23RD ANNUAL
BEEFMAKER ©
BULL SALE

SIMMENTAL, LIMOUSIN, ANGUS GENETICS

SATURDAY, NOVEMBER 18, 2023 OKOTOKS, ALBERTA

TANGLE RIDGE RANCH

7K
Sells as Lot 3

DATA COLLECTION IS OUR SPECIALTY

23RD ANNUAL BEEFMAKER© BULL SALE AT TANGLE RIDGE RANCH

SATURDAY, NOVEMBER 18 2023
AT THE RANCH
5KM WEST OF OKOTOKS, ALBERTA

7 - Purebred Black Angus Bulls
9 - Simmental Bulls
    (from Limousin and Angus base)
13 - Limousin Bulls
    (from Angus base)

Several bulls are double registered in both Simmental and Limousin Associations allowing you the option to register progeny in both associations.

10 a.m.   Cattle on display (coffee & pastries available)
Noon   Complimentary lunch
2:00 p.m.   Sale starts

Storm date: Sunday, November 19

Sale day phone: (403) 312-9799

Brekell Otto - Herd Manager
(403) 312-9799

Brenda Otto - Ranch Manager
(403) 818-3142

Dallas Otto: (403) 869-4833

Kelly Otto: (403) 888-3323

Randy Bollum - Genetics Consultant
(403) 540-5949

Cheryl Brown - Stockmens Insurance
(403) 869-4833

Dan Skeels -Auctioneer
(403) 783-1217

Rod McLeod - Ringman
(403) 540-7986

Darryl Snider - Ringman
(780) 385-5561

TANGLE RIDGE RANCH
32011-354 AVE W
OKOTOKS, ALBERTA

INDIVIDUAL ANIMAL FEED EFFICIENCY DATA (RFI) AND FEED : GAIN RATIO

As leaders in the field of testing for feed efficiency, this is our 20th consecutive year of measuring individual animal Residual Feed Intake (RFI) or Net Feed Efficiency and Straight Feed Conversion. All TRR bulls have individual animal net feed efficiency and straight feed conversion data. This is also our 16th year for testing our complete heifer crop.

ALL LONG YEARLINGS

Virile bulls ready to cover lots of ground. They were "coasted" through their first winter, you can treat them rougher than spring yearling calves, and are slowly developed with lots of exercise plus they haven't seen as much feed as full two year olds elsewhere. They aren't picked over.

PERFORMANCE TESTED & CARCASS ULTRASOUND MEASURED

More years of data in more traits than anyone in the Canadian beef seedstock business.

BOARD UNTIL MARCH 1ST

Ideally your new bull should go to his new home, settle into your feeding program, and get mixed in with the other bulls he will be working with. If you just don't have a spot for him, we can winter them here up to March 1st. We'll care for your purchases for a nominal $10 per day. We suggest you purchase insurance.

DELIVERY ASSISTANCE.

You tell us when and where you want them, and we'll get it done for you. Don't worry - we'll do the legwork and get your bulls home at the lowest cost possible.

GUARANTEED HOMOZYGOUS POLLED BULLS

Nearly all bulls are homozygous polled. Homozygous polled cattle will genetically dehorn every calf, even from horned cows.

EASY CALVING IDENTIFIED BLOODLINES

We know what our bulls, their siblings and their cow families have done in the past - no unpleasant surprises.

GUARANTEED HOMOZYGOUS BLACK BULLS

We've designed them and paid the tab to DNA test them so you'll be guaranteed a uniform all-black calf crop from non-diluter red or black cows. DNA tests that were requested to confirm were done at Neogen (formerly Igenity). Our bulls are free of the spotting and diluter genes.

NONE HELD BACK

All of our bulls are offered, with everyone getting a fair chance to own them. None pre-sold, none consigned to other events, and none held back for only our own use.

PROVEN SIRE GROUPS

Not only do we have sire groups, but there are also other sets of closely related bulls to sire uniform calf crops in multiple bull cow herds.

DNA MARKER TESTING FOR MARBLING, LEPTIN, TENDERNESS & OTHER CARCASS TRAITS.

Several sires, dams, plus all our sale bulls for the past 16 years have had DNA Marker Profiles or individual trait DNA tests done helping us identify indicators of superior genetics for these carcass and meat quality traits. Angus bulls have full Angus GS genomic profiles.

WELCOME FROM TANGLE RIDGE RANCH

(from left to right) - Jordan, Brekell, Kelly, Brenda, Dallas, Makenna, Graham (missing Derek and Taylor). Photo by: Holly Nicoll.

Welcome friends and neighbours!

Thank you for taking the time to view our 2023 Beefmaker Bull Sale catalogue. We are the Otto family, and we are very excited for this year's Bull Sale! This will be our second sale held near Okotoks, Alberta, since the relocation of this well-established and all-registered 3-breed herd from Airdrie, Alberta.

The "Beefmaker" Bull and "Milkmaid" Female trademarks go back over three decades under the name of R & R Acres.

Our family is now entering it's third year as the proud new owners of this elite seedstock program, which hasn't changed but only improved. Randy Bollum from R & R Acres has taken on the new role as our Genetics Consultant and he now works alongside our Herd Manager (and daughter), Brekell Otto. Brekell and Randy are constantly striving for excellence as they continue to grow our breeding program. Together, they use world-class, cutting-edge beef genetics to offer you the 'best of the best' progeny in our long yearling Bull Sale.

We are aiming to add a female sale into the mix next year, please stay tuned!

Data collection is our specialty, and with the market finally making a turn-around, there has never been a better time for you to add one or more of our bulls into your program. This will ensure optimal results during calving season along with enhancing your herd's feed efficiency for many generations to come.

We hope that you can make it to our live auction held at the ranch November 18, 2023. Please note that our sale will not be available to view online. If you are interested, don't hesitate to reach out to us for a pre-sale viewing appointment.

Once again, welcome to Tangle Ridge Ranch - from our family to yours.

Use the Data... It works! Use of accurate, economically important data by agricultural producers in the pork, poultry, dairy and cropping industries has been essential and has propelled the leaders of these businesses to be more successful, net profitable, and thus sustainable. It's been evident for not only years, but decades, the beef business as a whole is light years behind these other food producer competitors. However, futuristic beef producers are adopting new ideas and new ways of thinking to be better prepared for the years ahead.

The Otto Family of Tangle Ridge Ranch want to offer a solution for your short term and long range success. The program using up-to-date real-world data collection and usage combined with experienced cowman knowledge (started as the unique R & R Acres program more than 30 years ago) has produced cattle that offer futuristic beef genetics required to be at the front end of the beef industry - from the cow-calf producer to the cattle feeder to the packer to the consumer's plate resulting in an enjoyable eating experience. First time...every time.

Within this bull sale offering you will find bulls that can fit a variety of uses to be ideally matched for your herd's environment, management, and market goals. I have contacts that are interested in buying feeder calves sired by these "right kind" of bulls with verified genetics, phenotype, and genomics - one of North America's largest cattle feeders to modest sized feedlots to beef-on-dairy feeders. But the calves need to be sired by bulls like these with documented superior traits like top feed efficiency, high growth, and extra value carcass traits.

If you need any help working through the data, learning about how to utilize the information, or want to discuss your needs, I would be happy to help match the right genetics to your specific requirements.

Let's work together for a future with more NET Profitability.

Randy Bollum - R & R Acres
403-540-5949

WHY USE A TANGLE RIDGE RANCH BULL?

1. Data collection is our specialty

We do all we can to design bulls that are a predictable package to help increase your profit and eliminate your problems.

No other beef seedstock supplier in North America has been supplying all the data we have.

- Individual Animal Feed Efficiency - our entire bull calf crop, for the past 20 years and also all the heifers for the past 16 years
- Igenity DNA Tenderness Score
- Carcass Ultrasound Scans
- Homozygous Polled Status
- Coat Color Status
- Accurate, complete performance data
- Superior Docility EPDs
- Complete EPDs with accuracies
- Semen tested - ready to work
- Actual gestation lengths
- We measure every calf for 18 traits before the top end is offered as a breeding bull
- Many years of DNA tests for Leptin (associated with growth, fat deposition, and marbling)
- Many years of DNA tests for PMCH (associated with tenderness and marbling)
- Tenderness DNA tests

2. Long yearling bulls

These bulls will handle more cows than hard fed yearlings. We evaluate our bulls more intensely than others for performance, feed efficiency, structure and docility with our goal of providing sound, user-friendly bulls. They have been slowly developed to last for years, just like their heifer mates retained in our herd that can produce well into their teens.

3. Superior proven genetics

All breeds are researched and cattle of all kinds will be up-to-date in our search for superior, proven genetics to incorporate into the progression of the Tangle Ridge Ranch herd. We aim to be a leader in beef genetics - knowing what is needed in the beef industry's future, not only what is happening today. It has been interesting to see other prominent seedstock suppliers finally doing what we did 15-20 years ago.

4. Whole Herd Enrollment

We report performance data on our entire calf crops to the breed associations in an attempt to enhance the accuracy of our EPDs and optimize the information you can use to help select your seedstock. We print all the EPD's and accuracies.

5. We've invested heavily into the latest technology

To do the best job in designing beef cattle that increase profitability and sustainability, we use the facts.

As beef industry leaders in gathering useful data, we've spent a lot of time, effort and dedication to first learn about new methods of identifying the differences in cattle. We then spent considerable money over the past years in using the GrowSafe feed efficiency test system, DNA tests, Igenity DNA profiles, etc. to compile this data and stack the pedigrees generation after generation with the superior genetics and also eliminate the ones that don't work. Use our information to make more confident choices.

6. Follow the poultry, swine and dairy industries

If we really want to be progressive and futuristic thinking beef seedstock designers, we need to be eyeing the progressive genetic designers of the other protein meat industries - our real competitors. The leaders in the poultry, swine and dairy businesses all use data to make informed decisions - and it works. They continue to make rapid, steady progress every year in feed efficiency, growth rate, meat yield, reducing cost of production, reproduction rate, etc.

7. Docility Is #1

We're proud of the many comments we receive about how calm our bulls are. We stack the pedigrees with only top Docility EPD sires, and it works. Whether they are Limousin, Simmental, or Angus; superior Docility EPDs are essential...and believe me, it's hard to find new sires that are good enough to continue our quest.

8. Seedstock Experience

The Bollum family have been in the seedstock business for over 100 years, so they "see the whole picture" and know what is expected to earn your business and keep it for the long term. Multiple generations of the Bollum's have been in the cattle industry, including Shorthorns, Limousins, as well as purebred Hampshire hogs. They also have experience owning and operating the Canadian Limousin magazine, promoting and merchandizing other people's cattle for 20+ years, and now expanding their herd with the "right kind" of Limousin, Simmental and Angus cattle.

9. Preparing for the Future

Our dedication to combine the best traits of the "right kind" of Limousin, Angus and Simmental into our "Beefmaker" Bulls and "Milkmaid" Females while also eliminating the bad traits of these breeds has worked very well. But to maintain our leadership role in designing beef cattle genetics, we are also well into the plan to tackle the "hard-to-measure" traits. The future will reward cattlemen from "pasture to plate" for cattle that can supply necessary traits not only for the cow-calf producer and cattle feeder, but also meet demands of the packer, retailer and probably most importantly, the consumer who expects a quality eating experience first time, every time and all the time. We are one of the very few in the world that are tackling the genetics to supply superior feed efficiency, adequate marbling with tremendous percent lean meat yield, and genetically influenced superior meat tenderness.

10. All bulls offered at auction

No bulls are sold before our annual bull sale and none are saved for other events. Everyone has an equal chance at our very best, offered at a fair public auction. Price ranges for everyone, but as a whole, have been at darn reasonable prices compared to other places. There are always bargains, especially at our sale being one of the very earliest of the bull sale season.

We invite you to either start a positive experience using Tangle Ridge Ranch genetics, or if you have already used our bulls, to continue utilizing our research and data. Join us in improving not only our own herds, but also the beef business as a whole in an attempt to keep consumers eating and enjoying more beef at a reasonable, profitable price.

Individual Animal Feed Efficiency Testing

23rd group of bulls to complete test

The data is in for the 23rd set of Tangle Ridge Ranch bulls to complete the individual animal feed efficiency trial. All the 2022 born heifers were also feed efficiency tested again this year.

Measuring individual animal feed efficiency is a relatively rare occurance because of the difficulty in accurately and cost effectively measuring daily feed intake of each animal. By using the feeding bunks and electronic system developed by GrowSafe Systems, continual 24 hour a day monitoring of each cattle's feed consumption is recorded for a 70+ day trial period.

The first set of bulls to use the new machines at Cattleland started their test November 10, 2004 that ran through February 3, 2005. There were several breeds of bulls going through this first round to gather information as to their ability to convert feed to pounds of gain. Bulls were also ultrasound measured for carcass traits upon completion of test.

Since then, the TRR bulls and females have had individual animal feed efficiency tests done on the whole calf crop to get an accurate measure on the whole group.

WHY MEASURE FEED EFFICIENCY?

The cost of feed is second only to fixed costs in importance to the profitability of commercial beef operations. 70-75% of the total dietary energy cost in beef production is used for maintenance, including maintenance of the dam. In addition, a 5% improvement in feed efficiency could have an economic impact four times greater than a 5% improvement in average daily gain.

DEFINING RESIDUAL FEED INTAKE

Net feed efficiency or net feed intake (NFI) or residual feed intake (RFI) is defined as the difference between an animal's actual feed intake and its expected feed requirements for maintenance and growth. Thus, it is the variation in feed intake that remains after the requirements for maintenance and growth have been removed. Like a golf score, a lower value is better and indicates an efficient animal.

Considerable variation exists between individual animals within breeds or genetic strains in RFI. This infers that substantial progress can be made in RFI or feed efficiency since the heritability of the trait is approximately 40%.

THE TRIAL

The main purpose of this trial is to identify feed efficient breeding cattle. Ultimately the efficiency of the cow herd and feeder cattle can be improved to reduce unit costs of production.

THE TANGLE RIDGE RANCH BULLS

TRR is the only bull supplier in Canada that has tested their entire bull calf crops for Net Feed Efficiency for the last 20 years in a row.

