

## **Strang Herefords & Black Angus 2018 Sale Cattle Supplemental Data**

**Welcome to our 39<sup>th</sup> Annual Sale of high altitude, PAP tested Hereford and Black Angus cattle. This is our 56th year in the registered Hereford business and our 27<sup>th</sup> year with Angus cattle. This year's sale offering is a strong and uniform one for both breeds.**

### **Pulmonary Arterial Pressure (PAP):**

**Our goal is to develop functional Hereford and Black Angus cattle for all elevations. Pulmonary Arterial Pressure has to be a priority as so many of our customers graze in very high altitudes. Dr. Tim Holt, DVM, Colorado State University, Fort Collins, CO, has done our PAP testing for twenty-five years. He is an authority on Pulmonary Arterial Pressure and concurs that an animal's PAP is significantly affected by his/her genetics, environment and nutrition. He says it's important to understand there are many other reasons cattle contract brisket disease. It is not always the result of PAP.**

**Dr. Holt believes our Herefords and Angus herds have stable scores and points out that PAP scores are higher some years than others due to weather and feed conditions. He definitely considers our ranch high enough in elevation to result in a meaningful PAP which gives buyers a score they can trust.**

**PAP is the only tool the industry has in trying to avoid brisket disease at high altitudes. For this reason, genetically impacted high PAP blood lines are eliminated from our programs no matter how good they may be in terms of phenotype.**

**We respect that high altitude producers have their own comfort level relative to acceptable PAP scores for their environment and their respective herds. Dr. Holt feels the material difference of one point in a PAP score is insignificant and urges breeders to consider all factors in selecting an animal. In his opinion, any long yearling PAP tested at our elevation (6,500') or higher which scores a 42 or lower is a low risk individual at any elevation; a score of 43-44 or higher is considered a low risk below 7,000 feet and a moderate risk at any altitude above that. This is particularly true for Angus cattle who are more susceptible to brisket than Hereford cattle.**

### **Breeding Soundness:**

**Fertility is the foundation of all breeding programs. Scrotal measurements were taken by Dr. Paul Neilson, DVM, Meeker, Colorado, in mid September. The actual measurements are provided and have not been adjusted for age and breed differences. The coming 2 year old bulls of both breeds have passed a complete breeding soundness exam based on: scrotal circumference, morphology (evaluation of the amount of sperm abnormalities) and sperm motility and are guaranteed breeders.**

**We stand behind the cattle and will cooperate on all deliveries. (Specifics on warranty and delivery can be found on page 20 of the catalog.) If it fits your needs, we can make arrangements to winter your purchases at cost. Thank you for joining us on our 39th Sale Day and we hope you'll share your assessment of our program.**

**The Strang Family**

**Please Note: White ear tags are Lot Numbers; Yellow or Orange ear tags are Animal ID numbers**

## **2018 Strang Hereford Sale Bulls**

**Sire Codes** (found in sale bull pedigrees & service sires of Hereford Private Treaty Bred Heifers):

**126M** - GH Tamo Red 126M  
**217Z** - SH 157K Ribstone 217Z ET  
**501R** - CL 1 Domino 501R  
**741T**: Churchill Rancher 741T ET  
**881** - SH Diamond 881

**157K** - K 64K Ribstone Lad 157K  
**22R** - R350 North Star 22R  
**62L** - Pahl 36H Limited Edition 62L  
**751** - SH Diamond 751  
**9105W** - CL 1 Domino 9105W  
**2Y** - YV 34W Mark Lad 2Y

**164D**-JNHR 414 Diamnd 164D  
**3027** - UPS Domino 3027  
**715** - F 157K Ribstone 715  
**816U**-SH 501R Domino 816U  
**9126J**-CL 1 Domino 9126J 1ET  
**607D** - SH 3027 Domino 607D

**C215Z** - CL 1 Domino 215Z  
**33U** - FE 152S Frontline 33U  
**739T** - CL 1 Domino 739T  
**C860** - CL 1 Domino 860U  
**Yank** - Churchill Yankee ET

\*\*\*Please note that two bull pictures are labeled incorrectly on page 7 of the catalog for Lot 2 & Lot 3.

The pictures, however, are the correct ones. They're just labeled incorrectly. Lot 13's picture is not labeled at all but is a picture of Lot 13.

