


WASKADA UNIT NO. 23  
Waterflood Progress Report 2020

Prepared for:  
Manitoba Industry, Economic Development and Mines  
Petroleum Branch

Prepared by:

The logo for Tundra Oil & Gas features a stylized circular emblem on the left. This emblem is composed of several concentric, curved lines in shades of gold and black, creating a sense of motion or a stylized 'C' shape. To the right of this emblem, the words "TUNDRA OIL & GAS" are written in a dark blue, serif, all-caps font.

**TUNDRA OIL & GAS**

Date: 2021-08-26

## Introduction

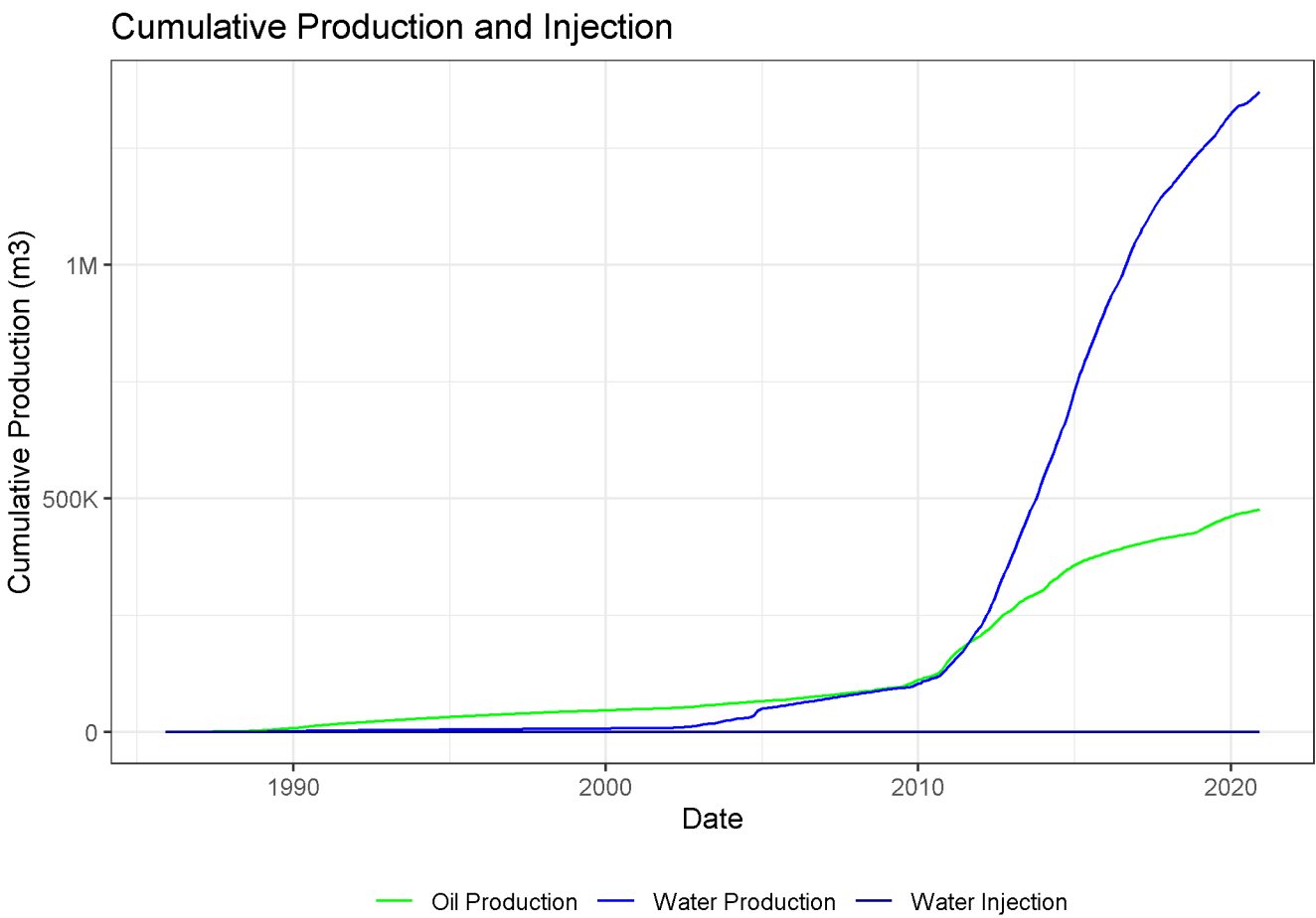
Waskada Unit No. 23 Enhanced Oil Recovery (EOR) Waterflood Project was approved November 1, 2017. Waskada Unit No. 23 area contains wells in 50 Legal Sub Divisions (LSD) in Townships 1 and 2, Range 25 W1. The Unit contains 81 wells. 45 producers, 0 injectors, and 36 abandoned/suspended/other.

## Monthly oil and water production rates, injection rate, GOR and WOR

MONTH	Cal Day Oil m3/d	Cal Day Water m3/d	Cal Day Injection m3/d	WOR	GOR
JAN 2020	69.25	236.75	0	3.42	0
FEB 2020	68.48	208.12	0	3.04	0
MAR 2020	63.09	179.46	0	2.84	0
APR 2020	55.20	187.33	0	3.39	0
MAY 2020	26.57	33.55	0	1.26	0
JUN 2020	33.87	62.98	0	1.86	0
JUL 2020	34.41	91.54	0	2.66	0
AUG 2020	37.37	113.02	0	3.02	0
SEP 2020	33.96	131.72	0	3.88	0
OCT 2020	42.78	186.68	0	4.36	0
NOV 2020	39.49	179.10	0	4.54	0
DEC 2020	43.54	154.04	0	3.54	0
Average	45.67	147.02	0		