USING FEED EFFICIENCY DATA

Use individual animal feed efficiency data in the selection process for purchasing your breeding stock. Dramatic cost savings can be gained with this moderately heritable trait in the feedlot cattle, as well as in the cow herd.

Feed Efficiency Data is calculated in two ways:
- Residual Feed Intake
- Straight Feed to Gain ratio

FEED EFFICIENCY IS REALLY A COW HERD TRAIT... NOT JUST A FEEDLOT TRAIT.

THE TRR BRAND NAMES

ANTR = ANGUS TENDER   SMTR = SIMMENTAL TENDER

We continually search the world for proven genetics that qualify for these lines of our cattle. All Angus we have assembled and AI'd to must be in the very top percentile of the breed for Tenderness based on a genomic DNA test. All Simmental AI bulls we have ever used must be in the very top percentile of the breed for Shear Force EPD (measure of tenderness).

Consumers demand a tender beef eating experience - first time, every time and all the time. We are virtually the only seedstock source that is entrenching this futuristic trait into the bulls we sell and use ourselves.

GENOTYPE SELECTION ACCURATELY PREDICTS CATTLE MARKET CHARACTERISTIC

Genotyping is a powerful tool in shaping modern livestock management programs, as a detailed understanding of cattle DNA facilitates practial breeding and feedlot resource allocation strategies. As keen feedlot producers are becoming increasingly more aware of the reliability of genetic profiling when making purchasing decisions, cattle genotyping is an excellent tool to assist breeders in selecting animal traits because such techniques provide an objective measure of livestock market potential.

Leptin affects appetite and metabolism therefore, the different genotypes fatten at different rates. Fat accumulation is expensive. Growth traits are associated with fat accumulation. Carcass fat is a factor in determining yield and quality grade.

PMCH is associated with increased meat tenderness and increased fat.
DNA genomic tests for Leptin and Tenderness were done by Neogen this year.

LEPTIN AND TENDERNESS EXPLAINED

Homozygous favorable
Leptin TT = associated with increased weaning weight, increased rate of fat deposition, increased milk butterfat (cow)
Heterozygous favourable
Leptin CT = intermediate effects
Homozygous unfavourable
Leptin CC = weaker performer in criteria mentioned above

Tenderness DNA Tests
- Genomic measurements of Tenderness were done by Neogen
- All Angus bulls have had full Angus GS genomic profiles for 18 traits (Tenderness being one of them) that are reported as a top percentile of the Angus breed
- All bulls also have had a Neogen DNA test for Tenderness that is reported on a 1-10 scale with 10 being the most tender

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WE ARE TACKLING THE HARD TO MEASURE TRAITS

Feed Efficiency

Our 20 years of experience with individual animal feed efficiency testing has taught us many things, including that there is a huge difference among cattle... and you certainly can not tell them apart just by looking at them!

Feed Efficiency is 40% heritable. This set of bulls is 30% better than industry average.

Use the data to improve your calf crops and your cow herds. Feed efficient cows eat less every day for the 10-15 years that they are in the herd.

Tenderness

Tenderness is one of the consumers' top requirements for an enjoyable eating experience, but nobody else in the seedstock business is doing anything to attain it. We aim to make our beef predictably tender - right from the start - every time.

Longevity

Once you start a replacement heifer in your cow herd, the more years that she produces, the more profitable your cow herd is.

The Tangle Ridge Ranch herd is built around well proven sires that are Breed Trait Leaders for Stayability EPDs (number of years a cow stays in the herd). Many of our cows produce well into their teens.

HOW TO READ CHARTS

TNG BEEFMAKER SMTR 18J

15/05/2021 | TNG 18J | CSA-1385883 | Homo polled | Black | 88% Simmental | 6% Angus | 6% Limousin

Birthdate day/month/year

Tattoo

Registration #

Color and polledness are identified as homozygous or heterozygous. If DNA tests for color and polledness were done, the genomics company performing the test is listed in parenthesis eg. Igenity (Igen.).

Actual % Limousin, Simmental, or Angus

BWT	Adj. Wwt	Adj. Ywt	Yrlg Frame Score	Tenderness DNA	Leptin
88 Unasst.	598 lbs. Index: 90	1,176 lbs. Index: 96	4.8	4 Igenity	Heterozygous favourable

Actual birthweight and calving ease.

Yearling weights are adjusted to a standard 365 day age.

Hip heights taken at a year of age converted to a Beef Improvement Federation universal frame score chart on a 1-10 system where a 10 is the tallest animal.

Neogen DNA tests for Tenderness, 1 to 10 scores with 10 being the most tender.

Weaning weight adjusted to a standard 205 day weight. The index compares this animal to the others in this contemporary group. A 100 index is average. A 110 index is 10% heavier than the group average.

Expected Progeny Differences (EPDs)
from Oct. 12, 2023.

- All EPDs are from the International Limousin or Simmental Genetic Evaluations (BOLT - International Genetic Solutions)
- American Angus Association EPDs apply to lots 1 to 7

EPDs	EPD	EPD Acc	Top% Rank
CED	12.7	0.29	10
BW	0.2	0.38	5
WW	78.1	0.35	40
YW	111.6	0.36	50
CEM	7.3	0.27	15
Milk	26.0	0.28	60
TotMat	65.1	0.30	60
Stay	20.3	0.19	5
CW	25.3	0.30	60
REA	0.86	0.28	55
FAT	-0.1	0.25	95
MARB	0.31	0.26	1
API	152.1	-	1
TI	84.35	-	0.2
DOC	21.4	0.32	1

Figures in this column indicate the top % of the Limousin, Angus or Simmental breed they rank in. Example: A 20 indicates this bull is in the top 20% of the breed for this trait.

Fall 2023 Sale Bull Photos
Photos of this year's sale bulls were taken on October 4, 2023.

EPD charts for the purebred Angus bulls are from the American Angus Association's data.

EPD charts in blue are Canadian Limousin Association EPDs

Red EPD charts are Canadian Simmental Association EPDs.

Green charts are feed efficiency, performance, and carcass ultrasound data.

Ultrasound Carcass measurements.
- Ribeye areas are square inches per 100 lbs. live wt.
- Backfat is in inches
- Marbling is % - Intramuscular fat (IMF)
- All are official CUP Lab certified

2023 Data	Year Adj.	Index	Rank
Ribeye	1.22	-	13
Backfat	0.3	-	-
Marb.	2.16	-	14
%LMY	62%	-	18 tie

Indexes and Ranks
- Indexes and Ranks are within this test group
- Scan data adjusted to 1 year of age
- % Lean Meat Yields and ribeye are not indexed
- A 100 index is average
- A 110 index is 10% above average of the group, etc.
- Net Feed Efficiency and Feed Conversions are not indexed

Feed Efficiency and Performace Test
- Residual Feed Intake (RFI) = lbs. feed "dry matter". Lower is better
- Feed Conversion = lbs. dry matter per lb. gain. Lower is better
- Ave. Daily Gain = lb. gain per day. Higher is better

Net Feed Eff (RFI)	-1.67	-	6
Feed Conv.	4.71	-	6
ADG	5.52	101	13

"BEEFMAKER" BULLS
AND
"MILKMAID" FEMALES

Where "Pounds Per Acre" Matters

The live, efficient ones make the most net profit... year after year

TNG BEEFMAKER ANTR 71K

1 BEEFMAKER

15/06/2022 | 71K | AAA-20733205 | Homo polled | Homo Black | Purebred Black Angus

BWT	Adj. Wwt	Adj. Ywt	Yrlg Frame Score	Tenderness DNA	Leptin
81 Unasst.	579lbs. Index: 95	1,128 lbs. Index: 106	3.2	7 Igenity	Homozygous favourable

SIRE: R & R BEEFMAKER ANTR IF

GAR PROACTIVE
GREEN GARDEN BEAU S229

DAM: JMB LASSIE 865

CONNEALY 4127
JMB TRACTION LASSIE 409

- Actual gestation: N/A
- Dam indexed 109 for yearling weight and 117 for marbling scan. She was among the elite of her group for feed efficiency. A tank of a cow that holds the mature frame score down
- A cattle feeders dream - 6.37 average daily gain at an industry leading 4.15 : 1 feed conversion
- Big carcass scan indexes, homozygous favourable for leptin plus top 1% for tenderness

2023 Data	Year Adj.	In-dex	Rank
Ribeye	0.98	-	27
Backfat	0.39	-	-
Marb.	2.84	-	3

Net Feed Eff (RFI)	-1.06	-	10
Feed Conv	4.15	-	2
ADG	6.37	-	3

Production											Maternal						
CED Acc %	BW Acc %	WW Acc %	YW Acc %	RADG Acc %	DMI Acc %	YH Acc %	SC Acc %	Doc Acc %	Claw Acc %	Angle Acc %	HP Acc %	CEM Acc %	Milk Acc %	MkH Acc %	MW Acc %	MH Acc %	$EN Acc %
+5	+2.6	+75	+127	+.23	+1.23	+.4	+1.21	+15	+.77	+.68	+16.2	+8	+22		+49	+.6	-7
.32	.54	.45	.40	.31	.31	.50	.47	.33	.24	.24	.21	.27	.30		.37	.39	
65%	80%	20%	25%	70%	60%	65%	30%	70%	95%	95%	15%	55%	80%		70%	30%	35%

Carcass				Angus-On-Dairy $Values		$ Values						
CW Acc %	Marb Acc %	RE Acc %	Fat Acc %	$AxH	$AxJ	$M %	$W %	$F %	$G %	$B %	$C %
+58	+.73	+.58	+.010	+120	+89	+70	+68	+89	+56	+145	+258
.22	.20	.20	.18								
30%	40%	60%	50%	40%	50%	35%	25%	40%	40%	45%	35%

Angus GS Genomic Top Percentile Rankings within the Angus Breed																	
Trait	CED	BW	WW	YW	DMI	YH	SC	Doc	HP	CEM	Milk	MW	MH	CW	Marb	RE	FAT	Tend
Top %	86	90	14	34	66	60	22	68	10	78	92	67	35	34	53	9	27	1

JMB Lassie 865

Dam of Lot 1.

TNG BEEFMAKER ANTR 67K

CERTIFIED ANGUS BEEF

11/06/2022 | 67K | AAA-20733203 | Homo polled | Homo Black | Purebred Black Angus

BWT	Adj. Wwt	Adj. Ywt	Yrlg Frame Score	Tenderness DNA	Leptin
95 Unasst.	548 lbs. Index: 90	1,143 lbs. Index: 108	4.7	4 Igenity	Heterozygous favourable

SIRE: R & R BEEFMAKER ANTR 1F

GAR PROACTIVE
GREEN GARDEN BEAU S229

DAM: R & R MILKMAID ANTR 2F

GAR RELEVANCE
GREEN GARDEN DINAH S250

- Actual gestation: 283 days
- His dam indexed 105 for marbling, 115 for ribeye, 110 for weaning and 108 for yearling weight. She is the only GAR Relevance daughter in Canada
- A tremendously high growth bull that is verified by his genomic rankings of the top 6% weaning weight and top 2% yearling weight
- Gain on test of a hefty 6.51 lbs. per day at a 4.51 feed conversion rate

2023 Data	Year Adj.	In-dex	Rank
Ribeye	0.95	-	28
Backfat	0.26	-	-
Marb.	2.67	-	4

Net Feed Eff (RFI)	0.86	-	17
Feed Conv.	4.51	-	4
ADG	6.51	-	2

Production

CED Acc %	BW Acc %	WW Acc %	YW Acc %	RADG Acc %	DMI Acc %	YH Acc %	SC Acc %	Doc Acc %	Claw Acc %	Angle Acc %
+3	+4.0	+86	+160	+.32	+1.96	+.8	+0.97	+19	+.53	+.58
.29	.50	.42	.37	.27	.27	.47	.43	.29	.19	.19
80%	95%	4%	2%	10%	95%	25%	45%	50%	65%	95%

Maternal

HP Acc %	CEM Acc %	Milk Acc %	MkH Acc %	MW Acc %	MH Acc %	$EN Acc %
+12.6	+3	+24		+83	+.6	-26
.16	.22	.25		.34	.35	
45%	95%	70%		30%	30%	80%

Carcass

CW Acc %	Marb Acc %	RE Acc %	Fat Acc %
+57	+1.28	+.68	+.010
.21	.19	.19	.17
30%	10%	45%	50%

Angus-On-Dairy $Values

$AxH	$AxJ
+182	+176
10%	10%

$ Values

$M %	$W %	$F %	$G %	$B %	$C %
+64	+68	+107	+86	+193	+314
50%	25%	15%	5%`	5%	5%

Angus GS Genomic Top Percentile Rankings within the Angus Breed

Trait	CED	BW	WW	YW	DMI	YH	SC	Doc	HP	CEM	Milk	MW	MH	CW	Marb	RE	FAT	Tend
Top %	73	89	6	2	95	36	33	61	38	96	56	26	31	17	9	20	32	6

R & R Beefmaker ANTR 1F
Sire of Lots 1 and 2.

The only son of GAR Proactive in Canada. He was the top marbling bull in the R & R Acres Beefmaker January 2020 sale plus ranked #2 for gain, #4 for feed to gain and #6 for RFI.