Animal's Identification							Sale Bull Data						EPDs								
Lot #	Bull ID #	Birth Date	Sire	Dam		Eye Code	Birth Wt.	Adj. WWt	Wt. 10-20	Scrotal Meas	PAP Score	BW	WW	YW	Milk	M&G	SC	Fat	REA	Marbling	
				Age	ID																Sire
1	758E	3-24-17	217Z	5	212Z	739T	3-3	87	610		42 cm.	36	+3.4	+43	+74	+22	+44	+1.1	+0.025	+0.37	+0.09
2	701E	3-04-17	C215Z	2	521C	9105W	4-1	90	700		38 cm.	41	+3.6	+68	+105	+31	+63	+1.2	+0.045	+0.56	+0.14
3	755E	3-23-17	B07	5	234Z ET	3027	2-2	85	619		35.5 cm.	36	+2.7	+47	+85	+19	+43	+0.9	+0.025	+0.41	+0.05
4	748E	3-21-17	B07	3	471B	739T	4-4	80	590		39.5 cm.	38	+3.3	+46	+72	+19	+42	+0.8	+0.005	+0.25	+0.06
5	768E	3-30-16	217Z	11	636S	751	1-2	84	653		36.5 cm.	36	+3.8	+45	+85	+21	+44	+1.1	+0.015	+0.34	+0.14
6	786E	4-17-17	217Z	6	140Y	739T	1-1	84	605		41 cm.	36	+3.6	+46	+79	+23	+46	+1.2	+0.025	+0.41	+0.12
7	745E	3-21-17	3027	2	593C	816U	4-3	84	691		36.5 cm.	42	+1.9	+43	+71	+33	+55	+1.0	+0.015	+0.32	+0.25
8	709E	3-07-17	C215Z	2	586C	9105W	1-1	98	736		38.5 cm.	37	+4.5	+66	+105	+31	+64	+1.2	+0.025	+0.56	+0.01
9	703E	3-05-17	C215Z	2	503C	217Z	3-3	86	673		38 cm	40	+1.5	+57	+98	+23	+52	+1.3	+0.045	+0.41	+0.15
10	715Z	3-12-17	217Z	13	438P	126M	4-4	92	675		39.5 cm.	35	+5.6	+47	+88	+24	+47	+1.0	+0.005	+0.40	-0.02
11	723E	3-16-17	9105W	5	213Z ET	157K	4-3	88	718		40 cm.	39	+4.5	+54	+90	+33	+60	+1.2	+0.005	+0.40	-0.07
12	751E	3-22-17	B07	7	027X	739T	1-1	85	679		38 cm.	35	+2.8	+49	+74	+23	+47	+0.9	+0.015	+0.35	+0.02
13	718E	3-13-17	217Z	4	3101A	217Z	1-2	95	674		40 cm.	37	+5.1	+50	+79	+25	+50	+1.4	+0.005	+0.26	+0.02
14	717E	3-12-17	B07	3	425B	501R	1-3	86	658		37 cm.	36	+3.3	+44	+70	+22	+44	+0.8	+0.015	+0.31	+0.04
15	711E	3-11-17	217Z	6	110Y	739T	1-1	84	648		41 cm.	36	+2.5	+44	+74	+22	+44	+1.1	+0.018	+0.47	+0.14
16	783E	4-16-17	B07	3	470B	816U	4-1	83	595		37.5 cm.	37	+3.6	+42	+71	+19	+40	+0.7	+0.005	+0.18	+0.04
17	746E	3-15-17	9105W	4	346A	715	3-3	82	630		36.5 cm.	36	+4.1	+50	+88	+36	+61	+1.1	+0.005	+0.54	+0.01
18	722E	3-16-17	217Z	7	062X	739T	1-2	87	600		39.5 cm.	41	+3.6	+42	+73	+22	+43	+1.1	+0.015	+0.31	+0.12
19	764E	3-16-17	9105W	3	408B	715	3-3	88	636		38 cm.	39	+4.4	+51	+82	+34	+58	+1.0	+0.015	+0.47	+0.04
20	735E	3-06-17	C215Z	2	505C ET	C860U	2-2	83	608		37.5 cm.	39	+4.5	+66	+108	+31	+64	+1.2	+0.025	+0.56	+0.01
21	741E	3-16-17	9105W	6	104Y ET	157K	3-1	81	651		41 cm.	36	+3.3	+48	+79	+30	+54	+1.2	+0.015	+0.35	+0.10
22	749E	3-15-17	9105W	6	114Y	816U	1-2	87	628		37 cm.	40	+2.3	+42	+70	+35	+56	+0.9	+0.004	+0.50	-0.01
23	759E	3-25-17	9105W	7	016X	715	3-4	85	613		38.5 cm.	38	+4.4	+46	+78	+35	+58	+1.0	-0.006	+0.54	-0.05

