

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

6th day of July 2015.



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 **WAYNE-ROSEDALE Field** wherein production may be commingled in the wellbore, and
- the allocation factors to prorate the commingled production to the specified pools:

| Pools | Wells (Unique Identifier) | Allocation Percentage |
|---|------------------------------|--------------------------|
| a) ¹ WAYNE-ROSEDALE VIKING A, WAYNE-ROSEDALE VIKING X, WAYNE-ROSEDALE VIKING X2X, WAYNE-ROSEDALE VIKING F3F, WAYNE-ROSEDALE BASAL COLORADO F, WAYNE-ROSEDALE MANNVILLE EE, WAYNE-ROSEDALE MANNVILLE FF, WAYNE-ROSEDALE UPPER MANNVILLE ZZ, WAYNE-ROSEDALE UPPER MANNVILLE YYY, WAYNE-ROSEDALE UPPER MANNVILLE A2A, WAYNE-ROSEDALE UPPER MANNVILLE Q2Q, WAYNE-ROSEDALE UPPER MANNVILLE S2S, WAYNE-ROSEDALE UPPER MANNVILLE C3C, WAYNE-ROSEDALE UPPER MANNVILLE D3D, WAYNE-ROSEDALE UPPER MANNVILLE O4O, WAYNE-ROSEDALE UPPER MANNVILLE O5O, WAYNE-ROSEDALE UPPER MANNVILLE S5S, WAYNE-ROSEDALE UPPER MANNVILLE V5V, WAYNE-ROSEDALE UPPER MANNVILLE Z5Z, WAYNE-ROSEDALE GLAUCONITIC D, WAYNE-ROSEDALE GLAUCONITIC T, WAYNE-ROSEDALE GLAUCONITIC V, WAYNE-ROSEDALE GLAUCONITIC AA, WAYNE-ROSEDALE GLAUCONITIC BB, WAYNE-ROSEDALE GLAUCONITIC NNN, WAYNE-ROSEDALE GLAUCONITIC QQQ, WAYNE-ROSEDALE GLAUCONITIC RRR, WAYNE-ROSEDALE GLAUCONITIC C3C, WAYNE-ROSEDALE GLAUCONITIC L3L, WAYNE-ROSEDALE GLAUCONITIC P3P, WAYNE-ROSEDALE LOWER MANNVILLE SS, WAYNE-ROSEDALE LOWER MANNVILLE LLL, WAYNE-ROSEDALE LOWER MANNVILLE D4D, WAYNE-ROSEDALE LOWER MANNVILLE F4F, | All | None |

WAYNE-ROSEDALE LOWER MANNVILLE L4L,
 WAYNE-ROSEDALE LOWER MANNVILLE P4P,
 WAYNE-ROSEDALE LOWER MANNVILLE T4T,
 WAYNE-ROSEDALE OSTRACOD E,
 WAYNE-ROSEDALE BASAL QUARTZ SS,
 WAYNE-ROSEDALE BASAL QUARTZ ZZ,
 WAYNE-ROSEDALE BASAL QUARTZ KKK,
 WAYNE-ROSEDALE BASAL QUARTZ C3C,
 WAYNE-ROSEDALE ELLERSLIE H,
 WAYNE-ROSEDALE ELLERSLIE I,
 WAYNE-ROSEDALE ELLERSLIE L,
 WAYNE-ROSEDALE PEKISKO D,
 WAYNE-ROSEDALE PEKISKO H,
 WAYNE-ROSEDALE PEKISKO Q,
 WAYNE-ROSEDALE MFP8502 MED HAT,
 WAYNE-ROSEDALE MFP8506 BELLY RIVER, and
 WAYNE-ROSEDALE MFP8543 BSL BELLY RIV