3 BEEFMAKER

TNG BEEFMAKER ANTR 7K

11/05/2022 | 7K | AAA-20741841 | Homo polled | Homo Black | Purebred Black Angus

BWT	Adj. Wwt	Adj. Ywt	Yrlg Frame Score	Tenderness DNA	Leptin
96 Unasst.	720 lbs. Index: 118	1,360 lbs. Index: 128	4.8	9 Igenity	-

SIRE: BENCHMARK TENDER BEEF 1117
    GAR PROPHET
    BENCHMARK QUEEN 25914

DAM: JMB JOETTE TRACTION 563
    JMB TRACTION 292
    JMB JOETTE FINAL ANSWER 205

- Actual gestation: 278 days
- Dam side contains well-proven great sires JMB Traction 292 and SAV Final Answer 0035 - combinations of performance and maternal
- Dams EPD's for residual average daily gain and milk are in the top 20% of the breed, plus she keeps the mature height in moderation
- Tremendous growth indexing 118 at weaning, 128 at yearling, a whopping 6.64 lbs. per day average daily gain on test and did it at a good 5.76 + 1 ratio
- Yearling carcass ultrasound scan ribeye ratio of a big 130

2023 Data	Year Adj.	Index	Rank
Ribeye	1.02	-	23 tie
Backfat	0.31	-	-
Marb.	2.01	-	7

Net Feed Eff (RFI)	1.3	-	22
Feed Conv	5.76	-	25
ADG	6.64	-	1

Production / Maternal

CED Acc %	BW Acc %	WW Acc %	YW Acc %	RADG Acc %	DMI Acc %	YH Acc %	SC Acc %	Doc Acc %	Claw Acc %	Angle Acc %	HP Acc %	CEM Acc %	Milk Acc %	MkH Acc %	MW Acc %	MH Acc %	$EN Acc %
+6	+1.6	+82	+150	+.29	+1.94	+.9	+0.99	+23	+.46	+.54	+5.3	+9	+33		+83	+.5	-31
.34	.54	.47	.42	.33	.33	.51	.48	.36	.28	.28	.24	.31	.32		.39	.40	
55%	60%	10%	5%	25%	95%	15%	45%	30%	35%	80%	95%	45%	15%		30%	40%	90%

Carcass / Angus-On-Dairy $Values / $ Values

CW Acc %	Marb Acc %	RE Acc %	Fat Acc %	$AxH	$AxJ	$M %	$W %	$F %	$G %	$B %	$C %
+80	+.83	+.96	-.018	+140	+131	+54	+80	+105	+69	+174	+280
.24	.22	.22	.21								
3%	30%	15%	15%	25%	25%	80%	5%	15%	20%	15%	20%

Angus GS Genomic Top Percentile Rankings within the Angus Breed

Trait	CED	BW	WW	YW	DMI	YH	SC	Doc	HP	CEM	Milk	MW	MH	CW	Marb	RE	FAT	Tend
Top %	72	66	30	15	89	38	68	22	95	69	20	61	62	16	26	13	37	17

GAR Prophet
Grandsire of Lot 3.

TNG BEEFMAKER ANTR 4K

4 BEEFMAKER

06/05/2022| 4K | AAA-20741840 | Homo polled | Homo Black | Purebred Black Angus

CERTIFIED ANGUS BEEF — Targeting the Brand — SINCE 1978

BWT	Adj. Wwt	Adj. Ywt	Yrlg Frame Score	Tenderness DNA	Leptin
84 Unasst.	606 lbs. Index: 100	996 lbs. Index: 94	3.0	3 Igenity	Homozygous favourable

SIRE: BENCHMARK TENDER BEEF 11'17

GAR PROPHET
BENCHMARK QUEEN 2591'14

DAM: JMB EONA ELEMENT 702

POSS ELEMENT 215
JMB EONA CONSENSUS 5131

- Actual gestation: 273 days
- His dam puts lots of good things together. Her EPD's rank her in the top 4% for calving ease direct and maternal calving ease, had a top 3% genomic tenderness ranking and had a tremendous 6.60 marbling scan as a yearling
- Calving ease indicators with a great 5.21 lbs. average daily gain along with holding a mature height in check

2023 Data	Year Adj.	In-dex	Rank
Ribeye	1.07	-	21
Backfat	0.2	-	-
Marb.	1.76	-	15

	Year Adj.		
Net Feed Eff (RFI)	1.01	-	18
Feed Conv.	5.1	-	13
ADG	5.21	-	14 Tie

Production / Maternal

	CED Acc %	BW Acc %	WW Acc %	YW Acc %	RADG Acc %	DMI Acc %	YH Acc %	SC Acc %	Doc Acc %	Claw Acc %	Angle Acc %	HP Acc %	CEM Acc %	Milk Acc %	MkH Acc %	MW Acc %	MH Acc %	$EN Acc %
	+12	+0.4	+74	+124	+.23	+1.48	+.5	+0.62	+20	+.50	+.48	+9.4	+17	+28		+60	+.3	-16
	.36	.56	.48	.43	.33	.33	.51	.48	.36	.28	.28	.24	.31	.32		.39	.40	
	10%	35%	20%	30%	70%	80%	55%	70%	45%	55%	50%	80%	1%	40%		60%	60%	55%

Carcass / Angus-On-Dairy $Values / $ Values

	CW Acc %	Marb Acc %	RE Acc %	Fat Acc %	$AxH	$AxJ	$M %	$W %	$F %	$G %	$B %	$C %
	+52	+0.89	+.75	-.009	+151	+124	+70	+76	+96	+68	+164	+283
	.24	.21	.21	.20								
	45%	25%	35%	25%	20%	30%	35%	10%	25%	20%`	20%	20%

Angus GS Genomic Top Percentile Rankings within the Angus Breed

Trait	CED	BW	WW	YW	DMI	YH	SC	Doc	HP	CEM	Milk	MW	MH	CW	Marb	RE	FAT	Tend
Top %	43	73	16	31	82	41	56	50	69	6	44	48	46	25	28	45	54	12

GAR Prophet
Grandsire of Lot 4.

TNG BEEFMAKER ANTR 48K

5 BEEFMAKER

25/05/2022 | 48K | AAA-20741839 | Homo polled | Homo Black | Purebred Black Angus

BWT	Adj. Wwt	Adj. Ywt	Yrlg Frame Score	Tenderness DNA	Leptin
88 Unasst.	622 lbs. Index: 102	1,195 lbs. Index: 112	4.8	7 Igenity	Heterozygous favourable

SIRE: BENCHMARK TENDER BEEF 1117

DAM: JMB EONA 848

GAR PROPHET
BENCHMARK QUEEN 25914

ELLINGSON RIBEYE 3195
JMB EONA BIS 115

- Actual gestation: 283 days
- Consistant dam that put out another good son
- Almost gained 6 lbs. per day, efficient conversion in a moderate frame
- Indexed 127 for marbling scan and 110 for ribeye

2023 Data	Year Adj.	In-dex	Rank
Ribeye	1.01	-	25
Backfat	0.06	-	-
Marb.	3.01	-	2

Net Feed Eff (RFI)	1.81	-	24
Feed Conv.	5.45	-	19 Tie
ADG	5.91	-	6 Tie

Production / Maternal

CED Acc %	BW Acc %	WW Acc %	YW Acc %	RADG Acc %	DMI Acc %	YH Acc %	SC Acc %	Doc Acc %	Claw Acc %	Angle Acc %	HP Acc %	CEM Acc %	Milk Acc %	MkH Acc %	MW Acc %	MH Acc %	$EN Acc %
+10	+1.1	+75	+132	+.26	+1.51	+.8	+0.35	+15	+.32	+.36	+4.0	+14	+26		+53	+.3	-11
.35	.55	.47	.42	.32	.32	.51	.48	.36	.27	.27	.23	.31	.32		.39	.39	
20%	50%	20%	20%	45%	80%	25%	85%	70%	3%	5%	95%	5%	55%		65%	60%	40%

Carcass / Angus-On-Dairy $Values / $ Values

CW Acc %	Marb Acc %	RE Acc %	Fat Acc %	$AxH	$AxJ	$M %	$W %	$F %	$G %	$B %	$C %
+55	+.86	+.69	+.013	+127	+112	+69	+74	+95	+64	+159	+275
.23	.21	.21	.20								
35%	30%	45%	55%	35%	35%	35%	15%	30%	25%	25%	25%

Angus GS Genomic Top Percentile Rankings within the Angus Breed

Trait	CED	BW	WW	YW	DMI	YH	SC	Doc	HP	CEM	Milk	MW	MH	CW	Marb	RE	FAT	Tend
Top %	47	64	11	20	84	22	69	45	99	22	69	55	42	25	43	63	69	5

*R & R Beefmaker ANTR 4H
Maternal brother to Lot 5.*

One of the top sellers from the 2021 R & R Acres Beefmaker Bull Sale. Ranked #2 for marbling and #6 for gain.

6 BEEFMAKER

TNG BEEFMAKER ANTR 13K

CERTIFIED ANGUS BEEF — Targeting the Brand

13/05/2022 | 13K | AAA-20741831 | Homo polled | Homo Black | Purebred Black Angus

BWT	Adj. Wwt	Adj. Ywt	Yrlg Frame Score	Tenderness DNA	Leptin
87 Unasst.	660 lbs. Index: 109	1,204 lbs. Index: 114	4.7	5 Igenity	Heterozygous favourable

SIRE: BENCHMARK TENDER BEEF 1117

GAR PROPHET
BENCHMARK QUEEN 25914

DAM: DH QUEEN 835

GAR PROPHET
DOUBLE HEART QUEEN 35

- Actual gestation: 280
- Linebred to GAR Prophet for superior marbling, growth and maternal traits
- Here's a bull that puts it all together in one package for growth, marbling, and muscle plus verified by genomic rankings

2023 Data	Year Adj.	In-dex	Rank
Ribeye	0.92	-	29
Backfat	0.41	-	-
Marb.	4.13	-	1

Net Feed Eff (RFI)	1.04	-	19
Feed Conv.	6.04	-	27
ADG	5.35	-	10

Production / Maternal

	CED Acc %	BW Acc %	WW Acc %	YW Acc %	RADG Acc %	DMI Acc %	YH Acc %	SC Acc %	Doc Acc %	Claw Acc %	Angle Acc %	HP Acc %	CEM Acc %	Milk Acc %	MkH Acc %	MW Acc %	MH Acc %	$EN Acc %
	+10	+1.8	+84	+145	+.26	+2.01	+.9	+1.37	+11	+.54	+.48	+6.1	+15	+32		+71	+.7	-24
	.28	.47	.40	.36	.26	.26	.45	.42	.28	.21	.21	.17	.23	.24		.31	.31	
	20%	65%	10%	10%	45%	95%	15%	20%	85%	70%	50%	95%	2%	15%		45%	25%	75%

Carcass / Angus-On-Dairy $Values / $ Values

	CW Acc %	Marb Acc %	RE Acc %	Fat Acc %	$AxH %	$AxJ %	$M %	$W %	$F %	$G %	$B %	$C %
	+63	+1.32	+.55	+.036	+133	+11	+60	+83	+92	+84	+176	+288
	.24	.22	.22	.20								
	20%	5%	65%	85%	30%	35%	60%	3%	35%	10%	15%	15%

Angus GS Genomic Top Percentile Rankings within the Angus Breed

Trait	CED	BW	WW	YW	DMI	YH	SC	Doc	HP	CEM	Milk	MW	MH	CW	Marb	RE	FAT	Tend
Top %	39	74	9	20	95	13	14	88	91	15	18	55	22	32	2	65	84	18

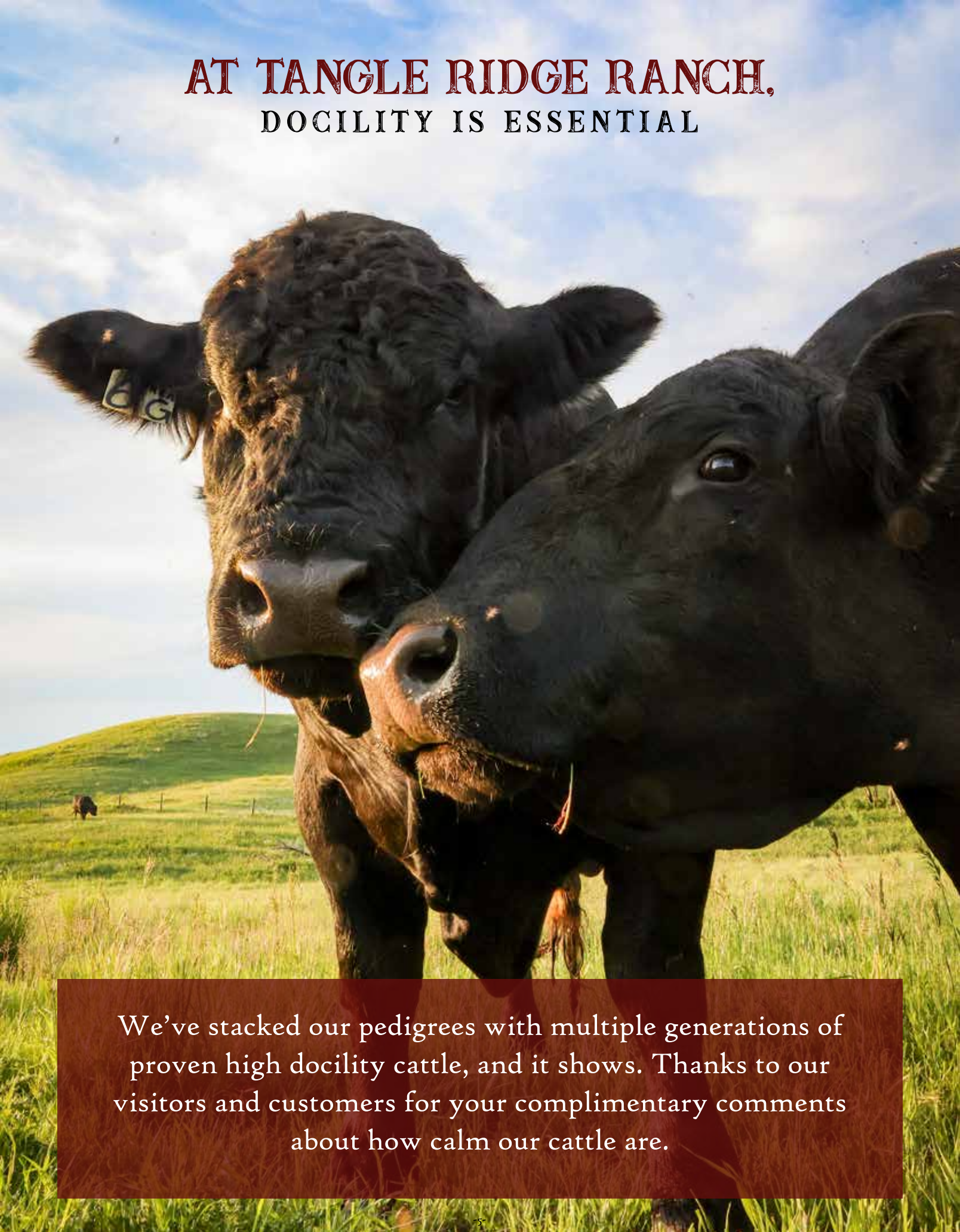*GAR Prophet*

One of the Angus breed's most well proven sires with progeny that are outstanding for marbling, maternal and growth.