## 2018 Strang Hereford Sale Bulls (continued)

Animal's Identification							Sale Bull Data						EPDs								
Lot #	Bull ID #	Birth Date	Sire	Dam			Eye Code	Birth Wt.	Adj. WWt	Wt. 10-20	Scrotal Meas.	PAP Score	BW	WW	YW	Milk	M&G	SC	Fat	REA	Marbling
				Age	ID	Sire															
24	756E	3-28-17	B07	5	288Z	739T	2-2	87	683		35 cm.	35	+4.2	+51	+71	+22	+48	+0.8	+0.025	+0.19	+0.13
25	737E	3-17-17	217Z	6	178Y	741T	3-2	75	580		40 cm.	39	+1.8	+37	+66	+22	+41	+1.1	+0.025	+0.26	+0.12
26	769E	3-31-17	B07	3	440B	816U	1-2	79	608		37 cm.	37	+2.2	+39	+67	+20	+40	+0.8	+0.015	+0.30	+0.08
27	752E	3-23-17	B07	9	889U	501R	2-3	87	604		33.5 cm.	40	+3.4	+44	+78	+18	+40	+0.8	+0.015	+0.18	+0.07
28	704E	3-07-17	B07	5	238Z ET	3027	3-2	90	508		34 cm.	38	+3.8	+42	+77	+16	+37	+0.8	+0.015	+0.22	+0.08
29	776E	4-10-17	217Z	4	370A	715	5-5	85	607		40 cm.	37	+2.9	+39	+73	+23	+43	+1.3	+0.015	+0.24	+0.05
30	777E	4-10-17	B07	3	430B	816U	1-1	80	599		38 cm.	36	+3.3	+44	+75	+20	+42	+0.8	+0.008	+0.35	+0.02
31	772E	4-01-17	217Z	11	625S	751	2-3	85	596		42 cm.	38	+3.5	+38	+66	+22	+41	+1.0	-0.005	+0.14	+0.20
32	775E	4-09-17	9105W	5	201Z ET	157K	2-3	80	610		41.5 cm.	36	+3.3	+47	+65	+32	+55	+0.8	+0.005	+0.28	+0.04
33	740E	3-17-17	B07	6	102Y ET	3027	3-3	84	610		37.5 cm.	36	+2.2	+45	+76	+17	+40	+0.9	+0.025	+0.25	+0.13
34	710E	3-10-17	B07	3	439B	739T	3-4	84	632		36 cm.	38	+3.9	+48	+69	+19	+42	+0.8	+0.006	+0.28	+0.04
35	719E	3-13-17	217Z	5	242Z	739T	1-3	92	564		42 cm.	36	+4.4	+43	+75	+25	+50	+1.0	+0.035	+0.14	+0.25
36	762E	3-16-17	9105W	3	436B	715	4-4	85	587		37 cm.	40	+4.0	+49	+83	+34	+58	+1.0	+0.015	+0.42	+0.12
37	767E	3-28-17	B07	6	103Y ET	3027	2-2	84	590		36.5 cm.	39	+2.2	+44	+76	+19	+41	+0.8	+0.025	+0.33	+0.05
38	780E	4-12-17	217Z	6	126Y	739T	1-4	80	554		38 cm.	41	+2.7	+40	+73	+22	+41	+1.0	+0.035	+0.32	+0.20
39	714E	3-11-17	3027	2	502C ET	2Y	1-2	88	561		34 cm.	38	+2.1	+42	+74	+24	+45	+0.8	+0.045	+0.25	+0.26
40	779E	4-11-17	9105W	5	249Z	715	2-3	82	559		34.5 cm.	40	+3.2	+44	+76	+34	+56	+1.0	+0.005	+0.44	-0.06
41	781E	4-16-17	539C	2	534C	3027	3-3	85	593		37 cm.	36	+2.3	+39	+68	+22	+42	+0.9	+0.025	+0.19	+0.28

