2017 Bovine TB Trace Out
53 Heifers from affected SD premises

500+ assembled heifers – bangs vaccinated in SD (46 VGK)

124 sold, livestock market, more added, animals bred, interstate movement

46 head mixed into a 3rd assembled group in WY. 88 head from that group shipped to Montana

CVI and brand inspection issued for this movement.
The CVI and the attached list of IDs told us which animals in the shipment originated in the original calfhood vaccination cohort of assembled animals.

(Animals that potentially originated in the affected SD Herd)
The brand inspection tells us that the animals from the SD health that contributed to the assembled group of 88 head that shipped to MT were No Brand animals.
Why this matters:

• The affected SD herd was diligent about branding cattle that originated within the herd.

• A brand inspection with “no brand” SD origin cattle on it suggests that MT did not receive cattle that originated from the affected SD herd.

• The 14 potential SD affected herd origin animals that were part of the 88 pairs that shipped to Montana are now in a herd of 550 head.

• The difference between having animals that originated in the affected SD herd and having animals that were exposed to animals that originated in the affected SD herd is a whole herd test of 550 head vs a single negative test only the 14 exposed animals.
Acknowledgements

• Dr. Barbara Kizer, USDA APHIS Wyoming
• Dr. Tahnee Szymanski, MDOL
• Montana Department of Livestock
2014 Brucellosis Positive Herd Trace
Trace initiated May 12, 2014

LIVESTOCK BRAND
INSPECTION
81_530_0002851_Hea

Montana Department of Livestock
301 N. Roberts Street Helena, MT 59601 Phone: (406) 444-2045

Order Number: 279-19

Date of Transaction: Dec 2, 2012

Animal Information

<table>
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<tr>
<th>Penlot</th>
<th>Backtag</th>
<th>Brand</th>
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Total Animals: 29

The described livestock has been inspected or released at this market and authorization is hereby given owner to ship by truck. This certificate does not
December 2012
- 81TDU3647
- 81BBB6727
- 81BBB6730
- 81BBB6731

March 2015
- G0072
- G9092
- G0065/81BBB6727/840003082063605
- Deceased animal with no ID available
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## Test chart vs. CVI vs. Live Animal

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FWIW, the brand never changed!