AT TANGLE RIDGE RANCH,
DOCILITY IS ESSENTIAL

We've stacked our pedigrees with multiple generations of proven high docility cattle, and it shows. Thanks to our visitors and customers for your complimentary comments about how calm our cattle are.

TNG BEEFMAKER ANTR 9K

BEEFMAKER 7

12/05/2022 | 9K | AAA-20733206 | Homo polled | Homo Black | Purebred Black Angus

BWT	Adj. Wwt	Adj. Ywt	Yrlg Frame Score	Tenderness DNA	Leptin
79 Unasst.	660 lbs. Index: 109	1,207 lbs. Index: 114	3.3	9 Igenity	Homozygous favourable

SIRE: SYDGEN ENHANCE

SYDGEN EXCEED 3223
SYDGEN RITA 2618

DAM: JMB JOETTE 8189

SITZ READY MONEY 668B
JMB JOETTE CAHOOTS 5108

- Actual gestation: 273
- Dam has perfect udder and teats
- Dam indexed 111 at weaning and 120 for marbling scan
- Note that he is homozygous favourable for leptin, has a high tenderness score and has a top 4% Angus GS Tenderness ranking

2023 Data	Year Adj.	In- dex	Rank
Ribeye	1.02	-	23 tie
Backfat	0.3	-	-
Marb.	2.16	-	6

Net Feed Eff (RFI)	0.55	-	15
Feed Conv	5.44	-	18
ADG	5.93	-	5

Production

	CED Acc %	BW Acc %	WW Acc %	YW Acc %	RADG Acc %	DMI Acc %	YH Acc %	SC Acc %	Doc Acc %	Claw Acc %	Angle Acc %	HP Acc %	CEM Acc %	Milk Acc %	MkH Acc %	MW Acc %	MH Acc %	$EN Acc %
	+3	+2.4	+82	+147	+.30	+1.67	+.8	+1.91	+22	+.50	+.56	+14.2	+10	+22		+104	+.6	-35
	.35	.55	.47	.43	.34	.34	.52	.48	.36	.28	.28	.26	.32	.34		.41	.42	
	80%	80%	10%	10%	20%	90%	25%	4%	35%	55%	90%	30%	35%	80%		15%	30%	95%

Maternal (columns HP through $EN above)

Carcass / $ Values

	CW Acc %	Marb Acc %	RE Acc %	Fat Acc %	$AxH %	$AxJ %	$M %	$W %	$F %	$G %	$B %	$C %
	+62	+.90	+.71	+0	+132	+116	+58	+67	+99	+68	+166	+273
	.30	.29	.28	.28								
	20%	25%	40%	35%	30%	35%	70%	30%	25%	20%`	20%	25%

Angus-On-Dairy $Values: $AxH, $AxJ

Angus GS Genomic Top Percentile Rankings within the Angus Breed

Trait	CED	BW	WW	YW	DMI	YH	SC	Doc	HP	CEM	Milk	MW	MH	CW	Marb	RE	FAT	Tend
Top %	66	63	48	26	71	55	6	51	28	6	92	41	64	59	43	40	11	4

R & R Beefmaker ANTR 12J Maternal brother to Lot 7.

Top marbling bull from the 2022 Tangle Ridge Ranch Beefmaker Bull Sale.

TNG BEEFMAKER SMTR 28K

18/05/2022 | TNG 28K | CSA-1435059 | Homo polled | Red | 28/32 Simmental

BWT	Adj. Wwt	Adj. Ywt	Yrlg Frame Score	Tenderness DNA	Leptin
78 Unasst.	592 lbs. Index: 96	1,101 lbs.	5.4	7 Igenity	Heterozygous favourable

SIRE: WS ALL ABOARD B80

WS ALL - AROUND Z35
WS LITTLE SISTER W37

DAM: R AND R MILKMAID SMTR 4F

TRAXS RUSHMORE X103
R AND R MILKMAID SMTR 24D

- Actual gestation: 279 days
- Linebred to the great all-around Simmental sire, Hooks Shear Force 38K to intensify the superior calving ease, good growth, nice docility, maternal traits and unbeatable carcass traits including tenderness
- Dam is a moderate framed, light birth weight cow with EPD's in the top 1-4% of the breed for calving ease, birthweight, maternal calving ease, docility, carcass weight and ribeye area

EPDs	EPD	EPD Acc	Top% Rank
CED	14.3	0.20	4
BW	-1.2	0.22	2
WW	88.1	0.22	15
YW	135.1	0.22	10
CEM	9.2	0.19	3
Milk	20.4	0.20	95
TotMat	64.4	0.21	65
Stay	7.8	0.19	100
CW	41.6	0.25	5
REA	1.32	0.24	1
FAT	-0.10	0.22	65
MARB	0.22	0.23	2
API	134.6	-	3
TI	90.92	-	1
DOC	17.5	0.26	1

2023 Data	Year Adj.	In-dex	Rank
Ribeye	1	-	26
Backfat	0.28	-	-
Marb.	1.96	-	9
%LMY	61	-	21

Net Feed Eff (RFI)	-2.47	-	4
Feed Conv	4.88	-	7 Tie
ADG	5.33	-	11

Traxs Rushmore X103

Well proven sire whose progeny earned him EPD's in the top 1-3% of the breed for calving ease, low birth weight, and maternal calving ease. Top 1-3% of the breed for carcass weight, ribeye, and both indexes, plus top 10% for weaning weight.

9 BEEFMAKER

TNG BEEFMAKER SMTR 29K

18/05/2022 | TNG 29K | CSA-1433664 | Homo polled | Red | 28/32 Simmental

BWT	Adj. Wwt	Adj. Ywt	Yrlg Frame Score	Tenderness DNA	Leptin
87 Unasst.	640 lbs. Index: 104	1,170 lbs.	4.2	5 Igenity	Heterozygous favourable

SIRE: WS ALL ABOARD B80

WS ALL - AROUND Z35
WS LITTLE SISTER W37

DAM: R AND R MILKMAID SMTR 1G

TRAXS RUSHMORE X103
R AND R MILKMAID SMTR 7E

- Actual gestation: 279 days
- 3/4 brother to Lot 11 and to the 2022 Beefmaker Bull Sale "Cattle College" Bull
- Dam was 75 lbs. at birth indexed 108 at weaning and 119 at a year
- Fertile dams first calf, a full sister heifer, was 67 lbs. at birth indexed 113 at weaning, 117 at yearling, and had a plentiful yearling marbling scan of 5.38 to index 132

EPDs	EPD	EPD Acc	Top% Rank
CED	14.3	0.20	4
BW	-0.6	0.22	3
WW	96.9	0.21	2
YW	152.1	0.22	1
CEM	8.8	0.19	4
Milk	22.7	0.20	85
TotMat	71.2	0.20	30
Stay	8.3	0.17	100
CW	50.9	0.25	1
REA	1.43	0.24	1
FAT	-0.12	0.22	55
MARB	0.23	0.23	2
API	139.2	-	2
TI	96.22	-	1
DOC	16.7	0.24	2

2023 Data	Year Adj.	Index	Rank
Ribeye	1.15	-	15
Backfat	0.18	-	-
Marb.	1.42	-	21
%LMY	65	-	8

Net Feed Eff (RFI)	-3.66	-	1
Feed Conv	5.01	-	10
ADG	5.18	-	16

WS All Aboard B80
Sire of Lots 8, 9, 10, 11.

One of the well proven Simmental bulls whose progeny earned him EPD's in the top 1-10% for calving ease, birthweight, weaning weight, yearling weight, maternal calving ease, docility, carcass weight, ribeye area, marbling and terminal index.

TNG BEEFMAKER SMTR 46K

23/05/2022| TNG 46K | CSA-1433784| Homo polled | Red | 24/32 Simmental

BWT	Adj. Wwt	Adj. Ywt	Yrlg Frame Score	Tenderness DNA	Leptin
100 Unasst.	664 lbs. Index: 112	1,099 lbs. Index: 97	5	1 Igenity	-

SIRE: WS ALL ABOARD B80

WS ALL – AROUND Z35
WS LITTLE SISTER W37

DAM: R AND R MILKMAID SMTR 53H

R AND R BEEFMAKER SMTR 121D
R AND R MILKMAID SMTR 26Y

- Actual gestation length: 293 days
- Triple linebred to the all-time great Hooks Shear Force 38A
- One of our best cow familes for longevity and milking ability

EPDs	EPD	EPD Acc	Top% Rank
CED	12.2	0.17	10
BW	0.7	0.21	10
WW	91.3	0.20	10
YW	143.4	0.21	3
CEM	6.9	0.16	15
Milk	24.3	0.17	75
TotMat	70.0	0.18	35
Stay	6.2	0.15	100
CW	44.0	0.26	3
REA	1.36	0.25	1
FAT	-0.1	0.22	80
MARB	0.29	0.23	1
API	119.4	-	25
TI	87.84	-	1
DOC	17.6	0.26	1

2023 Data	Year Adj.	Index	Rank
Ribeye	1.14	-	16 tie
Backfat	0.19	-	-
Marb.	1.88	-	14
%LMY	64.2	-	11

Net Feed Eff (RFI)	0	-	14
Feed Conv	4.88	-	7 Tie
ADG	5.26	-	13

R and R Beefmaker SMTR 32F
Maternal brother to Lot 10's dam.

Top seller in the February 2020 Beefmaker Bull Sale to Marsh Ranch. Ranked #2-6 for RFI, average daily gain, feed to gain, percent lean meat yield and marbling.

R and R Beefmaker SMTR 121D

He was one of the popular bulls in the 2018 Beefmaker Bull Sale where he ranked #5 for RFI, #6 for marbling and percent lean meat yield and #11 for gain. He was a whopping 1,445 lbs. at a year to index 137.

11 BEEFMAKER

TNG BEEFMAKER SMTR 45K

23/05/2022 | TNG 45K | CSA-1433712 | Homo polled | Red | 24/32 Simmental

BWT	Adj. Wwt	Adj. Ywt	Yrlg Frame Score	Tenderness DNA	Leptin
86 Unasst.	621 lbs. Index 104	1,160 lbs. Index 103	3.7	5 Igenity	Heterozygous favourable

SIRE: WS ALL ABOARD B80

WS ALL – AROUND Z35
WS LITTLE SISTER W37

DAM: R AND R MILKMAID SMTR 7E

WS BEEF MAKER R13
R & R MILKMAID 30Z

- Actual gestation: 284 days
- His dam's grandsire is one of the top proven 1% most feed efficient bulls in Neogen's (Vytelle) list of most feed efficient bulls tested through their Grow Safe data collection equipment around the world, so his feed efficiency superiority traces back to the original Limousin base
- Dam's EPD's rank her in the top 1-10% of the breed for 11 traits including all 3 calving ease indicators, yearling weight, docility, post weaning gain, carcass weight, ribeye, marbling and both all purpose and terminal indexes
- Dam had a good 3.58 marbling scan with only 0.19 inch backfat
- Dam's first calf, as a two year old, was 75 lbs. at birth and indexed 112 at weaning and 115 at yearling
- Granddam, R & R Milkmaid 30Z, is a CLA Elite Dam indicating the superior Angus-based Limousin females we used for the base of our Simmental line

EPDs	EPD	EPD Acc	Top% Rank
CED	13.1	0.19	10
BW	-0.2	0.22	4
WW	91.1	0.21	10
YW	140	0.22	5
CEM	7.8	0.19	10
Milk	23.1	0.20	80
TotMat	68.7	0.20	45
Stay	8.5	0.18	100
CW	41.5	0.26	5
REA	1.36	0.26	1
FAT	-0.1	0.24	70
MARB	0.28	0.25	1
API	126.1	-	10
TI	88.62	-	1
DOC	16.5	0.27	2

R and R Beefmaker SMTR 23J
2022 Cattle College Bull
Full brother to Lot 11.

He ranked #1 for RFI and feed : gain ratio at 4.31 : 1.
#3 for average daily gain at 6.04 lbs. per day. #1 for
marbling and #9 for ribeye area.

2023 Data	Year Adj.	In-dex	Rank
Ribeye	1.26	-	7 tie
Backfat	0.26	-	-
Marb.	1.92	-	10 tie
%LMY	64	-	12 tie

	Year Adj.	In-dex	Rank
Net Feed Eff (RFI)	-1.76	-	5
Feed Conv	4.79	-	5
ADG	5.91	-	6 Tie

12 BEEFMAKER

TNG BEEFMAKER SMTR 26K

18/05/2022 | TNG 26K | CSA-1433662 | Homo polled | Homo Black | 24/32 Simmental

BWT	Adj. Wwt	Adj. Ywt	Yrlg Frame Score	Tenderness DNA	Leptin
92 Unasst.	731 lbs. Index: 130	1,257 lbs.	5.2	6 Igenity	Heterozygous favourable

SIRE: CCR COWBOY CUT 5048Z

TRIPLE C SINGLETARY S3H
CCR MS 4045 TIME 7322T

DAM: R AND R MILKMAID SMTR 12F

JC ENGINEER 102C
R AND R MILKMAID SMTR 18D

- Actual gestation: 279 days
- Fertile dams EPD's rank her in the top 1-10% of the Simmental breed for 13 traits
- Dam is one of the only two JC Engineer 102C daughters in Canada - both at Tangle Ridge Ranch and they are both excellent. JC Engineer 102C's Shear Force EPD is in the top 1%

EPDs	EPD	EPD Acc	Top% Rank
CED	13	0.20	10
BW	1.5	0.22	15
WW	91.1	0.22	10
YW	137.7	0.22	10
CEM	9.3	0.20	3
Milk	30.5	0.20	35
TotMat	76.1	0.21	15
Stay	16.8	0.18	30
CW	37.1	0.26	15
REA	1.09	0.25	5
FAT	-0.08	0.23	95
MARB	0.26	0.24	2
API	137	-	2
TI	85.95	-	1
DOC	16.8	0.26	2

2023 Data	Year Adj.	Index	Rank
Ribeye	1.13	-	18
Backfat	0.26	-	-
Marb.	1.92	-	10 tie
%LMY	63.7	-	16

Net Feed Eff (RFI)	-1.19	-	9
Feed Conv	5.59	-	23
ADG	5.64	-	8

R and R Beefmaker SMTR 9J

Full brother to Lot 12 and top seller in the 2022 Beefmaker Bull Sale.

