

2005 Iowa FFA Dairy Cattle Career Development Event
West Union, Iowa September 17, 2005

Mark the **best** answer in the proper blank on the Scantron sheet.

25 Objective Questions—2 pts. each

1. The first milk secreted after calving is called _____
a. Clostridia b. Coliform c. Collagen d. Colostrum
2. BSE has been in the news recently. Cattle can contract the disease when eating feed that contains _____ from infested animals.
a. Abdominal fluids/tissues b. Saliva c. Brain/spinal cord tissues d. Manure
3. Which breed's winner was chosen Supreme Champion in the 2005 cow judging contest?
a. Brown Swiss b. Holstein c. Guernsey d. Jersey
4. Holstein Association USA recently adopted a new scorecard. Which of the following is NOT a new category on this scorecard?
a. Front end/capacity b. Dairy strength c. Rump d. Chest floor/fore rib
5. What mineral is important for its role in proper immune function, as an antioxidant, and in the prevention of cystic ovaries and retained placentas?
a. Copper b. Zinc c. Sulfur d. Selenium
6. What is the term given to a heifer born twin to a bull?
a. Gomer b. Freemartin c. Metritis d. Displaced abomasums
7. Which of these is not a sign of acidosis?
a. Limited cud chewing b. Ruminal pH over 7 c. Low milk protein d. Sore hooves
8. Cows can become infected with mastitis causing organisms that are on:
a. Milking equipment b. Bedding in stalls c. Hands of people d. All of these
9. Which of the following best describes an ovarian cyst?
a. Pituitary b. Viral c. Follicular d. Pancreatic
10. Dystocia refers to ...
a. Herd health b. Energy consumption c. Calving difficulty d. Mastitis
11. What is the name of milk sugar?
a. Dextrose b. Fructose c. Sucrose d. Lactose
12. Who is the nation's number 1 fluid milk processor?
a. Land O'Lakes b. Hilmar Cheese c. Dean Foods d. ConAgra Foods
13. Which of the following hormones is not directly associated with reproduction?
a. Estrogen b. Testosterone c. Progesterone d. Adrenaline

- 14 Proteins are composed of carbon, hydrogen, oxygen and _____. Bacteria in the ruminant gut can utilize sources of this chemical element to build protein. This helps explain why ruminants can utilize non-protein feedstuffs, such as urea, which are of low value to monogastrics.
- a. Carbon b. Sulfur c. Nitrogen d. Phosphorus
- 15 The only part of a milking machine that touches the cow is the:
- a. Pulsator b. Vacuum pump c. Inflation d. Milk line
- 16 Milk fever is a major cause of cows going down. What mineral deficiency most commonly causes it?
- a. Iron b. Calcium c. Zinc d. Magnesium
17. Whole cottonseed is often fed to lactating cows because it is a good source of:
- a. Digestible fiber b. Energy or fat c. Protein d. All 3 nutrients
18. This substance forms in the tip of each teat when the cow is dry. It aids in sealing the teats to prevent infection of the udder
- a. Mucus b. Keratin c. Skin d. Opaque
19. A score of 25 would be most desirable for this linear trait:
- a. Rump width b. Fore udder attachment c. Fore teat placement d. Body depth
20. Which of the following disorders or diseases does not usually cause a cow to go "off-feed"?
- a. Milk fever b. Displaced abomasum c. Dystocia d. Mastitis
- 21 Which of the following feeds usually contains the most protein?
- a. Alfalfa hay b. Corn silage c. Corn grain d. Soybean oil meal
- 22 The two nutrients of most concern regarding manure application to land are:
- a. Ca & P b. N & P c. Se & Vit.E d. K & Mg
23. Which part of the body secretes bovine somatotropin?
- a. Pituitary b. Liver c. Lymph nodes d. None, it must be injected
24. To optimize milk let down and maximize milk production, milker units should be attached _____ after the start of udder and teat stimulation.
- a. 0-15 seconds b. 45-60 seconds c. 3 minutes d. 5 minutes
25. Cattle can make their own Vitamin _____ if they are exposed to direct sunlight.
- a. A b. B c. C d. D

DHIA Questions—5 pts. each

Refer to the **DHIA Herd Summary** to answer the following questions.

26. What is the rolling yearly herd average for protein on 7-14-02?
a. 744 b. 734 c. 741 d. 747
27. How many animals are in their first lactation?
a. 82 b. 68 c. 97 d. 60
28. What is the feed cost per cwt of milk for the milking cows?
a. \$2.88 b. \$4.01 c. \$9.19 d. \$3.62
29. What is the average days to first service for first lactation animals?
a. 17 b. 58 c. 92 d. 85
30. What is the average daily milk production for all lactations during days 41 through 100?
a. 76 b. 80 c. 91 d. 97

Dairy Management Problems—5 pts. each

31. What percent protein is the following ration?

	Pounds	Percent Protein
Cottonseed meal	500	38
Corn silage	2200	4.2
Ground ear corn	750	6.5
Ground shelled corn	470	8.5
Hay	450	21
Soybean meal	180	38
Mineral	50	0

- a. 10.8% b. 11.6% c. 12.5% d. 13.6%
32. A cow eats 71 lb of silage that contains 65% moisture. How many pounds of dry matter does she consume?
a. 25 b. 33 c. 46 d. 65
33. You make a 16% protein ration by grinding 9 % protein corn and 44 % protein soybean meal. Assuming that corn is \$1.75 per bushel and SBM is \$210 per ton, what is the cost per pound of this ration?
a. 4.6 cents b. 5.2 cents c. 6.1 cents d. 7.2 cents
34. How much additional income would be generated for a producer selling 650,000 lbs of milk if they decrease their average SCC from 400,000 SCC to 120,000 SCC?
Assume an adjustment of \$0.015 per cwt for every 10,000 SCC below 400,000.
a. \$2730 b. \$2820 c. \$3010 d. \$2890
35. A concentrate mix consists of 1250 lbs of corn & cob meal, 350 lbs of shelled corn and 400 lbs of 44% soybean oil meal. If shelled corn costs \$1.75/bu, ear corn at \$1.25/bu and soybean meal costs \$225/ton, what is the total cost of this mix?
a. \$80.26 b. \$90.90 c. \$100.35 d. \$78.25

Sire Evaluation Questions—5 pts. each

Refer to **Appendix A** to answer the following sire questions.

