

COMMINGLING Order No. MU8834

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

5th day of July 2018.

Egrevant.

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 **BRAZEAU RIVER 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)	BRAZEAU RIVER EDMONTON A and	All	None
	BRAZEAU RIVER BELLY RIVER XXX		
b)	BRAZEAU RIVER EDMONTON E and	All	None
	BRAZEAU RIVER LOWER EDMONTON A		
c)	BRAZEAU RIVER BELLY RIVER V and	All	None
	BRAZEAU RIVER BELLY RIVER W		
d)	BRAZEAU RIVER BELLY RIVER X and	00/01-21-047-14W5/0	80
	BRAZEAU RIVER BELLY RIVER FF	00/01-21-047-14W5/0	20
e)	BRAZEAU RIVER BELLY RIVER X,	00/08-19-047-14W5/0	80
	BRAZEAU RIVER BASAL BELLY RIVER D,	00/08-19-047-14W5/0	20
	BRAZEAU RIVER BELLY RIVER X,	00/12-19-047-14W5/0	80
	BRAZEAU RIVER BASAL BELLY RIVER D,	00/12-19-047-14W5/0	20

	BRAZEAU RIVER BELLY RIVER X, and	00/01-24-047-15W5/0	80
	BRAZEAU RIVER BASAL BELLY RIVER D	00/01-24-047-15W5/0	20
f)	BRAZEAU RIVER BELLY RIVER X,	00/15-20-047-14W5/0	45
	BRAZEAU RIVER BASAL BELLY RIVER D, and	00/15-20-047-14W5/0	45
	BRAZEAU RIVER BASAL BELLY RIVER Y	00/15-20-047-14W5/0	10
g)	BRAZEAU RIVER BELLY RIVER X,	00/07-27-047-14W5/0	50
	BRAZEAU RIVER BASAL BELLY RIVER M,	00/07-27-047-14W5/0	50
	BRAZEAU RIVER BELLY RIVER X,	00/16-27-047-14W5/0	50
	BRAZEAU RIVER BASAL BELLY RIVER M,	00/16-27-047-14W5/0	50
	BRAZEAU RIVER BELLY RIVER X,	00/01-29-047-14W5/0	20
	BRAZEAU RIVER BASAL BELLY RIVER M,	00/01-29-047-14W5/0	80
	BRAZEAU RIVER BELLY RIVER X, and	00/07-29-047-14W5/0	10
	BRAZEAU RIVER BASAL BELLY RIVER M	00/07-29-047-14W5/0	90
h)	BRAZEAU RIVER BELLY RIVER FF,	00/13-22-047-14W5/0	50
	BRAZEAU RIVER BASAL BELLY RIVER M,	00/13-22-047-14W5/0	50
	BRAZEAU RIVER BELLY RIVER FF,	00/06-27-047-14W5/0	50
	BRAZEAU RIVER BASAL BELLY RIVER M,	00/06-27-047-14W5/0	50
	BRAZEAU RIVER BELLY RIVER FF,	00/14-27-047-14W5/0	50
	BRAZEAU RIVER BASAL BELLY RIVER M,	00/14-27-047-14W5/0	50
	BRAZEAU RIVER BELLY RIVER FF,	00/01-28-047-14W5/0	50
	BRAZEAU RIVER BASAL BELLY RIVER M,	00/01-28-047-14W5/0	50
	BRAZEAU RIVER BELLY RIVER FF,	00/08-28-047-14W5/0	10
	BRAZEAU RIVER BASAL BELLY RIVER M,	00/08-28-047-14W5/0	90
	BRAZEAU RIVER BELLY RIVER FF, and	00/09-28-047-14W5/0	70
	BRAZEAU RIVER BASAL BELLY RIVER M	00/09-28-047-14W5/0	30
i)	BRAZEAU RIVER BELLY RIVER QQ,	All	None
	BRAZEAU RIVER BELLY RIVER SS, and		
	BRAZEAU RIVER BASAL BELLY RIVER O		

j)	BRAZEAU RIVER BELLY RIVER XX and	00/05-25-047-14W5/0	15
	BRAZEAU RIVER BASAL BELLY RIVER M	00/05-25-047-14W5/0	85
k)	BRAZEAU RIVER BELLY RIVER LLL and	00/08-29-047-13W5/0	25
K)			
	BRAZEAU RIVER BASAL BELLY RIVER V	00/08-29-047-13W5/0	75
I)	BRAZEAU RIVER BELLY RIVER LLL and	All	None
	BRAZEAU RIVER BASAL BELLY RIVER EE		
m)	BRAZEAU RIVER BELLY RIVER TTT,	All	None
,	BRAZEAU RIVER BASAL BELLY RIVER D, and		
	BRAZEAU RIVER BASAL BELLY RIVER I		
n)	BRAZEAU RIVER BELLY RIVER K2K,	All	None
	BRAZEAU RIVER BELLY RIVER Z2Z, and		
	BRAZEAU RIVER BELLY RIVER A3A		
- \		All	Nama
o)	BRAZEAU RIVER BELLY RIVER P2P and	All	None
	BRAZEAU RIVER BELLY RIVER P4P		
p)	BRAZEAU RIVER BELLY RIVER Q2Q and	All	None
	BRAZEAU RIVER BELLY RIVER X2X		
q)	BRAZEAU RIVER BELLY RIVER U2U,	All	None
4)		7 til	140110
	BRAZEAU RIVER BELLY RIVER Y2Y,		
	BRAZEAU RIVER BASAL BELLY RIVER FF, and		
	BRAZEAU RIVER BASAL BELLY RIVER GG		
r)	BRAZEAU RIVER BELLY RIVER B3B and	00/02-16-047-14W5/0	20
	BRAZEAU RIVER BASAL BELLY RIVER HH	00/02-16-047-14W5/0	80
s)	BRAZEAU RIVER BELLY RIVER P3P and	All	None
3)		7 MI	NOTIC
	BRAZEAU RIVER BELLY RIVER Q3Q		
t)	BRAZEAU RIVER BELLY RIVER V3V and	All	None

