

2008 Iowa FFA Dairy Cattle Career Development Event

West Union, Iowa September 20, 2008

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

25 Objective Questions – 2 pts. each

- Which of the following hormones is not directly associated with reproduction?
a. Testosterone b. Adrenaline c. Estrogen d. Progesterone
- How many cows did the average herd have in the US in 2007?
a. 74 b. 110 c. 155 d. 450
- In the udder, the milk is formed in tiny sacs known as:
a. Udder cisterns b. Lobules c. Mammary sacs d. Alveoli
- At what age do dairy cattle develop upper incisors?
a. Birth b. 3 days c. 3 months d. Never
- What is the optimum length of a cow's dry period?
a. 21 days b. 30 days c. 60 days d. 9 months
- Washing the udder prior to milking stimulates the release of _____ which induces milk letdown.
a. Adrenaline b. Testosterone c. Oxytocin d. Estrogen
- The only part of a milking machine that touches the cow is the:
a. Pulsator b. Vacuum pump c. Inflation d. Milk line
- What nutrient supplies the majority of energy in a cow's ration?
a. Minerals b. Water c. Carbohydrate d. Protein
- What is the name of milk sugar?
a. Dextrose b. Fructose c. Lactose d. Sucrose
- What was the US 2007 all-market mailbox price?
a. \$12.84 b. \$14.28 c. \$19.16 d. \$20.15
- What is the time period that a cow carried a calf?
a. Gestation b. Lactation c. Parturition d. Rumination
- What is the name of the process where warm milk is forced through tiny holes in order to break the fat particles into tiny pieces?
a. Homogenization b. Pasteurization c. Fertilization d. Conception

13. The first milk secreted after calving is called _____.
- a. Clostridia b. Coliform c. Collagen d. Colostrum
14. Dystocia refers to...
- a. Herd health b. Energy consumption
c. Calving difficulty d. Mastitis
15. Ruminants are unique because of their ability to utilize cheaper sources of roughage as:
- a. Nitrogen b. Protein supplements c. Protein d. Energy
16. Until how many hours old will a calf's intestine absorb the disease fighting ingredients of colostrum?
- a. 4 b. 12 c. 24 d. 48
17. Fat has how many times as much energy per pound as carbohydrates?
- a. .75 b. 1.25 c. 2.25 d. 4.40
18. Which of the following represents the largest single cost associated with producing milk?
- a. Facilities b. Feed c. labor d. veterinarians and drugs
19. What term describes the removal of an animal from the herd?
- a. Colostrums b. Culling c. Conception d. Calving
20. How does a robotic milker find the teats of a cow ready to be milked?
- a. Lasers or vision cameras b. Milk detection sensors
c. Somatic cell sensors d. Teat sphincter sensors
21. Which of these feeds will not likely lower your milkfat test?
- a. Flaked soybeans b. High quality pasture
c. Long stem dry hay d. Monensin
22. Milk fever is a major cause of cows going down. What mineral deficiency most commonly causes it?
- a. Calcium b. Iron c. Magnesium d. Zinc
23. Cows exposed to sunlight will readily make which vitamin on their own?
- a. Vitamin A b. Vitamin D c. Vitamin E d. Vitamin K
24. Lameness or sore feet is often a sign of what digestive disorder?
- a. Acidosis b. Fatty liver disease
c. Metritis d. Retained placenta
25. Which of these is not a protein source for dairy cattle?
- a. Blood meal b. Corn c. Distillers grains d. Soybean meal

DHIA Questions – 5 pts each

Refer to the **Appendix A (DHI – 202(both sides))** to answer the following questions.

51. What is the dollar loss from SCC during this test period?
a. 942 b. 4437 c. 91.20 d. 98
52. What is the average milk production per milking cow on 7/25/08?
a. 50.3 b. 58.5 c. 64.9 d. 53.9
53. What was the reason that the largest number of cows left the herd during the last year?
a. Died b. Low production c. Feet & legs d. Udder
54. Which lactation group has the lowest projected actual 305 day milk production?
a. 1st lactation b. 2nd lactation c. 3rd plus lactation d. 4th lactation
55. What is the latest rolling yearly herd average for protein production?
a. 819 b. 18310 c. 3.3 d. 626

Dairy Management Problems – 5 pts each

56. What percent protein is the following ration?

	Pounds	%Protein
Whole Cottonseed	120	23
Barley pea silage	700	5.1
Ground shelled corn	680	8.2
Haylage	1000	6.2
Hay	100	20
Protein mix	320	44
Mineral	75	0