36. What is the most important factor causing Gord Beamer to have the highest PTI?
a. Milk production b. Heifer calves produced c. Bull calves produced
d. Longevity traits
37. Which sire has the best udder composite score?
a. Top Acres Brinks b. Victory Acres Simon Even
c. Rolling View Denver d. R Hart Conquest
38. Which sire has an Interbull evaluation (Multiple trait across country evaluation) which is another measure of longevity?
a. SunMade Garbro Puzzle b. Genesis Versace
c. Harts Ensign Energy d. Top Acres Bond 007
39. Which sire has the least problem with daughter calving ease?
a. Rolling View Denver b. Hilltop Acres Z Digger
c. Blessing Garbo Leader d. Blessing Prophet Ransom
40. If you were selecting for milk production only, which sire would you NOT consider?
a. Hilltop Acres Dynasty b. Misa Jetway Masot
c. Hilltop Acres PT Dallas d. RHart Christians Pride

Pedigree Questions—5 pts. each

Refer to **Appendix B** to answer the following pedigree questions

41. Which two heifers have the same sire?
a. 1-2 b. 2-3 c. 3-4 d. 1-4
42. What is the name of the maternal grandsire of heifer #1?
a. Long Distance Barber Barkly b. Rock Maple Brook Montana
c. Windy Willow Montana Jace d. Windy Willow Malcolm Jaquenette
43. What is the 2 year old milk production record of the dam of heifer #3?
a. 26330 b. 17030 c. 16000 d. 15590
44. Which heifer was an embryo transfer?
a. 1 b. 2 c. 3 d. 4
45. Which heifer would have the least improvement in type score?
a. 1 b. 2 c. 3 d. 4

HERD SUMMARY DHI-202

HENRY SMITH, JR
 313 CHAPANOKE RD
 NC 27603
 1 RALEIGH

HERD CODE AND TYPE OF RECORD	ST.	CO.	HERD NO.	DATE TESTED
55 99 9993	10	7	14	02
DHI-APCS				

PRODUCTION, INCOME, & FEED COST SUMMARY

DESCRIPTION	DAILY AVERAGE PER COW ON TEST DAY	ROLLING YEARLY HERD AVERAGES	NUMBER	%
TOTAL COWS	207	206.8	186.1	90
COWS IN MILK			68.6	24.084
MILK LBS. (ALL COWS)			2.05	868
FAT LBS. (ALL COWS)			3.0	3.6
FAT PERCENT			2.09	747
PROTEIN LBS. (ALL COWS)			3.1	3.1
PROTEIN PERCENT				
MILK LBS. (MILKING COWS)			79.5	
MILK LBS. (ALL COWS)				
LBS. CONSUMED				
SILAGE	64	62	27,514	%ENE
OTHER	17	14	4,739	%ENE
SUCCULENTS OR BLENDED RATIONS				%ENE
DRY FORAGE		1	581	%ENE
OTHER FEEDS				%ENE
PASTURE (YES OR NO)	NO	NO		%ENE
CONCENTRATES	10	9	3,920	%ENE
VALUE OF PRODUCT \$	9.19	7.82	3,669	
CONCENTRATES \$	1.22	1.16	518	
TOTAL FEED COST \$	2.88	2.75	1,199	
INCOME OVER FEED COST \$	6.31	5.07	2,470	
FEED COST PER CWT. MILK \$	3.62	4.01	4.98	
MILK BLEND PRICE	12.27	3.6	15.45	3.8
				.9

MISCELLANEOUS

ASSOC.	36	SAMPLES	DRPC
REV. AT LAB	568	REV. AT LAB	MAILED
SUPV. MO.	7	MO.	DAY
DAY	15	MO.	DAY
YEARLY AVERAGE	7	15	9
SHIPPED-TEST DAY COMPARISON	14162	13606	
TEST DAY	13890	13400	
SUM OF TEST DAY WTS (LBS)			
REPORTED AV. DAILY BULK TANK WTS (LBS)			
% DEVIATION	+1.9	+1.5	

REPRODUCTIVE SUMMARY OF CURRENT BREEDING HERD

BR. OR. OF HERD	H
TOTAL COWS IN BREEDING HERD	67
COWS WITH NO. SERVICE DATES OR DIAG. OPEN	
OPEN VWP TO 100 DAYS	5
OPEN OVER 100 DAYS	3
NUMBER COWS	8
% OF BREEDING HERD	11.94
VOLUNTARY WAITING PERIOD (VWP)	60
COWS BRED BUT NOT DIAG. PREG.	
DAYS OPEN AT LAST SERVICE	2
FEWER WVP TO 100 DAYS	18
FEWER WVP TO 100 DAYS	27
DAYS TO LAST SERVICE	90

REPRODUCTIVE SUMMARY OF TOTAL HERD

SERVICES PER PREGNANCY	AVG. DAYS TO 1ST SERVICE	DAYS OPEN AT 1ST SERVICE		SERVICES PER PREGNANCY	PROJECTED MINIMUM CALVING INTERVAL	DAYS OPEN		
		NUMBER FEWER THAN VWP	NUMBER OVER VWP					
1ST LACT	2	58	17	85	3.0	4.6	15.3	184
2ND LACT	3	25	14	92	2.4	3.6	14.3	155
3+ LACTS	3	17	4	92	2.3	2.8	13.8	141
ALL LACTS	8	100	45	88	2.6	3.9	14.7	166
% OF ALL 1ST SERVICES	5	65	30					
								15.2

YEARLY REPRODUCTIVE SUMMARY

DATE OF TEST	MONTH DROPPED	% HEATS-OBS.	% SUCC-ESS-FUL	PREG RATE	NUMBER SERVICES	NUMBER CONFIRM PREG.	NUMBER CALVING	TOTAL PREGNANT COWS
8-12-01	77	12	9	11	32	12	17	74
9-16-01	61	17	10	13	49	10	13	74
10-14-01	64	20	13	18	53	6	22	70
11-11-01	81	22	18	16	50	13	16	78
12-16-01	57	32	18	16	65	6	23	71
1-13-02	71	35	25	10	47	16	16	76
2-17-02	54	38	21	10	51	20	24	76
3-17-02	16	22	4	21	37	20	21	88
4-16-02	60	36	22	8	50	8	12	86
5-12-02	75	36	27	15	47	15	7	95
6-18-02	51	53	11	11	55	11	17	91
7-14-02	41	41	15	15	21	15	9	94
AVERAGES	59	27	17	13	45	13	16	81
TOTALS					534		196	

COWS TO BE MILKING, DRY, CALVING, BY MONTH

MONTH	AUG	SEP	OCT	NOV	DEC	JAN
* MILKING	179	184	194	187	178	169
DRY	29	25	18	24	35	46
COWS TO CALVE	15	13	16	9	8	17
HEIFERS						
TO CALVE	4	7	9	4	6	5

* ASSUMES 3.0% PER MONTH CULLING RATE.

REMARKS:

COWS MILKED 3 TIMES DAILY FOR ALL OR PART OF THIS YEARLY PERIOD.

