Information Presented on AJCA Performance Pedigrees

1. Animal sex, DHI herd number (cows only), AJCA registration name and registration number.

   If the animal has registry status other than Herd Register, a prefix is added to the name as follows: for the Genetic Recovery program, OA, first step, PR, second step, and GR, third step; for the Jersey Expansion program, J1 indicates first-generation crossbred, provided the animals has a HR (no prefix) sire or dam. The prefix UR designates an animal with permanent identification recorded by the AJCA, but that does not meet requirements for HR, GR, PR, OA or J1 status. Request details on AJCA animal recording systems from Herd Services.

   Twins will be labeled. Name suffixes include P (polled); PP (tested homozygous polled); ET (embryo transfer); ETS (split embryo); ETN (nuclear transfer, cloning); LL (designated carrier of genetic abnormality Limber Legs); RVC (designated carrier of genetic abnormality Rectovaginal Constriction); PTL (progeny tested for LL); and PTR (progeny tested for RVC).

   Genotyped males are identified by GT to the right of the registration number. Source of genomic information is identified for females as follows: GT3K, genotyped with 3K chip; GT50K, with 50K chip; HD, with the 777K chip; GI, genotype through imputation from progeny, but not genotyped; and GA, includes genomic information from genotyped ancestors, but not genotyped. Test status for Jersey Haplotype 1 based on a genotype of 50K or higher density is given: JH1C for carrier, JH1F for tested free.

   Bulls enrolled in the Young Sire Program or Genetic Diversity Program are marked YSP or GDP, respectively. Unproven bulls eligible for, but not enrolled in these programs are designated GQ (qualified for YSP), DQ (qualified for GDP), or DGQ (qualified for both programs).
2. The date of birth (month, day, year) and, for cows, the DHI processing center control number (CONTROL #).
3. Permanent identification of the animal, labeled by form (either tattoo *or* American ID eartag, or tattoo *and* American ID eartag). Numerical ID is listed first for the right ear, followed by a slash then the numerical ID in the animal's left ear.

   For heifers, the percentile (P-level) of the Parent Average (PA) for Jersey Performance Index™ (JPI) is printed. If PA JPI is not available, the P-level is based upon PA for protein. The P-level indicates how this individual ranks compared to others born in the same year.
4. Expected Future Inbreeding (EFI), or if animal is genotyped, GFI. EFI/GFI estimates future progeny inbreeding, assuming that an animal is mated randomly to the current population.
5. Predicted Producing Ability (PPA) and Yield Deviation (YD) for milk, fat and protein. PPA predicts future production. Because PPA is determined relative to a constant genetic base, it can be used to compare one herd situation and is the most effective tool to identify cows that will be profitable milk producers. YD is the weighted average of lactation yield minus selected management and environmental factors, expressed relative to the breed base.
6. USDA Predicted Transmitting Ability (traditional PTA or genomic GPTA) for included traits, USDA Net Merit indexes, PTA/GPTA for Productive Life (PL), Pregnancy Rate (DPR), and Somatic Cell Score (SCS).

   These are estimates of genetic merit that will be transmitted to offspring. Reliability (%R) is a measure of the accuracy of the evaluations. The percentile (%ILE) indicates the animal's ranking relative to all others of its sex. PTAs can be compared to indicate which animal will, on the average, transmit higher production to offspring. PL is the genetic evaluation of milk-producing lifetime. DPR is the genetic evaluation of cow fertility, and SCS of mastitis resistance. PTAT/GPTAT is the genetic evaluation for final score relative to breed base.

   AJCA Predicted Transmitting Ability for Type (PTAT/GPTAT) and Jersey Performance Index™ (JPI) with the date of the evaluation.

   The breed-specific Jersey Performance Index™ (JPI) combines PTA/GPTA for Protein, Fat, Functional Trait Index (FTI), PL, DPR, and SCS, with relative weights of 42% Protein : 15% Fat : 15% FTI : 12% PL : 10% DPR : 6% SCS. JPI can be used to rank animals for combined genetic merit (production, type, and fitness traits). PTAs/GPTAs for appraisal breakdown traits are printed on the following lines.