R and R Milkmaid SMTR 12F

Dam of Lot 12 as a first calf heifer. She moved up 3 weeks in calving between her first and second calves.

13 BEEFMAKER

TNG BEEFMAKER SMTR 36K

21/05/2022 | TNG 36K | CSA-1433699 CLA-4120285 | Homo polled | Het. Black | 24/32 Simmental

BWT	Adj. Wwt	Adj. Ywt	Yrlg Frame Score	Tenderness DNA	Leptin
88 Unasst.	514 lbs. Index: 91	1,025 lbs. Index: 107	3	6 Igenity	Homozygous favourable

SIRE: CCR COWBOY CUT 5048Z

TRIPLE C SINGLETARY S3H
CCR MS 4045 TIME 7322T

DAM: R AND R MILKMAID SMTR 7D

WS BEEF MAKER R13
R & R MILKMAID 43U

- Actual gestation: 282 days
- "Right sized" dam maintains a 361 day calving interval including an embryo flush
- Dam's progeny average indexes are 105, 109, and 112 for weaning weight, yearling weight, and ribeye area
- Dam herself was 76 lbs. at birth, indexed 109 at weaning, 112 at yearling, 125 for marbling with a 3.67 IMF and 106 index for ribeye
- Perfect bull for beef-on-dairy use

EPDs	EPD	EPD Acc	Top% Rank
CED	11.0	0.24	20
BW	2.3	0.25	30
WW	87.4	0.24	15
YW	127.5	0.24	20
CEM	9.3	0.21	3
Milk	27.6	0.21	50
TotMat	71.3	0.22	30
Stay	16.6	0.22	35
CW	28.2	0.23	45
REA	1.07	0.23	30
FAT	-0.08	0.22	95
MARB	0.29	0.23	1
API	131.8	-	5
TI	82.66	-	3
DOC	17.7	0.28	1

EPDs	EPD	EPD Acc	Top% Rank
Gest	-1	0.05	95
CED	12	0.25	10
BW	1.2	0.35	30
WW	79	0.31	3
YW	120	0.33	3
CEM	9	0.24	3
Milk	27	0.25	20
TotMat	66	-	3
SC	1.20	0.05	2
DOC	17	0.30	3
Stay	18	0.20	2
CW	28	0.27	25
REA	1.23	0.25	25
FAT	-0.09	0.22	70
MARB	0.22	0.23	1

2023 Data	Year Adj.	Index	Rank
Ribeye	1.36	-	4
Backfat	0.15	-	-
Marb.	1.73	-	16 tie
%LMY	65.9	-	7

Net Feed Eff (RFI)	-3.57	-	2 Tie
Feed Conv	4.27	-	3
ADG	5.28	-	12

R & R Beefmaker SMTR 35F
2020 "Cattle College" Bull
Maternal brother to Lot 13.

Ranked #1 for gain at 5.45 lbs. per day, feed conversion 4.63 : 1, RFI of -2.67 and 67.1 percent lean meat yield.

R and R Milkmaid SMTR 7D
Dam of Lot 13.

One of our most consistently good feed efficient cow families. Her son in the November 2020 Beefmaker Bull Sale ranked #1 for percent lean meat yield.

14 BEEFMAKER

TNG BEEFMAKER SMTR 23K

16/05/2022 | TNG 23K | CSA-1433660 | Homo polled | Homo Black | 30/32 Simmental

BWT	Adj. Wwt	Adj. Ywt	Yrlg Frame Score	Tenderness DNA	Leptin
76 Unasst.	609 lbs.	1,095 lbs.	3.8	6 Igenity	Heterozygous favourable

SIRE: DIKEMANS DOUBLE DOWN 26W

DIKEMANS SURE BET
NATASHA ION

DAM: R AND R MILKMAID SMTR 1D

CCR COWBOY CUT 5048Z
R AND R MILKMAID SMTR 8B

- Actual gestation length: 277 days
- Tremendous cow family well proven for superior calving ease, high growth and top carcass traits

EPDs	EPD	EPD Acc	Top% Rank
CED	12.4	0.21	10
BW	0.6	0.24	10
WW	80.2	0.23	35
YW	117.1	0.23	40
CEM	6.7	0.19	20
Milk	29.4	0.21	40
TotMat	69.5	0.22	40
Stay	19	0.18	10
CW	28.8	0.28	40
REA	0.84	0.27	60
FAT	-0.08	0.25	95
MARB	0.33	0.27	1
API	152	-	1
TI	86.11	-	1
DOC	21	0.29	1

2023 Data	Year Adj.	In-dex	Rank
Ribeye	1.14	-	16 tie
Backfat	0.2	-	-
Marb.	2.22	-	5
%LMY	64	-	12 tie

Net Feed Eff (RFI)	-1.74	-	6
Feed Conv	5.35	-	16
ADG	5.01	-	17

Dikeman's Double Down 26W
Sire of Lot 14.

Well proven sire whose EPD's rank him in the top 1% of the Simmental breed for docility, marbling, all purpose index and terminal index. Top 1% for Shear Force EPD.

TNG BEEFMAKER SMTR 3K

04/05/2022 | TNG 3K | CSA-1433579 | Homo polled | Homo Black | 24/32 Simmental

BWT	Adj. Wwt	Adj. Ywt	Yrlg Frame Score	Tenderness DNA	Leptin
75 Unasst.	549 lbs. Index: 92	1,112 lbs.	-	5 Igenity	Heterozygous favourable

SIRE: WS PROCLAMATION E202

CCR COWBOY CUT 5048Z
WS MISS SUGAR C4

DAM: R AND R MILKMAID SMTR 47H

R AND R BEEFMAKER SMTR 17D
R AND R MILKMAID SMTR 13Z

- Actual gestation: 274 days
- His fertile first calf-dam had him at 23 months of age
- 13 EPD's in the top 1-15% of the breed
- Triple linebred to Triple C Singletary 53H, a well proven performance bull

EPDs	EPD	EPD Acc	Top% Rank
CED	11.3	0.18	15
BW	1.3	0.22	15
WW	94.4	0.21	4
YW	146	0.21	2
CEM	7.2	0.17	15
Milk	30.6	0.17	35
TotMat	77.8	0.18	10
Stay	16.7	0.13	35
CW	43.7	0.24	3
REA	1.09	0.23	5
FAT	-0.071	0.21	100
MARB	0.37	0.23	1
API	142.7	-	1
TI	90.64	-	1
DOC	19.6	0.26	1

2023 Data	Year Adj.	Index	Rank
Ribeye	1.18	-	14
Backfat	0.27	-	-
Marb.	1.62	-	18
%LMY	62.8	-	18

Net Feed Eff (RFI)	2.93	-	29
Feed Conv	6.41	-	28
ADG	4.97	-	19

R and R Beefmaker SMTR 17D

His EPD's rank him in the top 1% of the Simmental breed for weaning weight, yearling weight, docility, carcass weight, ribeye area, marbling and terminal index.

WS Proclamation E202
Sire of Lot 15.

With over 500 progeny in the Simmental database, his offspring rank his EPD's in the top 1-4% of the breed for weaning weight, yearlimg weight, milk, maternal weaning weight, docility, carcass weight, marbling, all purpose index, terminal index, plus top 15% for gain and shear force (tenderness).

16 BEEFMAKER

TNG BEEFMAKER SMTR 55K

30/05/2022 | TNG 55K | CSA-1435047 | Homo polled | Homo Black | 16/32 Simmental

BWT	Adj. Wwt	Adj. Ywt	Yrlg Frame Score	Tenderness DNA	Leptin
80 Unasst.	590 lbs.	998 lbs. Index 104	3.6	1 Igenity	Heterozygous favourable

SIRE: R AND R BEEFMAKER SMTR 6G

HOOK'S BEACON 56B
R AND R MILKMAID SMTR 30E

DAM: R AND R MILKMAID SMTR 2G

HOOK'S BEACON 56B
R AND R MILKMAID SMTR 31E

- Actual gestation: N/A
- Dams birthweight was 73 lbs. yet she indexed 128 for yearling weight - now that's the right spread!
- Dam's well balanced EPD's place her in the breed's top 1% for both all purpose index and terminal index
- Linebred to the highly proven Hook's Beacon 56B. Rare, elite genetics only found in Canada within this program
- A good option for beef-on-dairy use

EPDs	EPD	EPD Acc	Top% Rank
CED	14.1	0.16	4
BW	-0.2	0.18	4
WW	81.2	0.18	30
YW	125.4	0.18	25
CEM	9.9	0.13	2
Milk	29.2	0.12	40
TotMat	69.8	0.14	35
Stay	17.2	0.14	25
CW	40.6	0.25	10
REA	1.41	0.24	1
FAT	-0.1	0.14	100
MARB	0.37	0.15	1
API	145.14	-	1
TI	85.10	-	2
DOC	15.8	0.17	3

2023 Data	Year Adj.	In-dex	Rank
Ribeye	1.26	-	7 tie
Backfat	0.24	-	-
Marb.	1.91	-	12 tie
%LMY	63	-	17
Net Feed Eff (RFI)	0.62	-	16
Feed Conv	5.16	-	14
ADG	4.96	-	20

Hooks Beacon 56B

R and R Beefmaker SMTR 6G

Progeny in Canada only avaliable here. With nearly 1000 progeny in the system, his EPD's rank him in the top 1% of the breed for calving ease, birthweight, maternal calving ease, stayability, ribeye area, marbling and both indexes.

Sire of Lots 16 and 23.

17 BEEFMAKER

TNG BEEFMAKER 33K

21/05/2022 | TNG 33K | CLA-4120282 | Homo polled (Igen) | Het. Black (Igen) | 66% Limousin | 34% Angus

BWT	Adj. Wwt	Adj. Ywt	Yrlg Frame Score	Tenderness DNA	Leptin
100 Unasst.	591 lbs. Index: 108	967 lbs. Index: 100	3.5	6 Igenity	Homozygous favourable

SIRE: R & R BEEFMAKER 116D

R & R BEEFMAKER 7Z
R & R MILKMAID 40W

DAM: R & R MILKMAID 8D

WR JOURNEY - 1X74
R & R MILKMAID 88U

- Actual gestation: 282 days
- Dam's calving interval is 368 days on 5 calves
- Dam's yearling carcass scan indexed 114 for ribeye and a whopping 139 for marbling
- TNG 33K hits a home run for a fantastic combination of growth, carcass traits and feed efficiency - perfect for the entire beef industry
- Note his huge, huge ribeye area of 1.76 square inches per 100 lbs. live weight - probably our thickest muscled bull ever!
- When you sort the entire Canadian Limousin Association EPD database for his amount of ribeye, high yearling weight and top 10% marbling he is the #1 bull in the whole country

EPDs	EPD	EPD Acc	Top% Rank
Gest	-3	0.19	35
CED	5	0.22	85
BW	3.8	0.35	85
WW	87	0.32	1
YW	130	0.33	1
CEM	5	0.18	45
Milk	19	0.17	85
TotMat	63	-	10
SC	1.32	0.1	1
DOC	15	0.29	10
Stay	15	0.12	15
CW	18	0.23	65
REA	1.68	0.20	1
FAT	-0.10	0.16	45
MARB	-0.09	0.18	10

R & R Beefmaker ANTR 7G
Sired by WR Journey - 1X74.

In the fall 2020 R & R Acres Beefmaker Bull Sale he ranked #1 for average daily gain and feed conversion, plus was #3 for marbling and #5 for ribeye. The WR Journey daughters are super calm, have high marbling and great udders.

2023 Data	Year Adj.	In-dex	Rank
Ribeye	1.76	-	1
Backfat	0.09	-	-
Marb.	1.33	-	23 tie
%LMY	69.6	-	1
Net Feed Eff (RFI)	-3.57	-	2 Tie
Feed Conv	4.14	-	1
ADG	4.87	-	22

18 BEEFMAKER

TNG BEEFMAKER 32K

21/05/2022 | TNG 32K | CLA-4120281 | Het. Polled (Igen) | Homo Black (Igen) | 89% Limousin | 11% Angus

BWT	Adj. Wwt	Adj. Ywt	Yrlg Frame Score	Tenderness DNA	Leptin
91 Unasst.	616 lbs. Index: 112	1,075lbs. Index: 111	3.7	3 Igenity	Heterozygous favourable

SIRE: R & R BEEFMAKER 116D

R & R BEEFMAKER 7Z
R & R MILKMAID 40W

DAM: R & R MILKMAID 40D

R & R BEEFMAKER 46Y
R & R MILKMAID 55Y

- Actual gestation: 282 days
- Tremendous on test and verified by growth EPD rankings
- EPD's rank him in th top 1-5% of the breed for 7 traits
- Dam is a moderate sized, fertile cow with 5 progeny that average a weaning weight ratio of 115 and yearling weight at 107, plus her calving interval is 363 days

EPDs	EPD	EPD Acc	Top% Rank
Gest	-2	0.21	85
CED	7	0.20	65
BW	2.9	0.35	65
WW	85	0.30	1
YW	128	0.32	1
CEM	6	0.16	25
Milk	29	0.17	10
TotMat	72	-	1
SC	1.30	0.14	1
DOC	16	0.29	10
Stay	15	0.10	15
CW	39	0.22	4
REA	1.33	0.20	10
FAT	-0.10	0.13	46
MARB	-0.27	.16	65

2023 Data	Year Adj.	Index	Rank
Ribeye	1.05	-	22
Backfat	0.28	-	-
Marb.	1.5	-	19
%LMY	60.8	-	22

Net Feed Eff (RFI)	-0.22	-	13
Feed Conv	5.4	-	17
ADG	4.99	-	18

R & R Beefmaker 116D
Sire of Lots 17 and 18.