HERDCODE: 55-99-9993
DATE TESTED: 7-14-02
BREED: H
STRING: H

STAGE OF LACTATION PROFILE

	STAGE OF LACTATION (DAYS)					TOTAL OR AVERAGE
	1 THRU 41	41 THRU 80	80 THRU 120	120 THRU 160	160 THRU 365	
1ST LACT	3	6	25	27	24	85
2ND LACT	9	3	17	8	14	51
3+ LACTS	6	6	13	10	8	43
ALL LACTS	18	15	55	45	46	179
AVERAGE DAILY MILK PRODUCTION	77	83	89	74	89	78
1ST LACT	108	106	90	74	54	82
2ND LACT	73	106	92	82	50	81
3+ LACTS	91	97	90	76	61	80
FAT %	4.0	3.0	2.6	3.1	3.6	3.1
PROT %	3.0	2.7	2.9	3.1	3.4	3.1
FAT & PROT %	2.6	2.7	3.0	3.0	3.5	3.0
FAT	2.7	2.8	3.0	3.3	3.5	3.1
	3.8	3.0	3.0	2.9	3.7	3.2
PROT.	3.4	2.9	3.1	3.1	3.5	3.2
ALL LACTS	3.2	3.0	2.8	3.0	3.6	3.1
FAT %	2.9	2.8	3.0	3.1	3.4	3.1
1ST LACT	5.6	2.9	2.2	3.2	3.1	3.4
2ND LACT	2.7	1.1	1.9	4.4	3.6	2.7
3+ LACTS	4.6	3.6	3.5	2.7	4.5	3.8
ALL LACTS	4.3	2.5	2.5	3.4	3.7	3.3
SCC	6	4	13	17	17	57
SCR	33	27	24	38	37	32

IDENTIFICATION AND GENETIC SUMMARY

AGE GROUP	NUMBER ANIMALS	AVG. AGE YR-MO	NUM. IDENTIFIED BY	AVG. MERIT \$	GENETIC PROFILE OF SERVICE SIRE
0-12	82	0-06	DAM	73	PROVEN YOUNG OTHER SIRE
13+	68	1-07	SIRE	66	82
1ST LACT	97	2-01	31	139	17
2ND LACT	60	3-05	94	82	13
3+ LACTS	50	5-05	50	81	+187
ALL LACTS	207	3-04	204	+156	79
% IDENTIFIED (PRODUCING FEMALES)	99	97	97	1	

CURRENT SOMATIC CELL COUNT SUMMARY

HERD PRODUCTION LOST FROM SCC THIS TEST PERIOD	MILK \$	7,679	942
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PRODUCTION BY LACTATION SUMMARY

NUMBER OF COWS	AVG. AGE MON.	PEAK MILK	SUMMIT MILK		PROJ ME 305 DAY		DIFFERENCE FROM HERDMATES		BODY WEIGHT	
			40-70 DAYS	70 DAYS	MILK	MILK	FAT	FAT	PROTEIN	PROTEIN
97	25	87	81	24735	844	719	+2578	+57	+60	1210
60	41	105	101	23973	809	719	+1443	+17	+50	1330
50	65	107	102	22659	793	689	+176	+3	+25	1460
ALL LACTATIONS	207	40	93	24045	823	712	+179	+34	+49	1310

YEARLY SUMMARY OF COWS ENTERED AND LEFT THE HERD

YEAR	NUMBER ENTERED	NUMBER LEFT	INJURY	DIED	NOT RPTD
1ST LACT	91	44	2	1	8
2ND LACT	48	63	1	3	4
3+ LACTS	108	62	1	9	10
ALL LACTATIONS	247	169	4	13	22

DRY COW PROFILE

NUMBER PERIODS	NUMBER DRY	NUMBER DRY	NUMBER OVER
60	60	55	5
48	63	39	8
ALL LACTATIONS	108	94	13

YEARLY PRODUCTION AND MASTITIS SUMMARY

DATE OF TEST	DAYS IN TEST PERIOD	NUMBER COWS IN TEST PERIOD	TEST DAY AVERAGES (MILKING COWS)		STANDARDIZED 150 DAY MILK
			DAYS IN MILK	MILK	
8-12-01	28	197	214	73.9	83.1
9-16-01	35	192	225	66.8	77.0
10-14-01	28	204	213	66.4	76.5
11-11-01	28	211	207	65.9	75.5
12-16-01	35	211	210	69.6	78.4
1-13-02	28	208	210	71.6	80.3
2-17-02	35	208	208	75.8	82.7
3-17-02	28	213	211	79.5	87.1
4-16-02	30	214	225	78.3	86.3
5-12-02	26	215	232	81.2	92.0
6-18-02	37	213	234	77.4	88.6
7-14-02	26	207	241	79.5	91.3
AVERAGES	30	208	219	73.3	82.8

TEST PERIOD AV. MILK LBS. ADDED: 68.1
TEST PERIOD AV. MILK LBS. DROPPED: 67.0

2005 - APPENDIX B - NUMBER 1

Bush River & Treasure Chest Combination Sale

LOT 6 FORREST JACE MANDY USA 114175807

BORN 10/26/2004 TATTOO A4 / A4 P8
 FEMALE EFI 8 4%

PA 625M 29F 22P 234CMS 228NMS 219FMS
 IPL 0 4PR 2 92SCS
 PA TYPE 1.1 JPI 120

ST SR DF RA TW RL FA
 1.5 0.7 1.3 LO 4 0.6 PO 1 SO 5
 FU RH RW UC UD TP TL
 0 0 0.8 1.0 0.7 SO.1 CI.0 SO 0

FORREST, ANDREW JR OWNER
 JOHNSTON, SC 29832
 803/275-1699 (H)

PERRY, SARAH LOGAN BREEDER
 SALUDA SC 29138-1120

SELLING OPEN

SIRE:
 WINDY WILLOW MONTANA JACE
 110106571 7JES35

USDA 05/01/2005 121DAUS 70HRDS 8%RIP
 93%R 887M 0.07% 55F 92%ILE
 93%R 0.02% 35P 429CMS 413NMS 384FMS
 1 8PL 0.3DPR 2.75SCS

AJCA 05/01/2005 68DAUS
 JPI 90%R 207 PTAT 85%R 1.4

DAM:
 SENN-SATIONAL BARKLY MONA
 113023938 TATTOO E134 / E134
 DHI HERD #56-36-0051 CONTROL #52134

PPA 321M -20F 6P
 YD -1360M -123F 3P

USDA PTA 05/01/2005 1RECS 43%R 50%ILE
 363M 3F 8P 39CMS 44NMS 54FMS
 0.1PL 0 SPR 3.08SCS

AJCA PTAT 0 8 JPI 52%R 32

ROCK MAPLE BROOK MONTANA-ET
 USA 000658741 29JE3075
 USDA 05/01/2005 6131DAUS 1304HRDS 8%RIP
 99%R 1083M -0.02% 45F 29%ILE
 99%R -0.09% 21P 164CMS 185NMS 225FMS
 -0.7PL -1DPR 2.89SCS