   For young animals without their own performance information or that have not been genomically tested, Parent Average (PA) is calculated for milk, fat, protein, Cheese Merit dollars (CM$), Net Merit dollars (NM$), Fluid Merit dollars (FM$), type, and JPI. PA is the sum of 1/2 the sire's PTA and 1/2 the dam's PTA. PA estimates are also printed for appraisal breakdown traits. When genotyped, Parent Average is replaced by genomic PTA (GPTA). Reliability (%R) for these estimates is also printed.
7. Lactation records. Up to 16 records are printed, listing information in this order: age at calving, days milked, times milked per day, actual pounds milk, percent fat, actual pounds fat, percent protein, actual pounds protein, and data collection rating (DCR). If a verification test was conducted during the course of a lactation, a V is printed. The 305-day, 2x, mature equivalent lactation average for records at least 180 days in length is also printed.
8. Type evaluations, the cow's age and final score. Final scores are on a 50 to 99 scale: Excellent (90 and above); Very Good (80-89 inclusive); Desirable (70-79); Acceptable (60-69); and Poor (50-59). Scores for breakdown traits from the most recent appraisal are listed: ST, stature; SR, strength; DF, dairy form; RA, rump angle; RW, rump width; RL, rear leg set; FA, foot angle; FU, fore udder; RH, rear udder height; RUW, rear udder width; UC, udder cleft; UD, udder depth; TP, teat placement; TL, teat length.
9. The sire of the animal, his registration number, genotype status (if applicable), sire program (if applicable) and NAAB code (if assigned). The USDA Sire Summary (PTA or GPTA) with issue date for milk, fat, protein, CM$, NM$ and FM$; fitness traits (PL, DPR and SCS); and the AJCA Sire Summary for type with issue date are given. The difference in PTAs between any two bulls is the amount their future daughters will differ in performance when matings are to dams of equal genetic merit.
10. The dam. Her registration number, genotype status (when applicable), tattoo, lactation records, production summary, and genetic evaluations are given. Up to 12 lactations are printed.
11. Age and final score, with type breakdowns for last evaluation.
12. The date that the pedigree was compiled and printed.
13. The Recorded Owner, as indicated on the records of the AJCA.
14. The Breeder of the animal (Recorded Owner of the dam at conception).
15. Total of registered progeny, followed by registration number, sex, tattoo and genotype status (if applicable) for the eight youngest progeny, listed in reverse birth order.
16. The paternal grandsire (refer to 9).
17. The paternal grandam (refer to 10). Up to four lactations are printed. Cows with AJCA registration numbers below 2,300,000 or cows registered in other countries may not have lactations printed. Only the latest final score is given.
18. The maternal grandsire (refer to 9).
19. The maternal grandam (refer to 10). Up to 4 lactations, along with type evaluations (refer to 8) are printed.

Rev. 8/11

OFFICIAL AJCA PERFORMANCE PEDIGREE

FEMALE DHI HERD # 93-24-0662 ISSUE DATE 08/11/2011

1 **D&E DUKE BLITZEN 10777**

USA 067110777 GT50K JH1F

2 BORN 10/31/2005 CONTROL # 10777

AMERICAN ID EARTAG / 10777 **3**

TATTOO / S0777 GFI 8.3% **4**

5
PPA 2451M 84F 113P / YD 2203M 79F 101P
USDA GPTA 08/01/2011 5RECS 77%R 99%ILE
779M 35F 35P 525CM$ 471NM$ 430FM$
5.3PL 2.0DPR 2.96SCS

6
AJCA 08/01/2011 GPTAT 68%R 0.3 JPI 70%R 179

ST	SR	DF	RA	RW	RL	FA
0.8	0.4	0.4	L0.7	0.7	S0.0	S0.5

FU	RH	RUW	UC	UD	TP	TL
0.2	0.4	0.3	0.7	S0.7	C0.4	S0.2

7

1-09	279	2	13230	4.8	635	3.8	506	99DCR	1718C
2-08	291	2	16550	4.3	714	3.8	632	101DCR	2021C
3-07	282	2	17980	4.3	780	3.8	683	101DCR	2197C
4-06	290	2	19740	4.3	851	3.6	703	101DCR	2336C
305 2X ME AVG				4L	20751M		910F	771P	2527C

8
1-11 82% 2-11 83%

ST	SR	DF	RA	RW	RL	FA	FU	RH	RUW	UC	UD	TP	TL
50	34	31	28	47	24	35	28	37	36	24	25	36	24

ASPEN GROVE PARAMOUNT DUKE-ET

USA 113521285 GT JH1F YSP 11JE819
USDA GPTA 08/01/2011 370DAUS 69HRDS 71%RIP
95%R 1M 0.06% 12F 51%ILE
95%R 0.10% 18P 348CM$ 274NM$ 211FM$
3.7PL 1.6DPR 2.98SCS
AJCA 08/01/2011 187DAUS
GPTAT 93%R 0.3 JPI 90%R 106

