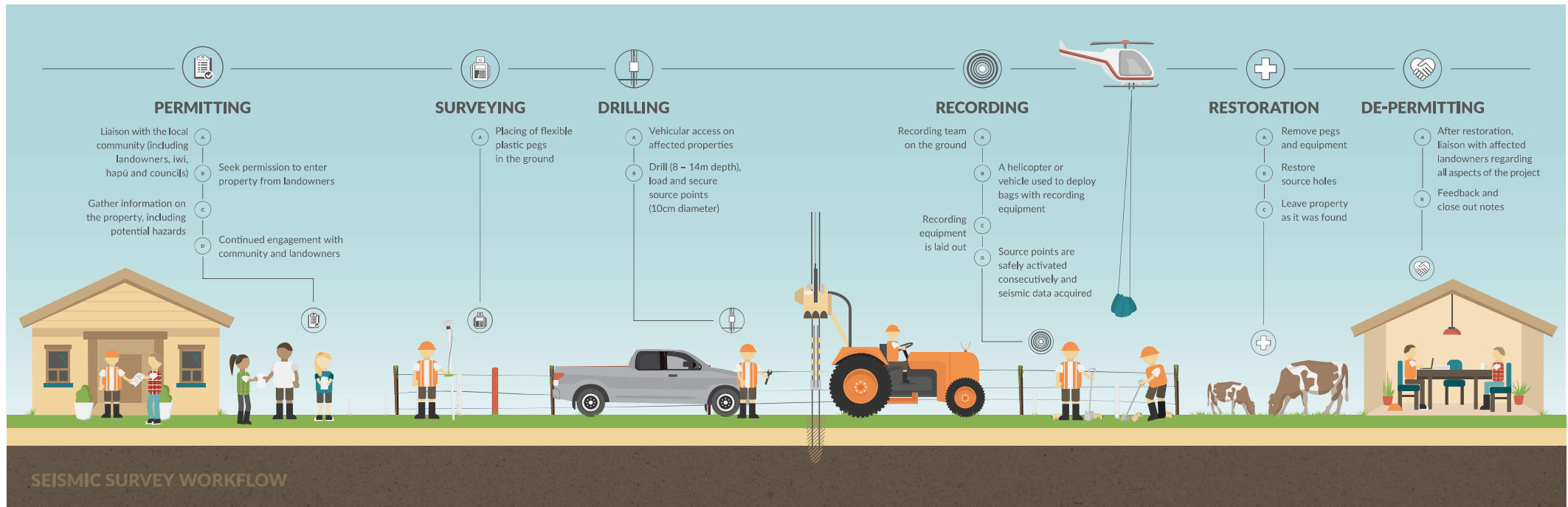


Seismic Blasting Taranaki Farmlands for Oil and Gas



Crown Minerals Act 1991 section 53(2):

The holder of a permit in respect of petroleum shall not prospect, explore, or mine on or in land to which his or her permit relates otherwise than in accordance with an access arrangement—

- (a) agreed in writing between the permit holder and **each owner and occupier** of the land; or
- (b) determined by an arbitrator in accordance with this Act.

Taranaki Regional Fresh Water Plan 2001 Rule 46:

Any seismic survey shall be located not less than 100m from any bore, well or spring used for water supply purposes.

Draft Taranaki Regional Freshwater & Land Plan 2015 Rule 53 added:

- (a) Holes to be capped at surface on the same day that drilling occurs.
- (b) There shall be no aquifer cross contamination.
- (c) Holes to be abandoned on the same day as detonation and data acquisition.
- (d) All drilled holes comply with the following separation distances:



Laying down explosives

DETONATE

hole by hole

“Source points are safely activated”

Diagram adapted from Shell Todd Oil Services website:
http://www.stos.co.nz/download/Kapuni_3D_LR.pdf

- (i) 25 metres from any surface water and the coastal marine area;
- (ii) 50 metres from any effluent treatment system, holding pond or septic tank; AND
- (iii) 100 metres from any bore or spring used for water supply purposes
- (e) Only water or water-based drilling muds to be used.
- (f) Products used to drill and construct the hole must not be a hazardous substance...
- (g) Drilling cuttings must be:
 - (i) removed following detonation and data acquisition; OR
 - (ii) used for hole abandonment...