AJCA 05/01/2005 2992DAUS
 JPI 99%R 109 PTAT 99%R 1.1

WINDY WILLOW MALCOLM JAQUENETTE 91%
 USA 003833041 TATTOO DW10C

DHI HERD #91-74-0564 CONTROL #65

2-01 305 2 18200 4 2 757 3 7 669 DHIR 2083C
 3-03 305 2 20620 4 6 947 3 7 759 DHIR 2468C
 4-05 305 2 23270 4 5 1053 3 6 848 DHIR 2757C
 5-05 305 2 25480 4 6 1168 3 6 923 DHIR 3001C
 6-09 275 2 23200 4 4 1023 3 5 818 98DCR 2658C

305 2X ME AVG 5L 24217M 1067F 867P 2797C
 PPA 3871M 188F 133P
 YD 4073M 195F 146P

USDA PTA 05/01/2005 5RECS 69%R 98%ILE
 943M 50F 33P 327CMS 318NMS 301FMS
 0.9PL 0.2PR 2.96SCS

AJCA 05/01/2005 PTAT 62%R 0.5 JPI 67%R 163

LONG DISTANCE BARBER BARKLY
 USA 000665195 7JE488

USDA 05/01/2005 994DAUS 305HRDS 84%RIP
 98%R 1340M -0.17% 28F 47%ILE
 98%R -0.12% 24P 234CMS 265NMS 320FMS
 1 4PL 0.9DPR 2.96SCS

AJCA 05/01/2005 457DAUS
 JPI 97%R 137 PTAT 96%R 1.4

SENN-SATIONAL AMERICAN MONA
 USA 111548785 TATTOO D626 / D626

DHI HERD #57-45-0027 CONTROL #626

PPA -664M 2F -2P
 YD -2820M -20F -36P

USDA PTA 05/01/2005 1RECS 49%R 13%ILE
 -332M -6F -4P -114CMS -125NMS -145FMS
 -1.3PL 0 1PR 3.24SCS

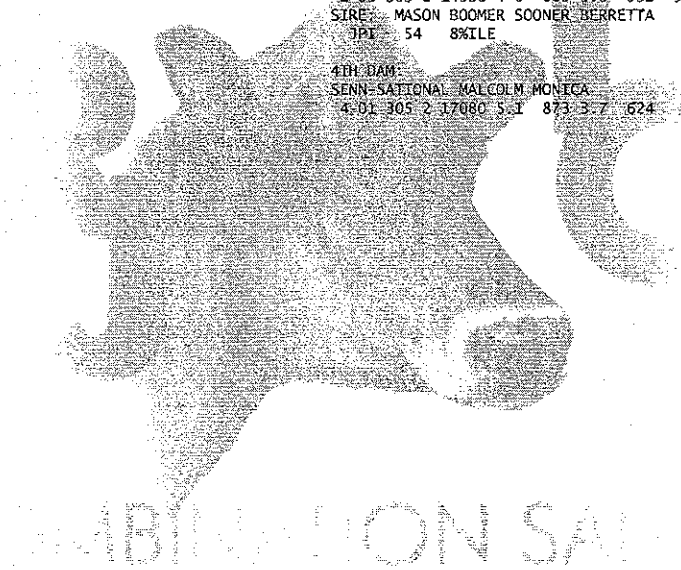
PA TYPE 0.2 JPI -28

SIRE: AL-TOP ALL AMERICAN JPI 69 5%ILE

NEXT DAM:
 SENN-SATIONAL BERRETTA MONA 73%
 2-05 305 2 14530 4 6 665 3 8 552 94DCR 1784C

SIRE: MASON BOOMER SOONER BERRETTA
 JPI 54 8%ILE

4TH DAM:
 SENN-SATIONAL MALCOLM MONICA 85%
 4-01 305 2 17080 5 1 873 3 7 624 DHIR 2029C



COMBINATION SALE

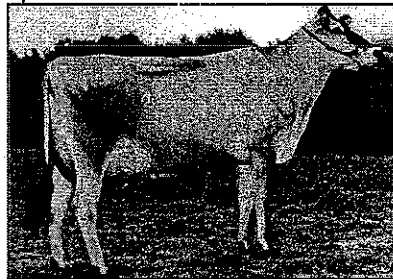
2005 - APPENDIX B - NUMBER 2

Bush River & Treasure Chest Combination Sale

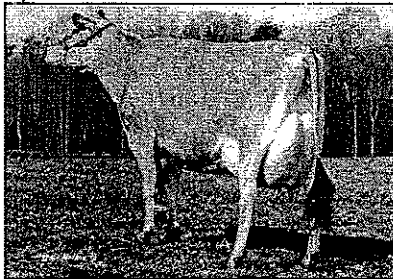
LOT 8A BRJ FLIGHT H-MARK FANTASIA K-28-ET USA 067032428



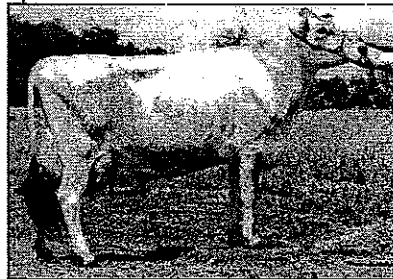
HALLMARK FANTASIA OF WF/L&M
Dam of Lot 8A and 8B



TC BARBER FANTASY
Grandam of Lot 8A and 8B



TC LES BERRETTA BESS
Great-Grandam of Lot 8A and 8B



TC LESTER DUNCAN BESSIE
Fourth Dam of Lot 8A and 8B

BORN 08/25/2004 TATTOO P9
FEMALE EFI 8.3% AMERICAN ID 2428 / 2428

PA 622M 28F 27P 306CMS 290NMS 260FMS
1.8PL 0.2PR 2.92SCS
PA TYPE 0 9 JPI 150

ST SR DF RA TW RL FA
0.3 -0.4 0.6 HO.0 -0.2 SO.2 SO.4
FU RH RW UC UD TP TL
0.5 1.1 0.8 0.8 SO.8 CO.4 SO.1

SELLING OPEN

FIRST CHOICE FEMALE SELLS OUT OF HALLMARK FANTASIA OF WF/L&M AND Sired BY S. R. VIEW FLIGHT. YOU CHOOSE EITHER LOT 8A OR 8B. SALE TERMS: PAYMENT DUE DAY OF SALE

SIRE:
S. R. VIEW FLIGHT
110300836 29JE3226
USDA 05/01/2005 118DAUS 48HRDS 7%RIP
92%R 862M -0.07% 27F 80%ILE
92%R 0.03% 36P 360CMS 341NMS 305FMS
2.4PL 0.4DPR 2.88SCS
AJCA 05/01/2005 59DAUS
JPI 90%R 167 PTAT 83%R 0.2

