Livestock Branding in Oklahoma

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The beef cattle industry is a dynamic business that must continually adjust to market signals, public opinion, state and national policies, and other industry issues. Branding cattle to show ownership, legal title, and record keeping have been promoted and practiced by cattlemen in the western states for the past 150 years. However, in recent years, questions have been raised concerning the humane treatment of cattle with respect to certain management practices, and the impact of those practices on the overall value of a beef product and/or by-products.

According to the 2016 National Beef Quality Audit, of the $49.06 lost per head to the beef industry due to discounts for various carcass defects, and quality issues, only 98 cents of that loss was due to brands and/or other hide defects. This reduction in value (price) due to hide defects is compatible to $1.95; 1.90; 2.39; 2.67 and 2.43 in beef quality audits conducted in 2011, 2005, 2000, 1995 and 1991, respectively. This improvement suggests that more producers have moved the location of the brand from the rib to the hip, thus restoring more value to the hide.

The 2007-2008 USDA National Animal Health Monitoring System study of 2,872 beef cow/calf operations in 24 of the nation's major beef-producing states represented 80 percent of all cow/calf operations, and 88 percent of all the beef cows in the U.S. The study showed that the hot iron brand was used on 12 percent of all operations and was the source of identification on 21 percent of all the cows in the study. The freeze brand was used on 2.4 percent of all the operations surveyed, and identified 4 percent of all the cattle in the study.

Why Brand?

Branding today is still the most recognized and accepted means of indicating ownership of cattle in North America. Eventually, other methods such as electronic “chipping” may become the standard for identification, but until this procedure becomes a more economical and practical alternative, producers will continue to utilize the time-tested, permanent and universal method of branding.

Summary of Oklahoma Brand Laws

Those applying for state brand registration must complete and file the Application for Registration of Brands and Marks (found at: http://www.okcattlemen.org/brand-registration) with the Oklahoma Cattlemen’s Association Brand Division, P.O. Box 82395, Oklahoma City, Oklahoma 73148. The application must be accompanied by a $40.00 registration fee. Upon approval, a brand certificate will be mailed to the applicant indicating the brand registered. All brands approved by the Oklahoma Cattlemen’s Association (OCA) will appear in the following brand book or supplement printed.

All brands must be renewed at the beginning of each five year registration period, regardless of when the brand was registered. State registered brand owners will be notified by mail before the five year registration period ends. At this time, brands are renewed prior to publication of the newest Oklahoma Brand Book.

1. A brand is defined as a permanent mark not less than three inches in length or diameter and burned into the hide with a hot iron. “Freeze branding” is also a form of identifying animal ownership. Acid brands are not recognized as state registration.

2. Single unit brands including one initial, number, bar, slash or quarter circle are not accepted as forms of state registration.

3. Each brand registration must be confined to one location on the animal. When the same brand is used on two sites, two applications must be filed. Brands must be registered in the following eight positions ONLY: left neck, left shoulder, left rib, left hip, right neck, right shoulder, right rib and right hip. However, previously registered Oklahoma brand positions are not affected (O.S. 2, Sections 405). The left jaw is reserved for the use of B and T brands, identifying cattle having a detectable antibody titer for Brucellosis and Tuberculosis.

4. Applicants are required by law to list, in order of preference, three distinct brands and three positions on the animal for application of the brand.

5. State registration of your brand is not required by law. Recorded brands, however, take precedence over similar unrecorded brands when questions of ownership arise, placing the burden of proof on unregistered brand users in the event of controversy. Registered brands are prima facie evidence of ownership in a court of law. Brand books are furnished to county sheriffs, county extension agents, vocational agricultural instructors, and libraries without charge. They can be purchased by the public from OCA at a price equal to the cost of preparation, printing, and delivery.

Where, When and How to Brand

When ownership brands are applied it is best to use hot brands. The clarity of the application can be determined shortly
after branding, and animal-to-animal variation does not affect the end results as greatly as with freeze branding. A good hot brand is recognizable because it destroys hair follicles located under several layers of skin and leaves a permanent bald scar on the hide of the animal.

Identification and ownership brands can be applied at any time during the year, but this procedure is usually performed in combination with one or more practices such as weaning, castration and vaccination. Calves are usually branded before or during weaning because the probability of a calf straying is greater after weaning.