- a. 14.7% b. 13.6% c. 12.5% d. 11.4%
57. What is cost per cwt of ground shelled corn if corn is \$5.27 per bushel and grinding is \$0.32 per cwt?
a. \$9.73 b. \$7.84 c. \$9.89 d. \$7.66
58. You make 14% protein ration by grinding 8.1% protein corn and 40% complete protein mix. How many pounds of protein mix are needed to make a ton ration?
a. 370 b. 1630 c. 310 d. 1690
59. A cow consumes 56 pounds of corn silage that contains 61% moisture. How many pounds of dry matter does it contain?
a. 34 b. 21.8 c. 56 d. 24.2

60. What is the component value of a hundred weight of milk if the farm produces 134,000 pounds of milk with the following:

Components		Basis Milk Value
Butterfat	4.33%	1.616 per pound
Protein	3.36%	3.979 per pound
Solids	5.84%	.0426 per pound
SCC	215,000	.38 per cwt

- a. \$20.99 b. \$22.32 c. \$21.82 d. \$20.09

Sire Evaluation Questions – 5 pts each

Refer to **Appendix B (April 2008 Genetic Evaluations for Type and Production)** to answer the following sire questions

61. Which sire has the most reliable data?
 a. Four Winds Magicman ET b. Sniders Loral Archie
 c. Jens Gold Fort Hudson d. Lantz Farm Sentry Visa
62. Which sire has strength and stature problems?
 a. Friendship Regal ET b. Lang haven Luxury Neon
 c. Manfred Maxie ET d. Sniders Ronald Alstar
63. If you wanted to improve feet and legs as well as mammary system, which sire would you choose?
 a. Jens Gold Fort Hudson b. Ripley Farms Hot Shot Bryant ET
 c. Manfred Maxie ET d. Coulee Crest R O Silverado ET
64. Jens Gold Fort Hudson is rated first because of what trait?
 a. Milk b. PTI c. Fat d. FLS
65. Which sire would probably give the most improvement in type?
 a. Sniders Option Aaron ET b. Pine Ridge Super Lux ET
 c. My Own Poker Bamboozle ET d. Trotacre Jay Mr Luck ET

Pedigree Questions – 5 pts each

Refer to **Appendix C (Heifer pedigrees)** to answer the following pedigree questions.

- #1 Lot 4 Heartland....**
#2 Lot 5 Bradys....
#3 Lot 8 Tenn...
#4 Lot 21 AHF...

66. What is the name of the paternal grandsire of heifer #4?
 a. Mason Lemvig jacinto ET b. ISDK Fyn Lemvig
 c. Mason Delco June d. BW Parade ET
67. Which heifer's dam has the poorest milk, protein and fat production records?
 a. 1 b. 2 c. 3 d. 4

68. Which two heifers have the same sire?

a. 1 & 2

b. 1 & 3

c. 3 & 4

d. 2 & 4

69. Which heifer's sire was not an embryo transfer?

a. 4

b. 3

c. 2

d. 1

70. Which heifer's dam had the highest milk production record as a 2 year old?

a. 4

b. 3

c. 2

d. 1

Pedigree Evaluation – 25 points

The pedigrees of four animals are listed on the following pages. Rank these animals based on their pedigrees and indicate your ranking on the answer sheet.

#1 Lot 4 Heartland...

#2 Lot 5 Bradys...

#3 Lot 8 Tenn...

#4 Lot 21 AHF...

Appendix A

HERD SUMMARY DHI-202

HERD CODE AND TYPE OF RECORD			SCHED. LING. DAY	DATE TESTED		
ST	CG	HERD NO.		MO.	DAY	YEAR
42	45	0087		7	25	08
DHIR-AP						

PAGE 1

OAK KNOB GUERNSEYS

3347 310TH AVE

1 CRESCO

IA 52000

REPRODUCTIVE SUMMARY OF CURRENT BREEDING HERD

BR. OF HERD	TOTAL COWS IN BREEDING HERD	COWS WITH NO SERVICE DATES OR DIAG. OPEN			COWS BRED BUT NOT DIAG. PREG.	DAYS TO 1ST SERVICE
	GU	38	OPEN VWP TO 100 DAYS	OPEN OVER 100 DAYS		
VOLUNTARY WAITING PERIOD (VWP)		NUMBER COWS	4	3		
60		% OF BREEDING HERD	11	8		
					DAYS OPEN AT LAST SERVICE	
					FEWER THAN VWP	VWP TO 100 DAYS
					2	6
					OPEN 101-125 DAYS	OPEN OVER 126 DAYS
					5	16
					5	55
					111	