DAM:
HALLMARK FANTASIA OF WF/L&M
111858118 TATTOO W891
DHI HERD #56-36-0051 CONTROL #5891

1-10 298 2 14260 5.7 809 3.7 530 98DCR 1833C
2-09 305 2 15200 5.5 838 3.7 564 95DCR 1951C
305 2X ME AVG 2L 19780M 1072F 723P 2499C

2-01 85% 3-03 87%
ST SR DF RA TW RL FA FU RH RW UC UD TP TL
37 38 37 24 37 26 32 30 38 39 35 24 31 27

PPA 1076M 100F. #47P
YD 1148M 133F 62P
USDA PTA 05/01/2005 2RECS 58%R 93%ILE
381M 30F 18P 251CMS 239NMS 216FMS
1.2PL 0.1PR 2.97SCS
AJCA 05/01/2005 PTAT 51%R 1.6 JPI 56%R 133

BROTHER(S)
WF/L&M HALLMARK FIELD-ET AT SEMEX ALLIANCE

SISTERS(S)
WF/L&M HALLMARK FAME 84%
1-08 249 2 14130 4.0 566 3.4 487 95DCR 1580C

BUSH RIVER JERSEYS &/OR DORAN BREEDER & OWNER
NEWBERRY, SC 29108

DAR VIEW SKY LINE FROSTY
USA 000657025 29JE3027
USDA 05/01/2005 2876DAUS 738HRDS 4%RIP
99%R 134M -0.08% -9F 9%ILE
99%R 0.06% 16P 128CMS 105NMS 63FMS
0.9PL -0.4DPR 2.79SCS
AJCA 05/01/2005 1791DAUS
JPI 99%R 50 PTAT 99%R -0.3

SR BERRETTA FLOSSY 91%
USA 003899381 TATTOO F41
DHI HERD #23-20-0326 CONTROL #151
1-11 305 3 16000 3.9 622 3.7 592 DHIR 1768C
3-03 305 2 21670 4.1 888 3.6 789 DHIR 2449C
4-04 305 2 22560 4.1 914 3.6 820 98DCR 2531C
5-08 291 2 21070 4.4 927 3.6 752 99DCR 2444C
6-07 301 2 19340 4.3 830 3.8 737 98DCR 2353C
305 2X ME AVG 5L 21757M 900F 793P 2427C
PPA 2826M 90F 107P
YD 3056M 103F 112P
USDA PTA 05/01/2005 5RECS 72%R 97%ILE
937M 28F 34P 302CMS 291NMS 270FMS
1.6PL 0.7PR 3.04SCS
AJCA 05/01/2005 PTAT 63%R 0.8 JPI 69%R 150

SCHULTZ BROOK HALLMARK
USA 000661148 29JE3114
USDA 05/01/2005 4382DAUS 778HRDS 31%RIP
99%R 928M -0.11% 21F 47%ILE
99%R -0.03% 28P 265CMS 264NMS 263FMS
1.2PL -0.3DPR 2.85SCS
AJCA 05/01/2005 2573DAUS
JPI 99%R 154 PTAT 99%R 1.6

TC BARBER FANTASY 94%
USA 004023989 TATTOO T / 372
DHI HERD #52-33-0019 CONTROL #4054
2-02 290 2 14400 5.2 745 3.7 532 98DCR 1730C
3-02 305 2 15330 5.1 780 3.9 601 100DCR 2080C
4-08 305 2 19920 5.0 988 3.6 720 99DCR 2489C
6-01 305 2 20190 5.0 1005 3.7 756 99DCR 2615C
305 2X ME AVG 4L 18595M 928F 699P 2233C
PPA 60M 36F 31P
YD 707M 60F 53P
USDA PTA 05/01/2005 5RECS 66%R 67%ILE
12M 10F 8P 120CMS 105NMS 79FMS
0.8PL 0.3PR 3.1SCS
AJCA 05/01/2005 PTAT 56%R 1.3 JPI 63%R 71
SIRE: WF/L&M DUNCAN BARBER-ET JPI 53 10%ILE

SISTERS(S):
TC BROOK BESSIE 88%
5-06 305 2 19740 4.2 824 3.6 702 94DCR 2292C
TC HENRY 214 BESS 87%
1-10 305 2 13610 5.2 720 3.8 523 95DCR 1810C

NEXT DAM:
TC LES BERRETTA BESS 95%
8-09 295 2 20680 4.0 818 3.6 748 96DCR 2348C
SIRE: MASON BOOMER SOONER BERRETTA
JPI 54 8%ILE

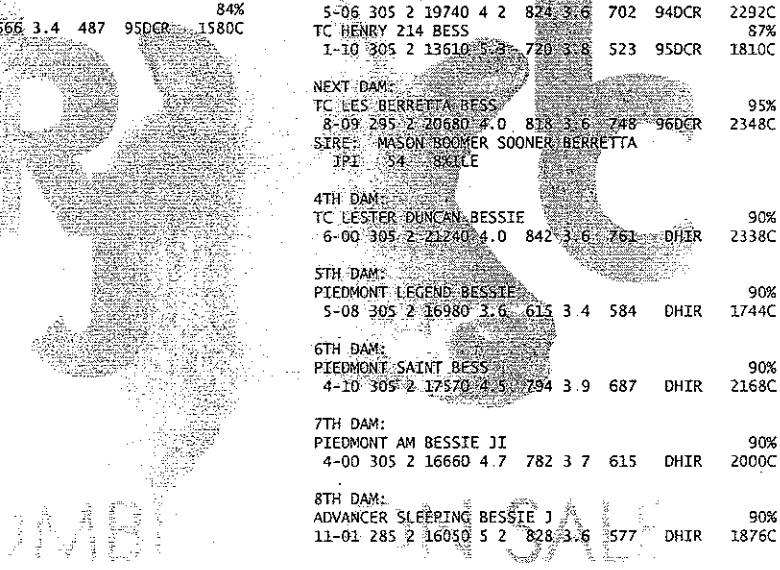
4TH DAM:
TC LESTER DUNCAN BESSIE 90%
6-00 305 2 21240 4.0 842 3.6 761 DHIR 2338C

5TH DAM:
PIEDMONT LEGEND BESSIE 90%
5-08 305 2 16980 3.6 615 3.4 584 DHIR 1744C

6TH DAM:
PIEDMONT SAINT BESS 90%
4-10 305 2 17570 4.5 794 3.9 687 DHIR 2168C

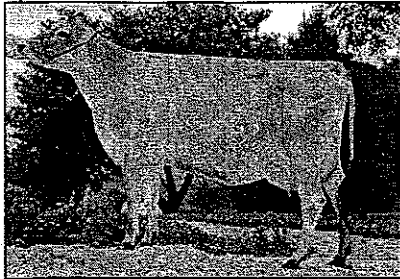
7TH DAM:
PIEDMONT AM BESSIE JI 90%
4-00 305 2 16660 4.7 782 3.7 615 DHIR 2000C

