

Ebor Unit No. 3

Waterflood Progress Report 2017

January 1st through December 31st 2017

WIW Conversion

WIW Conversion

Prepared for:

Manitoba Industry, Economic Development and Mines

Petroleum Branch

Prepared by:

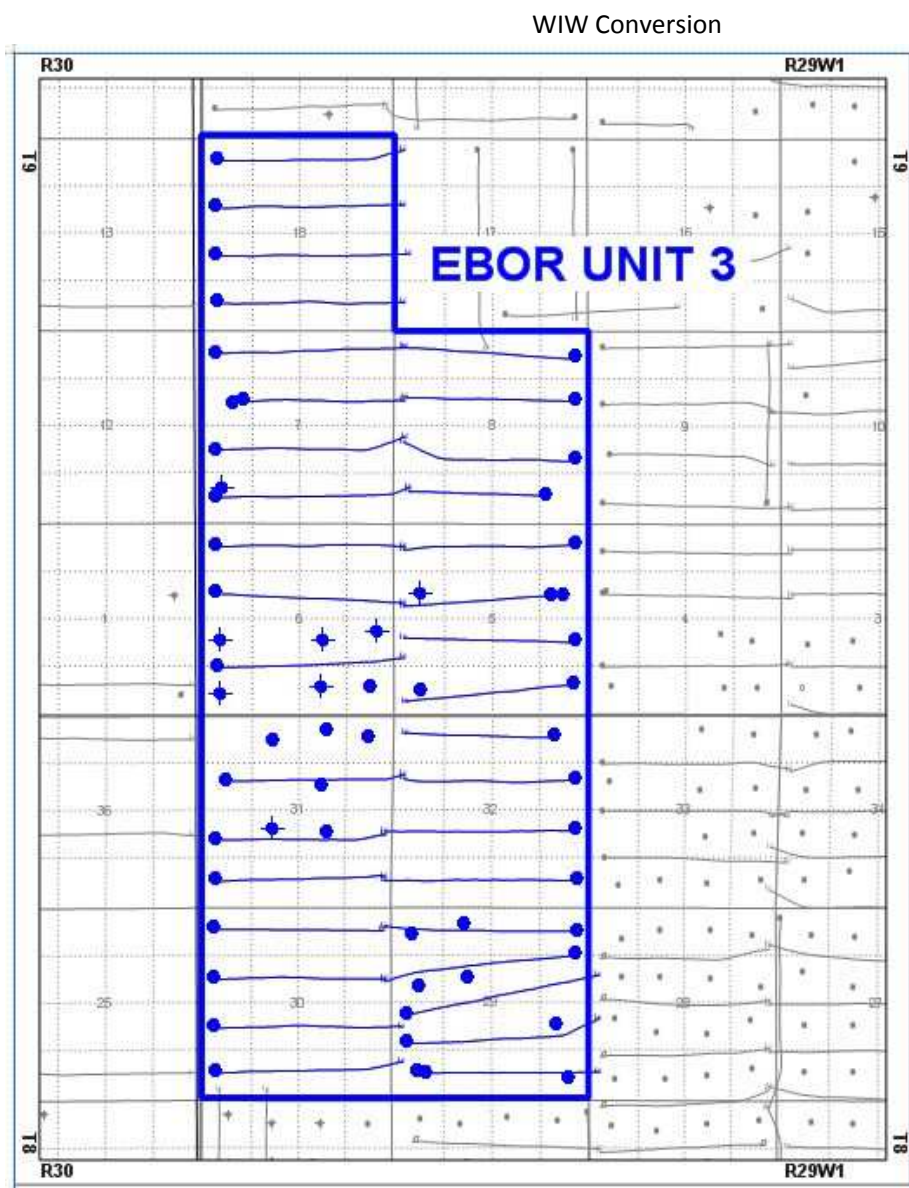
Tundra Oil and Gas

July 24, 2018

INTRODUCTION

Ebor Unit No. 3 Enhanced Oil Recovery (EOR) Waterflood Project was approved under Board Order No. 62 effective October 2017. The Unit area contains 18 abandoned/suspended wells, 41 producing wells, in Townships 8 & 9, Ranges 29 W1 as shown in the figure below. **This unit is currently not on injection.**

Figure 1: Ebor Unit No. 3 Area Outline



Ebor Unit No.3

Tundra Oil and Gas (Tundra), as the operator of the Ebor Unit 3 Enhanced Oil Recovery (EOR) project hereby submits the 2017 EOR report as per section 73 of the Drilling and Production Regulations.

