

OFFICIAL AJCA PERFORMANCE PEDIGREE

1 FEMALE DHI HERD # 93-24-0662 ISSUE DATE 12/08/2011 **12**

1 **D&E DUKE BLITZEN 10777** OWNER: 304062

USA 067110777 GT50K JH1F D & E JERSEYS

2 BORN 10/31/2005 CONTROL # 10777 **13**

AMERICAN ID EARTAG / 10777 **3** DON & ELSA SHERMAN

TATTOO / S0777 **4** GFI 8.1% **4** 9485 N WASHINGTON RD

PPA 2751M 121F 122P / YD 2427M 104F 106P BREEDER: 304062

USDA GPTA 12/01/2011 5RECS 79%R 99%ILE D & E JERSEYS

805M 40F 36P 521CM\$ 466NM\$ 424FM\$ DON & ELSA SHERMAN

4.9PL 2.1DPR 2.97SCS 9485 N WASHINGTON RD

5 AJCA 12/01/2011 GPTAT 70%R 0.3 GJPI 73%R 180 HILMAR, CA 95324

6 ST SR DF RA RW RL FA

1.0 0.5 0.5 L1.1 0.7 S0.2 S0.4

FU RH RUW UC UD TP TL

-0.1 0.3 0.2 0.9 S0.4 C0.7 S0.3

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% 5-11 87%

ST SR DF RA RW RL FA FU RH RUW UC UD TP TL

43 40 40 28 46 29 28 29 42 40 28 14 28 29

15 LAST 5 OF 5 PROGENY FOR USA 067110777

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 12/01/2011 16759DAUS 2733HRDS 4%RIP

99%R 497M 0.00% 23F 34%ILE **16**

99%R 0.03% 23P 263CM\$ 234NM\$ 217FM\$

1.9PL 0.3DPR 3.08SCS

AJCA 12/01/2011 8569DAUS

GPTAT 99%R 0.9 GJPI 99%R 104

JH ERICSON DORLA-ET 88%

USA 110906256 / A203

PPA 2473M 80F 131P / YD 1437M 53F 92P

USDA PTA 12/01/2011 4RECS 78%R 95%ILE

328M 16F 29P 376CM\$ 296NM\$ 232FM\$ **17**

3.7PL 1.2DPR 3.12SCS

AJCA 12/01/2011 PTAT 72%R 0.4 JPI 71%R 123

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 12/01/2011 16759DAUS 2733HRDS 4%RIP

99%R 497M 0.00% 23F 34%ILE **18**

99%R 0.03% 23P 263CM\$ 234NM\$ 217FM\$

1.9PL 0.3DPR 3.08SCS

AJCA 12/01/2011 8569DAUS

GPTAT 99%R 0.9 GJPI 99%R 104

D&E DANIEL BLITZEN

USA 112563862 / S9346

DHI HERD # 93-24-0662 CONTROL # 9346

PPA 497M -35F 18P / YD 650M -18F 22P **19**

USDA PTA 12/01/2011 5RECS 65%R 54%ILE

395M -2F 11P 96CM\$ 98NM\$ 102FM\$

2.2PL 0.1DPR 2.92SCS

AJCA 12/01/2011 PTAT 57%R -1.1 JPI 58%R 32

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

ASPEN GROVE PARAMOUNT DUKE-ET

USA 113521285 GT JH1F YSP 11JE819

USDA GPTA 12/01/2011 544DAUS 82HRDS 60%RIP

96%R 64M 0.05% 13F 38%ILE

96%R 0.08% 18P 322CM\$ 256NM\$ 201FM\$

3.4PL 1.5DPR 3.00SCS

AJCA 12/01/2011 337DAUS

GPTAT 96%R 0.3 GJPI 92%R 102

D&E PARAMOUNT BLITZEN

USA 067110031 GT3K TAG: 10031

DHI HERD # 93-24-0662 CONTROL # 10031

PPA 3045M 86F 90P / YD 2214M 56F 67P

USDA GPTA 12/01/2011 5RECS 77%R 94%ILE

902M 26F 25P 270CM\$ 283NM\$ 308FM\$

3.6PL 0.7DPR 3.17SCS

AJCA 12/01/2011 GPTAT 69%R 0.3 GJPI 72%R 113

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

6-11 305 2 21020 4.1 855 3.5 729 101DCR 2378C

305 2X ME AVG 6L 22023M 908F 759P 2498C

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

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 animal 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; GT6K, genotyped with 6K chip; GT8K, genotyped with GGP 8K 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. Official status for Jersey Haplotype 1 based on a genotype of 6K 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™ (2010 update) 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 (CMS), Net Merit dollars (NMS), Fluid Merit dollars (FMS), 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, CMS, NMS and FMS; 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.