

Ewart Unit No. 13

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

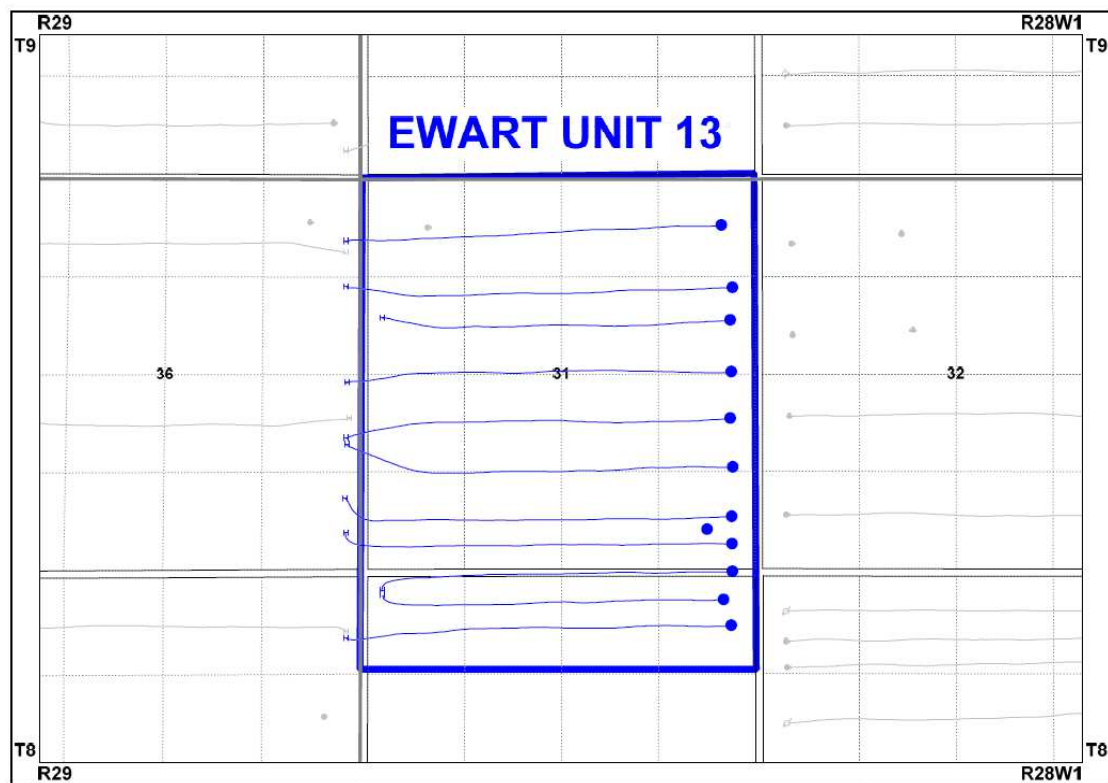
August 7, 2018

INTRODUCTION

Ewart Unit No. 13 Enhanced Oil Recovery (EOR) Waterflood Project was approved effective August 1st, 2017 with Tundra Oil and Gas as Operator. The EOR project area, outlined in blue in Figure 1, contains 1 vertical producing well and 11 horizontal producing wells in 20 LSDs in Township 8, Range 28W1.

This unit is currently not on injection.

Figure 1: Ewart Unit No. 13 Area Outline



Ewart Unit No. 13

Tundra Oil and Gas (Tundra), as the operator of the Ewart Unit No. 13 Enhanced Oil Recovery (EOR) project hereby submits the 2017 EOR report as per section 73 of the Drilling and Production Regulations.