Good brands can be achieved by properly heating the irons until they appear a silvery-gray (similar to the color of ashes) in the daylight, but glow a cherry-red color when held in a dark area. Clipping excessive hair growth or mud from the hide area to be branded, and keeping irons clean at all times with a steel brush to remove hair, dirt and other debris are management practices which should be utilized. The irons can be heated in a wood fire (bed of coals) or a propane (bottled) gas fire. An electric branding iron can be used successfully after a certain amount of experience is gained.

The size of the iron is important. Each character should be (in outside measurements) 4 inches by 3 inches for calves less than one year old and 6 inches by 3 1/2 inches for older cattle. The face width of the branding iron should be 1/4 inch to 1/2 inch wide, with the surface edges slightly rounded. All circles and corners should be vented to prevent excessive scarring. Again, in utilizing the "value added" approach, the branding location is restricted to the hip. This should be the first consideration, as the brand registry may require an applicant to move their chosen location (thigh, shoulder) or choose a different design in order for the brand to be registered.

Tips on Fire Branding Procedures

Catch the calf’s head in the headgate of a squeeze chute, then squeeze to restrict motion. Heat the branding irons to the proper temperature as previously described. Firmly press the ash-gray colored branding iron against the hide and rock the handle slightly to vary the pressure, allowing for uniform application of the entire character.

The color of the branded hide should be light tan, similar to the color of new saddle leather. If the iron is the proper temperature and the cattle have a light (summer) hair coat, the brand should be held for no more than three to five seconds. Cattle with a heavy (winter) hair coat should be clipped before branding. Otherwise, the brand requires an application of five to ten seconds.

Do not brand wet animals. An iron applied to a wet animal loses temperature rapidly and tends to scald rather than burn the hide. The result is a serious, slow-healing scar that is hard to read. Apply one iron at a time, taking caution to avoid slippage on the hide. Place brand numbers or characters at least one inch apart. Be sure the branding iron is clean and free of hair before it is used again.

If a second application is necessary to “touch-up” a spot, or more burn is needed, the procedure should be done with extreme care. The iron must be placed in the exact position of the first application so the character does not blotch.

It is best to brand when flies are not a problem. If they are present, apply a small amount of insecticide to the brand area to prevent infection. A light application of oil or grease to the area will also aid in smoother, faster peeling.
Figure 1. Traditional Brand Symbols

Bar, a short, horizontal line.
Bar, straight up is an “i.”

Slash, a line slanting right or left.
Box.

These are read “half box.”

But this may read “bench.”

Circle, (Filed with the OCA under “O”).

Half circle, may open up or down.

Quarter circle, may be in any position.

Cross or plus.

May be X or roman numeral 10 as in XIT, “Ten in Texas,” but is filed under “X.”

Diamond.

Open “A” (not half diamond).

But placed over a letter or number, it’s a “Rafter,” and filed behind “A.”

Tumbling or tilting brands are no longer registered. Brands must be straight up or lazy.

Add legs and it becomes “Walking T.”

Add wings, it’s a “Flying T.”

Any letter hanging by it’s top “Swings.” A “Swinging M.”

BVT connected.

“J.H.D. Disconnected.”

Often letters or letters and numerals are “connected.” This is a “J.H.D. Connected.”

Placed on part of a circle, it becomes a “Rocking M.”

This is the “Running M.”

TVD connected

“KDH” connected.

Stacked letters are easy to read.

Figure 2. Angle Brand System

is read 1048
AFS-3255-4

Figure 4. Branding irons should be vented to prevent excessive scarring.

This B iron is made into one piece and has five gaps cut into the face to allow extra heat to escape, therefore eliminating blotching. Another method of making a B is to use a 3 and a bar iron (I3).

The letter O has gaps to allow heat to escape. It is recommended that branding irons of this nature be made slightly larger than those consisting of straight lines to eliminate blotching.

Electric branders are available with three different width faces: NARROW for horses, STANDARD for general use, and WIDE for heavy hair growth in northern areas.

Approximate heating time for electric branders is 90 seconds. Blotching is minimal, as the design allows excessive heat to escape. Extensive venting is unnecessary on most brands. Operated on 110 volt AC or DC, a constant temperature is characteristic.

It is not recommended that brands of this type be combined in one iron. Otherwise, they are hard to handle and difficult to apply on the animal evenly. Separate irons for the E and a running iron for the H may take longer to make, but the results will be well worth the time.

Adequate spacing should be allowed when intersecting the face of the brander to prevent blotching.

Heating element should be far enough from handle to prevent excessive heat.

Grip handle
Barrel should be insulated
6 to 10 foot 3-wire cord
Bracing at all stress points

Figure 3. Constructing and Branding Iron.

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