


DALY UNIT NO. 5 - PM 63
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

Daly Unit No. 5 Enhanced Oil Recovery (EOR) Waterflood Project was approved under Board Order No. PM 63 effective August 1st, 1990 with Tundra Oil and Gas as Operator. The EOR project area contains wells over 6 LSDs in Township 9, Range 29W1. The Unit contains 7 wells. 1 producers, 0 injectors, and 6 abandoned/suspended/other.

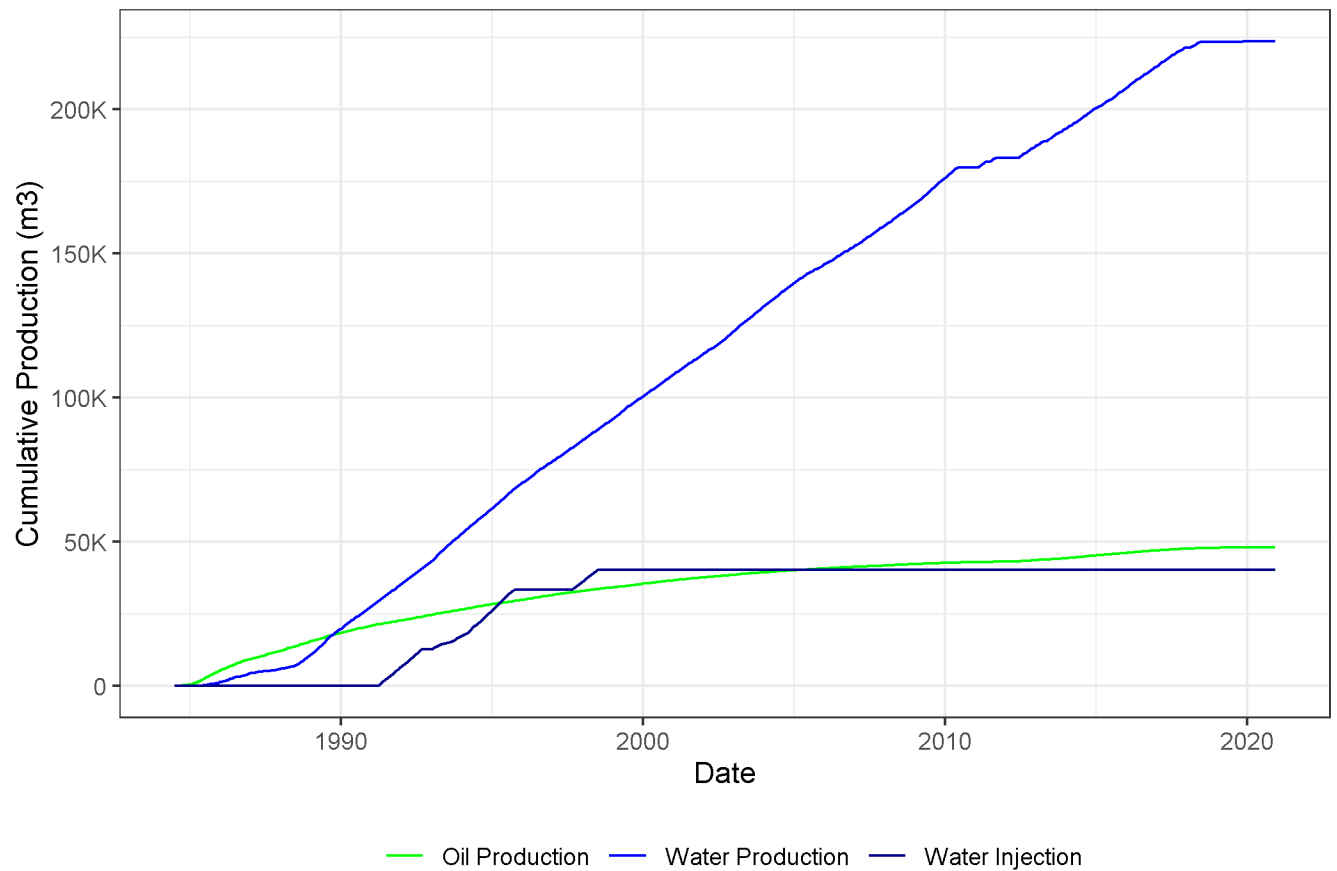
Monthly oil and water production rates, injection rate, GOR and WOR

MONTH	Cal Day Oil m3/d	Cal Day Water m3/d	Cal Day Injection m3/d	WOR	GOR
JAN 2020	0.38	0.05	0	0.13	0
FEB 2020	0.39	0.04	0	0.10	0
MAR 2020	0.40	0.05	0	0.12	0
APR 2020	0.39	0.04	0	0.10	0
MAY 2020	0.37	0.04	0	0.11	0
JUN 2020	0.14	0.01	0	0.07	0
SEP 2020	0.08	0.01	0	0.12	0
OCT 2020	0.40	0.05	0	0.12	0
NOV 2020	0.40	0.04	0	0.10	0
DEC 2020	0.39	0.05	0	0.13	0
Average	0.33	0.04	0		

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

Categories	m3
Oil Production	102
Water Production	11
Gas Production	0
Water Injection	0
Cumulative Oil	48,130
Cumulative Water	223,477
Cumulative Injection	40,225

Cumulative Production and Injection



Monthly Wellhead Pressure

NO INJECTION

Monthly Injected Volumes

NO INJECTION

Voidage

All Volumes are in m3 Oil Formation Volume Factor (Rm3/Sm3) = 1.05								
MONTH	Oil	Water	Injection	Cumulative Oil	Cumulative Water	Cumulative Injection	VRR	Cumulative VRR
JAN 2020	12	1	0	48,051	223,465	40,225	0	0.147
FEB 2020	11	1	0	48,062	223,466	40,225	0	0.147
MAR 2020	12	1	0	48,074	223,467	40,225	0	0.147
APR 2020	12	1	0	48,086	223,468	40,225	0	0.147
MAY 2020	12	1	0	48,098	223,469	40,225	0	0.147
JUN 2020	4	0	0	48,102	223,469	40,225	0	0.147
SEP 2020	2	0	0	48,104	223,469	40,225	0	0.147
OCT 2020	12	1	0	48,116	223,470	40,225	0	0.147
NOV 2020	12	1	0	48,128	223,471	40,225	0	0.147
DEC 2020	12	1	0	48,140	223,472	40,225	0	0.147

Workovers

UWI	Date	Description
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Well List

UWI	Type	Status
100.12-27-009-29W1.00	Vertical	Commingled
100.13-27-009-29W1.00	Vertical	Producing
100.08-28-009-29W1.00	Vertical	Commingled
100.09-28-009-29W1.00	Vertical	Abandoned
102.09-28-009-29W1.00	Vertical	Abandoned Zone
100.10-28-009-29W1.00	Vertical	Producing
100.16-28-009-29W1.00	Vertical	Abandoned Zone