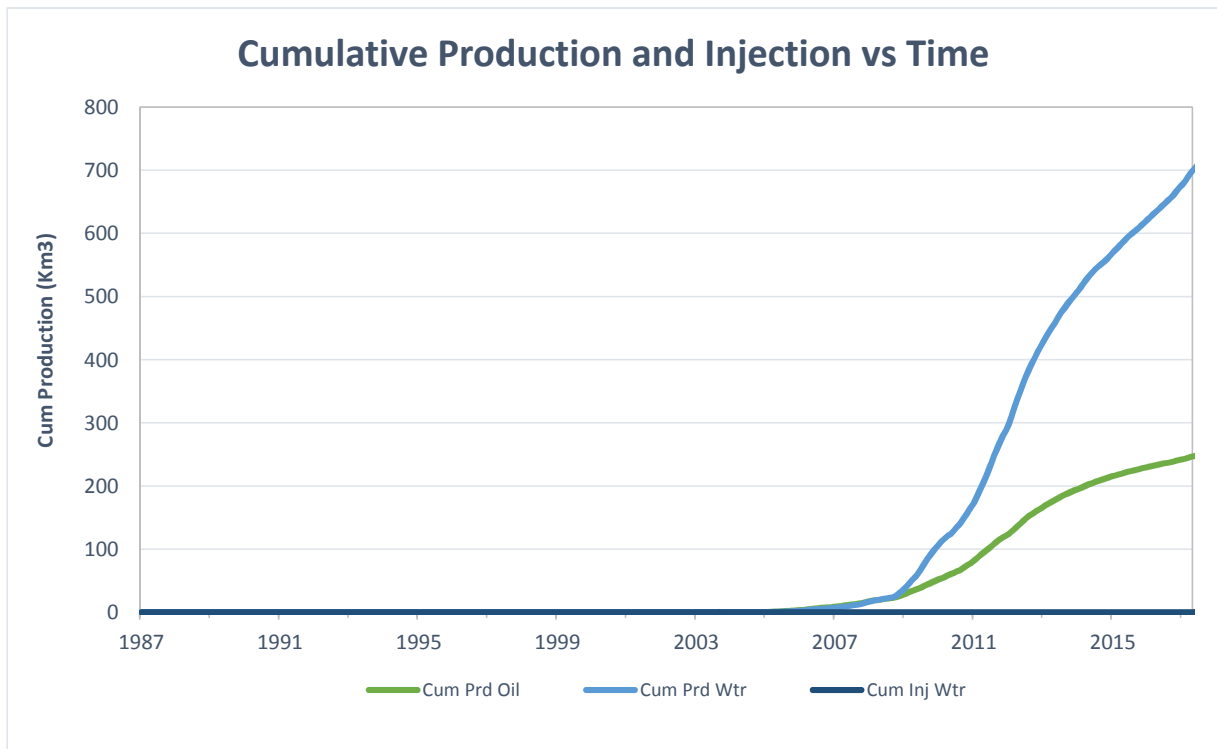
a) Monthly oil and water production rates, WIW Conversion

WIW Conversion					
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	33.06	131.85	0.00	3.99	0
Feb-2017	34.85	145.62	0.00	4.18	0
Mar-2017	32.19	141.87	0.00	4.41	0
Apr-2017	31.80	146.90	0.00	4.62	0
May-2017	31.15	141.70	0.00	4.55	0
Jun-2017	33.53	134.31	0.00	4.01	1.29
Jul-2017	32.23	151.94	0.00	4.71	2.5
Aug-2017	35.52	186.35	0.00	5.25	1.54
Sep-2017	38.63	181.38	0.00	4.70	2.07
Oct-2017	38.73	177.80	0.00	4.59	0.67
Nov-2017	38.17	176.55	0.00	4.62	0
Dec-2017	41.56	229.45	0.00	5.52	0

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

2017 PRODUCTION	
Produced Oil (m ³)	12,817
Produced Gas (m ³)	9
Produced Water (m ³)	59,241
Fluid Injected (m ³)	0
CUMULATIVE PRODUCTION	
Produced Oil (m ³)	244,957
Produced Water (m ³)	689,770

