

## *Breeding Heifer Terminology*

### *Rib/Volume*

#### *Desirable*

- ❖ Possesses the softer look of a more maternal brood cow
- ❖ Combines the basics of a functional female
- ❖ More useful in her basic build
- ❖ Broodier appearing
- ❖ Look of a brood cow prospect
- ❖ Easier keeping
- ❖ Lower input replacement
- ❖ Offers more depth, rib, and fleshing ability
- ❖ More moderate framed
- ❖ More sensibly sized
- ❖ Lower maintenance at a mature cow state
- ❖ Offers more fleshing ease
- ❖ More depth and shape to her rib
- ❖ Set wider at her pins
- ❖ More advanced in her body depth
- ❖ More expansive in her forerib
- ❖ Deeper in her heart and flank
- ❖ Comes out of her spine with more shape to her upper rib
- ❖ More productive in her chest and rib
- ❖ Apparent weight per day of age advantage
- ❖ Higher performing
- ❖ Deeper in her flank and forerib
- ❖ More productive appearing
- ❖ Most correct in the arch and curvature to her rib
- ❖ More depth and shape to her rib

- ❖ More advanced in body depth
- ❖ Powerfully made
- ❖ Comes wider and fuller to her pins
- ❖ Deeper in heart and flank
- ❖ Bolder ribbed
- ❖ Wider in general makeup from her chest floor to her pin
- ❖ More opened up in center cavity
- ❖ More forage adaptability
- ❖ Brood cow candidate
- ❖ Easier maintaining
- ❖ Roomier middled
- ❖ Fuller sprung in her rib cage
- ❖ 3-D rib
- ❖ More pulled apart thru the floor of her chest
- ❖ More uniform depth from fore to rear rib
- ❖ More moderate in her frame with more rib and fleshing ability
- ❖ Wider sprung, deeper ribbed and should be a more efficient converter of low quality feedstuffs and/or crop residues
- ❖ Easier maintaining as a mature cow
- ❖ More value as potential replacement female
- ❖ More apt to make cut as replacement female
- ❖ More desirable in size and maturity pattern and should likely inject more 3-D growth into her progeny
- ❖ ~~Could more readily maintain condition in gestation and lactation~~
- ❖ Bolder hearted
- ❖ I see her maturing into a powerful brood cow who should.....
- ❖ She should prove to be the sensible, problem free brood cow (herd replacement)
- ❖ She is more sensible/conservative/reasonable in her frame
- ❖ ~~It's a matter of simple, practical brood cow character that keeps 3 over 4 in the bottom pair,~~
- ❖ Reads with a truer shape to her upper rib

### *Undesirable*

- ❖ Shallower bodied in relation to her frame size
- ❖ Obviously harsher conditioned and thus, would likely be harder keeping
- ❖ Due to her maintenance requirements should spend less time in herd
- ❖ Hardest doing, highest input brood cow
- ❖ Least value to today's \_\_\_\_ breeder
- ❖ Higher maintenance brood cow
- ❖ From a cattlemen's perspective, I personally don't see her as the right kind

### ***Balance/Eye Appeal***

#### *Desirable*

- ❖ Highest quality
- ❖ Phenotypically attractive
- ❖ More youthful and fresher in her appearance
- ❖ Blends in smoother from her shoulder to her forerib
- ❖ Eye appealing
- ❖ More extended thru her front third
- ❖ Cleaner patterned
- ❖ Attractive profiling
- ❖ More correctly balanced
- ❖ Nicer balanced
- ❖ Smoother patterned
- ❖ Straighter lined
- ❖ Offers more balance
- ❖ Attractive body pattern
- ❖ Stronger topped
- ❖ More refined thru head and neck
- ❖ More uniform in her body depth from fore rib to flank
- ❖ More correct in her topline and leveler out her hip

- ❖ Set higher at her pins
- ❖ More feminine thru her front end
- ❖ More desirable udder that is more correct in its teat size
- ❖ More extended about front end
- ❖ Cleaner chested

➔ ❖ Layed in neater at her shoulder

- ❖ Profiles with more length of spine and hip
- ❖ Cleaner and more angular fronted
- ❖ Smoother, flatter, cleaner shouldered
- ❖ More extension in front 1/3
- ❖ More feminine in bonework
- ❖ Higher tying from neck to her shoulder
- ❖ A very neat, feminine heifer that exhibits tremendous balance
- ❖ Sounder in udder attachment

❖ For me, she sets the standard in regard to balance, quality, and female look and character

❖ From a breeder's viewpoint, I see her as having more practical cow character

❖ She has the unique combination of practical cow character with (those extra pieces of) show-ring quality and attractiveness

❖ She has more female quality

*Undesirable*

- ❖ Low pinned
- ❖ Redesign her front end
- ❖ Carries more neck and shoulder
- ❖ Bulky in shoulder and neck

