

East Manson Unit No. 8

Waterflood Progress Report 2019

January 1st through December 31st 2019

Prepared for:

Manitoba Industry, Economic Development and Mines

Petroleum Branch

Prepared by:

Tundra Oil and Gas

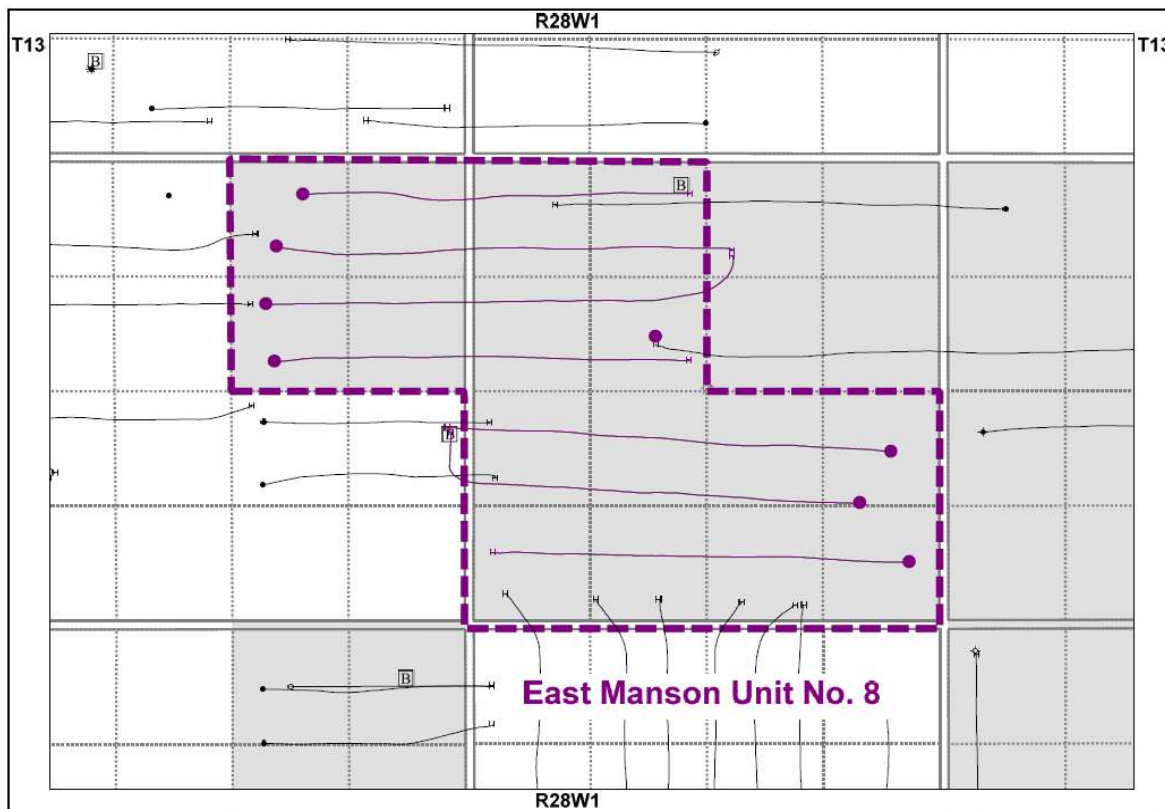
March 17, 2020

INTRODUCTION

East Manson Unit No. 8 Enhanced Oil Recovery (EOR) Waterflood Project was approved November 1, 2017. The Unit area contains 1 producing vertical well and 7 producing horizontal wells, in Township 13, Ranges 28 W1 as shown in the figure below.

This unit is currently not on injection.

Figure 1: East Manson Unit No. 8 Area Outline



East Manson Unit No. 8

Tundra Oil and Gas (Tundra), as the operator of the East Manson Unit No. 8 Enhanced Oil Recovery (EOR) project hereby submits the 2019 EOR report as per section 73 of the Drilling and Production Regulations.

