

January 4, 2019

Dear Buyers:

On behalf of the CSU Seedstock Merchandising Team, I am excited to invite you to attend our 42<sup>nd</sup> Annual Sale on **Saturday February 16, 2019** (*note the earlier date this year*) at the CSU Agricultural Research, Development, and Education Center (ARDEC) at 4482 East County Rd 56. We will offer the best of our 2017-born bulls, and a set of 13 bred heifers. Bulls have been tested for gain, feed efficiency, pulmonary arterial pressure (PAP), BVD-PI, fertility, trichomoniasis, ultrasound carcass traits, and genomics. A picture and video of every bull and heifer is available at [www.csubulls.com](http://www.csubulls.com).

Sale day schedule:

- **Live Auction at 11:00 am.** Join us at 9:00 am for coffee and donuts and to view our bulls and heifers. At 11:00 am (sharp) we will offer cattle for sale individually in lot order via live auction, conducted by auctioneer Wayne Kruse of Centennial Livestock Auction.
- **Lunch at 12:30 pm (after the sale)** – catered by the CSU Meat Judging Team!

Also, please take note of some big changes to this year's sale:

- **Older Bulls** – we are now selling age-advantaged bulls (21-23 mo old). These bulls were born during our new later calving season (April-June 2017). Selling older bulls allows us to develop them at a slower rate and pasture them at high elevation during the summer.
- **PAP Tested at Elevation** – the bulls spent last summer grazing in Hesperus, Colo. at 7,500 feet elevation where they were PAP tested, allowing for a very accurate test. Over 85% of the bulls had a PAP score under 45 mm Hg. A PAP score for every bull and heifer selling is included in this catalog.
- **Live Auction** – all cattle will be offered for sale via competitive bid by a licensed auctioneer.
- **Absentee Bidding** – buyers unable to attend the sale will be able to bid via **Superior Livestock Auction's** on-line or call-in services. Please see the catalog inside front cover for details.
- **Pregnant Heifers** – we are offering a great set of maternally-oriented, bred, black-hided, non-registered heifers that will calve April-May 2019 (see sires used and due dates on page 11). More than half are bred to AI sires. A picture and video of each heifer is at [www.csubulls.com](http://www.csubulls.com)
- **Trich Tested** – all bulls have been tested free for trichomoniasis (a required test of older bulls). With the exception of 3 top bulls used on our purebred females last summer, all bulls are virgins.

**Thank You.** I want to personally thank you for your continued support of the CSU Seedstock Program through your past purchases. As a result, CSU has been able to provide high quality seedstock to cow/calf producers while allowing our students to participate directly in the marketing of seedstock cattle via a unique hands-on and real-world learning experience. I look forward to seeing you at the sale. Please contact either myself (970-491-3312 or [jason.ahola@colostate.edu](mailto:jason.ahola@colostate.edu)) or Dave Schafer (970-491-2815 or [david.schafer@colostate.edu](mailto:david.schafer@colostate.edu)), ARDEC Livestock Manager, with questions.

Thanks,



Jason K. Ahola, Ph.D.  
Professor, Beef Production Systems  
Advisor, CSU Seedstock Merchandising Team

over →

## An explanation of performance data published in this catalog:

**3 CSU CAPITALIST 105 ET**  
 Reg#: 18934378 DOB: 3/28/2017 Angus Polled BLK

S A V Final Answer 0035  
**CONNEALY CAPITALIST 028**  
 Prides Pita of Conanga 8821

Mytty In Focus  
**CSU MISS Z108**  
 CSU X127

Phenotype	
BW	79
AWW	426
AYW	1,104
YHT	48.0
YSC	36.8
US-REA	12.9
US-IMF	4.0
PAP	47

CED	BW	WW	YW	Milk	Marb	REA	F:G	RFI
14	-1.4	50	98	17	0.48	0.47	5.5	0.5

This ET bull has tremendous calving ease (+14 CED EPD) with thickness and eye appeal. He also went to Denver in January to be in our Angus pen and is halter broke.

1. Lot number
2. Animal name and herd eartag number
3. Breed association registration number
4. DOB = date of birth
5. Breed
6. Polled, horned, or scurred status
7. Color (BLK = black, RWF = red white faced)
8. BW = actual birth weight (lbs, not adjusted)
9. AWW = adjusted 205-day weaning weight (lbs)
10. AYW = adjusted 365-day yearling weight (lbs)
11. YHT = adjusted yearling hip height (inches)
12. YSC = adj. yearling scrotal circumference (cm), current SCR measurements will be available on sale day
13. US-REA = adjusted ultrasound ribeye area (in<sup>2</sup>)
14. US-IMF = adjusted ultrasound intra-muscular fat (marbling, reported as a percentage)
15. PAP = pulmonary arterial pressure score (mm Hg) taken at 7,500 feet elevation
16. CED EPD = calving ease direct EPD (from respective breed associations)
17. BW EPD = birth weight (from the associations)
18. WW EPD = weaning wt (from the associations)
19. YW EPD = yearling wt (from the associations)
20. Milk EPD = milk (from the associations)
21. Marb EPD = marbling (from the associations)
22. REA EPD = ribeye area (from the associations)
23. F:G = animal's feed to gain ratio (pounds of feed consumed per pound of gain, on a dry matter basis) determined during a 56-day test
24. RFI = residual feed intake – the difference between pounds of feed (on a dry matter basis) that a bull was predicted to consume daily vs. what he actually consumed each day during a 56-day test. A negative RFI value is preferred if you are selecting for improved feed efficiency.
25. Notes on each animal from the Seedstock Team, including results of any tests for genetic defects (DD = developmental duplication).
26. "RFI Tested" logo = this indicates that the bull was evaluated for feed intake and gain during a 56-day test in CSU's Feed Intake Unit.

Additional information is available on-line including a picture and video of every bull and heifer in the catalog ([www.esubulls.com](http://www.esubulls.com)).