Top seller and "Cattle College" Bull in the 2018 Beefmaker Bull Sale to Leonard Limousin and Angus in Iowa. He is now a multi-trait leader in NALF's Proven Sire List.

R & R Beefmaker 27H
Maternal brother to Lot 18.

From the 2021 R & R Beefmaker Bull Sale where he was one of the top sellers and ranked #5 for RFI and #7 for lean meat yield.

TNG BEEFMAKER 24K

19 BEEFMAKER

17/05/2022 | TNG 24K | CLA-4120276 | Het. Polled (Igen) | Het. Black (Igen) | 90% Limousin | 10% Angus

BWT	Adj. Wwt	Adj. Ywt	Yrlg Frame Score	Tenderness DNA	Leptin
-	432 lbs. Index: 79	936 lbs. Index: 96	3.7	6 Igenity	Heterozygous favourable

SIRE: R & R BEEFMAKER 116D

R & R BEEFMAKER 7Z
R & R MILKMAID 40W

DAM: R & R MILKMAID 28B

ROMN JUSTICE
R & R MILKMAID 21X

- Actual gestation: 278 days
- Dam is a moderate framed cow that is well proven for calving ease with a -5 gestation length as well as calving ease direct and birth weight EPD's ranking in the top 10-20% of the breed
- Dam's calving interval is a fertile 360 days on 7 calves with an average of 78 lbs

EPDs	EPD	EPD Acc	Top% Rank
Gest	-4	0.19	20
CED	6	0.20	80
BW	2.8	2.25	65
WW	70	0.30	15
YW	109	0.33	10
CEM	4	0.16	65
Milk	20	0.16	80
TotMat	54	-	45
SC	1.05	0.13	5
DOC	17	0.27	3
Stay	13	0.12	40
CW	24	0.20	40
REA	1.38	0.19	10
FAT	-0.11	0.15	20
MARB	-0.39	0.18	95

R and R Beefmaker SMTR 29H
Maternal brother to Lot 19.

From the 2021 R & R Acres Beefmaker Bull Sale where he ranked #5 for ribeye and percent lean meat yield.

2023 Data	Year Adj.	Index	Rank
Ribeye	1.43	-	2
Backfat	0.11	-	-
Marb.	1.27	-	28
%LMY	66.3	-	4

	Year Adj.	Index	Rank
Net Feed Eff (RFI)	2.67	-	28
Feed Conv	5.84	-	26
ADG	4.53	-	27

TNG BEEFMAKER 15K

13/05/2022 | TNG 15K | CLA-4120273 | Homo polled | Homo Black | 42% Limousin | 58% Angus

BWT	Adj. Wwt	Adj. Ywt	Yrlg Frame Score	Tenderness DNA	Leptin
88 Unasst.	561 lbs. Index: 102	1,159 lbs. Index: 119	4.5	7 Igenity	Heterozygous favourable

SIRE: SYDGEN ENHANCE

SYDGEN EXCEED 3223
SYDGEN RITA 2618

DAM: R & R MILKMAID 10E

R & R BEEFMAKER 57B
R & R MILKMAID 19Y

- Actual gestation: 274 days
- Dams EPD's rank her in the top 1-4% of the Limousin breed for weaning weight, yearling weight, carcass weight, scrotal and docility
- He's the only bull in the CLA database with his elite combination of low birth weight, high yearling weight and high marbling EPD's
- EPD's rank him in the top 1-3% for 7 valuable traits

EPDs	EPD	EPD Acc	Top% Rank
Gest	-3	0.16	55
CED	11	0.21	15
BW	0.3	0.34	15
WW	87	0.31	1
YW	153	0.32	1
CEM	8	0.20	10
Milk	22	0.22	60
TotMat	66	-	3
SC	1.50	0.11	1
DOC	17	0.28	3
Stay	13	0.15	40
CW	57	0.24	1
REA	0.82	0.22	95
FAT	-0.04	0.17	95
MARB	0.34	0.19	1

2023 Data	Year Adj.	Index	Rank
Ribeye	1.12	-	19
Backfat	0.2	-	-
Marb.	1.39	-	22
%LMY	63.9	-	14

Net Feed Eff (RFI)	2.09	-	25
Feed Conv	5.45	-	19 Tie
ADG	6.00	-	4

R & R Beefmaker 19H
Maternal brother to Lot 20.

He ranked #2 for percent lean meat yield, #8 for marbling, #9 for feed to gain ratio and #10 for gain in the 2021 R & R Acres Beefmaker Bull Sale.

Sydgen Enhance
Sire of Lot 20 and the only progeny in the CLA database.

One of the Angus breed's highly proven multi-trait superior bull across the board.

BBB
BIG BEAVER BREWING

UNIT 1013 - 200 SOUTHRIDGE DRIVE
OKOTOKS, AB

BIG BEAVER BREWING

HOURS:

MON: CLOSED

TUES-THURS: 2-9 PM

FRI: 2-10 PM

SAT: 11 AM - 10 PM

SUN: 11 AM - 6 PM

BIGBEAVERBREWING.CA

BORN IN THE PRAIRIES | BREWED IN THE CITY

21 BEEFMAKER

TNG BEEFMAKER 52K

27/05/2022 | TNG 52K | CLA-4120293 | Homo polled | Homo Black | 86% Limousin | 14% Angus

BWT	Adj. Wwt	Adj. Ywt	Yrlg Frame Score	Tenderness DNA	Leptin
112 Unasst.	618 lbs. Index: 112	1,125 lbs. Index 116	6.5	3 Igenity	Homozygous favourable

SIRE: R & R BEEFMAKER 58W

HUNT MR JOCK 44J
R & R MILKMAID 85P

DAM: R & R MILKMAID 109U

R & R BEEFMAKER 3P
R & R MILKMAID 6N

- Actual gestation: 288 days
- Dam is a CLA Elite Dam
- Dam's calves average indexes of 108 at weaning weight, 108 at yearling weight, 100 for ribeye and 109 for marbling. Several were high selling bulls in the past years including R & R Beefmaker 32A which we used by AI
- The RFI Feed Efficiency breeds true again

EPDs	EPD	EPD Acc	Top% Rank
Gest	-4	0.17	20
CED	5	0.18	85
BW	4.8	0.34	95
WW	80	0.30	3
YW	127	0.32	2
CEM	6	0.14	25
Milk	20	0.16	80
TotMat	60	-	15
SC	1.20	0.18	2
DOC	19	0.28	1
Stay	12	0.12	55
CW	32	0.21	15
REA	1.12	0.18	50
FAT	-0.10	0.12	45
MARB	0.02	0.14	3

2023 Data	Year Adj.	Index	Rank
Ribeye	1.19	-	13
Backfat	0.18	-	-
Marb.	1.73	-	16 tie
%LMY	64.7	-	9
Net Feed Eff (RFI)	-1.32	-	7
Feed Conv	5.55	-	22
ADG	4.82	-	24

R & R Milkmaid 109U

Dam of Lot 21.

R & R Beefmaker 13J
Maternal brother to Lot 21.

From the 2022 Beefmaker Bull Sale where he ranked #3 for RFI, #9 for feed conversion and #10 for average daily gain.

R & R FE Beefmaker 53R
Maternal brother to the dam of Lot 21.

Top RFI and top feed to gain conversion bull in the 2007 Beefmaker Bull Sale.

TNG BEEFMAKER 30K

22 BEEFMAKER

19/05/2022 | TNG 30K | CLA-4120279 | Homo polled | Homo Black | 30% Limousin | 60% Simmental | 10% Angus

BWT	Adj. Wwt	Adj. Ywt	Yrlg Frame Score	Tenderness DNA	Leptin
96 Unasst.	455 lbs. Index: 83	957 lbs. Index: 99	3.9	5 Igenity	Homozygous favourable

SIRE: CCR COWBOY CUT 5048Z

TRIPLE C SINGLETARY S3H
CCR MS 4045 TIME 7322T

DAM: R & R MILKMAID 84B

R & R BEEFMAKER 16X
R AND R MILKMAID SMTR 13Z

- Actual gestation: 280 days
- One of our consistently good cow families
- Nice combination of Simmental, Limousin and Angus traits

EPDs	EPD	EPD Acc	Top% Rank
Gest	-1	0.03	95
CED	10	0.17	25
BW	2.0	0.20	45
WW	77	0.19	4
YW	112	0.19	10
CEM	8	0.17	10
Milk	23	0.19	50
TotMat	62	-	10
SC	1.00	0.06	5
DOC	19	0.23	1
Stay	16	0.16	10
CW	20	0.22	55
REA	0.91	0.23	90
FAT	-0.08	0.20	90
MARB	0.17	0.21	1

2023 Data	Year Adj.	Index	Rank
Ribeye	1.21	-	11 tie
Backfat	0.22	-	-
Marb.	1.98	-	8
%LMY	62.6	-	19

Net Feed Eff (RFI)	-0.55	-	12
Feed Conv	5.27	-	15
ADG	4.50	-	28

R and R Milkmaid SMTR 84B
Dam of Lot 22.

One of our most consistently good cows - sired by the 2012 Beefmaker Sale "Cattle College" Bull

R and R Beefmaker SMTR 8G
Full brother to Lot 22.

From the fall 2020 Beefmaker Bull Sale where he ranked #6 for average daily gain, #4 for lean meat yield and #7 for ribeye area. High tenderness DNA score of 9.

23 BEEFMAKER

TNG BEEFMAKER 56K

02/06/2022 | TNG 56K | CLA-4120295 | Homo polled | Homo Black | 52% Limousin | 38% Simmental | 10% Angus

BWT	Adj. Wwt	Adj. Ywt	Yrlg Frame Score	Tenderness DNA	Leptin
93 Unasst.	568 lbs. Index: 105	1,017 lbs. Index 114	3.5	4 Igenity	Homozygous favourable

SIRE: R AND R BEEFMAKER SMTR 6G

HOOK'S BEACON 56B
R AND R MILKMAID SMTR 30E

DAM: R & R MILKMAID 24Z

R & R BEEFMAKER 3P
R & R MILKMAID 24W

- Actual gestation: N/A
- Fertile dam is still producing here at 11 years old
- Dam is a CLA Elite Dam
- Dam's progeny average indexes are 97 for birth weight, 101 for weaning weight, 103 for yearling weight and 105 for ribeye area
- Nice blend of the "right kind" of Simmental, Limousin and Angus in one package - his EPD's verify it with 9 traits in the top 1-10% of the breed

EPDs	EPD	EPD Acc	Top% Rank
Gest	-2	0.06	75
CED	11	0.15	15
BW	0.7	0.30	20
WW	77	0.25	4
YW	122	0.27	2
CEM	9	0.12	3
Milk	26	0.13	25
TotMat	65	-	4
SC	1.10	0.09	3
DOC	19	0.23	1
Stay	16	0.11	10
CW	38	0.18	4
REA	1.23	0.15	25
FAT	-0.08	0.10	90
MARB	0.08	0.13	2

2023 Data	Year Adj.	Index	Rank
Ribeye	1.22	-	10
Backfat	0.08	-	-
Marb.	0.57	-	29
%LMY	66.6	-	2

Net Feed Eff (RFI)	-0.95	-	11
Feed Conv	4.86	-	6
ADG	4.86	-	23

R and R Beefmaker SMTR 6G
Sire of Lot 23.

Ranked #2 for RFI and #4 for straight feed conversion in the fall 2020 Beefmaker Bull Sale plus was #6 for ribeye and #9 for lean meat yield.

24 BEEFMAKER

TNG BEEFMAKER 59K

06/06/2022 | TNG 59K | CLA-4120296 | Homo polled | Het. Black | 23% Limousin | 70% Simmental | 7% Angus

BWT	Adj. Wwt	Adj. Ywt	Yrlg Frame Score	Tenderness DNA	Leptin
108 Unasst.	575 lbs. Index: 106	1,026 lbs. Index 115	4.4	6 Igenity	Heterozygous favourable

SIRE: R AND R BEEFMAKER SMTR 19F — CCR COWBOY CUT 5048Z / R AND R MILKMAID SMTR 8B

DAM: R & R MILKMAID SMTR 11G — CDI HOMETOWN 246A / R & R MILKMAID 28B

- Actual gestation: N/A
- Dam's gestation length was a short 275 days with a 75 lb. birth weight. Her sire is a well proven high performance, high marbling 7/8 Simmental bull
- Dam's EPD's rank her in the top 3-10% of the breed for weaning and yearling weights, docility, carcass weight and marbling
- Dam's calving interval is 364 days with progeny indexing 107 at weaning, 114 at yearling, 109 for ribeye and a whopping 133 for marbling

EPDs	EPD	EPD Acc	Top% Rank
Gest	-2	0.05	90
CED	10	0.15	25
BW	1.5	0.16	35
WW	75	0.16	10
YW	106	0.16	15
CEM	4	0.12	65
Milk	24	0.11	40
TotMat	61	-	15
SC	0.93	0.05	10
DOC	20	0.24	1
Stay	17	0.12	5
CW	23	0.19	40
REA	1.01	0.17	75
FAT	-0.09	0.15	70
MARB	-0.10	0.17	1

2023 Data	Year Adj.	Index	Rank
Ribeye	1.39	-	3
Backfat	0.15	-	-
Marb.	1.33	-	23 tie
%LMY	66.2	-	5 tie

Net Feed Eff (RFI)	1.1	-	21
Feed Conv.	5.04	-	11
ADG	4.93	-	21

R and R Beefmaker SMTR 19F
Sire of Lot 24.

In his test group he ranked #1 for ribeye, #2 for lean meat yield, #3 for marbling, #6 for gain and #7 for feed to gain.

Pictured at 16 months of age.

