



Application for Approval of a Single Cycle Steam Test

1. An application under section 17.1 of *The Oil and Gas Conservation Act* for approval of a single cycle steam test shall include:
 - (a) The history of each well to be stimulated including:
 - (i) the past and present status;
 - (ii) oil, water, and gas production (injection) history;
 - (iii) details of the existing completion type and well equipment;
 - (iv) details of the reservoir fluid properties;
 - (v) reservoir parameters such as net pay, porosity, permeability, and interstitial water content;
 - (vi) primary drive mechanism for the reservoir;
 - (vii) original oil-in-place, recoverable reserves under primary and secondary recovery mechanisms (if applicable), and the remaining recoverable reserves for each well.
 - (b) A complete description of the procedure which will be used including:
 - (i) the required completion and well equipment changes;
 - (ii) anticipated steam source, quality, pressures, feed rates, and the total amount to be injected (include the estimated formation fracture pressure).
 - (c) An estimate of oil recovery per steam cycle and the ultimate cyclic steam recovery, based on the results of similar tests (to which the applicant has access) if any have been conducted in the area.
 - (d) Maps showing:
 - (i) structure contours in the area of the proposed test well to show its relationship with the adjacent wells (indicate the status and completed zones for these wells);
 - (ii) the lessors (mineral owners) and lessees in the immediate area of the proposed test.

- (e) Copies of consent letters from:
 - (i) adjacent lessors and lessees who might reasonable be affected by the test;
 - (ii) Sask Water (if applicable).
- 2. The submission shall be in written and illustrated form, signed by an officer of the company making the application, and appropriately bound.
- 3. Submit two (2) copies of each application to:

Engineering Services Branch
Saskatchewan Industry and Resources
200 - 2101 Scarth Street
Regina, Saskatchewan S4P 2H9
- 4. For further information contact Garth Simmons at (306) 787-2601.