

by *Shane Bedwell*

## Find Your Match

Study the results from the 2019-born calf crop at Olsen Ranch to identify a sire to fit your program.



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As we head into spring, I would like to congratulate the spring 2020 Platinum and Gold Whole Herd Total Performance Records (TPR™) breeders for committing to improving the breed. Turn to Page 10 and 12 to see who achieved Gold and Platinum TPR breeder status.

Results are in from the 2019-born calf crop at Olsen Ranch, Harrisburg, Neb. This operation's commercial cow herd is a 22-year participant in the American Hereford Association's

(AHA) National Reference Sire Program (NRSP).

Through partnerships with various test herds like Olsen's, breeders can make better informed decisions relative to traits of interest and identify young sires that can positively affect the marketplace.

### Understanding the data

**Table 1.** This data shows the phenotypic averages by sire group for dry matter intake (DMI), average daily

gain (ADG), feed to gain (F:G) and adjusted feed to gain (Adj. F:G). Adj. F:G accounts for animal live weight.

**Table 2.** This table lists the complete performance results from birth to harvest by sire group. Note, the two distinct sire groups were analyzed separately because the first calf heifers were managed differently from the mature cows. Consequently, two separate contemporary groups were formed, and data should only be compared within the group.

**Table 3.** Phenotypic averages complementing the phenotypic averages in Tables 1 and 2 are displayed in Table 3. In large, the performance of the sire groups was quite phenomenal when you study the gain and conversion aspects of the business. These cattle performed well and held up to the trademark efficiency advantage of Hereford genetics. The grain market is pushing upward and this trend is something to have in the back of your mind when purchasing bulls this year.

Just as impressively, these cattle graded 71% upper two-thirds Choice and did so with a Yield Grade 3.7 on average. Between the two groups, you will note a decided difference in hot carcass weight (HCW). This is explained by the more favorable nutrition plane the first-calf heifers received after calving when compared to the mature cows.

Nutrition is vital at all stages, but it is amazing how a higher nutrition plane for roughly 30 days after calving makes a significant difference. Similar trends have been noted before in different contemporary groups at Olsen Ranch.

**Table 1: Feed efficiency of Olsen Ranch 2019-born calves**

Sire reg. no.	Sire name	No. head	Avg. DMI	Rank	ADG	Rank	F:G	Rank	Adj. F:G	Rank
<b>Bulls used on heifers</b>										
43627404	BR A004 Crackerjak 915C ET	7	26.5	4	4.69	3	5.67	4	5.51	4
43782451	F Final Test 722	15	23.5	1	4.62	4	5.15	3	5.20	3
43268575	OR 3575 Husker N151 ET	11	23.7	2	4.92	1	4.95	1	4.98	2
43623019	PCR 3X Chief 507C	12	24.8	3	4.90	2	5.09	2	4.96	1
<b>Bulls used on cows</b>										
43764491	Boyd 31Z Blueprint 6153	17	22.0	1	4.80	9	4.60	3	4.64	2
43829144	Desert Explosion 728	14	23.3	6	4.85	7	4.83	6	4.89	7
43776025	GG Trust 167Y 632D	9	23.3	7	4.43	13	5.29	12	5.57	13
43720817	H FHF Advance 628 ET	13	23.0	5	5.04	3	4.57	1	4.54	1
43792609	H5 0945 Domino 7181 ET	15	22.6	3	4.92	5	4.59	2	4.72	4
43688371	HH Advance 6007D ET	21	24.1	9	4.73	10	5.09	11	5.13	11
43822847	KCF Bennett Bedford E177	14	23.6	8	4.69	11	5.08	9	5.35	12
43745946	OR N162 Husker L574	13	22.9	4	4.83	8	4.76	5	4.93	8
43779861	Schu-Lar EFBEEF Converter 40E	14	25.5	12	5.13	1	4.99	7	4.73	5
43624399	Schu-Lar Conversion 501 ET	10	24.7	10	4.87	6	5.09	10	5.02	10
43793570	SHF Everstone Z311 E156	10	25.8	13	4.97	4	5.30	13	4.97	9
43793579	SHF Eclipse Z115 E165	15	22.2	2	4.67	12	4.75	4	4.89	6
43763389	Whitehawk Natural 290E	8	25.3	11	5.07	2	4.99	8	4.67	3