### Hereford Private Treaty Heifers bred to Hereford Sire SH 3027 Domino 607D, PAP 37

Animal Identification						Data				EPDs						
Heifer ID#	Birth Date	Sire	Dam			Birth Wt	Eye Code	Adj. WWt	Bred to Pasture Exposed: 5/28/17 to 7/31/17	BW	WW	YW	Milk	M&G	REA	Marb
			ID	Age	Sire											
702E	3-04-17	3027	575C	2	9105W	80	1-1	622	*SH 3027 Domino 607D	+1.7	+49	+81	+36	+61	+0.49	+0.24
716E	3-13-17	B07	305Aet	4	501R	85	1-1	590	SH 3027 Domino 607D	+4.0	+46	+77	+16	+39	+0.24	-0.03
732E	3-10-17	B07	311A	4	715	82	4-4	535	SH 3027 Domino 607D	+3.1	+42	+72	+19	+40	+0.20	+0.01
747E	3-20-17	9105W	420B	3	739T	84	3-3	610	SH 3027 Domino 607D	+4.3	+51	+80	+34	+59	+0.42	+0.06
774E	3-31-17	B07	216Z ET	5	3027	82	2-2	596	SH 3027 Domino 607D	+2.6	+48	+81	+18	+42	+0.30	+0.09
*607D	3-02-16	3027	430B	2	816U	77	1-2	692	*Service Sire for Heifers	+2.0	+50	+83	+31	+56	+0.44	+0.16

### Hereford Private Treaty Heifers bred to Angus Sire SBA IV Cedar Ridge 604D, PAP 37

726E	3-17-17	B07	120Y	6	739T	80	2-2	484	*SBA IV Cedar Ridge 604D	+2.7	+42	+66	+16	+37	+0.17	+0.06
727E	3-18-17	9105W	411B	3	739T	80	1-1	578	SBA IV Cedar Ridge 604D	+4.0	+49	+81	+32	+56	+0.48	+0.06
729E	3-17-17	217Z ET	366A	4	816U	73	2-2	555	SBA IV Cedar Ridge 604D	+0.9	+33	+61	+24	+41	+0.33	+0.12
742E	3-21-17	B07	007X	7	739T	82	4-1	571	SBA IV Cedar Ridge 604D	+3.5	+47	+73	+18	+42	+0.18	+0.10
753E	3-23-17	217Z ET	435B	3	739T	85	1-1	551	SBA IV Cedar Ridge 604D	+3.9	+44	+79	+22	+44	+0.33	+0.08
761E	3-29-17	B07	888U	9	22R	85	2-2	614	SBA IV Cedar Ridge 604D	+3.7	+48	+78	+21	+45	+0.35	+0.01
765E	3-29-17	217Z ET	243Z	5	739T	82	4-4	560	SBA IV Cedar Ridge 604D	+3.3	+45	+77	+21	+43	+0.37	+0.10
*604D	2-28-16	CRIV	401B	2	803U	72	N/A	632	*Service Sire for Heifers	+0.3	+32	+59	+24	n/a	n/a	n/a

**\*\* Please Note: White ear tags are Lot Numbers; Yellow or Orange ear tags are Animal ID Numbers**

## 2018 Strang Black Angus Sale Bulls

**Sire Codes:**

**0051** - PR Travelodge 0051      **06M** - SBA EXT 06M      **CR1V** - Cole Creek Cedar Ridge 1V      **251Z** - SBA 803U Travelodge 251Z  
**313A** - SBA 803U Travelodge 313A      **4006** - PR Travelodge 4006      **428P** - SBA 0051 Travelodge 428P      **503R** - SBA Travelodge 503R  
**605S** - SBA 06M EXT 605S      **803U** - SBA 4006 Travelodge 803U      **604D** - SBA 1V Cedar Ridge 604D