BRAZEAU RIVER BELLY RIVER W3W

u)	BRAZEAU RIVER BELLY RIVER L4L and	All	None
	BRAZEAU RIVER BASAL BELLY RIVER MM		
v)	BRAZEAU RIVER BELLY RIVER S4S,	All	None
٧)	·	All	None
	BRAZEAU RIVER BELLY RIVER D5D,		
	BRAZEAU RIVER BELLY RIVER E5E,		
	BRAZEAU RIVER BELLY RIVER F5F, and		
	BRAZEAU RIVER BELLY RIVER G5G		
w)	BRAZEAU RIVER BELLY RIVER U4U and	All	None
	BRAZEAU RIVER BASAL BELLY RIVER TT		
\		All	Nana
x)	BRAZEAU RIVER BELLY RIVER Y4Y,	All	None
	BRAZEAU RIVER BELLY RIVER J5J,		
	BRAZEAU RIVER BELLY RIVER P5P,		
	BRAZEAU RIVER BELLY RIVER Q5Q, and		
	BRAZEAU RIVER CARDIUM RR		
y)	BRAZEAU RIVER BELLY RIVER I6I and	All	None
	BRAZEAU RIVER BASAL BELLY RIVER W		
z)	BRAZEAU RIVER BASAL BELLY RIVER A and	All	None
	BRAZEAU RIVER BASAL BELLY RIVER B		
aa)	BRAZEAU RIVER BASAL BELLY RIVER F and	All	None
	BRAZEAU RIVER BASAL BELLY RIVER R		
		All	N
bb)	BRAZEAU RIVER BASAL BELLY RIVER K and	All	None
	BRAZEAU RIVER BASAL BELLY RIVER L		
cc)	BRAZEAU RIVER BASAL BELLY RIVER RR and	All	None
	BRAZEAU RIVER NOTIKEWIN F		

dd)	BRAZEAU RIVER CARDIUM C and	All	None
	BRAZEAU RIVER LOWER MANNVILLE Y		
00)	BRAZEAU RIVER CARDIUM FF,	All	None
ee)		All	None
	BRAZEAU RIVER UPPER MANNVILLE GG,		
	BRAZEAU RIVER LOWER MANNVILLE XX, and		
	BRAZEAU RIVER LOWER MANNVILLE RRR		
	(see clause 4)		
ff)	BRAZEAU RIVER CARDIUM HH,	All	None
	BRAZEAU RIVER VIKING G,		
	BRAZEAU RIVER UPPER MANNVILLE B,		
	BRAZEAU RIVER LOWER MANNVILLE KK, and		
	BRAZEAU RIVER ROCK CREEK LL		
\	DDAZEALI DIVED VIIVINO Marcil	All	None
gg)	BRAZEAU RIVER VIKING M and	All	None
	BRAZEAU RIVER GLAUCONITIC F		
hh)	BRAZEAU RIVER UPPER MANNVILLE A,	All	None
	BRAZEAU RIVER GLAUCONITIC E, and		
	BRAZEAU RIVER ROCK CREEK OO		
ii)	BRAZEAU RIVER UPPER MANNVILLE D and	All	None
11)	BRAZEAU RIVER UPPER MANNVILLE E	All	None
	BRAZEAU RIVER OPPER MAINNVILLE E		
jj)	BRAZEAU RIVER UPPER MANNVILLE U and	All	None
	BRAZEAU RIVER LOWER MANNVILLE JJJ		
I.I.A		ΔII	None
kk)	BRAZEAU RIVER UPPER MANNVILLE FF and	All	None
	BRAZEAU RIVER LOWER MANNVILLE PPP		
II)	BRAZEAU RIVER NOTIKEWIN D and	All	None
	BRAZEAU RIVER ROCK CREEK KK		