| | | | |
|----|--|--|----------------------------------|
| b) | WAYNE-ROSEDALE VIKING A, WAYNE-ROSEDALE VIKING Y, WAYNE-ROSEDALE GLAUCONITIC LLL, and WAYNE-ROSEDALE GLAUCONITIC MMM | 00/08-04-027-19W4/0 | None |
| c) | WAYNE-ROSEDALE VIKING A, WAYNE-ROSEDALE VIKING JJ, and WAYNE-ROSEDALE GLAUCONITIC XXX | 00/06-28-026-19W4/0 00/16-28-026-19W4/0 | None |
| d) | WAYNE-ROSEDALE VIKING A and WAYNE-ROSEDALE GLAUCONITIC XXX | 00/04-33-026-19W4/0 00/08-15-026-19W4/0 | None |
| e) | ¹ WAYNE-ROSEDALE VIKING A, WAYNE-ROSEDALE ELLERSLIE E, WAYNE-ROSEDALE VIKING A, WAYNE-ROSEDALE ELLERSLIE E, WAYNE-ROSEDALE VIKING A, and WAYNE-ROSEDALE ELLERSLIE E | 02/07-06-029-21W4/0 02/07-06-029-21W4/0 00/04-07-029-21W4/0 00/04-07-029-21W4/0 00/06-18-029-21W4/0 00/06-18-029-21W4/0 | 50 50 50 50 50 50 |
| f) | WAYNE-ROSEDALE VIKING B and WAYNE-ROSEDALE GLAUCONITIC XXX | 02/06-30-026-19W4/0 | None |
| g) | WAYNE-ROSEDALE VIKING B, WAYNE-ROSEDALE GLAUCONITIC V2V, WAYNE-ROSEDALE GLAUCONITIC X2X, WAYNE-ROSEDALE OSTRACOD I, WAYNE-ROSEDALE BASAL QUARTZ SSS, and WAYNE-ROSEDALE BASAL QUARTZ L3L | All | None |
| h) | WAYNE-ROSEDALE VIKING LL and WAYNE-ROSEDALE GLAUCONITIC P2P | All | None |
| i) | WAYNE-ROSEDALE VIKING MM, WAYNE-ROSEDALE GLAUCONITIC VVV, WAYNE-ROSEDALE GLAUCONITIC WWW, WAYNE-ROSEDALE GLAUCONITIC XXX, WAYNE-ROSEDALE GLAUCONITIC G2G, WAYNE-ROSEDALE GLAUCONITIC H2H, WAYNE-ROSEDALE GLAUCONITIC I2I, and WAYNE-ROSEDALE OSTRACOD W | All | None |

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| j) WAYNE-ROSEDALE VIKING UU and WAYNE-ROSEDALE GLAUCONITIC D3D | All | None |
| k) WAYNE-ROSEDALE VIKING X2X and WAYNE-ROSEDALE LOWER MANNVILLE H (see clause 15) | 00/02-14-028-19W4/0 | None |
| l) WAYNE-ROSEDALE VIKING A3A, WAYNE-ROSEDALE UPPER MANNVILLE HHH, and WAYNE-ROSEDALE UPPER MANNVILLE Y2Y | All | None |
| m) WAYNE-ROSEDALE VIKING G3G and WAYNE-ROSEDALE UPPER MANNVILLE I3I | All | None |
| n) WAYNE-ROSEDALE MANNVILLE F and WAYNE-ROSEDALE MANNVILLE J | 00/04-23-030-20W4/0 | None |
| o) WAYNE-ROSEDALE MANNVILLE K and WAYNE-ROSEDALE MANNVILLE KK | All | None |
| p) WAYNE-ROSEDALE MANNVILLE M and WAYNE-ROSEDALE UPPER MANNVILLE A3A | All | None |
| q) WAYNE-ROSEDALE MANNVILLE W and WAYNE-ROSEDALE UPPER MANNVILLE T2T | All | None |
| r) WAYNE-ROSEDALE UPPER MANNVILLE UU and WAYNE-ROSEDALE LOWER MANNVILLE I | All | None |
| s) WAYNE-ROSEDALE UPPER MANNVILLE XX, WAYNE-ROSEDALE UPPER MANNVILLE O2O, and WAYNE-ROSEDALE LOWER MANNVILLE LL | All | None |
| t) WAYNE-ROSEDALE UPPER MANNVILLE AAA, WAYNE-ROSEDALE UPPER MANNVILLE CCC, and WAYNE-ROSEDALE BANFF H | All | None |
| u) WAYNE-ROSEDALE UPPER MANNVILLE MMM, WAYNE-ROSEDALE UPPER MANNVILLE M5M, WAYNE-ROSEDALE LOWER MANNVILLE Z, and WAYNE-ROSEDALE MFP8540 BSL BELLY RIV | All | None |
| v) WAYNE-ROSEDALE UPPER MANNVILLE VVV and WAYNE-ROSEDALE LOWER MANNVILLE KK | All | None |
| w) WAYNE-ROSEDALE UPPER MANNVILLE L5L and WAYNE-ROSEDALE LOWER MANNVILLE O3O | All | None |
| x) WAYNE-ROSEDALE GLAUCONITIC HH and WAYNE-ROSEDALE GLAUCONITIC G3G | All | None |
| y) WAYNE-ROSEDALE GLAUCONITIC JJJ and WAYNE-ROSEDALE BASAL QUARTZ B2B | All | None |
| z) WAYNE-ROSEDALE GLAUCONITIC SSS and WAYNE-ROSEDALE OSTRACOD V | All | None |