PRODUCTION, INCOME, & FEED COST SUMMARY

DESCRIPTION	DAILY AVERAGE PER COW ON TEST DAY		ROLLING YEARLY HERD AVERAGES			
	NUMBER	%	NUMBER	%		
TOTAL COWS	100		113.9			
COWS IN MILK	86	86	99.0	87		
MILK LBS. (ALL COWS)	50.3		18,310			
FAT LBS. (ALL COWS)	2.18		819			
FAT PERCENT	4.3		4.5			
PROTEIN LBS. (ALL COWS)	1.66		626			
PROTEIN PERCENT	3.3		3.4			
MILK LBS. (MILKING COWS)	58.5					
	MILKING COWS	ALL COWS	LBS CONSUMED	%ENE		
SILAGE						
	LBS. CONSUMED		LBS CONSUMED	%ENE		
OTHER SUCCULENTS OR BLENDED RATIONS						
	LBS. CONSUMED		LBS CONSUMED	%ENE		
DRY FORAGE						
	LBS. CONSUMED		LBS CONSUMED	%ENE		
OTHER FEEDS						
	PASTURE (YES OR NO)		DAYS	%ENE		
PASTURE						
	LBS. CONSUMED		LBS CONSUMED	%ENE		
CONCENTRATES						
	LBS. CONSUMED		LBS CONSUMED	%ENE		
VALUE OF PRODUCT \$	12.69	10.92	4,129			
COST OF CONCENTRATES \$						
TOTAL FEED COST \$						
INCOME OVER FEED COST \$						
FEED COST PER CWT. MILK \$						
	PER CWT	%FAT	%PRDT	PER CWT	%FAT	%PRDT
MILK BLEND PRICE	21.25	4.1		21.61	4.1	1.7

REPRODUCTIVE SUMMARY OF TOTAL HERD

DAYS OPEN AT 1ST SERVICE	AVG. DAYS TO 1ST SERVICE	SERVICES PER PREGNANCY		PROJECTED MINIMUM		SERVICE OR HEAT INTERVALS		SERVICES FOR PAST 12 MONTHS				
		PREG. COWS	ALL COWS	CALVING INTERVAL	DAYS OPEN	INTERVAL	NUMBER	SERVICE NUMBER	% SUC-CESSFUL	SERVICE SIRE MERIT \$		
1ST LACT	3	13	5	96	2.8	3.5	15.0	176	1ST	92	33	+176
2ND LACT	4	20	7	99	3.0	4.8	15.0	175	2ND	59	17	
3+ LACTS	4	18	12	102	3.0	5.5	15.1	178	3RD+	158	23	+215
ALL LACTS	11	51	24	99	2.9	4.7	15.0	176	TOTAL	309	25	+202
% OF ALL 1ST SERVICES	13	59	28		CURRENT ACTUAL CALVING INTERVAL		14.5		ABORTIONS	THIS MONTH	PAST YEAR	
									ACTUAL			
									APPARENT	1	5	

BIRTH SUMMARY

DAM'S LACT NUM.	MALES		FEMALES		OFFSPRING BORN				
	ALIVE	DEAD	ALIVE	DEAD	CALVING DIFFICULTY SCORE				
					1	2	3	4&5	% 4+5
1	13		6						
2+	38	6	34	2					
TOTAL	51	6	40	2					

COWS TO BE MILKING, DRY, CALVING, BY MONTH

MONTH	AUG	SEP	OCT	NOV	DEC	JAN
* MILKING	78	80	78	75	76	73
DRY	20	16	16	17	14	15
COWS TO CALVE	6	9	8	8	9	7
HEIFERS TO CALVE		1		1		1

* ASSUMES 2.9% PER MONTH CULLING RATE.