**Table 2: Performance and carcass results for Olsen Ranch 2019-born steer calves**

Sire reg. no.	Sire name	No. head	BW ratio	WW ratio	YW ratio	No. harvested	MARB score	MARB ratio	Choice	Upper 2/3 Choice	Prime	HCW	HCW ratio	REA	REA ratio	FAT	FAT ratio	CYG	CYG ratio
<b>Bulls used on heifers</b>																			
43627404	BR A004 Crackerjak 915C ET	17	110	106	104	7	569	87	100	86	0	933	101	14.66	103	0.73	91	3.68	93
43782451	F Final Test 722	37	102	98	98	17	702	107	100	100	65	913	99	14.11	99	0.81	101	3.99	101
43268575	OR 3575 Husker N151 ET	31	98	96	100	12	713	108	100	100	42	933	101	14.26	100	0.94	118	4.35	110
43623019	PCR 3X Chief 507C	34	95	105	104	12	584	89	100	75	8	956	104	14.55	102	0.76	95	3.88	98
<b>Bulls used on cows</b>																			
43764491	Boyd 31Z Blueprint 6153	42	95	99	97	17	483	94	77	42	6	811	100	13.42	100	0.67	103	3.46	101
43829144	Desert Explosion 728	31	104	103	101	14	520	101	93	43	7	784	96	13.59	101	0.59	90	3.10	91
43776025	GG Trust 167Y 632D	38	102	97	93	9	543	105	89	67	11	765	94	13.76	102	0.54	83	2.86	84
43720817	H FHF Advance 628 ET	38	105	101	101	14	476	92	79	43	0	821	101	14.02	104	0.69	106	3.36	98
43792609	H5 0945 Domino 7181 ET	37	97	98	110	16	463	89	75	31	0	815	100	13.78	102	0.61	93	3.21	94
43688371	HH Advance 6007D ET	41	99	99	115	21	531	103	100	57	5	812	100	12.66	94	0.72	111	3.84	113
43822847	KCF Bennett Bedford E177	35	99	100	99	13	536	104	100	54	0	793	97	12.89	96	0.63	97	3.47	102
43745946	OR N162 Husker L574	24	99	91	101	13	604	117	100	77	31	808	99	14.03	104	0.68	104	3.28	96
43779861	Schu-Lar EFBEEF Converter 40E	40	103	101	104	14	537	104	100	64	0	864	106	12.95	96	0.74	114	4.00	117
43624399	Schu-Lar Conversion 501 ET	26	102	104	98	10	494	96	90	40	0	817	100	14.25	106	0.61	93	3.06	89
43793570	SHF Everstone Z311 E156	35	103	105	104	10	490	95	90	50	0	843	104	13.35	99	0.62	95	3.49	102
43793579	SHF Eclipse Z115 E165	36	95	99	96	15	508	98	100	53	0	779	96	13.32	99	0.58	89	3.15	92
43763389	Whitehawk Natural 290E	32	106	101	106	9	533	103	100	56	0	887	109	14.02	104	0.71	109	3.67	107

**Table 3: Grand averages of progeny**

	Bulls used on heifers	Bulls used on cows
DMI	24.6	23.7
ADG	4.8	4.8
F:G	5.2	4.9
MARB score	642	517
% Choice	100	92
% Upper 2/3 Choice	90	52
% Prime	29	5
HCW	934	815
FAT	0.81	0.65
REA	14.4	13.5
CYG	3.97	3.38