8TH DAM:
ADVANCER SLEEPING BESSIE J 90%
11-01 285 2 16050 5.2 828 3.6 577 DHIR 1876C

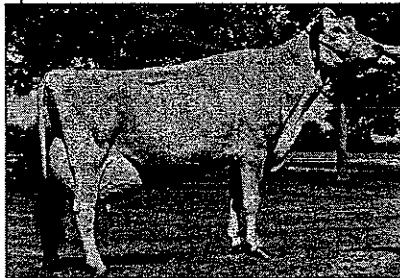


2005 - APPENDIX B - NUMBER 3

Bush River & Treasure Chest Combination Sale



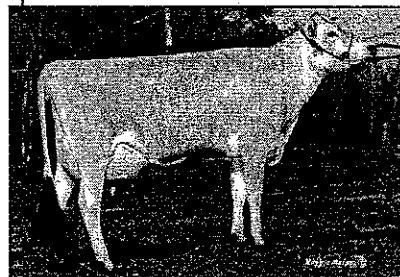
PM BECKI OF ROG-AL-ET
Sister to Lot 9



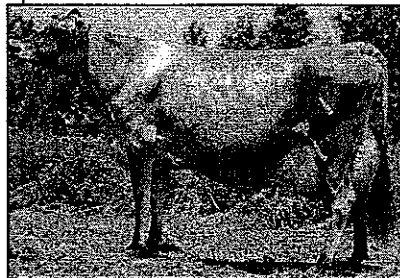
SUNNY DAY BOLD BELINDA
Grandam of Lot 9



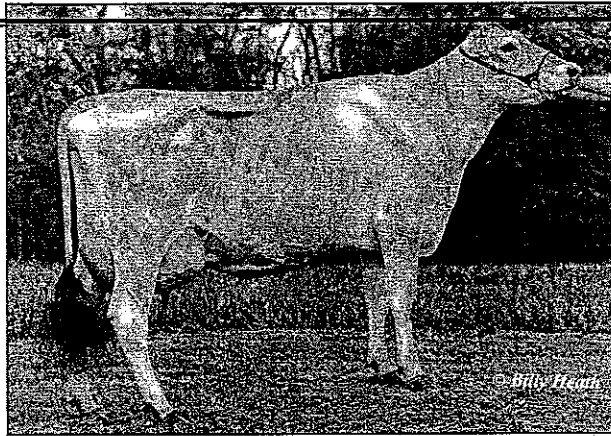
SUNNY DAY BOLD BELINDA
Grandam of Lot 9



SUNNY DAY BERRETTA BELINDA-ET
Great-Grandam of Lot 9



SUNNY DAY YANKEE BECKY
Fourth Dam of Lot 9



SUNNY DAY MONTANA BELINDA, E-90%
Dam of Lot 9

LOT 9 BOMBERS BELITA USA 114237118

BORN 07/22/2004 TATTOO
FEMALE EFI 8 0%

W531 P9

STILES KENNETH & TRICIA & SUNN BREEDER & OWNER
CLEAR BROOK VA 22624

PA 1351M 76F 40P 402CM\$ 404NM\$ 406FM\$
0.6PL -0.8PR 2.94SCS
PA TYPE 1 2 JPI 220
ST SR DF RA TW RL FA
0.5 0.2 1.6 LQ 2 0.2 50.4 LQ 0
FU RH RW UC UD TP TL
0.5 1.4 1.8 0.8 DO 1 CO 8 SO 0

SELLING OPEN

BROTHER(S):
WF/SUNNY BOMBER BOYCE-ET AT ABS GLOBAL

SISTER(S):
PM BECKI OF ROG-AL-ET 88%
2-01 305 2 22070 5.2 1142 3.5 775 95DCR 2679C
RANKS 14TH IN THE NATION FOR JPI
KLASSIC BELLINA 85%
1-08 298 2 13540 5.2 698 3.3 453 99DCR 1564C
RANKS 68TH IN THE NATION FOR JPI
PARAMOUNT MONTANA BELINDA Z-67-ET 85%
RANKS 57TH IN THE NATION FOR JPI

SIRE:
WF BROOK BOMBER
110021067 76JEL19
USDA 05/01/2005 54DAUS 21HRDS 22%RIP
78%R 894M 0.03% 47F 45%ILE
78%R -0.03% 26P 252CM\$ 254NM\$ 256FM\$
0.1PL -0.6DPR 3.08SCS
AJCA 05/01/2005 11DAUS
JPI 78%R 157 PTAT 79%R 1.4

DAM:
SUNNY DAY MONTANA BELINDA
111436693 TATTOO L821 L821
DHI HERD #52-33-0019 CONTROL #4079
2-00 305 2 15590 5 3 825 3.4 529 99DCR 1827C
3-00 305 2 18350 5 5 1009 3 6 657 99DCR 2271C
365 2 22281 5 6 1255 3 6 803 DHIR 2777C
4-04 305 2 21460 5.2 1114 3.4 721 99DCR 2490C
305 2X ME AVG 3L 20615M 1083P 710P 2455C

2-07 87% 3-02 87% 3-09 90%
ST SR DF RA TW RL FA FU RH RW UC UD TP TL
38 42 44 25 42 25 32 38 42 40 27 23 33 26

PPA 3469M 246F 111P
YD 4455M 281F 139P
USDA PTA 05/01/2005 3RECS 63%R 99%ILE
1808M 104F 53P 552CM\$ 554NM\$ 557FM\$
1.1PL -1PR 2.81SCS
AJCA 05/01/2005 PTAT 55%R 1.0 JPI 61%R 282
RANKS 29TH IN THE NATION FOR JPI

BROTHER(S):
SUNNY DAY RD BEN-ET AT ABS GLOBAL
SUNNY DAY RED DOG BENJI-ET AT ABS GLOBAL
JVB RED HOT BEVON-ET AT SELECT SIRE
JVB RED HOT MORTIMER-ET AT GENEX / CRI

SISTERS(S):
SUNNY DAY RD BELINDA-ET 84%
1-11 305 2 17960 3.6 646 3.3 596 94DCR 1859C

MOLLY BROOK BRASS MAJOR
USA 000644248 29JE2865
USDA 05/01/2005 11231DAUS 2627HRDS 4%RIP
99%R -120M 0.16% 24F 3%ILE
99%R 0.02% -1P 24CM\$ 20NM\$ 11FM\$
-0.8PL -1.7DPR 3.01SCS
AJCA 05/01/2005 4142DAUS
JPI 99%R 39 PTAT 99%R 1.3

