MALE: SOUTH MOUNTAIN CANNONBALL-ET JE840003141003009 JH1F   Born: 12/6/2018   Tag: 90

Sire: RIVER VALLEY CECE CHROME-ET JE840003012423929 JH1F 7JE5004

Dam: ELLIOTTS TORPEDO CYCLONE-ET JE840003134122919 JH1F

Owner: KUEFFNER ERNEST W & PACKARD TERRI L

431 POTOMAC STREET

BOONSBORO, MD   21713

P-level	Inbreeding Percents
P5	Genomic: 14.1%
BBR	Pedigree: 7.7%
100	Genomic Future: 8.8%

Jersey Haplotype 1 (JH1) is associated with embryo loss. Official status is listed as F for Free, C for Carrier. Breed Base Representation (BBR): CDCB policy is to report BBR values of 94 or greater for one breed as 100. BBRs below 94 are reported as calculated. BBR is reported once, unless animal is re-genotyped with a higher density chip.

Adjustments are applied by CDCB to Traditional Evaluations for yield traits (third column from right) to correct for bias in female genetic evaluations. The Adjusted Evaluations are provided for index and yield traits. The impact of genomic information can be assessed by comparing Genomic Evaluation with the Adjusted Evaluation (column labeled Genomic Impact).

INDEX

Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 11/2019	Genomic REL %	Traditional REL %
JPI	123	131	-8		72	
Net Merit ($)	385	397	-12			
Cheese Merit ($)	390	0	390			
Fluid Merit ($)	375	0	375			
Grazing Merit ($)	294					

YIELD

Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 11/2019	Genomic REL %	Traditional REL %
Milk (lb)	1111	700	411		76	
Fat (lb)	45	40	5		75	
Fat (%)	-0.04	0.03	-0.07		76	
Protein (lb)	35	28	7		76	
Protein (%)	-0.02	0.01	-0.03		76	

Note: Genomic and Traditional Evaluations for Health, Fitness and Type traits are expressed on similar scales. No adjustments have been applied. A comparison of the Genomic Evaluation with the November 2019 Traditional Eval indicates the Genomic Impact.

HEALTH and FITNESS

Trait	Genomic Evaluation	Traditional Eval 11/2019	Genomic Impact	Genomic REL %	Traditional REL %
Pregnancy rate (%)	-1.7	-0.3	-1.4	67	
Cow conception rate (%)	-2.3	-0.6	-1.7	67	
Heifer conception rate (%)	-0.1	1.5	-1.6	56	
Productive life (mo)	3.7	4.8	-1.1	68	
Livability	-1.9	-0.8	-1.1	54	
Somatic cell score	2.88	2.84	-0.04	73	

TYPE

Trait	Genomic Evaluation	Traditional Eval 11/2019	Genomic Impact	Genomic REL %	Traditional REL %
Final score (PTAT)	2.20	2.11	**0.09**	77	
Stature	0.20	1.25	-1.05		
Strength	-0.20	0.04	-0.24		
Dairy form	1.90	1.57	**0.33**		
Rump angle	0.00	0.20	-0.20		
Rump width	0.20	0.22	-0.02		
Rear legs (side view)	0.20	0.11	**0.09**		
Foot angle	-0.10	0.28	-0.38		
Fore udder attachment	1.80	2.08	-0.28		
Rear udder height	2.10	1.69	**0.41**		
Rear udder width	1.40	1.57	-0.17		
Udder cleft	0.80	1.03	-0.23		
Udder depth	1.90	2.34	-0.44	78	
Front teat placement	1.50	2.00	-0.50		
Teat length	0.30	-0.13	**0.43**		
Jersey Udder Index	23.78	27.73	-3.95		