**Table 4: EPDs for 2018 NRSP bulls tested at Olsen Ranch (as of 1/18/2021)**

Reg. No.	Sire Name	CE EPD	CE ACC	BW EPD	BW ACC	WW EPD	WW ACC	YW EPD	YW ACC	DMI EPD	DMI ACC	SC EPD	SC ACC	SCF EPD	SCF ACC	MM EPD	MM ACC	MG EPD
<b>Bulls used on heifers</b>																		
43627404	BR A004 Crackerjak 915C ET	8.2	0.46	3.3	0.59	66	0.50	109	0.49	0.5	0.28	1.3	0.34	24.6	0.31	23	0.28	56
43782451	F Final Test 722	8.1	0.62	1.4	0.84	76	0.74	119	0.73	0.1	0.36	0.8	0.59	24.2	0.35	29	0.34	67
43268575	OR 3575 Husker N151 ET	8.3	0.55	0.4	0.79	47	0.69	78	0.70	0.0	0.61	1.0	0.35	20.7	0.37	27	0.43	50
43623019	PCR 3X Chief 507C	7.1	0.50	-2.2	0.70	66	0.58	96	0.58	0.5	0.32	1.1	0.39	17.4	0.27	30	0.28	62
<b>Bulls used on cows</b>																		
43764491	Boyd 31Z Blueprint 6153	11.5	0.65	1.1	0.89	59	0.81	93	0.78	-0.2	0.46	1.9	0.65	20.1	0.37	27	0.29	56
43829144	Desert Explosion 728	0.3	0.36	3.9	0.67	62	0.56	100	0.56	-0.1	0.38	0.9	0.29	14.8	0.27	30	0.23	61
43776025	GG Trust 167Y 632D	1.7	0.42	3.9	0.67	59	0.58	96	0.56	0.2	0.35	1.8	0.37	15.5	0.32	20	0.30	49
43720817	H FHF Advance 628 ET	1.1	0.49	3.8	0.85	65	0.77	106	0.75	-0.1	0.35	0.5	0.47	14.3	0.34	10	0.42	42
43792609	H5 0945 Domino 7181 ET	12.3	0.41	0.2	0.68	53	0.59	90	0.58	-0.2	0.42	2.0	0.38	14.3	0.32	34	0.31	60
43688371	HH Advance 6007D ET	6.2	0.47	1.6	0.79	59	0.69	86	0.69	0.2	0.46	0.3	0.53	19.0	0.34	19	0.36	48
43822847	KCF Bennett Bedford E177	8.8	0.43	1.1	0.72	63	0.62	104	0.60	0.0	0.42	1.6	0.49	15.7	0.30	39	0.28	70
43745946	OR N162 Husker L574	10.2	0.42	0.7	0.69	52	0.59	99	0.60	0.1	0.51	1.4	0.33	13.5	0.28	17	0.27	43
43779861	Schu-Lar EFBEEF Converter 40E	3.5	0.39	3.2	0.72	67	0.61	115	0.58	0.3	0.48	1.8	0.41	16.6	0.29	28	0.24	62
43624399	Schu-Lar Conversion 501 ET	9.6	0.40	1.0	0.80	63	0.71	83	0.70	0.1	0.64	0.9	0.37	19.3	0.34	13	0.30	44
43793570	SHF Everstone Z311 E156	0.2	0.45	4.2	0.78	79	0.68	135	0.67	0.6	0.36	2.0	0.53	21.6	0.34	26	0.33	66
43793579	SHF Eclipse Z115 E165	14.4	0.45	-0.3	0.74	56	0.63	93	0.60	-0.3	0.44	1.4	0.44	18.9	0.29	28	0.31	56
43763389	Whitehawk Natural 290E	2.5	0.47	4.5	0.77	83	0.66	144	0.63	0.2	0.34	1.7	0.47	20.2	0.29	36	0.29	78