WF BARBER BITS 87%
USA 003925284 TATTOO W080
DHI HERD #52-33-0019 CONTROL #3080
2-02 305 2 17030 4 6 777 3 6 607 DHIR 1973C
305 2X ME AVG 1L 22628M 1006F 801P 2603C
PPA 1814M 87F 43P
YD 3275M 93F 85P
USDA PTA 05/01/2005 1RECS 60%R 80%ILE
520M 25F 13P 150CM\$ 155NM\$ 164FM\$
0PL 0.3PR 2.9SCS
AJCA 05/01/2005 PTAT 56%R 0.4 JPI 59%R 80

ROCK MAPLE BROOK MONTANA-ET
USA 000658741 29JE3075
USDA 05/01/2005 6131DAUS 1304HRDS 8%RIP
99%R 1083M -0.02% 45F 25%ILE
99%R -0.09% 21P 164CM\$ 185NM\$ 225FM\$
-0.7PL -1DPR 2.89SCS
AJCA 05/01/2005 2992DAUS
JPI 99%R 109 PTAT 99%R 1.1

SUNNY DAY BOLD BELINDA-ET 94%
USA 110061128 TATTOO L623 L623
DHI HERD #34-58-0040 CONTROL #3000
2-02 305 2 26350 5.8 1514 3.5 913 100DCR V 3156C
4-01 305 2 29700 5 3 1580 3.6 1077 99DCR 3724C
6-01 305 2 33870 4 6 1574 3.5 1198 100DCR 4141C
365 2 38557 4 7 1802 3.7 1411 100DCR
305 2X ME AVG 3L 32195M 1686F 1144P 3956C
PPA 5503M 309F 191P
YD 5616M 304F 198P
USDA PTA 05/01/2005 3RECS 65%R 99%ILE
1727M 82F 57P 560CM\$ 550NM\$ 532FM\$
-2.4PL -0.2PR 2.92SCS
AJCA 05/01/2005 PTAT 53%R 0.6 JPI 62%R 277
SIRE: MAF BOLD VENTURE DANIEL JPI 148 69%ILE
RANKS 32ND IN THE NATION FOR JPI

SISTERS(S):
VTF DANIEL BELINDA SLUR-ET 87%
4-10 305 2 18210 5 1 922 3 4 617 93DCR 2131C

NEXT DAM:
SUNNY DAY BERRETTA BELINDA-ET 80%
2-00 286 2 11860 4 1 491 3 7 442 DHIR 1362C
SIRE: MASON BOOMER SOONER BERRETTA
JPI 54 8%ILE

4TH DAM:
SUNNY DAY YANKEE BECKY 90%
5-09 365 2 36380 4 1 1495 3 5 1257 DHIR V 4025C

2005 - APPENDIX B - NUMBER 4

Bush River & Treasure Chest Combination Sale

LOT 10 WF BOMBER TABINA USA 114237088

BORN 06/26/2004 TATTOO W527 P7 STILES, TRICIA BREEDER & OWNER
 FEMALE EFI 8 0% CLEAR BROOK VA 22624

PA 564M 29F 20P 168CM\$ 161NM\$ 148FM\$
 OPL -0.4PR 3.14SCS
 PA TYPE 1.0 JPI 106
 ST SR DF RA TW RL FA
 0.8 0.0 1.1 LO 4 -0.2 SO 2 SO 1
 FU RH RW UC UD TP TL
 0.6 1.6 1.5 0.6 SO 4 CO 3 SO 0

SELLING OPEN

SIRE:
 WF BROOK BOMBER
 110021067 76JE119
 USDA 05/01/2005 54DAUS 21HRDS 22%RIP
 78%R 894M 0.03% 47F 45%ILE
 78%R -0.03% 26P 252CM\$ 254NM\$ 256FM\$
 0.1PL -0.6DPR 3.08SCS
 AJCA 05/01/2005 41DAUS
 JPI 78%R 157 PTAT 79%R 1.4

DAM:
 WF ALL AMERICAN TABINA
 111681981 TATTOO W838
 DHI HERD #52-33-0019 CONTROL #3838
 1-10 305 2 13280 4 8 636 3 5 461 99DCR 1593C
 2-11 305 2 16690 4 7 785 3 6 608 100DCR 2098C
 305 2X ME AVG 2L 18737M 872F 663P 2312C

2-02 85% 3-04 85%
 ST SR DF RA TW RL FA FU RH RW UC UD TP TL
 43 39 40 29 34 23 34 34 42 40 37 22 31 28

PPA 732M 15F 38P
 YD 119IM 53F 70P
 USDA PTA 05/01/2005 3RECS 59%R 57%ILE
 233M 11F 15P 83CM\$ 68NM\$ 40FM\$
 OPL -0.1PR 3.2SCS
 AJCA 05/01/2005 PTAT 52%R 0.6 JPI 57%R 54

SISTERS(S):
 WF MONTANA TRISH 90%
 2-11 305 2 17290 5 2 894 3 7 633 99DCR 2189C
 WF AVERY TASHA 92%
 3-04 305 2 20390 4 4 893 3 5 706 99DCR 2406C

MOLLY BROOK BRASS MAJOR
 USA 000644248 29JE2865
 USDA 05/01/2005 11231DAUS 2627HRDS 4%RIP
 99%R -120M 0.16% 24F 3%ILE
 99%R 0.02% -1P 24CM\$ 20NM\$ 11FM\$
 -0.8PL -1.7DPR 3.01SCS
 AJCA 05/01/2005 4142DAUS
 JPI 99%R 39 PTAT 99%R 1.3

WF BARBER BITS 87%
 USA 003925284 TATTOO W080
 DHI HERD #52-33-0019 CONTROL #3080
 2-02 305 2 17030 4 6 777 3 6 607 DHIR 1973C
 305 2X ME AVG 1L 22628M 1006F 801P 2603C
 PPA 1814M 87F 43P
 YD 3275M 93F 85P
 USDA PTA 05/01/2005 1RECS 60%R 80%ILE
 520M 25F 13P 150CM\$ 155NM\$ 164FM\$
 OPL 0.3PR 2.9SCS
 AJCA 05/01/2005 PTAT 56%R 0.4 JPI 59%R 80

AL-TOP ALL AMERICAN
 USA 000661339 7JE399
 USDA 05/01/2005 5037DAUS 1045HRDS 12%RIP
 99%R 665M 0.06% 41F 5%ILE
 99%R -0.01% 22P 80CM\$ 76NM\$ 69FM\$
 -1.7PL -1.3DPR 3.22SCS
 AJCA 05/01/2005 2912DAUS
 JPI 99%R 69 PTAT 99%R 0.6