## ***Structural Correctness/Movement***

### *Desirable*

- ❖ Bigger fronted and heavier boned
- ❖ More correct from hock to ground
- ❖ Travels on the widest base with the biggest foot
- ❖ Travels with more flex and reach out of her hip and hock
- ❖ Travels with more strength and coordination at the lead
- ❖ Sets down a truer hind leg
- ❖ Tracks out on the widest base
- ❖ More fluid in her stride
- ❖ Toes straighter up front
- ❖ Takes a longer, freer stride out of both ends
- ❖ Strides with more reach and flex to her hock and pasterns
- ❖ Laid back further in her shoulder
- ❖ Tracks away with more width and substance of bone
- ❖ Offers more flex and give to her hock and cushion to her pasterns
- ❖ Takes a longer and more authoritative stride
- ❖ Stoutier at her foundation
- ❖ Sets down more accurate from hock down
- ❖ Tracks out on a wider base
- ❖ More appropriate in her frontal base width
- ❖ Laid back further in her shoulder
- ❖ Covers the surface
- ❖ Presents a more collected look when viewed on the move
- ❖ Truest moving
- ❖ More appropriately set from hock to ground
- ❖ Stood squarer from knee to ground
- ❖ Appreciate her strength and mass

- ❖ Appreciate her design and structure
- ❖ Leveler from hooks to pins
- ❖ Straighter traveling
- ❖ More hind leg stability
- ❖ Moved out with good foot placement
- ❖ Sounder tracking and more fluid in her movement
- ❖ ~~Holds herself together more correctly on the move~~
- ❖ More functional appearing heifer that had more flex to her hock
- ❖ Blends smoother from her shoulder to her body
- ❖ More comfortable on the move
- ❖ ....thus enabling her to have more reach when in motion
- ❖ More slope to shoulder and consequently takes a longer more correct stride off both ends
- ❖ Still, it becomes a matter of fundamental soundness that keeps 3 over 4 in the bottom pair
- ❖ ~~Perhaps her biggest advantage is witnessed at the lead. She's the sounder footed female who is more correct out of her hip and off her hind leg~~
- ❖ She is more correct in the angle of her shoulder and thus takes a longer step up front
- ❖ She's just the bigger, sounder footed female who more consistently meets her stride
- ❖ She tends to cover her track on a more consistent basis
- ❖ Flatter out of her tailhead

#### *Undesirable*

- ❖ Needs more front to rear balance
- ❖ Coarse shouldered
- ❖ Slightly off in hip and hind leg
- ❖ Steeper from hooks to pins
- ❖ More tentative as she steps
- ❖ Was splay footed, stood closest at hocks and moved narrower off both front and rear legs

## *Thickness/Muscle*

### *Desirable*

- ❖ Powerfully made
- ❖ Stouter featured
- ❖ Offers more natural thickness
- ❖ Stouter hipped
- ❖ More total top and volume
- ❖ More shape and dimension to her top
- ❖ Thicker quartered
- ❖ Worked a greater volume of muscle thru her quarter
- ❖ Deeper quartered, thicker rumped heifer who has more dimension to her top
- ❖ Longer from hooks to pins and smoother in her muscle shape
- ❖ Has more thickness from hooks back and more shape from pins down
- ❖ She possesses the most width and spread down her top and continues this muscling advantage to all portions of her quarter
- ❖ Travels wider at the ground

### *Undesirable*

- ❖ Tapered from hooks to pins

## ***Bull Terminology***

### ***Masculinity***

*\*Muscle, balance, volume, and structural correctness phrases can be incorporated from steer and heifer terminology; however, there are a few terms unique to bull sets*

- ❖ More rugged in his appearance
- ❖ Stouter featured and more masculine in his appearance
- ❖ More correct in his testicular carriage
- ❖ Cleaner sheathed
- ❖ More advanced in his testicular development
- ❖ More massive
- ❖ Massively constructed
- ❖ Greater longevity on the plains of Kansas and be a more functional terminal sire
- ❖ Moderate framed bull with larger scrotal circumference and daughters should reach first estrus sooner
- ❖ Sounder traveling with larger SC and thus should cover more cows
- ❖ I envision him as the sounder breeding herdsire for the operation (testicle and structure advantage)
- ❖ His replacement daughters should inherit.....& thus be more valuable within their respective herds



1st to admit .....