Year summary of produced oil, gas, water and fluid injected

Categories	m3
Oil Production	16,691
Water Production	53,716
Gas Production	0
Water Injection	0
Cumulative Oil	476,648
Cumulative Water	1,370,662
Cumulative Injection	0



Monthly Wellhead Pressure

NO INJECTION

Monthly Injected Volumes

NO INJECTION

## Voidage

NO INJECTION

## Workovers

UWI	Date	Description
100.06-03-002-25W1.00	2020-10-24	Rigless Acid Stimulation
102.06-03-002-25W1.00	2020-11-23	Rigless Acid Stimulation

## Well List

UWI	Type	Status
100.03-35-001-25W1.00	Horizontal	Producing
102.03-35-001-25W1.00	Horizontal	Producing
103.03-35-001-25W1.00	Horizontal	Producing
100.11-35-001-25W1.00	Horizontal	Producing
100.14-35-001-25W1.00	Horizontal	Suspended
102.14-35-001-25W1.00	Horizontal	Producing
103.14-35-001-25W1.00	Horizontal	Suspended
102.15-35-001-25W1.00	Horizontal	Producing
103.15-35-001-25W1.00	Horizontal	Producing
104.15-35-001-25W1.00	Horizontal	Producing
100.01-02-002-25W1.00	Vertical	Producing
100.02-02-002-25W1.00	Horizontal	Producing
102.02-02-002-25W1.00	Horizontal	Producing
103.02-02-002-25W1.00	Horizontal	Suspended
100.03-02-002-25W1.00	Vertical	Abandoned Zone
102.03-02-002-25W1.00	Horizontal	Producing
103.03-02-002-25W1.00	Horizontal	Producing
104.03-02-002-25W1.00	Horizontal	Producing
100.05-02-002-25W1.00	Vertical	Abandoned Zone
102.06-02-002-25W1.00	Horizontal	Producing
103.06-02-002-25W1.00	Horizontal	Producing
100.07-02-002-25W1.00	Vertical	Producing
102.07-02-002-25W1.00	Horizontal	Producing
103.07-02-002-25W1.00	Horizontal	Producing
104.07-02-002-25W1.00	Horizontal	Producing
100.13-02-002-25W1.00	Horizontal	Producing
100.14-02-002-25W1.00	Horizontal	Suspended
102.01-03-002-25W1.00	Horizontal	Producing
103.01-03-002-25W1.00	Horizontal	Producing
104.01-03-002-25W1.00	Horizontal	Producing
100.02-03-002-25W1.00	Vertical	Producing
100.03-03-002-25W1.00	Vertical	Abandoned Zone
100.03-03-002-25W1.02	Vertical	Abandoned Zone
102.03-03-002-25W1.00	Horizontal	Producing
103.03-03-002-25W1.00	Horizontal	Producing
100.06-03-002-25W1.00	Horizontal	Producing
102.06-03-002-25W1.00	Horizontal	Producing
100.07-03-002-25W1.00	Vertical	Producing
100.08-03-002-25W1.00	Vertical	Producing
102.08-03-002-25W1.00	Horizontal	Producing
103.08-03-002-25W1.00	Horizontal	Producing
104.08-03-002-25W1.00	Horizontal	Suspended
105.08-03-002-25W1.00	Horizontal	Producing

UWI	Type	Status
106.08-03-002-25W1.00	Horizontal	Producing
100.09-03-002-25W1.00	Horizontal	Producing
102.09-03-002-25W1.00	Horizontal	Producing
100.10-03-002-25W1.00	Horizontal	Producing
100.11-03-002-25W1.00	Vertical	Producing
102.11-03-002-25W1.00	Horizontal	Producing
103.11-03-002-25W1.00	Horizontal	Producing
100.16-03-002-25W1.00	Horizontal	Producing
102.16-03-002-25W1.00	Horizontal	Producing
100.01-04-002-25W1.00	Vertical	Producing
100.02-04-002-25W1.00	Horizontal	Producing
102.02-04-002-25W1.00	Horizontal	Producing
103.02-04-002-25W1.00	Horizontal	Producing
100.07-04-002-25W1.02	Vertical	Producing
102.07-04-002-25W1.00	Horizontal	Producing
103.07-04-002-25W1.00	Horizontal	Producing
104.07-04-002-25W1.00	Horizontal	Producing
100.01-10-002-25W1.00	Vertical	Abandoned Zone
100.03-11-002-25W1.00	Horizontal	Producing
102.03-11-002-25W1.00	Horizontal	Producing
103.03-11-002-25W1.00	Horizontal	Potential
104.03-11-002-25W1.00	Horizontal	Suspended
100.06-11-002-25W1.00	Horizontal	Suspended
102.06-11-002-25W1.00	Horizontal	Producing
100.09-11-002-25W1.00	Horizontal	Producing
102.09-11-002-25W1.00	Horizontal	Potential
102.12-11-002-25W1.00	Horizontal	Producing
102.15-11-002-25W1.00	Horizontal	Potential
103.15-11-002-25W1.00	Horizontal	Producing
100.05-35-001-25W1.00	Vertical	Abandoned Zone
100.13-35-001-25W1.00	Vertical	Abandoned Zone
100.15-35-001-25W1.00	Vertical	Abandoned Zone
100.01-03-002-25W1.00	Vertical	Abandoned
100.04-03-002-25W1.00	Vertical	Abandoned Zone
100.12-11-002-25W1.00	Vertical	Abandoned Zone
100.13-11-002-25W1.00	Vertical	Abandoned Zone
100.14-11-002-25W1.00	Vertical	Abandoned Zone
100.15-11-002-25W1.00	Vertical	Abandoned Zone