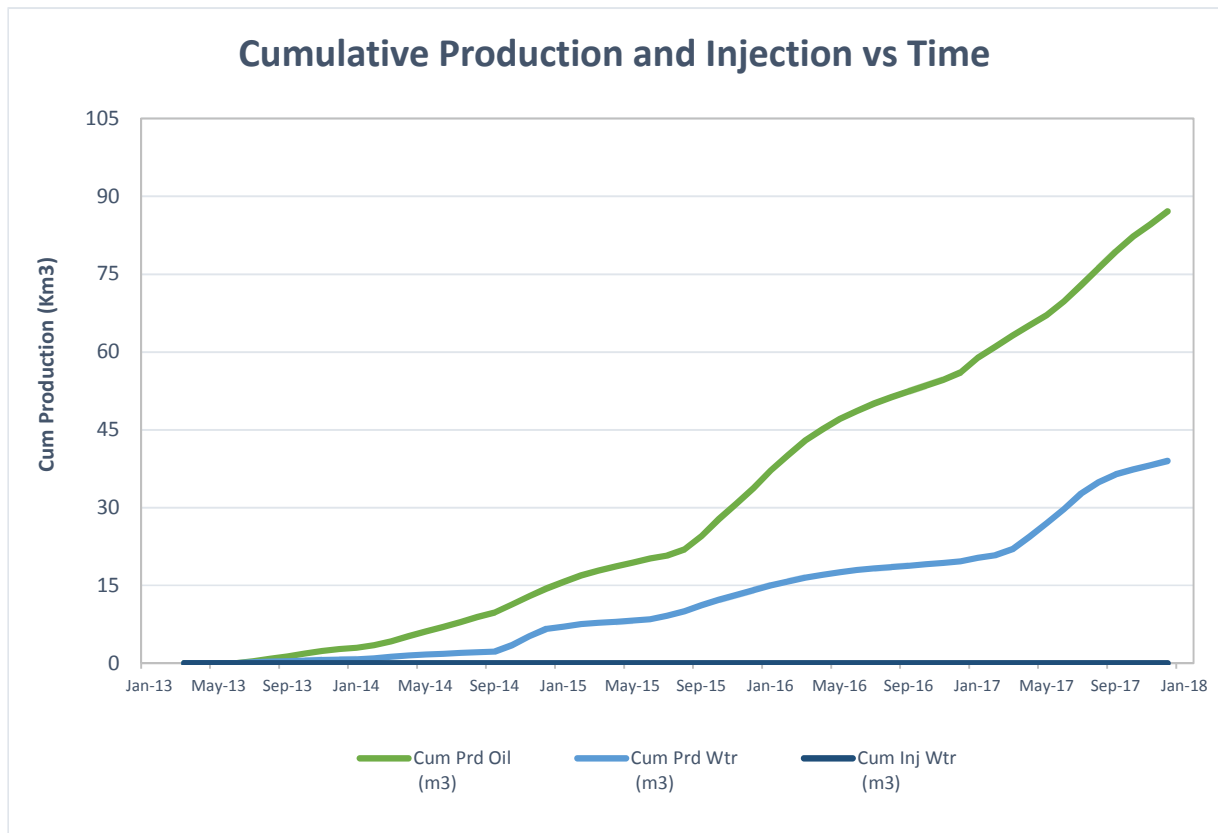
a) Monthly oil and water production rates, injection rate, GOR and WOR

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	90.26	22.02	0.00	0.24	0
Feb-2017	74.78	17.30	0.00	0.23	0
Mar-2017	70.85	37.79	0.00	0.53	0
Apr-2017	64.39	80.55	0.00	1.25	0
May-2017	63.70	82.23	0.00	1.29	0
Jun-2017	89.81	90.57	0.00	1.01	0
Jul-2017	100.29	97.84	0.00	0.98	0
Aug-2017	106.33	70.12	0.00	0.66	0
Sep-2017	107.10	52.04	0.00	0.49	0
Oct-2017	93.40	28.25	0.00	0.30	0
Nov-2017	78.33	26.94	0.00	0.34	0
Dec-2017	80.23	27.64	0.00	0.34	0

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

2017 PRODUCTION	
Produced Oil (m ³)	31,039
Produced Gas (m ³)	0
Produced Water (m ³)	19,330
Fluid Injected (m ³)	0
CUMULATIVE PRODUCTION	
Produced Oil (m ³)	87,094
Produced Water (m ³)	38,982

Ewart Unit No. 13



<i>UWI</i>	<i>Type</i>	<i>Status</i>	<i>Future Plans</i>
102/16-30-008-28W1/0	Horizontal	Producing	WIW Conversion
103/16-30-008-28W1/0	Horizontal	Producing	-
100/01-31-008-28W1/2	Vertical	Producing	-
103/01-31-008-28W1/0	Horizontal	Producing	WIW Conversion
104/01-31-008-28W1/0	Horizontal	Producing	-
105/01-31-008-28W1/0	Horizontal	Producing	-
102/08-31-008-28W1/0	Horizontal	Producing	WIW Conversion
103/08-31-008-28W1/0	Horizontal	Producing	-
102/09-31-008-28W1/0	Horizontal	Producing	WIW Conversion
103/09-31-008-28W1/0	Horizontal	Producing	-
104/09-31-008-28W1/3	Horizontal	Producing	-
103/16-31-008-28W1/0	Horizontal	Producing	-