YEARLY REPRODUCTIVE SUMMARY

DATE OF TEST	% HEATS OBS.	% SUCC-ESS-FUL	PREG RATE	NUMBER SERVICES	NUMBER CONFIRM PREG.	NUMBER CALVING	TOTAL PREGNANT COWS
MONTH DROPPED							
8-16-07	41	38	10	13	7	19	55
9-28-07	57	22	10	36	7	15	54
10-30-07	58	28	12	29	5	14	46
12-21-07	63	36	14	45	15	12	52
1-21-08	54	20	8	30	4	11	44
2-27-08	68	23	13	44	14	8	50
3-28-08	71	28	13	32	2	3	49
5-06-08	74	29	16	42	17	10	56
6-12-08	82	8		38	10	7	60
7-25-08	55			23	5	10	54
AVERAGES	62	25	12	33	9	11	52
TOTALS				332		109	

MISCELLANEOUS HERD INFORMATION

ASSOC.	445	SAMPLES RECV. AT LAB	7	DRPC MAILED	7
SUPV.	95	MO.	26	MO.	28
MILKING TIMES		WGH	SRL		
1ST OR PRIOR AT	10:00 PM	N	N		
2ND	9:30 AM	Y	Y		
3RD					
SHIPPED-TEST DAY COMPARISON	TEST DAY	YEARLY AVERAGE			
SUM OF TEST DAY WTS (LBS)	5029	5633			
REPORTED AV. DAILY MILK TANK WTS (LBS)	4676	5248			
% DEVIATION	+7.5	+7.3			

REMARKS:

