

SINCLAIR UNIT NO. 17

Waterflood Progress Report 2020

Prepared for:

Manitoba Industry, Economic Development and Mines

Petroleum Branch

Prepared by:



TUNDRA OIL & GAS

Date: 2021-08-26

Introduction

Sinclair Unit No. 17 Enhanced Oil Recovery (EOR) Waterflood Project was approved on March 1, 2016 with Tundra Oil and Gas (Tundra) as Operator. The EOR Unit area contains wells in 48 LSDs in Township 8 Range 28 W1. The Unit contains 24 wells. 19 producers, 0 injectors, and 5 abandoned/suspended/other.

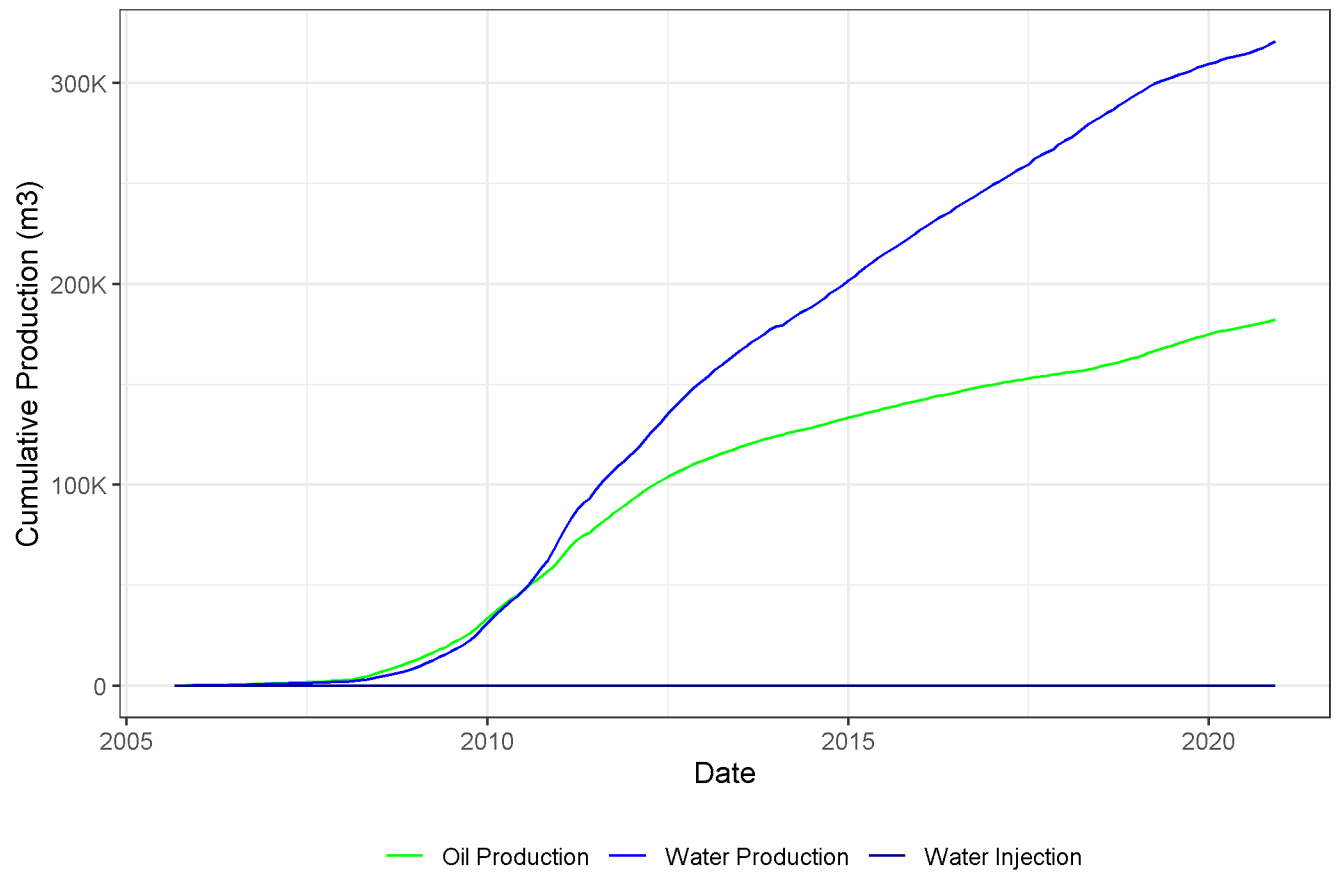
Monthly oil and water production rates, injection rate, GOR and WOR

MONTH	Cal Day Oil m3/d	Cal Day Water m3/d	Cal Day Injection m3/d	WOR	GOR
JAN 2020	28.90	24.52	0	0.85	0
FEB 2020	26.94	24.22	0	0.90	0
MAR 2020	21.34	38.96	0	1.83	0
APR 2020	18.86	37.63	0	2.00	0
MAY 2020	19.54	20.95	0	1.07	0
JUN 2020	16.22	15.02	0	0.93	0
JUL 2020	17.93	24.27	0	1.35	0
AUG 2020	20.80	33.47	0	1.61	0
SEP 2020	22.93	33.85	0	1.48	0
OCT 2020	22.87	37.38	0	1.63	0
NOV 2020	25.59	49.87	0	1.95	0
DEC 2020	26.36	48.54	0	1.84	0
Average	22.36	32.39	0		

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

Categories	m3
Oil Production	8,180
Water Production	11,865
Gas Production	0
Water Injection	0
Cumulative Oil	182,401
Cumulative Water	320,608
Cumulative Injection	0

Cumulative Production and Injection



Monthly Wellhead Pressure

NO INJECTION

Monthly Injected Volumes

NO INJECTION

Voidage

NO INJECTION

Workovers

UWI	Date	Description
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Well List

UWI	Type	Status
100.12-09-007-28W1.00	Vertical	Producing
100.01-19-008-28W1.00	Horizontal	Producing
100.04-19-008-28W1.00	Vertical	Producing
102.04-19-008-28W1.00	Horizontal	Producing
100.08-19-008-28W1.02	Vertical	Producing
102.08-19-008-28W1.00	Horizontal	Producing
100.09-19-008-28W1.00	Horizontal	Producing
100.14-19-008-28W1.00	Vertical	Abandoned Zone
100.16-19-008-28W1.00	Horizontal	Producing
103.16-19-008-28W1.00	Horizontal	Producing
100.01-30-008-28W1.00	Horizontal	Producing
100.08-30-008-28W1.00	Horizontal	Producing
103.08-30-008-28W1.00	Horizontal	Producing
100.09-30-008-28W1.00	Vertical	Abandoned Zone
102.09-30-008-28W1.00	Horizontal	Producing
104.09-30-008-28W1.00	Horizontal	Injection
100.16-30-008-28W1.00	Horizontal	Producing
100.01-31-008-28W1.00	Vertical	Abandoned Zone
102.01-31-008-28W1.00	Horizontal	Producing
100.08-31-008-28W1.00	Horizontal	Producing
100.09-31-008-28W1.00	Horizontal	Producing
100.13-31-008-28W1.00	Vertical	Abandoned Zone
100.16-31-008-28W1.00	Vertical	Abandoned Zone
102.16-31-008-28W1.00	Horizontal	Producing