9

D&E PARAMOUNT BLITZEN

USA 067110031 GT3K TAG: 10031
DHI HERD # 93-24-0662 CONTROL # 10031
PPA 3036M 85F 90P / YD 2161M 50F 65P
USDA GPTA 08/01/2011 5RECS 76%R 98%ILE
987M 24F 28P 337CM$ 345NM$ 363FM$
4.5PL 0.8DPR 3.12SCS
AJCA 08/01/2011 GPTAT 68%R 0.6 JPI 71%R 133

10

2-00	287	2	16900	4.8	809	3.5	598	97DCR	2067C
3-00	305	2	15660	4.4	683	3.6	565	98DCR	1876C
4-01	303	2	21290	4.3	925	3.6	767	101DCR	2544C
5-00	302	2	22610	3.8	865	3.5	784	101DCR	2471C
6-00	290	2	23560	3.9	923	3.4	802	101DCR	2587C
305 2X ME AVG				5L	22018M		912F	762P	2508C

11
2-05 84% 3-06 84%

ST	SR	DF	RA	RW	RL	FA	FU	RH	RUW	UC	UD	TP	TL
29	32	24	23	34	27	32	34	37	38	39	23	36	14

12
OWNER: 304062
D & E JERSEYS
DON & ELSA SHERMAN **13**
9485 N WASHINGTON RD
HILMAR, CA 95324

BREEDER: 304062
D & E JERSEYS
DON & ELSA SHERMAN **14**
9485 N WASHINGTON RD
HILMAR, CA 95324

LAST 5 OF 5 PROGENY FOR USA 067110777 **15**

USA	067176249	M	05/05/2011	/ D6249	
USA	067421928	F	05/22/2010	/ D1928	GT3K
USA	067521580	F	06/16/2009	/ D1580	GT50K
USA	067521281	F	07/06/2008	/ D1281	GT3K
USA	067521001	F	08/02/2007	/ D1001	GT50K

ROCK ELLA PARAMOUNT-ET

USA 000663877 GT JH1C YSP 7JE442
USDA GPTA 08/01/2011 16739DAUS 2727HRDS 4%RIP
99%R 459M 0.00% 22F 35%ILE
99%R 0.02% 21P 253CM$ 227NM$ 212FM$
2.0PL 0.4DPR 3.08SCS
AJCA 08/01/2011 8564DAUS
GPTAT 99%R 0.9 JPI 99%R 99

16

JH ERICSON DORLA-ET 88%

USA 110906256 / A203
PPA 2489M 81F 132P / YD 1461M 55F 94P
USDA PTA 08/01/2011 4RECS 77%R 96%ILE
343M 16F 30P 387CM$ 304NM$ 238FM$
3.8PL 1.2DPR 3.12SCS
AJCA 08/01/2011 PTAT 72%R 0.3 JPI 71%R 124

17

1-08	305	2	16400	4.4	714	3.8	623	96DCR	2008C
3-02	305	2	22410	4.2	943	4.1	909	94DCR	2777C
4-06	305	2	24580	4.2	1027	3.9	947	95DCR	2961C
5-09	305	2	25100	4.5	1118	3.8	956	96DCR	3118C
305 2X ME AVG				4L	24367M		1028F	944P	2959C

ROCK ELLA PARAMOUNT-ET

USA 000663877 GT JH1C YSP 7JE442
USDA GPTA 08/01/2011 16739DAUS 2727HRDS 4%RIP
99%R 459M 0.00% 22F 35%ILE
99%R 0.02% 21P 253CM$ 227NM$ 212FM$
2.0PL 0.4DPR 3.08SCS
AJCA 08/01/2011 8564DAUS
GPTAT 99%R 0.9 JPI 99%R 99

18

D&E DANIEL BLIZTEN

USA 112563862 / S9346
DHI HERD # 93-24-0662 CONTROL # 9346
PPA 501M -35F 18P / YD 645M -19F 22P
USDA PTA 08/01/2011 5RECS 65%R 57%ILE
384M -3F 12P 102CM$ 99NM$ 99FM$
2.2PL 0.0DPR 2.92SCS
AJCA 08/01/2011 PTAT 57%R -0.9 JPI 58%R 35

19

2-11	305	2	19810	4.4	862	3.6	718	97DCR	2375C
3-11	257	2	17750	4.9	863	3.8	669	94DCR	2309C
4-10	305	2	13600	4.5	616	3.9	524	99DCR	1714C
5-11	77	2	4480	3.9	174	3.5	156	48DCR	494C
305 2X ME AVG				5L	18285M		789F	659P	2175C

2-04 84% 3-05 68% 4-04 77%

ST	SR	DF	RA	RW	RL	FA	FU	RH	RUW	UC	UD	TP	TL
34	36	37	25	40	32	20	18	23	28	35	20	27	32