

Waskada Unit No. 9

Waterflood Progress Report 2018

January 1st through December 31st 2018

Prepared for:

Manitoba Industry, Economic Development and Mines

Petroleum Branch

Prepared by:

Tundra Oil and Gas

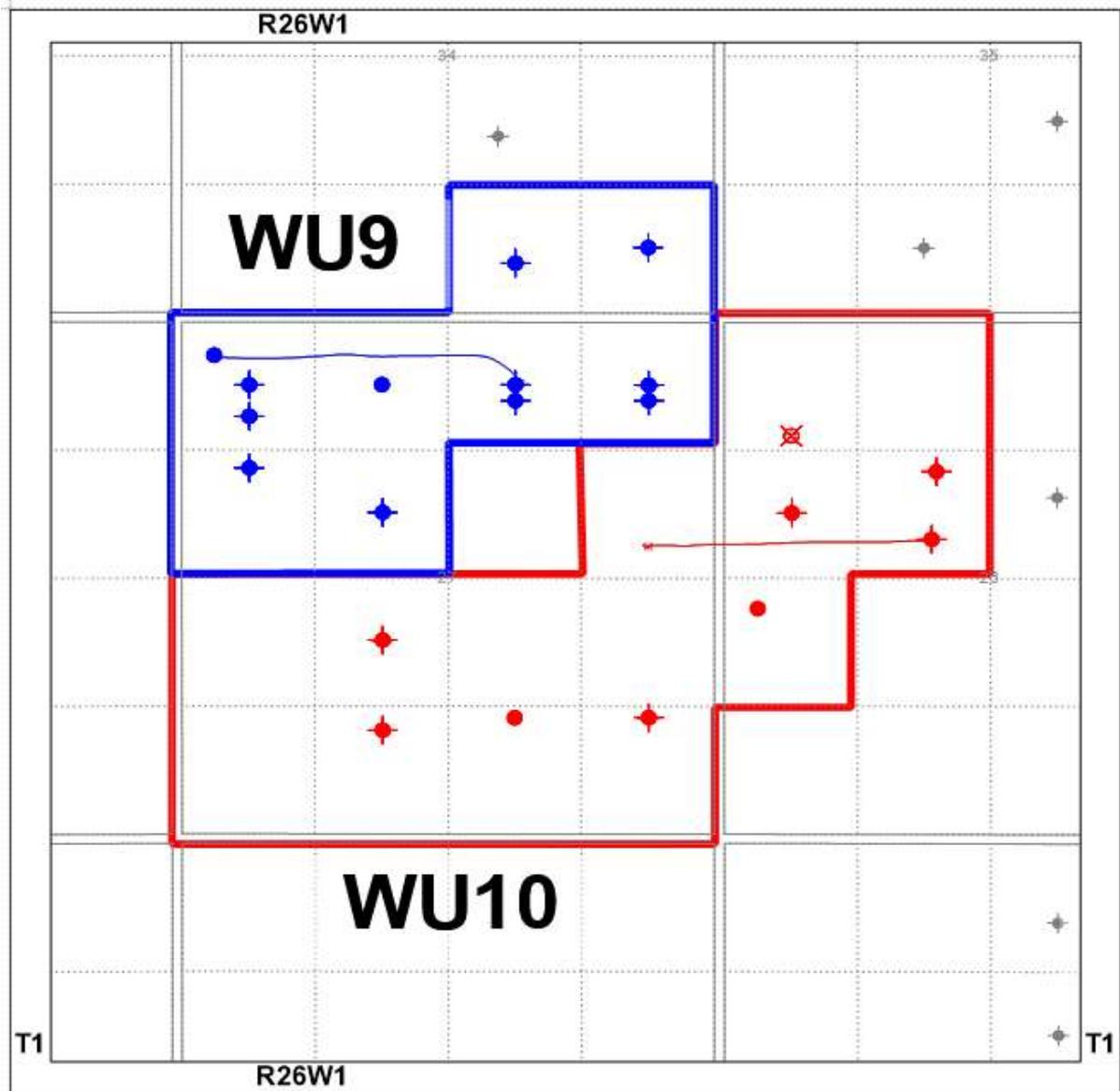
March 8, 2019

INTRODUCTION

Waskada Unit No. 9 Enhanced Oil Recovery (EOR) Waterflood Project was approved under Board Order No. PM 49 effective April 1986. The Unit area contains 10 abandoned wells, including 2 abandoned injectors, and 2 producing wells in 8 LSDs in Township 1, Range 26 W1 as shown in the figure below.

This unit is currently not on injection.

Figure 1: Waskada Unit No. 9 Area Outline



Waskada Unit No. 9

Tundra Oil and Gas (Tundra), as the operator of the Waskada Unit No. 9 Enhanced Oil Recovery (EOR) project hereby submits the 2018 EOR report as per section 73 of the Drilling and Production Regulations.