### Cattle Performance Terminology EPD's as 110 points

#### Genetic Profile

- ❖ Impressive genetic script
- ❖ It is her kind as well as her genetic evaluation which suggests....
- ❖ If she breeds true to her genetic expectations... highest performing
- ❖ She reads more progressive on paper w/ nicest balance between
- ❖ Should prove more scenario adaptable carcass rate EPD's and
- ❖ Most genetic promise showing appeal
- ❖ Most complete performance information to best fit the needs of the scenario
- ❖ I'd expect his daughters to be the most likely to retained
- ❖ She offers the most promise on paper to compliment this ..
- ❖ She should prove a more valuable replacement
- ❖ She offers more profit potential to this operation
- ❖ Within the given scenario more growth performance
- ❖ Greater impact on future generations by some margin
- ❖ Most adaptable to the seedstock/commercial operation
- ❖ Genetically capable
- ❖ Transfer more genetic potential
- ❖ Inject most genetic improvement into the \_\_\_\_ breed
- ❖ Should increase longevity in the herd
- ❖ He should contribute more growth/maternal ability/carcass ability to the next generation

#### Undesirable

- ❖ Possessed the least genetic strength for growth
  - ❖ Potentially produce the poorest performing progeny
  - ❖ I just don't foresee him generating enough improvement in the next calf crop
- more progressive on paper
- least impressive genetic script.
- but that where 2 excels him

indeed

## ***Growth*** (Indicators: WW, YW)

- ❖ His offspring should prove more efficient through the feedlot phase
- ❖ He should sire progeny more marketable as growth sires
- ❖ His feedlot bound progeny should experience more efficient gain
- ❖ He is more progressive in his growth genetics
- ❖ He clearly offers more genetic growth
- ❖ He should prove to have a greater impact on the future generations in terms of growth
- ❖ Genetic growth
- ❖ Direct growth
- ❖ Return more dollars to the retained owner
- ❖ Growth genetics
- ❖ Superior in his growth EPDs
- ❖ Performance oriented sons to be in greater demand by the commercial clientele
- ❖ Most extreme in frame size
- ❖ Excelled in all performance traits
- ❖ Charts higher W and YW, thus her progeny should enter the feedlot at heavier weights and maintain this advantage until their endpoint
- ❖ Should be more marketable as a potential growth dam
- ❖ Charts more post-weaning growth and progeny should offer more profit potential thru retained ownership
- ❖ He should make a significant impact on growth in the next calf crop
- ❖ He is unique in his birth to yearling spread, which should inject/infuse more value into his calf crop
- ❖ This, plus his complimentary growth figures suggest....
- ❖ I'd expect his terminal progeny to experience less days/time at the bunk

### ***Calving Ease*** (indicators: BW, CE, DCE, GL)

- ❖ The potential calving ease sire (id)
- ❖ She is more moderate in her BW value
- ❖ He may likely be a more typical choice for use on heifers
- ❖ She should require less restraints in sire selection
- ❖ Most conservative birthweight
- ❖ A more confident choice on virgin heifers
- ❖ Lower more manageable birthweight
- ❖ Her sons would sire calves that would require less calving assistance
- ❖ Cause less dystocia to first-calf heifers
- ❖ More breeding flexibility as he posts a lower BW
- ❖ Most marketable as potential calving ease heifers
- ❖ Below breed avg BW
- ❖ He's better suited for use on heifers/ He's the calving ease sire of the class

### ***Maternal Strength*** (indicators: M, MM, MWW, TM)

- ❖ I would expect her to wean off more pounds of calf due to milk
- ❖ His more maternal daughters should prove more functional as replacements as...
- ❖ She offers more maternal strength on paper
- ❖ The more maternally oriented female (id)
- ❖ He should have a greater impact on maternal strength in his daughters
- ❖ A higher proportion of his more maternal daughters should be kept as replacements
- ❖ Lower input more replacement favorable daughters
- ❖ Her daughters would be expected to have a greater milking ability

### ***Endpoint Value*** (indicators: carcass and ultrasound EPDs)

- ❖ His cull progeny should excel on a grid rewarding both quality and yield grades
- ❖ His progeny should obtain a more desirable combination of quality and yield grade

- ❖ He is clearly more progressive in his genetic evaluation for carcass traits
- ❖ He should have a greater impact on the endpoint value of his cull offspring
- ❖ His offspring should grant more incentive on a grid rewarding quality (or YG)
- ❖ He should reveal the greatest impact on the carcass merit of his cull offspring
- ❖ He should reveal the greatest impact on the carcass merit of his cull offspring
- ❖ Terminal aspects of this operation
- ❖ Offspring should be more efficient thru feedlot phase
- ❖ Endpoint value
- ❖ Least terminal genetic ability from carcass standpoint
- ❖ Feedlot cattle which excel for their gradeability
- ❖ His market bound progeny should inherit.....
- ❖ His market bound progeny should see an advantage in feedlot gain and carcass quality/cutability

### ***Scenario Incorporation***

- ❖ I'd expect his sire group to spark more buyer interest and increase revenue at the spring production sale
- ❖ His production sale consignment should inherit the look and balance of traits needed to target both the purebred and commercial cattlemen
- ❖ Obviously this ranch is seeking a herdbull that can increase the maternal value in the next generation
- ❖ Clearly 1 and 2 offer the most earning potential
- ❖ I see her/him as having more earning potential for this commercial/seedstock operation