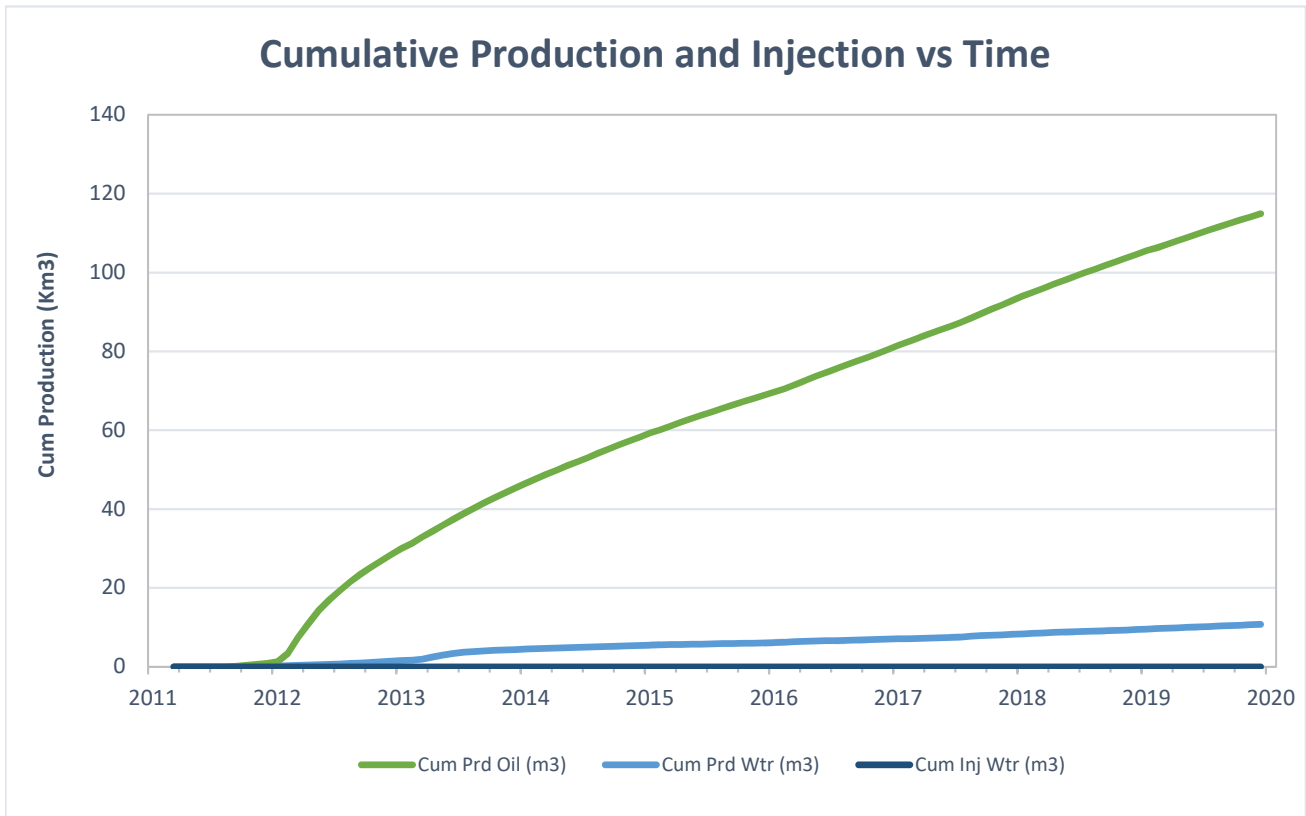
a) Monthly oil and water production rates, injection rate, GOR and WOR

MONTH	Cal Dly Oil m ³ /day	Cal Dly Wtr m ³ /day	Cal Inj Wtr m ³ /day	WOR m ³ /m ³	GOR m ³ /m ³
Jan-2019	29.22	3.10	0.00	0.11	0
Feb-2019	28.41	3.95	0.00	0.14	0
Mar-2019	28.68	3.33	0.00	0.12	0
Apr-2019	28.83	3.34	0.00	0.12	0
May-2019	29.05	4.27	0.00	0.15	0
Jun-2019	29.25	3.23	0.00	0.11	0
Jul-2019	28.34	3.60	0.00	0.13	0
Aug-2019	28.01	3.52	0.00	0.13	0
Sep-2019	27.56	3.52	0.00	0.13	0
Oct-2019	27.20	3.33	0.00	0.12	0
Nov-2019	26.87	3.63	0.00	0.14	0
Dec-2019	26.66	3.54	0.00	0.13	0

b) Cumulative volume of oil, gas and water produced and fluid injected

2019 PRODUCTION	
Produced Oil (m ³)	10,282
Produced Gas (m ³)	0
Produced Water (m ³)	1,287
Fluid Injected (m ³)	0
CUMULATIVE PRODUCTION	
Produced Oil (m ³)	114,917
Produced Water (m ³)	10,759

East Manson Unit No. 8



c) Well List

East Manson Unit No. 8 Well List

<i>UWI</i>	<i>Type</i>	<i>Status</i>	<i>Future Plans</i>
100/10-09-013-28W1/0	Horizontal	Producing	-
102/10-09-013-28W1/0	Horizontal	Producing	-
100/15-09-013-28W1/0	Horizontal	Producing	-
102/15-09-013-28W1/0	Horizontal	Producing	-
100/01-10-013-28W1/0	Horizontal	Producing	-
100/08-10-013-28W1/0	Horizontal	Producing	-
102/08-10-013-28W1/0	Horizontal	Producing	-
100/11-10-013-28W1/0	Vertical	Producing	-