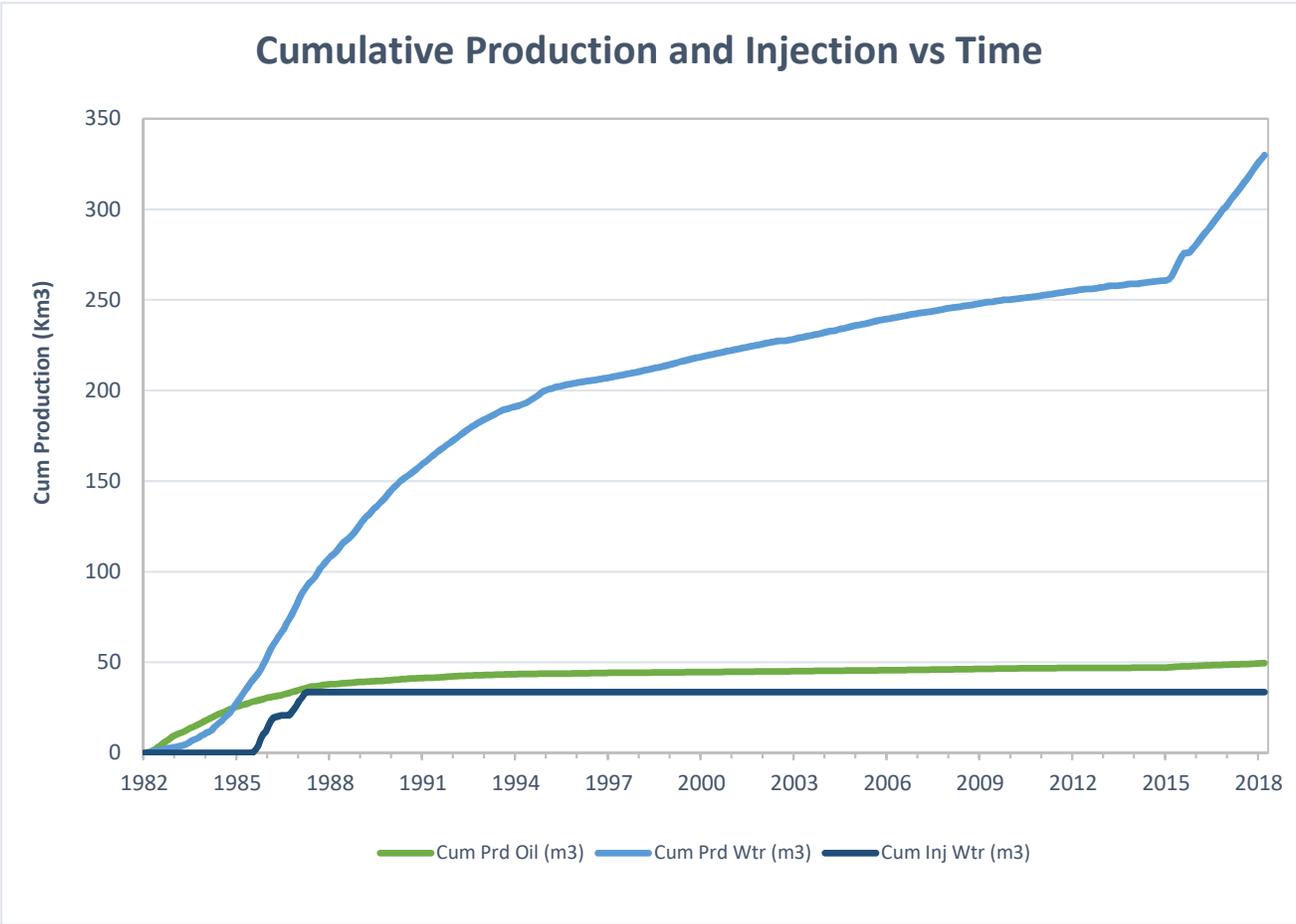
a) Monthly oil and water production rates, injection rate, GOR and WOR

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-2018	1.40	65.61	0.00	46.97	0
Feb-2018	2.03	62.99	0.00	31.11	0
Mar-2018	1.74	61.56	0.00	35.41	0
Apr-2018	1.76	61.35	0.00	34.86	0
May-2018	1.31	59.42	0.00	45.37	0
Jun-2018	1.70	66.38	0.00	39.12	0
Jul-2018	1.96	65.67	0.00	33.43	0
Aug-2018	2.04	67.77	0.00	33.19	0
Sep-2018	2.57	62.82	0.00	24.48	0
Oct-2018	2.47	60.86	0.00	24.66	0
Nov-2018	2.80	61.39	0.00	21.95	0
Dec-2018	2.50	60.68	0.00	24.30	0

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

2018 PRODUCTION	
Produced Oil (m ³)	737
Produced Gas (m ³)	0
Produced Water (m ³)	23,011
Fluid Injected (m ³)	0
CUMULATIVE PRODUCTION	
Produced Oil (m ³)	49,515
Produced Water (m ³)	329,946

Waskada Unit No. 9



c) Well List

Waskada Unit No. 9 Well List

<i>UWI</i>	<i>Type</i>	<i>Status</i>	<i>Future Plans</i>
100/11-27-001-26W1/0	Vertical	Abandoned	-
102/12-27-001-26W1/2	Vertical	Abandoned	-
100/13-27-001-26W1/0	Vertical	Abandoned	-
102/13-27-001-26W1/2	Vertical	Abandoned	-
103/13-27-001-26W1/0	Horizontal	Producing	-
100/14-27-001-26W1/0	Vertical	Producing	-
100/15-27-001-26W1/0	Vertical	Abandoned	-
102/15-27-001-26W1/2	Vertical	Abandoned	-
100/16-27-001-26W1/0	Vertical	Abandoned	-
102/16-27-001-26W1/2	Vertical	Abandoned	-
100/01-34-001-26W1/0	Vertical	Abandoned	-
100/02-34-001-26W1/0	Vertical	Abandoned	-