| | | | |
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| aa) | WAYNE-ROSEDALE GLAUCONITIC XXX, | 00/06-12-026-19W4/0 | 65 |
| | WAYNE-ROSEDALE OSTRACOD E, | 00/06-12-026-19W4/0 | 35 |
| | WAYNE-ROSEDALE GLAUCONITIC XXX, | 00/08-14-026-19W4/0 | 60 |
| | WAYNE-ROSEDALE OSTRACOD E, | 00/08-14-026-19W4/0 | 40 |
| | WAYNE-ROSEDALE GLAUCONITIC XXX, and | 00/08-22-026-19W4/0 | 60 |
| | WAYNE-ROSEDALE OSTRACOD E | 00/08-22-026-19W4/0 | 40 |
| bb) | WAYNE-ROSEDALE GLAUCONITIC XXX and | 02/08-02-026-19W4/0 | 60 |
| | WAYNE-ROSEDALE OSTRACOD H | 02/08-02-026-19W4/0 | 40 |
| cc) | WAYNE-ROSEDALE GLAUCONITIC C2C and | 00/14-13-026-20W4/0 | 75 |
| | WAYNE-ROSEDALE GLAUCONITIC F2F | 00/14-13-026-20W4/0 | 25 |
| dd) | WAYNE-ROSEDALE GLAUCONITIC K2K and | All | None |
| | WAYNE-ROSEDALE OSTRACOD AA | | |
| ee) | WAYNE-ROSEDALE GLAUCONITIC L2L, | All | None |
| | WAYNE-ROSEDALE GLAUCONITIC K3K, and | | |
| | WAYNE-ROSEDALE BASAL QUARTZ I2I | | |
| ff) | WAYNE-ROSEDALE GLAUCONITIC W2W and | All | None |
| | WAYNE-ROSEDALE BASAL QUARTZ Y | | |
| gg) | WAYNE-ROSEDALE GLAUCONITIC M3M and | All | None |
| | WAYNE-ROSEDALE BASAL QUARTZ C | | |
| hh) | ¹ WAYNE-ROSEDALE GLAUCONITIC U5U and | All | None |
| | WAYNE-ROSEDALE GLAUCONITIC Y5Y | | |
| ii) | ¹ WAYNE-ROSEDALE GLAUCONITIC V5V and | All | None |
| | WAYNE-ROSEDALE MFP8535 BSL BELLY RIV | | |
| jj) | ¹ WAYNE-ROSEDALE GLAUCONITIC A6A and | All | None |
| | WAYNE-ROSEDALE ELLERSLIE D | | |
| kk) | WAYNE-ROSEDALE BASAL QUARTZ F2F and | All | None |
| | WAYNE-ROSEDALE PEKISKO A | | |
| ll) | WAYNE-ROSEDALE MFP8506 BELLY RIVER and | 00/04-16-031-19W4/0 | None |
| | WAYNE-ROSEDALE MFP8540 BSL BELLY RIV | | |
| mm) | WAYNE-ROSEDALE MFP8506 BELLY RIVER and | 00/13-10-031-19W4/0 | None |
| | WAYNE-ROSEDALE MFP8540 BSL BELLY RIV | | |

