOE CANYON FM CBM RS, HORSESHOE CANYON FM CBM DBSL, and LETHBRIDGE may be taken without segregation in the wellbore from wells in the following areas:

IN TOWNSHIP 36, RANGE 24, WEST OF THE 4th MERIDIAN:
Section 14

- 5) Coalbed methane and non associated gas production from the EDMONTON GRP, HORSESHOE CANYON FM, BEARPAW FM, LETHBRIDGE, RIBSTONE CREEK MBR, VICTORIA MBR, and BROSSEAU MBR may be taken without segregation in the wellbore from wells in the following areas:

IN TOWNSHIP 35, RANGE 23, WEST OF THE 4th MERIDIAN:
Section 33

IN TOWNSHIP 36, RANGE 22, WEST OF THE 4th MERIDIAN:
Sections 9, 14, 16-17, 21-23, 27, 33, 35

IN TOWNSHIP 36, RANGE 23, WEST OF THE 4th MERIDIAN:
Section 22

IN TOWNSHIP 36, RANGE 24, WEST OF THE 4th MERIDIAN:
Sections 15-16, 21-23, 27-30, 33-35

- 6) Coalbed methane and non associated gas production from the EDMONTON GRP, HORSESHOE CANYON FM, BELLY RIVER GRP, and LETHBRIDGE may be taken without segregation in the wellbore from wells in the following areas:

IN TOWNSHIP 35, RANGE 22, WEST OF THE 4th MERIDIAN:
Section 22

- 7) Coalbed methane and non associated gas production from the EDMONTON GRP, HORSESHOE CANYON FM, and LETHBRIDGE may be taken without segregation in the wellbore from wells in the following areas:

IN TOWNSHIP 35, RANGE 22, WEST OF THE 4th MERIDIAN:
Section 34

- 8) Coalbed methane and non associated gas production from the HORSESHOE CANYON FM CBM WEAV, HORSESHOE CANYON FM CBM WAYN, HORSESHOE CANYON FM CBM RS, HORSESHOE CANYON FM CBM DBSL, and BELLY RIVER GRP may be taken without segregation in the wellbore from wells in the following areas:

IN TOWNSHIP 35, RANGE 22, WEST OF THE 4th MERIDIAN:
Sections 34 and 35

IN TOWNSHIP 35, RANGE 23, WEST OF THE 4th MERIDIAN:
Section 34

IN TOWNSHIP 36, RANGE 22, WEST OF THE 4th MERIDIAN:
Sections 1, 3, 6-7, 12, 18

IN TOWNSHIP 36, RANGE 23, WEST OF THE 4th MERIDIAN:
Sections 1-2, 11-14

IN TOWNSHIP 37, RANGE 22, WEST OF THE 4th MERIDIAN:
Sections 1-3, 12, 24

- 9) Coalbed methane and non associated gas production from the HORSESHOE CANYON FM, BEARPAW FM, and BELLY RIVER GRP may be taken without segregation in the wellbore from wells in the following areas:

IN TOWNSHIP 37, RANGE 25, WEST OF THE 4th MERIDIAN:
Section 24

- 10) Coalbed methane and non associated gas production from the HORSESHOE CANYON FM and LETHBRIDGE may be taken without segregation in the wellbore from wells in the following areas:

IN TOWNSHIP 35, RANGE 23, WEST OF THE 4th MERIDIAN:
Section 32

IN TOWNSHIP 36, RANGE 23, WEST OF THE 4th MERIDIAN:
Section 4

IN TOWNSHIP 37, RANGE 22, WEST OF THE 4th MERIDIAN:
Sections 10-11, 14, 16, 22, 28-30, 32, 34

IN TOWNSHIP 37, RANGE 23, WEST OF THE 4th MERIDIAN:
Sections 11, 14, 24, 34, 36

IN TOWNSHIP 38, RANGE 22, WEST OF THE 4th MERIDIAN:
Sections 6 and 18

- 11) Coalbed methane production from the HORSESHOE CANYON FM and LETHBRIDGE may be taken without segregation in the wellbore from wells in the following areas:

IN TOWNSHIP 38, RANGE 23, WEST OF THE 4th MERIDIAN:
Sections 6, 12, 19

- 12) Non associated gas production from the BELLY RIVER GRP may be taken without segregation in the wellbore from wells in the following areas:

IN TOWNSHIP 36, RANGE 22, WEST OF THE 4th MERIDIAN:
Sections 7-8, 18-19, 29

IN TOWNSHIP 36, RANGE 23, WEST OF THE 4th MERIDIAN:
Sections 2, 11-12, 14, 23-26

- 13) Non associated gas production from the BELLY RIVER GRP and BASAL BELLY RIVER SD may be taken without segregation in the wellbore from wells in the following areas:

IN TOWNSHIP 35, RANGE 22, WEST OF THE 4th MERIDIAN:
Sections 31, 34-35

IN TOWNSHIP 35, RANGE 23, WEST OF THE 4th MERIDIAN:
Section 36

IN TOWNSHIP 36, RANGE 22, WEST OF THE 4th MERIDIAN:
Sections 1, 3, 5-6, 11-12

- 14) Board Orders No. Orders No. MISC 2006-77, 2006-86, and 2006-87 are rescinded.

- 15) Approval to commingle production in the wellbore is subject to the following conditions:

a) No well may produce commingled above a depth of 400 metres true vertical depth.

b) If water production over 5 cubic metres per month occurs or is suspected to occur at any well, the well must be shut in immediately. The source and quality of the water, including Total Dissolved Solids, must be determined and reported to the ERCB within 60 days.

- 16) AER Order No. MU8205 is rescinded.

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