Ebor Unit No.3



<i>UWI</i>	<i>Type</i>	<i>Status</i>	<i>Future Plans</i>
100/01-29-008-29W1/0	Vertical	Producing	-
100/04-29-008-29W1/0	Vertical	Producing	-
102/04-29-008-29W1/0	Horizontal	Producing	-
100/05-29-008-29W1/0	Horizontal	Producing	-
102/05-29-008-29W1/0	Horizontal	Producing	WIW Conversion
100/08-29-008-29W1/0	Vertical	Producing	-
100/09-29-008-29W1/0	Horizontal	Producing	WIW Conversion
100/11-29-008-29W1/0	Vertical	Producing	-
100/12-29-008-29W1/0	Vertical	Producing	-
100/13-29-008-29W1/0	Vertical	Producing	-
100/14-29-008-29W1/0	Vertical	Producing	-
100/16-29-008-29W1/0	Horizontal	Producing	-
100/04-30-008-29W1/0	Horizontal	Producing	-
100/05-30-008-29W1/0	Horizontal	Producing	-
100/12-30-008-29W1/0	Horizontal	Producing	-
100/13-30-008-29W1/0	Horizontal	Producing	-
100/04-31-008-29W1/0	Horizontal	Producing	-
100/05-31-008-29W1/0	Horizontal	Producing	-
100/06-31-008-29W1/0	Vertical	Abandoned	-
100/07-31-008-29W1/0	Vertical	Producing	-
100/10-31-008-29W1/0	Vertical	Producing	-
100/12-31-008-29W1/0	Horizontal	Producing	-
100/14-31-008-29W1/0	Vertical	Producing	-
100/15-31-008-29W1/0	Vertical	Producing	-
100/16-31-008-29W1/0	Vertical	Producing	-
100/01-32-008-29W1/0	Horizontal	Producing	-
100/08-32-008-29W1/0	Horizontal	Producing	-
100/09-32-008-29W1/0	Horizontal	Producing	-
100/16-32-008-29W1/0	Horizontal	Producing	-
100/01-05-009-29W1/0	Horizontal	Producing	-
100/04-05-009-29W1/0	Vertical	Producing	-
100/08-05-009-29W1/0	Horizontal	Producing	-
100/09-05-009-29W1/0	Vertical	Producing	-
102/09-05-009-29W1/0	Horizontal	Producing	-
100/12-05-009-29W1/2	Vertical	Abandoned	-
100/16-05-009-29W1/0	Horizontal	Producing	-
100/01-06-009-29W1/0	Vertical	Producing	-
100/02-06-009-29W1/0	Vertical	Abandoned Zone	-
100/04-06-009-29W1/2	Vertical	Abandoned Zone	-
102/04-06-009-29W1/0	Horizontal	Producing	-
100/05-06-009-29W1/2	Vertical	Abandoned Zone	-
100/07-06-009-29W1/2	Vertical	Abandoned Zone	-
100/08-06-009-29W1/0	Vertical	Abandoned Zone	-
100/12-06-009-29W1/0	Horizontal	Producing	-
100/13-06-009-29W1/0	Horizontal	Producing	-

<i>UWI</i>	<i>Type</i>	<i>Status</i>	<i>Future Plans</i>
100/04-07-009-29W1/0	Vertical	Abandoned Zone	-
102/04-07-009-29W1/0	Horizontal	Producing	-
100/05-07-009-29W1/0	Horizontal	Producing	-
100/12-07-009-29W1/0	Vertical	Producing	-
102/12-07-009-29W1/0	Horizontal	Producing	-
100/13-07-009-29W1/0	Horizontal	Producing	-
102/01-08-009-29W1/0	Horizontal	Producing	-
100/08-08-009-29W1/0	Horizontal	Producing	-
100/09-08-009-29W1/0	Horizontal	Producing	-
100/16-08-009-29W1/0	Horizontal	Producing	-
100/04-18-009-29W1/0	Horizontal	Producing	-
100/05-18-009-29W1/2	Horizontal	Producing	-
100/12-18-009-29W1/0	Horizontal	Producing	-
100/13-18-009-29W1/0	Horizontal	Producing	-