



**Table 1. Third Tier EOR Factor Calculation**

Daly Unit #17	
Unit	Daly Unit No. 17
Operator	Corex Resources Ltd.
Legal Subdivisions	7
Effective Date of Third EOR Production	October 1, 2020
Cumulative Unit Production to April 30, 2020 (m <sup>3</sup> )	30,540.0
Primary Recoverable Reserves (m <sup>3</sup> )	99,948.0
Incremental EOR Rec. Reserves (IERR) (m <sup>3</sup> )	117,907.0
Total Remaining Rec. Reserves (TRES) (m <sup>3</sup> )	187,315.0
Third Tier EOR Factor (TTEF)	0.6295



**Minister of  
Agriculture and Resource Development**

Legislative Building  
WINNIPEG, MANITOBA, CANADA  
R3C 0V8

**MINISTERIAL ORDER**

**Subsection 116(2)  
THE OIL AND GAS ACT**

**WATERFLOOD ORDER NO. 80**

**Pertaining to Waterflood Operations  
in Daly Unit No. 17**

- 1.0 The Unit Operator shall conduct waterflood operations by injecting water into the Daly Sinclair Lodgepole Pool underlying Daly Unit No. 17 ("the Unit") through the wells listed in Schedule A. The Director may approve the conversion of additional wells in the Unit to water injection.
- 1.1 Every injection well shall be completed as approved under Section 47 of the Drilling and Production Regulation ("the Regulation").
- 1.2 The maximum wellhead pressure at which water may be injected is 8 000 kPa.
- 1.3 The Director may, from time to time, establish a maximum or minimum rate at which water may be injected into a well.
- 1.4 The annulus of each injection well shall be pressure tested in accordance with Section 50 of the Regulation.
- 2.0 The Unit Operator shall conduct an annual survey to determine the level and distribution of reservoir pressure in the Unit. A summary of the results of any pressure surveys conducted during the year are to be included in the annual waterflood progress report required under Section 73 of the Regulation.
- 2.1 The frequency of pressure surveys may be reduced where the Director is satisfied that more frequent surveys will not assist the Unit Operator in monitoring the effectiveness of the waterflood.
- 2.2 The Unit Operator is responsible for monitoring the effectiveness of the waterflood and for collecting such reservoir data and other information as is necessary to evaluate and optimize waterflood performance.

- 2.3 The Unit Operator shall advise the Petroleum Branch of the suspension of water injection at any well, any indication of channelling or breakthrough of injected water to a producing well or out of zone and any other detrimental effects that may be attributable to the waterflood operations.
- 3.0 The Unit Operator shall file a report of production or injection for each well in the Unit in accordance with Section 120 of the Regulation.
- 4.0 The Unit Operator shall file an annual waterflood progress report in accordance with Section 73 of the Regulation.
- 5.0 Only Lodgepole Formation source water is approved to be injected into the Unit. Any other source of water must be approved by the Petroleum Branch prior to injection.

Date

\_\_\_\_\_  
Director of Petroleum for  
Minister Agriculture and Resource Development

**SCHEDULE A**

**WATERFLOOD ORDER NO. 80**

**DALY UNIT NO. 17**

**WATER INJECTION WELLS**

<b>WELL NAME</b>	<b>LSD</b>	<b>SEC</b>	<b>TWP</b>	<b>RGE</b>
Daly Unit No. 17 HZNTL WIW	13	05	10	28
Daly Unit No. 17 HZNTL WIW	12	05	10	28