- 2) ¹ 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 28, RANGE 23, WEST OF THE 4th MERIDIAN:
Sections 27-28, 33-34

IN TOWNSHIP 31, RANGE 20, WEST OF THE 4th MERIDIAN:
Section 14

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

IN TOWNSHIP 31, RANGE 19, WEST OF THE 4th MERIDIAN:
Section 19

- 4) ¹ Non associated gas production from the EDMONTON GRP, BELLY RIVER GRP, MILK RIVER FM, COLORADO SHALE, FIRST WHITE SPECKS, MEDICINE HAT SD, SECOND WHITE SPECKS, FISH SCALE MEMBER, VIKING FM, and MANNVILLE GRP may be taken without segregation in the wellbore from wells in the following areas:

IN TOWNSHIP 28, RANGE 19, WEST OF THE 4th MERIDIAN:
Sections 18 and 19

IN TOWNSHIP 28, RANGE 20, WEST OF THE 4th MERIDIAN:
Sections 6 and 24

IN TOWNSHIP 28, RANGE 21, WEST OF THE 4th MERIDIAN:
Sections 1-5, 9-11

IN TOWNSHIP 28, RANGE 22, WEST OF THE 4th MERIDIAN:
Sections 1-3, 9-16

IN TOWNSHIP 28, RANGE 23, WEST OF THE 4th MERIDIAN:
Sections 15, 25-26, 34-35

- 5) ¹ Non associated gas production from the EDMONTON GRP, BELLY RIVER GRP, MEDICINE HAT SD, VIKING FM, and MANNVILLE GRP may be taken without segregation in the wellbore from wells in the following areas:

IN TOWNSHIP 27, RANGE 21, WEST OF THE 4th MERIDIAN:
Sections 31-33

IN TOWNSHIP 28, RANGE 19, WEST OF THE 4th MERIDIAN:
Section 7

IN TOWNSHIP 28, RANGE 20, WEST OF THE 4th MERIDIAN:
Sections 7-8, 12-13, 18-19, 29-32

IN TOWNSHIP 28, RANGE 21, WEST OF THE 4th MERIDIAN:
Sections 5-8, 12-36

IN TOWNSHIP 28, RANGE 22, WEST OF THE 4th MERIDIAN:
Sections 18-36

IN TOWNSHIP 28, RANGE 23, WEST OF THE 4th MERIDIAN:
Sections 13-14, 24
(see clause 19)

- 6) 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 31, RANGE 19, WEST OF THE 4th MERIDIAN:
Sections 10 and 15

- 7) 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 31, RANGE 19, WEST OF THE 4th MERIDIAN:
Sections 2, 4, 6, 8-9, 11, 14, 16, 18, 20, 22

IN TOWNSHIP 31, RANGE 20, WEST OF THE 4th MERIDIAN:
Sections 15 and 16

- 8) Non associated gas and oil production from the BELLY RIVER GRP, MEDICINE HAT SD, VIKING FM, MANNVILLE GRP, and BASAL QUARTZ SD may be taken without segregation in the wellbore from wells in the

following areas:

IN TOWNSHIP 27, RANGE 19, WEST OF THE 4th MERIDIAN:
Sections 15 and 21
(see clause 18)