CAMPBELLS RUN TRISHA BERRETTA-ET 85%
 USA 003971999 TATTOO C041 / C041
 DHI HERD #52-33-0019 CONTROL #3156
 1-10 305 2 12980 4.8 622 3 9 512 DHIR 1663C
 2-11 305 2 15210 4.9 747 4.0 609 100DCR 1983C
 4-00 305 2 18560 4.9 915 3.6 673 99DCR 2188C
 4-11 305 2 17690 4.6 818 3.6 628 99DCR 2171C
 305 2X ME AVG 4L 18698M 890F 699P 2124C
 PPA -998M -44F -21P
 YD -55M -5F 7P
 USDA PTA 05/01/2005 5RECS 70%R 32%ILE
 325M -21F -6P -14CM\$ -21NM\$ -34FM\$
 5PL 1.1PR 3.17SCS
 AJCA 05/01/2005 PTAT 61%R 0.1 JPI 68%R -14
 SIRE: MASON BOOMER SOONER BERRETTA
 JPI 54 8%ILE

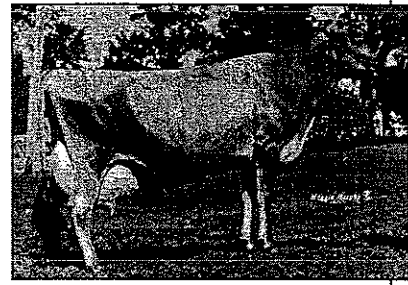
SISTERS(S):
 CAMPBELL RUN TESSIE#BROOK-ET 83%
 3-07 305 2 21250 4.9 1034 3.8 798 DHIR 2596C
 CAMPBELLS RUN IMPERIAL TESSA-ET 86%
 3-07 305 2 17270 4.8 833 3.8 652 DHIR 2121C
 CAMPBELLS RUN BS TESSA-ET 87%
 4-00 305 2 21280 4.3 923 3.7 797 DHIR 2516C
 CAMPBELL RUN SOONER TRINKET-ET 85%
 4-03 282 2 18880 4.4 833 3.5 659 99DCR 2141C
 CAMPBELLS RUN TRISH BERRETTA-ET 90%
 6-04 305 2 25000 4.3 1020 3.6 899 99DCR 2959C
 CAMPBELL RUN BARBER TWIGLIGHT-ET 86%
 5-00 286 2 16800 4.4 740 3.6 605 92DCR 2023C
 CAMPBELL RUN TABBY-ET 91%
 TIMELESS DUNCAN JUDE TAYLOR-ET 89%
 4-01 305 2 21760 4.8 1055 3.8 835 94DCR 2847C
 TIMELESS DUNCAN JUDE TESSA-ET 81%
 2-07 294 2 16430 4.5 815 3.7 614 92DCR 1997C
 TIMELESS BARBER TUESA-ET 84%
 2-05 305 2 16780 4.9 815 3.5 583 94DCR 2015C
 TIMELESS SELECT TABITHA-ET 83%
 3-10 305 2 18710 4.2 778 3 3 610 93DCR 2087C

NEXT DAM:
 W.F. MAGIC TESS-ET 91%
 9-08 305 2 25980 3.9 1011 3 5 909 DHIR 2800C
 SIRE: QUICKSILVERS MAGIC OF OGSTON JPI -164 0%ILE
 1ST JR 2-YEAR-OLD, 1987 NC STATE FAIR
 3RD JR 2-YEAR-OLD AND BEST UDDER, 1987 ALL AMERICAN

4TH DAM:
 GENERATOR PRINCE TINA 88%
 8-01 365 2 21050 4.3 896 DHIR



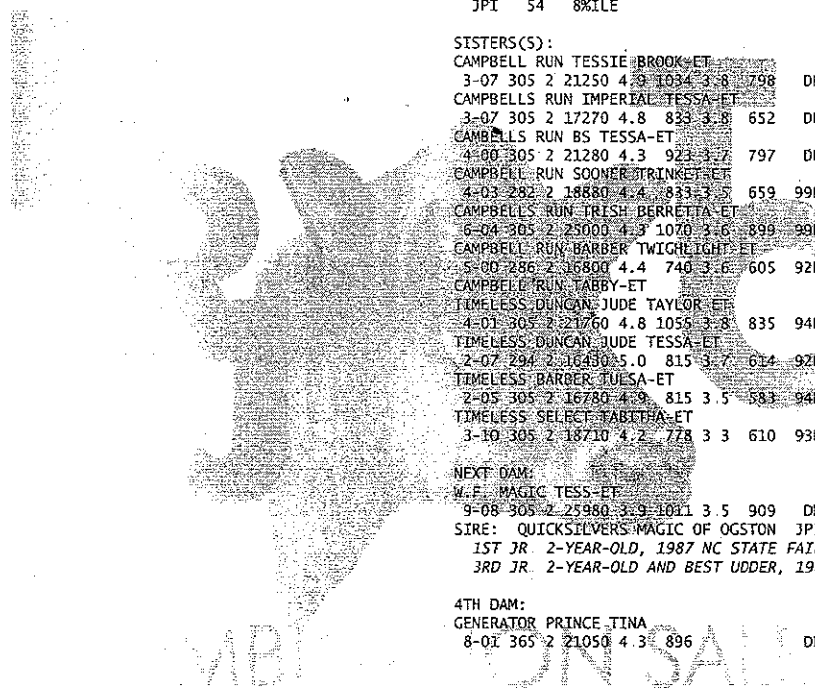
W.F. MAGIC TESS-ET
 Great-Grandam of Lot 10
 As a two-year-old



W.F. MAGIC TESS-ET
 Great-Grandam of Lot 10



GENERATOR PRINCE TINA
 Fourth Dam of Lot 10



2005 Iowa FFA Dairy Cattle Production & Management Test Answer Sheet

General

(2 points each)

1. D
2. C
3. C
4. D
5. D
6. B
7. B
8. D
9. C
10. C
11. D
12. C
13. D
14. C
15. C
16. B
17. D
18. B
19. C
20. D
21. D
22. B
23. A
24. B
25. D

DHIA

(5 points each)

26. D
27. C
28. D
29. D
30. D

Dairy Management Problems

(5 points each)

31. B
32. A
33. A
34. A
35. D

Sire Summary

(5 points each)

36. D
37. D
38. D
39. D
40. D

Pedigree Evaluation

(5 points each)

41. C
42. A
43. D
44. B
45. B

Pedigree Placing

(25 points)

3 2 1 4 cuts 7-1-5

Reasons:

- | | |
|----------|---|
| 3 | Highest NM \$404
Highest JPI 220
Highest type 1.2 |
| 2 | Second highest NM \$290
JPI 150
Lowest type .9 |
| 1 | Third High NM \$228
JPI 120
Type 1.1 |
| 2 | Lowest NM \$161
Lowest JPI 106
Type 1.0 |