25 BEEFMAKER

TNG BEEFMAKER 61K

09/06/2022 | TNG 61K | CLA-4120298 | Homo polled | Het. Black | 42% Limousin | 44% Simmental | 10% Angus

BWT	Adj. Wwt	Adj. Ywt	Yrlg Frame Score	Tenderness DNA	Leptin
96 Unasst.	554 lbs. Index: 103	1,052 lbs. Index 117	5.4	5 Igenity	Homozygous favourable

SIRE: R AND R BEEFMAKER SMTR 19F

CCR COWBOY CUT 5048Z
R AND R MILKMAID SMTR 8B

DAM: R & R MILKMAID 21G

R & R BEEFMAKER 20D
R & R MILKMAID 3C

- Actual gestation: N/A
- Granddam, R & R Milkmaid 3C, is a CLA Trait Leader for multiple traits
- Dam first calved at 23 months old with a steller heifer calf now in the herd. Dam's progeny average indexes are 108 for weaning weight, 114 for yearling weight, 105 for ribeye and a fantastic 122 for marbling
- Nice combination of Simmental, Limousin, and Angus genetics with plenty of growth, feed efficiency and carcass traits

EPDs	EPD	EPD Acc	Top% Rank
Gest	-2	0.07	85
CED	9	0.20	35
BW	2.1	0.32	50
WW	78	0.29	4
YW	117	0.31	4
CEM	6	0.14	25
Milk	28	0.13	15
TotMat	67	-	3
SC	1.10	0.07	3
DOC	22	0.26	1
Stay	18	0.11	2
CW	27	0.21	25
REA	1.04	0.18	70
FAT	-0.10	0.14	45
MARB	0.07	0.18	2

2023 Data	Year Adj.	Index	Rank
Ribeye	1.25	-	9
Backfat	0.11	-	-
Marb.	1.45	-	20
%LMY	66.5	-	3

Net Feed Eff (RFI)	1.08	-	20
Feed Conv	4.98	-	9
ADG	5.21	-	14 Tie

R and R Beefmaker SMTR 18J
Full brother to R and R Beefmaker SMTR 19F.

In his 2022 sale test group he ranked #6 for both RFI and feed to gain.

Elite Limousin Dam Program

26 BEEFMAKER

TNG BEEFMAKER 66K

11/06/2022 | TNG 66K | CLA-4120303 | Het. Polled (Igen)| Homo Black (Igen) | 80% Limousin | 20% Angus

BWT	Adj. Wwt	Adj. Ywt	Yrlg Frame Score	Tenderness DNA	Leptin
80 Unasst.	534 lbs. Index: 99	1,052 lbs. Index: 117	5.5	1 Igenity	-

SIRE: R & R BEEFMAKER 20G

R & R BEEFMAKER 116D
R & R MILKMAID 4B

DAM: GLDN MS LODESTAR 102X

JCL LOADSTAR 27L
MAGS 13M

- Actual gestation: N/A
- Dam is a CLA Elite Dam
- Dam is still raising a calf here in 2023 at 13 years of age
- Dam's EPD's rank her in the top 1-10% of the Limousin breed for yearling weight, calving ease direct, weaning weight, total maternal, calving ease maternal, scrotal, carcass weight and marbling
- Sire was the November 2020 Beefmaker "Cattle College" Bull
- Great combination of calving ease, high growth and feed efficiency

EPDs	EPD	EPD Acc	Top% Rank
Gest	-4	0.15	20
CED	13	0.19	5
BW	-0.2	0.31	10
WW	72	0.28	10
YW	123	0.30	2
CEM	8	0.14	10
Milk	25	0.15	30
TotMat	62	-	10
SC	1.15	0.15	3
DOC	15	0.26	10
Stay	15	0.11	15
CW	36	0.19	10
REA	1.09	0.16	60
FAT	-0.07	0.10	95
MARB	-0.09	0.14	10

2023 Data	Year Adj.	Index	Rank
Ribeye	1.21	-	11 tie
Backfat	0.21	-	-
Marb.	1.33	-	23 tie
%LMY	63.8	-	15

Net Feed Eff (RFI)	-1.3	-	8
Feed Conv	5.05	-	12
ADG	4.79	-	25

*R & R Beefmaker 4A
Maternal brother to Lot 26.*

Second top seller in the 2020 sale to Hewson Limousin. He rankd #1 for straight feed conversion at 4.51, RFI of -1.41, #4 for marbling and #5 for gain

*R & R Beefmaker 18C
2007 "Cattle College" Bull.*

Sold to Ridge Ranch, AB. Maternal brother to Lot 26. average daily gain of 4.81 lbs. per day at a 4.27 : 1 feed conversion.

*R & R Beefmaker 32J
Maternal brother to Lot 26.*

From the 2022 sale where he ranked #1 for ribeye, #7 for feed conversion and #5 for RFI. Sold to Ridge Ranch.

27 BEEFMAKER

TNG BEEFMAKER 68K

12/06/2022 | TNG 68K | CLA-4120302 | Het. Polled (Igen) | Homo Black (Igen) | 91% Limousin | 9% Angus

BWT	Adj. Wwt	Adj. Ywt	Yrlg Frame Score	Tenderness DNA	Leptin
98 Unasst.	546 lbs. Index: 101	1,026 lbs. Index: 115	4.5	3 Igenity	Heterozygous favourable

SIRE: R & R BEEFMAKER 20G

R & R BEEFMAKER 116D
R & R MILKMAID 4B

DAM: R & R MILKMAID 49Y

KAJO RESPONDER 120R
R & R MILKMAID 30S

- Actual gestation: N/A
- Dam is a CLA Elite Dam, her dam was also a CLA Elite Dam.
- R & R Milkmaid 49Y is still raising a calf here at 12 years old
- Dam's calving interval is 365 days and hasn't missed yet

EPDs	EPD	EPD Acc	Top% Rank
Gest	-3	0.13	30
CED	8	0.16	50
BW	2.0	0.31	45
WW	72	0.27	10
YW	110	0.30	10
CEM	5	0.12	45
Milk	28	0.15	15
TotMat	64	-	10
SC	1.05	0.10	5
DOC	15	0.24	10
Stay	13	0.10	40
CW	28	0.20	25
REA	1.25	0.15	25
FAT	-0.08	0.09	90
MARB	-0.13	0.12	15

2023 Data	Year Adj.	In-dex	Rank
Ribeye	1.31	-	6
Backfat	0.2	-	-
Marb.	1.33	-	23 tie
%LMY	64.6	-	10

Net Feed Eff (RFI)	2.23	-	26
Feed Conv	5.68	-	24
ADG	4.74	-	26

R & R Milkmaid 49Y
Dam of Lot 27.

Maintains a 365 day calving interval at 12 years of age.
She had a tremendous yearling ultrasound scan of 4.68
for marbling to index 143.

Pictured at 2 years old.

TNG BEEFMAKER 74K

28 BEEFMAKER

17/06/2022 | TNG 74K | CLA-4120304 | Homo Polled (Igen) | Het. Black (Igen) | 90% Limousin | 10% Angus

BWT	Adj. Wwt	Adj. Ywt	Yrlg Frame Score	Tenderness DNA	Leptin
87 Unasst.	551 lbs. Index: 102	958 lbs. Index: 107	4.8	3 Igenity	Heterozygous favourable

SIRE: R & R BEEFMAKER 20G

R & R BEEFMAKER 116D
R & R MILKMAID 4B

DAM: R & R MILKMAID 14E

AUTO DOLLAR GENERAL 122R
R & R MILKMAID 73Z

- Actual gestation: N/A
- Dam will be a CLA Elite Dam this year and maintains a 364 day calving interval. Her calves have an average index of 106 for weaning weight, 107 for yearling weight, 103 for ribeye and 102 for marbling
- A good multi-trait bull verified by his data indexing in the top end across the board

EPDs	EPD	EPD Acc	Top% Rank
Gest	-3	0.14	25
CED	10	0.14	25
BW	0.8	0.30	25
WW	75	0.25	10
YW	113	0.28	10
CEM	8	0.12	10
Milk	26	0.12	25
TotMat	63	-	10
SC	0.93	0.10	10
DOC	17	0.23	3
Stay	16	0.09	10
CW	28	0.18	25
REA	1.20	0.14	30
FAT	-0.09	0.08	70
MARB	-0.20	0.12	35

2022 Data	Year Adj.	In-dex	Rank
Ribeye	1.34	-	5
Backfat	0.11	-	-
Marb.	1.3	-	27
%LMY	66.2	-	5 tie

Net Feed Eff (RFI)	1.63	-	23
Feed Conv.	6.63	-	29
ADG	3.53	-	29

R & R Beefmaker 20G

November 2020 R & R Beefmaker Bull Sale "Cattle College" Bull. He ranked #1 for RFI and ribeye, #2 for feed to gain, #5 for percent lean meat yield and #7 for gain. He sold to North Slope Farms, AB.

TNG BEEFMAKER 47K

23/05/2022 | TNG 47K| CLA-4120289 | Homo polled | Red | 69% Limousin | 25% Red Angus | 6% Black Angus

BWT	Adj. Wwt	Adj. Ywt	Yrlg Frame Score	Tenderness DNA	Leptin
82 Unasst.	569 lbs. Index: 104	1,082 lbs. Index: 112	3.5	7 Igenity	Homozygous favourable

SIRE: R & R BEEFMAKER 7Z

WULFS XTRACTOR X233X
R & R MILKMAID 143R

DAM: R & R MILKMAID 13F

BROWN JYJ REDEMPTION Y1334
R & R MILKMAID 4B

- Actual gestation: 284 days
- Dam is a perfect uddered, long bodied daughter of one of the most well proven Red Angus bulls in North America and out of R & R Milkmaid 4B who is the dam of the fall 2020 "Cattle College" Bull - R & R Beefmaker 20G
- Dam's progeny average 75 lbs. birthweight, 98 index for weaning weight and a 105 index for yearling weight all while maintaining a 360 day calving interval
- Ratios 127 for marbling scan

EPDs	EPD	EPD Acc	Top% Rank
Gest	-4	0.17	15
CED	12	0.18	10
BW	-1.4	0.31	3
WW	74	0.27	10
YW	121	0.29	3
CEM	7	0.14	15
Milk	24	0.14	40
TotMat	61	-	15
SC	-	-	-
DOC	17	0.25	3
Stay	16	0.15	10
CW	39	0.19	4
REA	0.92	0.17	90
FAT	-0.07	0.12	95
MARB	-0.03	0.13	5

2023 Data	Year Adj.	In-dex	Rank
Ribeye	1.09	-	20
Backfat	0.23	-	-
Marb.	1.91	-	12 tie
%LMY	62.4	-	20

Net Feed Eff (RFI)	2.43	-	27
Feed Conv	5.5	-	21
ADG	5.38	-	9

R & R Beefmaker 7Z
Sire of Lot 29.

One of the top sellers in the 2014 Beefmaker Bull Sale to Hewson Limousin and sire of R & R Beefmaker 116D - a multi-trait leader on the NALF Proven Sire List.

R & R Milkmaid 13F

Dam of Lot 29.

29 BEEFMAKER

International Limousin Genetic Evaluation & International Simmental Evaluation
International Genetic Solutions (IGS) - BOLT

EPDs as of October 12, 2023

Stayability

Lot #	EPD	% Ranking
14	19	10
13	18	2
25	18	2
16	17.2	25
24	17	5
12	16.8	30
15	16.7	35
22	16	10
29	16	10
23	16	10
28	16	10
18	15	15

Milk

Lot #	EPD	% Ranking
15	30.6	35
12	30.5	35
14	29.4	40
16	29.2	40
18	29	10
25	28	15
27	28	15
13	27	20
23	27	25
28	26	25
26	25	30
10	24.3	75

Scrotal

Lot #	EPD	% Ranking
20	1.5	1
17	1.32	1
18	1.3	1
13	1.2	2
21	1.2	2
26	1.15	3
23	1.1	3
25	1.1	3
19	1.05	5
27	1.05	5
22	1	5
3	0.99	45
2	0.97	45
24	0.93	10
28	0.93	10

Calving Ease Maternal

Lot #	EPD	% Ranking
16	9.9	2
12	9.3	3
8	9.2	3
13	9	3
23	9	3
9	8.8	4
20	8	10
22	8	10
26	8	10
28	8	10
11	7.8	10
15	7.2	15
29	7	15
10	6.9	15

Birthweight

Lot #	EPD	% Ranking
29	-1.4	3
8	-1.2	2
9	-0.6	3
11	-0.2	4
16	-0.2	4
26	-0.2	10
20	0.3	15
14	0.6	10
10	0.7	10
23	0.7	20
28	0.8	25
13	1.2	30
15	1.3	15
12	1.5	15
24	1.5	35

Ribeye Area

Lot #	EPD	% Ranking
17	1.68	1
9	1.43	1
16	1.41	1
19	1.38	10
11	1.36	1
10	1.36	1
18	1.33	10
8	1.32	1
27	1.25	25
13	1.23	25
23	1.23	25
28	1.2	30
21	1.12	50
15	1.09	5
12	1.09	5

Gestation Length EPD (Limousin Only)

Lot #	EPD	% Ranking
19	-4	20
29	-4	15
21	-4	20
26	-4	20
20	-3	55
17	-3	35
27	-3	30
28	-3	25
18	-2	85
23	-2	75
24	-2	90
25	-2	85
22	-1	95
13	-1	95

Yearling Weight

Lot #	EPD	% Ranking
20	153	1
9	152.1	1
15	146	2
10	143.4	3
11	140	5
12	137.7	10
8	135.1	10
17	130	1
18	128	1
21	127	2
16	125.4	25
26	123	2
23	122	2
29	121	3
13	120	3
14	117.1	40
25	117	4
28	113	10

Calving Ease Direct

Lot #	EPD	% Ranking
8	14.3	4
9	14.3	4
16	14.1	4
11	13.1	10
12	13	10
26	13	5
14	12.4	10
10	12.2	10
13	12	10
29	12	10
15	11.3	15
20	11	15
23	11	15
22	10	25
24	10	25
28	10	25
25	9	35

Docility

Lot #	EPD	% Ranking
25	22	1
14	21	1
24	20	1
15	19.6	1
22	19	1
21	19	1
23	19	1
10	17.6	1
8	17.5	1
20	17	3
19	17	3
13	17	3
29	17	3
28	17	3
12	16.8	2
9	16.7	2
11	16.5	2
18	16	10