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

IN TOWNSHIP 31, RANGE 20, WEST OF THE 4th MERIDIAN:
Sections 1 and 3

- 10) Non associated gas production from the MEDICINE HAT SD, VIKING SANDSTONE, and MANNVILLE GRP may be taken without segregation in the wellbore from wells in the following areas:

IN TOWNSHIP 26, RANGE 19, WEST OF THE 4th MERIDIAN:
Sections 27-28, 34

IN TOWNSHIP 27, RANGE 19, WEST OF THE 4th MERIDIAN:
Sections 4, 9, 11

- 11) Non associated gas and oil production from the MEDICINE HAT SD and BASAL QUARTZ SD may be taken without segregation in the wellbore from wells in the following areas:

IN TOWNSHIP 27, RANGE 19, WEST OF THE 4th MERIDIAN:
Section 16
(see clause 17)

- 12) Non associated gas production from the VIKING FM and MANNVILLE GRP may be taken without segregation in the wellbore from wells in the following areas:

IN TOWNSHIP 27, RANGE 17, WEST OF THE 4th MERIDIAN:
Section 19

IN TOWNSHIP 27, RANGE 18, WEST OF THE 4th MERIDIAN:
Sections 23-28, 32-36

IN TOWNSHIP 28, RANGE 18, WEST OF THE 4th MERIDIAN:
Sections 2-5, 7-11, 14, 18-22, 27-34

IN TOWNSHIP 28, RANGE 19, WEST OF THE 4th MERIDIAN:
Sections 12-14, 23

- 13) Associated gas, non associated gas, and oil production from the MANNVILLE GRP may be taken without segregation in the wellbore from wells in the following areas:

IN TOWNSHIP 27, RANGE 17, WEST OF THE 4th MERIDIAN:
Section 7

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

IN TOWNSHIP 25, RANGE 19, WEST OF THE 4th MERIDIAN:
Sections 31-36

IN TOWNSHIP 25, RANGE 20, WEST OF THE 4th MERIDIAN:
Section 36

IN TOWNSHIP 26, RANGE 18, WEST OF THE 4th MERIDIAN:
Sections 32-35

IN TOWNSHIP 26, RANGE 19, WEST OF THE 4th MERIDIAN:
Sections 1-12, 14-23, 29-36

IN TOWNSHIP 26, RANGE 20, WEST OF THE 4th MERIDIAN:
Sections 1, 12-14, 23-27, 34-35

IN TOWNSHIP 27, RANGE 17, WEST OF THE 4th MERIDIAN:
Sections 17-21, 28-30, 32-33

IN TOWNSHIP 27, RANGE 18, WEST OF THE 4th MERIDIAN:
Sections 1-5, 7-36

IN TOWNSHIP 27, RANGE 19, WEST OF THE 4th MERIDIAN:
Sections 1-5, 8-16, 21-36

IN TOWNSHIP 27, RANGE 20, WEST OF THE 4th MERIDIAN:
Sections 25, 35-36

IN TOWNSHIP 28, RANGE 17, WEST OF THE 4th MERIDIAN:
Sections 6-7, 17-19

IN TOWNSHIP 28, RANGE 18, WEST OF THE 4th MERIDIAN:
Sections 1-6, 9-14, 24-25

- 15) Allocation is for gas only. All oil production to be allocated to the Lower Mannville H
- 16) Commingling of the Edmonton Group and Mannville Formation shall only occur if the pressure of the Mannville Formation does not exceed 90% of the fracture pressure of the Edmonton Group.
- 17) Non-associated gas production from pools in the Medicine Hat Sand and oil production from the Basal Quartz Formation may be taken without segregation in the wellbore.
- 18) Non-associated gas production from pools in the Belly River Group, Medicine Hat Sand, Viking Formation, and Mannville Group and oil production from the Basal Quartz Formation may be taken without segregation in the wellbore.
- 19) Commingling of the Edmonton Group and Mannville Group shall only occur if the pressure of the Mannville Group does not exceed 90% of the fracture pressure of the Edmonton Group.
- 20) AER Order No. MU8736 is rescinded.

END OF DOCUMENT