

East Manson Unit No. 8

Waterflood Progress Report 2017

January 1st through December 31st 2017

Prepared for:

Manitoba Industry, Economic Development and Mines

Petroleum Branch

Prepared by:

Tundra Oil and Gas

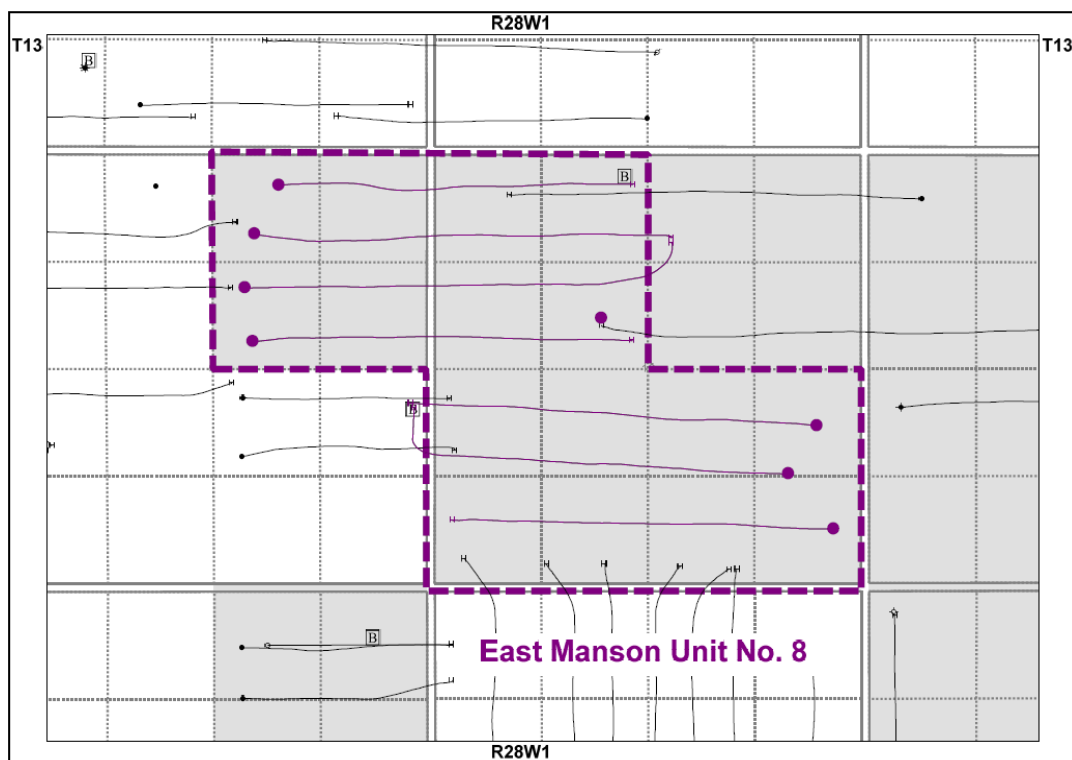
August 10, 2018

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 2017 EOR report as per section 73 of the Drilling and Production Regulations.

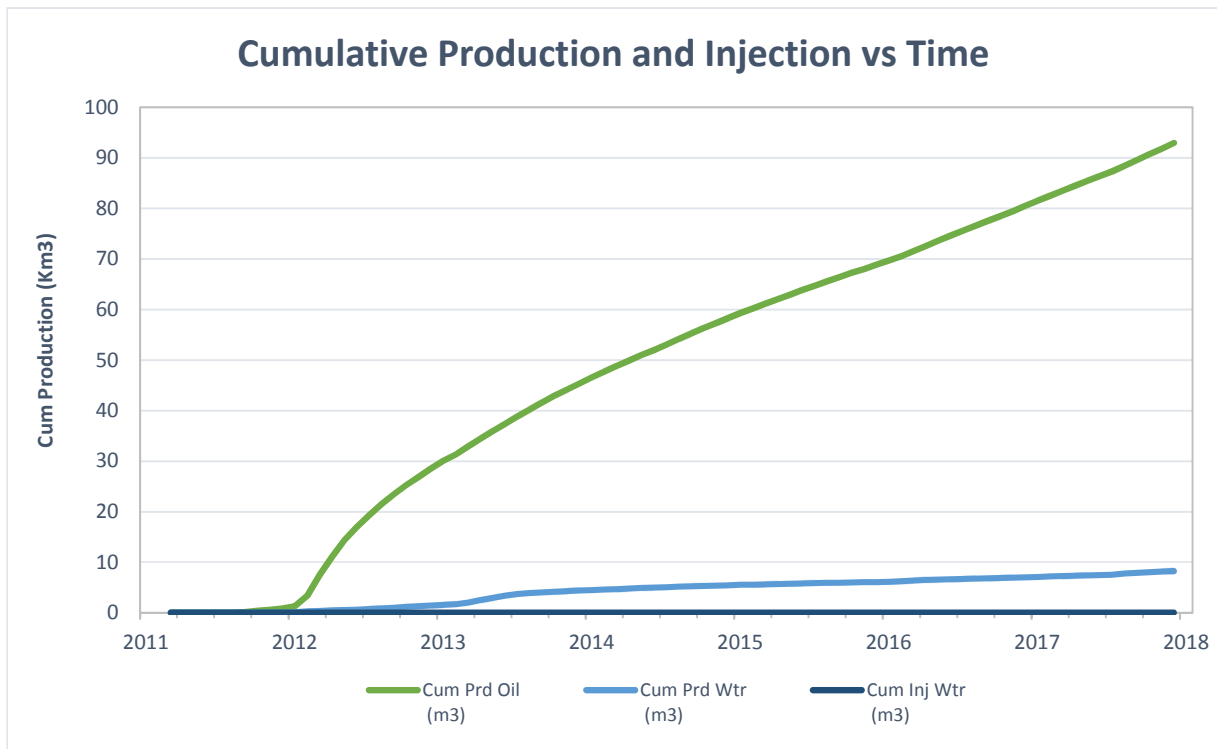
a) Monthly oil and water production rates, injection rate, GOR and WOR

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-2017	33.25	2.47	0.00	0.07	0
Feb-2017	33.76	2.42	0.00	0.07	0
Mar-2017	31.94	2.31	0.00	0.07	0
Apr-2017	33.01	2.16	0.00	0.07	0
May-2017	31.51	2.06	0.00	0.07	0
Jun-2017	30.04	3.52	0.00	0.12	0
Jul-2017	30.09	2.13	0.00	0.07	0
Aug-2017	37.71	7.95	0.00	0.21	0
Sep-2017	38.10	4.34	0.00	0.11	0
Oct-2017	36.40	3.60	0.00	0.10	0
Nov-2017	36.43	3.60	0.00	0.10	0
Dec-2017	36.55	3.56	0.00	0.10	0

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

2017 PRODUCTION	
Produced Oil (m ³)	12,434
Produced Gas (m ³)	0
Produced Water (m ³)	1,223
Fluid Injected (m ³)	0
CUMULATIVE PRODUCTION	
Produced Oil (m ³)	92,943
Produced Water (m ³)	8,230

East Manson Unit No. 8



<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	-