Carcass Weight

Lot #	EPD	% Ranking
20	57	1
9	50.9	1
10	44	3
15	43.7	3
8	41.6	5
11	41.5	5
16	40.6	10
18	39	4
29	39	4
23	38	4
12	37.1	15
27	36	10
21	32	15
14	28.8	40
13	28	25
27	28	25
28	28	25
25	27	25
19	24	40

Weaning Weight

Lot #	EPD	% Ranking
9	96.9	2
15	94.4	4
10	91.3	10
12	91.1	10
11	91.1	10
8	88.1	15
20	87	1
17	87	1
18	85	1
16	81.2	30
14	80.2	35
21	80	3
13	79	3
25	78	4
22	77	4
23	77	4
24	75	10
28	75	10
29	74	10
26	72	10
27	72	10

Total Maternal

Lot #	EPD	% Ranking
15	77.8	10
12	76.1	15
18	72	1
13	71.3	30
9	71.2	30
10	70	35
16	69.8	35
14	69.5	40
11	68.7	45
25	67	3
27	64	10
17	63	10
28	63	10
22	62	10
26	62	10
29	61	15
24	61	15

Marbling

Lot #	EPD	% Ranking
15	0.37	1
16	0.37	1
20	0.34	1
14	0.33	1
10	0.29	1
11	0.28	1
12	0.26	2
9	0.23	2
8	0.22	2
13	0.22	2
22	0.17	2
24	0.1	1
23	0.08	2
25	0.07	2
21	0.02	3
29	-0.03	5
17	-0.09	10
26	-0.09	10
27	-0.13	15

TI — Terminal Index (Simmental Only)

Lot #	EPD	% Ranking
9	96.22	1
8	90.92	1
15	90.64	1
11	88.62	1
10	87.84	1
14	86.11	1
16	85.1	2
12	85.95	1
13	82.66	3

API — All Purpose Index

Lot #	EPD	% Ranking
14	151.96	1
16	145.14	4
15	142.73	1
9	139.15	2
12	137.07	2
8	134.6	3
13	131.79	5
11	126.07	10
10	119.41	25

The Targeting the Brand™ logo is designed to highlight registered Angus bulls with greater genetic potential to produce calves meeting the most challenging specifications of the Certified Angus Beef ® brand. Bulls must meet genetic requirements of +0.65 Marbling EPD and +55 $ Grid of non-parent Angus sires to qualify for use of the Targeting the Brand™ logo.

Minimum Genetic Requirements	
Marbling EPD (Marb)	+0.65
Dollar Grid Carcass Index ($G)	+55.0

See lots 1-7 for the full EPDs, accuracies and percentile rankings within the breed. Full Angus GS genomic profiles are also there.

Angus bulls' EPDs are not comparable to Simmental and Limousin breed animals, so lots 1-7 are not included in the rankings on this page.

TOP RANKING BULLS IN ECONOMICALLY IMPORTANT TRAITS

2023 Sale Bulls

The summer 2022 born calves received no creep feed while on their mothers. They were coasted through their first winter and went on feed efficiency and performance test in May for a 90 day period where they received a low starter silage ration through yearling age. They returned to Tangle Ridge Ranch where they ran on grass and later in the Fall received free choice round bales of hay and a pelleted "no starch" ration developed by Country Junction Feeds in Wetaskiwin, AB. Proven to be best for their gut, feet and longevity.

Performance Test Rankings

Top Net Feed Efficiency (RFI) Bulls

Lot #	RFI	Rank
9	-3.66	1
17	-3.57	2 Tie
13	-3.57	2 Tie
8	-2.47	4
11	-1.76	5
14	-1.74	6
21	-1.32	7
26	-1.3	8
12	-1.19	9
1	-1.06	10
23	-0.95	11
22	-0.55	12
18	-0.22	13
10	0.00	14
7	0.55	15
16	0.62	16

Top Straight Feed Conversion Bulls (lbs. feed : 1 lb. gain)

Lot #	Feed : Gain	Rank
17	4.14	1
1	4.15	2
13	4.27	3
2	4.51	4
11	4.79	5
23	4.86	6
8	4.88	7 Tie
10	4.88	7 Tie
25	4.98	9
9	5.01	10
24	5.04	11
26	5.05	12
4	5.1	13
16	5.16	14
22	5.27	15
14	5.35	16

Top Average Daily Gain Bulls (lbs. per day)

Lot #	ADG	Rank
3	6.64	1
2	6.51	2
1	6.37	3
20	6.00	4
7	5.93	5
5	5.91	6 Tie
11	5.91	6 Tie
12	5.64	8
29	5.38	9
6	5.35	10
8	5.33	11
13	5.28	12
10	5.26	13
4	5.21	14 Tie
25	5.21	14 Tie
9	5.18	16

Calving Ease Indicators

Lowest Actual Birthweights

Lot #	BWT (lbs.)	Rank
15	75	1
14	76	2
8	78	3
7	79	4
16	80	5 Tie
26	80	5 Tie
1	81	7
29	82	8
4	84	9
11	86	10
6	87	11 Tie
9	87	11 Tie
28	87	11 Tie
20	88	14 Tie
13	88	14 Tie

Shortest Actual Gestation Length

Lot #	AGL (days)	Rank
4	273	1 Tie
7	273	1 Tie
15	274	3 Tie
20	274	3 Tie
14	277	5
3	278	6 Tie
19	278	6 Tie
12	279	8 Tie
8	279	8 Tie
9	279	8 Tie
6	280	11 Tie
22	280	11 Tie
18	282	13 Tie
17	282	13 Tie
13	282	13 Tie

Lowest Birthweight EPD's

Lot #	EPD	% Ranking
29	-1.4	3
8	-1.2	2
9	-0.6	3
11	-0.2	4
16	-0.2	4
26	-0.2	10
20	0.3	15
14	0.6	10
10	0.7	10
23	0.7	20
28	0.8	25
5	1.1	50
13	1.2	30
15	1.3	15
12	1.5	15

Best Calving Ease EPD's

Lot #	EPD	% Ranking
8	14.3	4
9	14.3	4
16	14.1	4
11	13.1	10
12	13	10
26	13	5
14	12.4	10
10	12.2	10
4	12	10
13	12	10
29	12	10
15	11.3	15
20	11	15
23	11	15
6	10	20
22	10	25
5	10	20

Gestation Length

Lot #	GEST EPD	% Ranking
19	-4	20
29	-4	15
21	-4	20
26	-4	20
20	-3	55
17	-3	35

Angus and Simmental influenced bulls do not have Gestation Length EPDs.

Ultrasound Carcass Rankings

Top Ribeye Bulls

Lot #	sq. in/100 lbs live wt.	Rank
17	1.76	1
19	1.43	2
24	1.39	3
13	1.36	4
28	1.34	5
27	1.31	6
11	1.26	7 tie
16	1.26	7 tie
25	1.25	9
23	1.22	10
22	1.21	11 tie
26	1.21	11 tie
21	1.19	13
15	1.18	14
9	1.15	15

Intramuscular Fat (Marbling)

Lot #	% IMF	Rank
6	4.13	1
5	3.01	2
1	2.84	3
2	2.67	4
14	2.22	5
7	2.16	6
3	2.01	7
22	1.98	8
8	1.95	9
12	1.92	10 tie
11	1.92	10 tie
29	1.91	12 tie
16	1.91	12 tie

% Lean Meat Yield

Lot #	% LMY	Rank
17	69.6	1
23	66.6	2
25	66.5	3
19	66.3	4
24	66.2	5 tie
28	66.2	5 tie
13	65.9	7
9	65	8
21	64.7	9
27	64.6	10
10	64.2	11
14	64	12 tie
11	64	12 tie

CUP Intramuscular Fat (IMF) Scores

IMF Score	Amt. of Marbling	Canada Grade	USDA Grade
Less than 2.3	Traces	A	Standard
2.3-3.99	Slight	AA	Select
4.00-5.70	Small	AAA	Choice

Bulls will register at least a full degree less of marbling than steers of the same age, genetics and feeding history. Remember, these TRR bulls and heifers have been coasted through their first winter and have not seen heavy feed to increase their marbling depositions. Official CUP Lab - Ames, Iowa.

Best Compilation of Statistical Data

R&R Beefmaker 18C   **'17 Cattle College Bull**
R&R Beefmaker 11Z x GLDN Ms Lodestar 102X
ADG: 4.81 lbs. Rank 6   REA:1.36 sq. in./100 lbs.live wt.
Marbling: 1.96   RFI: -1.17   Feed Conversion: 4.27
Bwt: NA unasst.   Gest.: 281 days Wwt.: 556   Ywt.: 1,296
Purchased by Ridge Ranch, AB.

R&R Beefmaker SMTR 35F   **'20 Cattle College Bull**
R&R Beefmaker 18C x R and R Milkmaid SMTR 7D
ADG: 5.45 lbs. Rank 1 REA:1.11 sq. in./100 lbs.live wt.
Marbling: 1.54   RFI: -2.67   Feed Conversion: 4.63
Bwt: 94 unasst.   Wwt.: 700   Ywt.: 1,212

R&R Beefmaker 116D   **'18 Cattle College Bull**
R&R Beefmaker 7Z x R&R Milkmaid 40W
ADG: 5.39 lbs. Rank 3   REA:1.37 sq. in./100 lbs.live wt.
Marbling: 1.88   RFI: .15   Feed Conversion: 5.26
Bwt: 92 unasst.   Wwt.: 708   Ywt.: 1,463
Purchased by Leonard Limousin & Angus of Iowa.

R&R Beefmaker 17H   **'21 Cattle College Bull**
R&R Beefmaker 3P x R&R Milkmaid 14F
ADG: 4.4 lbs. Rank 4   REA: 1.47 sq. in./100 lbs. live wt.
Marbling: 2.18   Gest. length: 283 days
Bwt: 78 unasst.   Wwt: 646   Ywt: 1,143
Purchased by 4K Limousin of Texas

R&R Beefmaker 5E   **'19 Cattle College Bull**
R&R Beefmaker 57B x R&R Milkmaid 24Z
ADG: 5.13 lbs. Rank 5 REA:1.23 sq. in./100 lbs.live wt.
Marbling: 3.15   RFI: .07   Feed Conversion: 5.76
Bwt: 78 unasst.   Wwt.: 640   Ywt.: 1,242
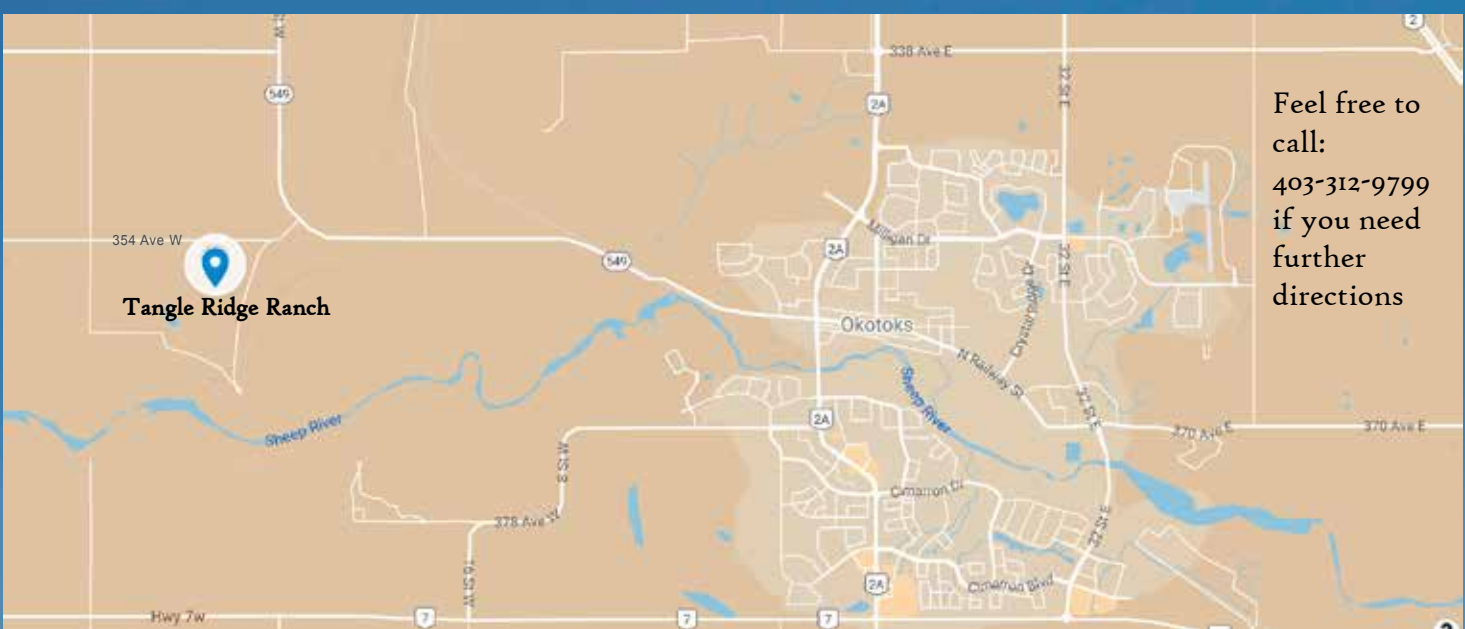**Purchased by Marsh Ranches of Alberta**

R and R Beefmaker SMTR 23J   **'22 Cattle College Bull**
WS All Aboard B80 x R and R Milkmaid SMTR 7E
ADG: 6.04 lbs. Rank 3 Tie
REA: 1.24 sq. in./100 lbs.live wt.
Marbling: 2.41   Gest. Length: 277 days RFI: -3.68
Feed Conversion: 4.31
Bwt: 71 unasst.   Wwt: 558   Ywt: 1,246

VERIFIED

THE TANGLE RIDGE RANCH "BEEFMAKER" BULLS AND "MILKMAID" FEMALES HAVE MORE DATA AVAILABLE THAN ANY OTHER GENETIC SOURCE IN CANADA.

USE IT WITH CONFIDENCE.

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CUP Lab
CENTRALIZED ULTRASOUND PROCESSING

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