Animal's Identification							Data					EPDs					
Lot #	Bull ID#	Birth Date	Sire	Dam			Birth Wt	Adj WW	Wt. 10-20	Scrotal Meas.	PAP Score	CED	BW	WW	YW	CEM	Milk
				ID	Age	Sire											
42	719E	3-12-17	251Z	929W	8	503R	83	635		39 cm.	37	+7	0.0	+24	+39	+9	+7
43	703E	2-27-17	CR1V	555C	2	251Z	85	622		37 cm.	38	+9	+0.2	+28	+53	+11	+26
44	736E(twin)	3-14-17	251Z	242Z	5	605Z	67	677		38 cm.	39	+11	+0.8	+27	+41	+11	+17
45	730E	3-18-17	313A	404B	3	251Z	68	650		37 cm.	40	+8	+1.9	+25	+52	+11	+19
46	726E	3-14-17	313A	746T	10	0051	80	630		40 cm.	38	+2	+1.9	+25	+50	+8	+19
47	701E	2-28-17	313A	327A	4	803U	73	610		36.5 cm.	41	+6	+1.4	+28	+50	+9	+18
48	711E	3-07-17	251Z	318A	4	959W	73	539		36 cm.	39	+10	-0.6	+23	+39	+12	+18
49	727E	3-20-17	251Z	630S	11	0051	79	629		41.5 cm.	39	+8	+0.1	+27	+49	+10	+17
50	717E	3-10-17	251Z	918W	8	4006	83	590		36 cm.	35	+11	-0.2	+24	+46	+12	+18
51	762E	3-06-17	251Z	267Z	5	605S	75	n/a		40.5 cm.	41	+12	-2.2	+22	+37	+13	+21
52	733E	3-21-17	251Z	807U	9	4006	83	566		37 cm.	39	+10	+0.2	+19	+40	+11	+15
53	744E	4-02-17	251Z	407P	13	0051	73	641		36 cm.	37	+9	-0.7	+27	+52	+11	+19
54	746E	4-03-17	313A	546C	2	251Z	87	716		40 cm.	42	+6	+2.8	+32	+50	+10	+19
55	708E	3-03-16	CR1V	509C	2	251Z	73	537		38.5 cm.	37	+10	+0.5	+25	+53	+10	+25
56	729E	3-18-17	251Z	267Z	5	605S	78	602		40.5 cm.	43	+8	+0.0	+22	+45	+12	+18
57	740E	4-01-17	313A	212Z	5	803U	72	616		38 cm.	41	+8	+1.4	+24	+42	+12	+20
58	734E	3-23-17	313A	547C	2	251Z	68	677		37.5 cm.	37	+9	-0.7	+24	+37	+12	+21
59	728E	3-18-17	251Z	417P	13	0051	81	608		36.5 cm.	43	+6	+1.5	+27	+49	+11	+16

## 2018 Black Angus Private Treaty Bred Heifers

Animal Identification						Data			EPDs					
Heifer #	Birth Date	Sire	Dam			Birth Weight	Adj. WWt	Pasture Exposed: 5/19/17 to 7/31/17	CED	BW	WW	YW	CEM	Milk
			ID	Age	Sire									
702E	2-29-16	CR1V	421B	2	251Z	70	600	SBA 1V Cedar Ridge 604D	+7	+0.9	+32	+60	+8	+23
**707E	3-15-16	251Z	655S	10	06M	60	612	*SBA 1V Cedar Ridge 604D	+13	-1.5	+23	+41	+14	+18
724E	3-15-16	313A	231Z	4	803U	72	579	SBA 1V Cedar Ridge 604D	+7	+0.7	+25	+50	+10	+15
731E	3-22-16	251Z	929W	7	503R	77	636	SBA 1V Cedar Ridge 604D	+6	+1.4	+28	+50	+8	+15
738E	3-30-16	251Z	246Z	4	803U	78	665	SBA 1V Cedar Ridge 604D	+7	+1.7	+32	+59	+9	+19
752E	3-31-16	251Z	528R	11	06M	70	624	SBA 1V Cedar Ridge 604D	+11	0.7	+23	+43	+13	+19
753E	4-01-16	251Z	417P	12	0051	72	636	SBA 1V Cedar Ridge 604D	+6	+1.7	+32	+61	+10	+15

**\*\* The 707E heifer was pasture exposed from 5/19/18 - 6/20/18 to a young 251Z son. However, due to the drought and the availability of grass, all females with this bull were moved to SBA IV Cedar Ridge 604D on 6/20/18. Based on an estimate of her calving date when pregnancy checked, she probably is bred to 604D.**