Remind interviewee that you asked over the phone if it would be alright if you observed some of the practices on the farm, and restate that you would like to observe their general practices during milking time. Fill in your observations in any order you see fit, and add extra notes for any of the observations, if necessary. Circle the letter of your answer when appropriate.

Observation sheet

1. Use an udder scoring sheet to score udder hygiene of cows.
2. Use the hock lesion scoring sheet to score hock lesions/injuries.
3. Measure the size of one stall in which the lactating cows are kept (length x width, in feet):

\_\_\_\_\_\_\_\_\_\_\_\_ x \_\_\_\_\_\_\_\_\_\_\_\_\_

Ask: Are all the stalls uniform in size? All the same\_\_\_\_\_

Some variation \_\_\_\_\_\_

1. Type of housing?
   1. Tie stall
   2. Free-stall
   3. Other (e.g. bedded pack):
2. If free-stall barn, how are the aisles cleaned?
   1. Continuous automated scraper
   2. Skid steer or other similar equipment
   3. Slatted floors
   4. Flush system
3. Where are the cows milked? and milking system?

Tie stall

Pipeline milking \_\_\_\_\_\_\_\_\_\_

Bucket milking \_\_\_\_\_\_\_\_\_\_

How many milking units? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Parlor

Parlor Size (number of milking units) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

and

Parlor Type (orientation of cows) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. How many milkers are present for the milking? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Observe stocking density in barn

Number of stalls: \_\_\_\_\_\_\_\_\_\_\_

Number of lactating cows: \_\_\_\_\_\_\_\_\_\_\_

1. If tie-stall, do they milk more cows than the number of stalls (i.e. they milk some additional cows and need to move cows out of the tie stall to make room to milk the additional cows).

Yes

No

1. Stall surface?
   1. Rubber Mattress with bedding
   2. Filled fabric mattress with bedding
   3. Sand stall
   4. Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Type of bedding material? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Did you observe the farmer scraping manure from stalls during milking?  
   Circle your answer.  
    Yes No
4. What was the general cleanliness of the bedding?   
   1. Excellent: it looked as if new bedding had been laid recently.
   2. Good: the bedding was somewhat dirty.
   3. Fair: the bedding was noticeably dirty.
   4. Poor: the bedding was extremely dirty.
5. Is the milker(s) wearing gloves? Circle your answer. Yes No
6. Did the farmer check the milk (forestrip) before milking each cow?  
   1. Yes, on every cow
   2. Yes, on some cows
   3. No
7. How was the forestrip milk examined?  
   1. Cup
   2. Boot
   3. Glove
   4. Floor
   5. Other: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   6. N/A
8. Are the teats prepared with pre-dip before milking?  
   1. Yes, on every cow
   2. Yes, on some cows
   3. No
9. How do they apply pre-dip?  
   1. Liquid in a teat cup
   2. Foamer
   3. Spray
   4. Other: \_\_\_\_\_\_\_\_\_\_\_\_
   5. N/A
10. Record type of teat pre-dip.   
      
     Product name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
      
     Manufacturer name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
11. How long was pre-dip kept on before milking? (Timed)

Time 10 cows and record the time (in seconds) between applying pre-dip and attaching milking machine

\_\_\_\_\_\_\_ \_\_\_\_\_\_\_ \_\_\_\_\_\_\_ \_\_\_\_\_\_\_ \_\_\_\_\_\_\_ \_\_\_\_\_\_\_ \_\_\_\_\_\_\_ \_\_\_\_\_\_\_ \_\_\_\_\_\_\_ \_\_\_\_\_\_\_

1. What was used to clean off pre-dip and dry teats prior to milking?  
   1. Single-use disposable (paper towel, newspaper, etc.)
   2. Single use, individual, washable cloth
   3. Community cloth (i.e., cloth used on multiple cows)
   4. Other: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   5. N/A
2. Did you observe liner slips and squawks during milking? Yes No

At what frequency (approximate number of cows per hour)

1-2 cows 3-5 cows >5 cows

1. Are the milking units hung squarely and level? Yes No  
     
    Does the milker seem to be attending to this detail? Yes No
2. Does the milking system use automatic take-off or manual take-off?
3. ATO – automatic take-off
4. Manual take-off
5. If manual removal of milking units at the end of milking, did you observe the farmer shutting off the vacuum before removal?  
     
    Yes No
6. Did you observe the farmer machine stripping cows at the end of milking? (this means applying pressure or weight to the milking cluster to try to extract more milk)  
     
    1. Yes (most cows)

2. Yes (just an occasional cow)

3. No

1. Did you observe the farmer applying post-milking teat disinfectant immediately after teat cup (milking unit) removal?  
    Yes No
2. Did you observe full coverage of teats with post-dip? Yes No
3. What is the post-dip that is used? (It might be the same as the pre-dip).

Product name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Manufacturer name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. How do they apply post-dip?  
   1. Liquid in a teat cup
   2. Foamer
   3. Spray
   4. Other: \_\_\_\_\_\_\_\_\_\_\_\_
2. Did you observe any practices that require the cows to stand after milking? (This can be either intentional or unintentional, such as walking them from parlor back to stalls or pasture, making sure they stay standing after milking in a tie-stall)  
    Yes No
3. Is their music playing or a radio on in the barn?
   1. Music

Type of music \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* 1. Talk radio

Type of talk radio \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* 1. Nothing

1. General attitude of the milker and how they interact with the cows.
   1. Calm quiet demeanor \_\_\_\_\_\_\_\_\_\_\_\_
   2. Aggressive loud demeanor \_\_\_\_\_\_\_\_\_\_
2. Describe how the milker asks the cow to:

Stand-up if milking in a tie-stall \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Move cows into position if milking in a parlor \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. On a scale of 1 to 5 - Describe the general cleanliness of the farm facilities

Neat and orderly Messy and disorganized

The barnyard 1 2 3 4 5

The barn interior 1 2 3 4 5

The milk house interior 1 2 3 4 5

Ask to see their last state milk house inspection report (it should be posted in the milk house) – what was their score?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

For what issues did they lose points?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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**Bulk tank milk sample collection**

Record the temperature of the bulk tank \_\_\_\_\_\_\_\_\_\_\_\_\_\_

How many milkings are in the tank? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

How many lactating cows contributed to this milk? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Agitate the milk for at least 5 minutes before taking a sample.

Explain that the blue dip cups are sterile in the wrapper (so do not directly handled the cup before obtaining milk – hold only by the handle before taking the sample)

Record the date and time that the sample was taken

Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Time \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_