mm)	BRAZEAU RIVER GLAUCONITIC C,	All	None
	BRAZEAU RIVER LOWER MANNVILLE AA, and		
	BRAZEAU RIVER ROCK CREEK G		
nn)	BRAZEAU RIVER LOWER MANNVILLE O,	All	None
1111)	BRAZEAU RIVER LOWER MANNVILLE V,	All	None
	BRAZEAU RIVER ROCK CREEK A,		
	BRAZEAU RIVER ROCK CREEK DDD,		
	BRAZEAU RIVER ROCK CREEK QQQ,		
	BRAZEAU RIVER ELKTON-SHUNDA B, and		
	BRAZEAU RIVER SHUNDA J		
00)	BRAZEAU RIVER LOWER MANNVILLE S,	All	None
	BRAZEAU RIVER LOWER MANNVILLE OO, and		
	BRAZEAU RIVER ROCK CREEK K		
	DDA7EALL DIVED LOWED MANIMULE DD	All	None
pp)	BRAZEAU RIVER LOWER MANNVILLE DD and	All	None
	BRAZEAU RIVER ROCK CREEK S		
qq)	BRAZEAU RIVER LOWER MANNVILLE HH,	All	None
	BRAZEAU RIVER LOWER MANNVILLE II,		
	BRAZEAU RIVER ROCK CREEK Z, and		
	BRAZEAU RIVER NORDEGG A		
\	DDAZEALI DIVED I OWED MANIAWILE I Land	All	Nana
rr)	BRAZEAU RIVER LOWER MANNVILLE JJ and	All	None
	BRAZEAU RIVER ROCK CREEK CC		
ss)	BRAZEAU RIVER LOWER MANNVILLE MM and	All	None
	BRAZEAU RIVER ROCK CREEK NN		
++\	DDA7EAH DIVED I OWED MANNAVILLE VV and	ΛII	None
tt)	BRAZEAU RIVER NORDEGG B	All	None
	BRAZEAU RIVER NORDEGG B		

	uu)	BRAZEAU RIVER LOWER MANNVILLE VVV,	All	None
		BRAZEAU RIVER LOWER MANNVILLE WWW, an	d	
		BRAZEAU RIVER ROCK CREEK PPP		
	,	DDAZEALI DIVED LOMED MANIAWILLE ZZZ	A.II.	None
	VV)	BRAZEAU RIVER LOWER MANNVILLE ZZZ and	All	None
		BRAZEAU RIVER ROCK CREEK TTT		
	ww)	BRAZEAU RIVER OSTRACOD B and	All	None
		BRAZEAU RIVER ROCK CREEK U		
	,		A.II	
	XX)	BRAZEAU RIVER ELKTON-SHUNDA A,	All	None
		BRAZEAU RIVER SHUNDA K, and		
		BRAZEAU RIVER SHUNDA L		
2)	Coalbed methane, associated gas, non associated gas, and shale gas production from the BELLY RIVER GRP, CHINOOK MBR, BADHEART FM, CARDIUM FM, DOE CREEK MBR, DUNVEGAN FM, PEACE RIVER FM, SPIRIT RIVER FM, BLUESKY FM, GETHING FM, CADOMIN FM, NIKANASSIN FM, and ROCK CREEK MBR may be taken without segregation in the wellbore from wells in the following areas:			
	IN TOWNSHIP 43, RANGE 12, WEST OF THE 5th MERIDIAN:			
	Sections 1-10, 12, 15-19, 21-22			
	(see clause 5)			
3)	Coalbed methane, associated gas, non associated gas, and shale gas production from the CHINOOK MBR, BADHEART FM, CARDIUM FM, DOE CREEK MBR, DUNVEGAN FM, PEACE RIVER FM, SPIRIT RIVER FM, FALHER MBR, BLUESKY FM, GETHING FM, CADOMIN FM, NIKANASSIN FM, ROCK CREEK MBR, and NORDEGG MBR may be taken without segregation in the wellbore from wells in the following areas:			SPIRIT RIVER FM, REEK MBR, and
	IN TOWNSHIP 44, RANGE 14, WEST OF THE 5th MERIDIAN:			
	Sections 15-22, 27-34			
	IN TOW	/NSHIP 44, RANGE 15, WEST OF THE 5th MERIDIA	N:	
	Sections 25-26, 35-36			
	IN TOW	NSHIP 45, RANGE 14, WEST OF THE 5th MERIDIA	N:	

Sections 4-9, 16-21

IN TOWNSHIP 45, RANGE 15, WEST OF THE 5th MERIDIAN:

Section 13

- 4) The Operator shall segregate the pools within the 00/09-30-047-14W5/0 wellbore during periods when the well is shut-in.
- 5) Operators shall conduct a segregated initial and annual pressure test on the first new well completed in the Belly River and Lower Cretaceous zones in the NE and SW quarters of Township 42-12W5. Operators shall also conduct a segregated annual pressure test in the Belly River and Lower Cretaceous zones on 00/07-14-042-12W5, 00/15-18-043-12W5, 00/03-02-043-12W5 wells.
- 6) In the event that the Basal Belly River pool approaches 90% of the fracture pressure, EnCana Corporation is required to mechanically isolate the Notikewin pool from the Basal BellyRiver pool in the 00/15-18-043-12W5 well.
- 7) AER Order No. MU8828 is rescinded.

END OF DOCUMENT