

May 7, 2020

2000-4800-59240-09

Paula Martin, P.Eng.  
Exploitation Manager  
Enercapita Energy Limited  
600, 435 – 4<sup>th</sup> Ave S.W.  
CALGARY, AB T2P 3A8

Dear Ms. Martin:

**RE: APPLICATION FOR PRESSURE MAINTENANCE WATERFLOOD  
SPECIAL PROJECT  
BOUNDARY LAKE FIELD – HALFWAY “M” POOL**

The Commission has reviewed the application dated March 11<sup>th</sup>, 2020 requesting pressure maintenance waterflood approval (PMWF) for the Boundary Lake field – Halfway ‘M’ pool.

The review of the Boundary Lake field Halfway ‘M’ pool and application is complete and the PMWF will be approved pending wellbore integrity verification including casing integrity log of the proposed injector Enercapita Boundary 04-21-086-13 (WA 23861). Wellbore verification requirements are outlined in the injection well section of ‘Water Service Wells – Summary Information’ document <https://bcogc.ca/industry-zone/documentation/Subsurface-Disposal> . The submission of this information will complete the application requirements.

Examination of pool mapping, reservoir pressure and production data resulted in combination of the adjacent Halfway ‘K’ pool with the Halfway ‘M’ pool. The PMWF application area is located in this Halfway ‘M’ pool. Single pool mapping will be beneficial in optimizing the operation of the waterflood.

The Special Project PMWF approval will include a condition of a maximum wellhead injection pressure (MWHIP) of 11,060 kPa. The effective date of the project will be upon commencement of injection operation. Project oil production will be subject to a daily oil allowable (DOA) of 324.6 m<sup>3</sup>/d with a GOR adjustment factor applied. The increased DOA is based on a higher expected oil recovery factor. Based on recent monthly production volumes, this allowable will not limit operation. The existing Concurrent Production approvals, Order 11-07-001 Amendment #2 for the Boundary Lake Halfway ‘K’ pool and Order 11-07-002 Amendment #2 for the Boundary Lake Halfway ‘M’ pool will be terminated upon the start date for water injection. A voidage replacement based production limit, requested in the application, is only approved once the effectiveness of the waterflood has been proven, from production and pressure response.

Should you have any questions, please contact Petra Kriescher-Trudgeon at (250) 419-4415 or the undersigned at (250) 419-4430.

Sincerely,



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Ron Stefik, Eng.L.  
Supervisor, Reservoir Engineering  
Oil and Gas Commission