

## Intensive Case Study # 1 Doña Victoria and family. (Pseudonyms)

Yellow highlights added occasionally for clarification to survey.

### Meta Data

Set up the day before but the hesitancy was that they needed to be out by 11 to the fields (planting season). This meant that we had to get there at 9:00 and work fast...

Survey Case #; GPS etc. insert.

### Rationale for Case Study (Generic and from the Survey):

- Explore lot sharing arrangements and organization of space: 2 families and lots of animals.
- House was severely affected by earthquake 10/19/18 and the is house was recipient of targeted support from FCP and FUNDEN – received 2 prototype dwellings (core houses).
- Concerns about extreme poor air quality and burning of plastic in the kitchen area

### Synthesis of Case from Survey

- Victoria \*\* and husband Vicente are owners. She 46ys (he 48). 2 dwellings on lot (family – actual her son Felipe and his family)
- 3 people in her house ( + daughter Ana 10 years old) “ Bachillerato” 2<sup>nd</sup> year (*not university – need to clarify please stages in Atlixco education*)
- Marked as “nuclear” on survey – actually nuclear compuesta
- Nothing remarkable on health profile.
- Uses Leña and carbon
- Agual potable from the llave but also have a tank which they juse of drinking and for animals
- Lot size is 500 m2 – checak agains our measurements and Javier’s drone pictures (don’t tell IRB!)
- Three rooms in dwelling (apart from cocina and bano). Some problems reported of pestes in all rooms (? Yes which?)
- Smoke problem in the “cocina” – off the charts on p10 =92,805 (Hazardous. Lena and plastic burning); p p2.5 = 230.1.

See other folders for Case # 1:

- Maps and Plans in preparation: lot plan and placement of buildings, corrales; sketch plans with measurements for Melannie (Veronica); same plans with details of air quality room by room (Claire).
- Video clips for room by room (for Melannie to identify materials etc. – Christina)
- Photos – various sources. We should talk about how to organize,label and store.
- Copy of the survey (Qualtrics)

### Report PMW

The story and side bar conversations with PMW.

This one of many houses hit badly and destroyed by the earthquake and target of intervention. Alejandro has some videos from the period and will cull photos from them for us. No-one hurt fortunately – hit at 1:0pm when most were in fields. But returned to find houses destroyed. Dona Victoria & Don Vicente and daughter slept in their camioneta 19 Oct for three weeks until donors delivered some materials and were able to construct the wooden room above which they used for sleeping. Not until August 2018 that the two houses were built and ready. Meanwhile son (Felipe) and family slept in a shelter in the school. Don Vicente was part of the Committee Emergency kitchen -- cooking and would arrive at midnight...

#### *Upper sections of lot*

Original house was of adobe with space for camioneta. The other rooms (blue house partly made of adobe and block [see photos]) became the temporary housing for the two families. Now each room is for storage (Victoria has one side and son Felipe the other). The wooden structure on top was where Victoria's family lived once they received the materials! Once new houses delivered they were strongly advised not to use the original or wooden structure (or the adobe structure below) but they kept them and now use all three rooms for storage. The upper wooden structure is very awkward to get to: on a wooden chair to crawl across to door. I hope that we didn't enter and measure?!

The lower brown shed (also materials from the quake) is for the animals today (breeding area for chickens and turkeys), and penned area for smaller ones (safety – cats etc).

*Middle Section of lot* has tractor "port" (they have 2). And is where the larger animals are penned (see photos)

- 30 borregos; many guajolotes; 3 caballos; 1 burro; 5 vacas and one calf.
- On site but they take the cows and horses to the campo each day - can take an hour. But then they forage.
- Shed at bottom is for chickens and turkeys at night time. & for small ones during day (not let them out)
- They keep the maize stalks etc. for forage. See pictures. Also in their tractor tyre as a byre( see photo) .
- Ejidatarios and have two tractors which they rent to other farmers.

#### *Lower section of lot*

Also have some hortalizas in rainy season - Grown in their lots because here the chickens etc eat them. Also showed me how the turkeys eat the green shoots of the bananas (see photo). Two pomegranate trees - red and Grenada amarillo. Bananas also.

Lots of Lena in different parts of the predio. Also at the bottom area – where an exit gate for the tractors.

Latterly in the session I met Don Vicente. Also Felipe' hermana — she lives close by. I also mentioned to Victoria that the fumes in the kitchen are dangerously high. (Maybe buy a fan to help?) - this we have done as a gift (courtesy PMW's Chair). We settled with Dona Victoria (left her the letter and the 550 pesos – signed receipts

Then she corralled us for tortillas and frijoles and aguas – a good time was had by all (once Alfonso got over his urgency to get to the next case...)

**Team WOW:** Add in any comments **here** that you have on what you saw experienced. If one of you wishes to make this a Google Doc fine by me (if that makes things easier). But please remember to upload latest version into BOX. Maybe use a different personal font to claim ownership:

Insert here:

PMW's observations on case -- largely related to health and wellbeing.

- Serious concerns and dangers to health associated with cooking with lena and fueling the flams at start with plastic cups. (I asked Victoria if only them or generalized?. She was a tad embarrassed to nod and say "most". This suggest that there is some awareness but they do it anyway – i.e. not a lack of awareness. Policy? - Action campaign and supply with paper for lighting...?
- Concerns over air quality and storage – several of the rooms had fertilizers etc. (We need to know more about how fertilizers and chemicals can be harmful – proximity; fumes; what?)
- It appears that Core home is not used extensively – bedroom and little else (except storage). Clearly little interest in cooking indoors – can't with lena and thst is what people use (can't afford gas and gas cookers etc.) Maybe electric? But again costs – Explore costs as we work through.
- To my eye they have a pretty good division of space – dwellings; animals; and equipment etc. But please comment/disagree if you see differently