Reg. No.	Sire Name	MCE EPD	MCE ACC	MCW EPD	MCW ACC	UDDER EPD	UDDER ACC	TEAT EPD	TEAT ACC	CWT EPD	CWT ACC	FAT EPD	FAT ACC	REA EPD	REA ACC	MARB EPD	MARB ACC	BMI	BII	CHB	GE-EPDs
<b>Bulls used on heifers</b>																					
43627404	BR A004 Crackerjak 915C ET	1.7	0.31	52	0.33	1.5	0.41	1.4	0.42	69	0.38	0.043	0.36	0.34	0.36	0.25	0.37	468	565	126	yes
43782451	F Final Test 722	4.2	0.37	106	0.39	1.5	0.49	1.4	0.49	77	0.46	0.053	0.46	0.50	0.45	0.65	0.47	520	653	187	yes
43268575	OR 3575 Husker N151 ET	8.3	0.42	35	0.55	1.1	0.62	1.3	0.64	77	0.55	0.153	0.53	0.63	0.53	0.63	0.54	446	548	170	yes
43623019	PCR 3X Chief 507C	10.1	0.31	92	0.29	1.3	0.44	1.4	0.45	85	0.41	0.033	0.38	0.56	0.38	-0.04	0.39	370	443	112	no
<b>Bulls used on cows</b>																					
43764491	Boyd 31Z Blueprint 6153	8.0	0.40	99	0.41	1.5	0.56	1.5	0.56	61	0.52	0.043	0.51	0.36	0.52	-0.01	0.52	404	475	105	yes
43829144	Desert Explosion 728	2.3	0.25	107	0.28	1.2	0.39	1.3	0.40	59	0.46	-0.017	0.42	0.65	0.44	0.35	0.45	357	447	142	yes
43776025	GG Trust 167Y 632D	3.8	0.32	129	0.37	1.3	0.44	1.3	0.45	60	0.44	-0.017	0.40	0.91	0.43	0.39	0.43	367	457	141	yes
43720817	H FHF Advance 628 ET	-1.5	0.48	119	0.55	1.0	0.65	1.2	0.66	86	0.46	0.043	0.46	0.86	0.45	-0.03	0.45	350	419	136	yes
43792609	H5 0945 Domino 7181 ET	12.8	0.33	69	0.38	1.6	0.42	1.6	0.43	88	0.49	0.033	0.45	1.03	0.47	-0.01	0.47	359	416	147	yes
43688371	HH Advance 6007D ET	6.1	0.43	76	0.37	1.3	0.57	1.4	0.57	90	0.53	0.103	0.52	0.42	0.51	0.46	0.53	422	524	166	yes
43822847	KCF Bennett Bedford E177	1.0	0.32	75	0.35	1.3	0.44	1.2	0.44	68	0.49	0.023	0.47	0.35	0.48	0.37	0.49	366	462	151	yes
43745946	OR N162 Husker L574	-0.5	0.29	103	0.37	1.1	0.43	1.1	0.43	78	0.49	0.073	0.46	1.04	0.48	1.00	0.47	388	510	228	yes
43779861	Schu-Lar EFBEEF Converter 40E	-2.5	0.28	106	0.34	1.1	0.41	1.1	0.42	95	0.48	0.083	0.46	0.04	0.47	0.27	0.48	381	480	160	yes
43624399	Schu-Lar Conversion 501 ET	5.8	0.33	103	0.39	1.5	0.40	1.6	0.41	57	0.58	0.033	0.56	0.76	0.57	0.33	0.58	404	497	120	yes
43793570	SHF Everstone Z311 E156	2.2	0.35	113	0.41	1.2	0.48	1.2	0.48	90	0.48	-0.017	0.45	0.59	0.45	0.04	0.46	454	547	144	yes
43793579	SHF Eclipse Z115 E165	9.2	0.32	85	0.36	1.4	0.44	1.4	0.45	57	0.52	0.023	0.49	0.39	0.50	0.29	0.50	405	491	137	yes
43763389	Whitehawk Natural 290E	7.5	0.31	130	0.34	1.3	0.43	1.3	0.46	123	0.50	0.023	0.48	0.65	0.49	0.49	0.51	508	634	239	yes



**Table 4.** The expected progeny differences (EPDs) are displayed for the sires used in the Olsen test herd. The data includes all the observed post-weaning phenotypes and reflects the genetic evaluation released Jan. 18.

As you study the data, I am quite confident you can find a bull excelling in multiple traits. I encourage you to reach out to the breeders of these genetics and inquire about germ plasm or sons they are marketing this spring.

**Join the NRSP**

The AHA is seeking nominations for the NRSP, an industry-leading program for producers to test young sires in a commercial setting.

Participating sires reap the benefits of acquiring high-accuracy carcass EPDs and performance data. Breeders can also leverage a sire's participation in the NRSP as a marketing tool.

The AHA is always interested in building on the already impressive group of NRSP test herds. Test herds gain access to progressive germ plasm from some of the leading Hereford herds in the U.S. If you are interested in becoming a test herd for the NRSP, please contact Shane Bedwell at [sbedwell@hereford.org](mailto:sbedwell@hereford.org).

Nominations are due March 1. Visit [Hereford.org/genetics/breed-improvement/nrsp/](http://Hereford.org/genetics/breed-improvement/nrsp/) for full program details and to complete the online application. **HW**