Sire Selection Information

April 2008 Genetic Evaluations For Type

	# Dtr	REL	FLC	UDC	PTAT	ST	SR	BD	DF	RA	TW	RL	RV	FA	FU	RH	RW	UC	UD	TP	TL
014GU00297 JENS GOLD FORT HUDSON	27	70	3.4	-0.1	1.4	3.3	1.8	2.4	2.7	L 1.4	1.7	P 0.8	S 1.7	S 0.7	-1.3	1.2	1.9	1.5	D 1.4	W 0.4	1.3
007GU00395 SNIDERS OPTION AARON-ET	60	82	3.1	1.0	1.5	0.9	-0.1	-0.5	2.2	H 0.2	0.0	P 0.0	S 1.9	S 0.5	0.9	2.1	2.4	0.4	D 0.2	C 1.6	-0.3
001GU00418 IDLE GOLD E CHALLENGE-ET	24	71	2.2	1.8	1.4	0.7	0.0	-0.1	0.9	L 0.6	-0.2	P 1.0	S 1.1	S 0.3	2.6	2.4	1.6	0.4	S 2.1	C 0.5	-0.2
001GU00415 COULEE CREST LUXURY SPIDER-ET	32	76	0.4	1.2	1.3	5.5	1.8	2.2	3.1	L 1.1	1.9	S 0.2	S 0.3	S 0.1	0.8	3.0	2.0	-0.5	S 0.6	C 1.5	-2.0
001GU00424 MYOWN POKER BAMBOOZLE-ET	15	64	-0.4	-0.6	0.1	4.0	0.7	-0.2	2.0	L 2.1	1.0	P 0.5	H 0.1	L 0.3	-1.6	0.5	0.9	0.3	D 0.8	W 1.5	1.3
007GU00398 SNIDERS RONALDS ALSTAR	25	69	1.8	0.7	0.7	-2.0	-0.6	-1.2	0.6	H 1.3	-1.1	P 0.7	S 0.2	S 0.9	0.6	0.7	0.9	1.0	S 0.0	C 0.9	-0.4
007GU00381 LANG HAVEN LUXURY NEON	33	77	2.5	1.6	1.3	1.9	-0.6	0.0	2.1	H 0.4	0.2	P 1.4	S 1.0	S 0.5	1.0	2.9	1.7	0.5	S 1.2	C 1.2	-1.8
007GU00394 PENNY LANE ROYAL OAK TURLEY	36	75	1.9	1.2	1.4	3.0	1.1	1.1	1.9	H 0.2	0.6	S 0.4	S 0.8	S 0.7	0.9	1.3	1.0	1.2	S 1.6	C 0.0	-0.1
007GU00343 ROZELYN PATMAR JAY GLACIER-ET	298	92	0.5	1.2	1.0	1.1	0.7	0.2	0.6	H 1.3	0.5	P 0.4	S 0.7	L 0.4	0.8	1.4	1.6	0.2	S 1.3	C 1.3	-2.6
007GU00399 FLAMBEAU MANOR OPTION LUCAS-ET	25	68	0.8	0.3	0.7	2.3	0.2	0.7	2.6	L 3.8	1.0	P 0.7	S 0.9	L 0.4	-0.3	2.0	2.6	0.5	D 1.0	C 0.3	0.2
200GU00102 KNAPPS MR AMERICA-ET	42	80	0.9	1.5	1.4	3.0	0.0	0.1	1.4	L 1.5	0.0	P 0.9	S 0.2	S 0.2	0.9	1.6	1.3	1.1	S 1.3	C 1.2	-1.2
200GU00110 COULEE CREST R O SILVERADO-ET	84	71	3.7	1.4	2.4	3.1	2.5	2.6	2.2	L 0.4	2.3	P 0.8	S 2.0	S 0.6	1.3	2.5	2.8	1.2	S 0.2	C 1.2	2.3
007GU00385 PINE RIDGE SUPER LUX-ET	32	75	0.4	0.2	0.6	3.2	0.6	2.0	3.4	H 1.3	1.1	S 0.2	S 0.8	L 0.4	0.4	1.4	2.5	-0.8	D 1.0	C 1.3	-0.4
001GU00428 FLAMBEAU MANOR TILLER LES-ET	19	65	0.9	2.1	1.9	0.4	0.4	0.6	0.8	L 1.1	1.1	P 0.0	S 0.6	S 0.1	2.9	1.9	1.2	0.5	S 1.2	C 3.5	-0.7
200GU00108 COULEE CREST LUXURY SKIPPER-ET	17	68	0.4	1.9	1.6	1.5	-0.4	-0.1	1.9	L 1.5	0.0	P 1.4	S 0.4	L 0.4	1.2	3.1	1.8	0.6	S 1.1	C 2.6	-2.6
054GU00440 MARFRED MAXIE-ET	60	83	-0.9	1.3	1.0	2.3	0.2	0.8	2.1	L 2.3	0.5	S 0.2	H 0.9	S 0.2	0.5	0.9	1.2	2.4	S 0.9	C 0.3	-0.7
076GU00804 SNIDERS LORAL ARCHIE	9	53	1.3	1.4	1.6	3.7	2.2	1.9	0.7	L 0.9	2.3	S 0.1	S 0.4	S 0.6	2.5	1.9	1.1	-0.1	S 1.3	C 1.1	0.9
076GU00803 MARFRED MASTERPIECE	36	75	1.3	0.2	1.0	3.0	1.9	2.4	2.8	H 0.3	2.4	S 0.9	S 0.4	S 0.8	-0.9	1.8	2.6	1.8	D 1.4	W 0.8	0.7
029GU00944 TROTACRE JAY MR LUCK-ET	273	93	1.8	-1.6	-1.0	0.7	-0.7	0.1	2.0	H 0.1	0.0	P 2.3	S 1.1	L 0.3	-2.3	-0.8	0.8	-1.8	D 2.8	C 0.8	0.0
200GU00104 LANTZ FARM SENTRY VISA	116	80	0.3	0.2	0.9	4.1	-0.2	0.2	2.5	L 0.8	1.0	S 0.5	H 0.4	S 0.7	-0.6	0.8	1.2	0.2	D 0.4	C 1.1	1.4
014GU00291 RIPLEY FARMS HOT SHOT BRYANT-ET	34	77	-0.1	0.4	0.3	-0.3	0.0	-0.7	-0.2	H 1.6	-1.3	P 0.5	H 0.3	S 0.1	0.3	-0.8	-0.8	0.4	S 1.3	C 0.2	-1.0
072GU00120 FOUR WINDS MAGICMAN-ET	517	95	1.1	0.5	1.3	3.5	2.2	1.9	0.6	H 0.3	2.7	S 0.6	H 0.1	S 1.0	1.8	0.8	0.0	-0.7	S 1.9	W 1.3	1.2
076GU00800 OLD HOMESTEAD DIVIDEND	211	91	1.6	0.7	0.7	2.6	0.1	0.9	1.2	L 1.4	0.6	P 0.0	H 0.2	S 1.3	-0.1	0.8	0.5	1.0	S 0.7	C 0.6	1.0
049GU00109 FRIENDSHIP REGAL-ET	24	72	1.4	2.0	1.4	1.2	0.7	0.2	0.2	L 0.0	0.5	P 0.4	S 0.2	S 0.7	2.2	1.2	1.1	1.4	S 1.9	C 2.1	-0.1

Sire Summary Information

April 2008 Genetic Evaluations For Production

Reg #	NAAB #	Name	Herds	Dtrs.	REL	Milk	% Fat	% Prot	NM\$	CM\$	DPR	REL	SCS	REL	Yield Deviation					
															Milk	Fat	Prot	PTI		
604713	<u>014GU00297</u>	<u>JENS GOLD FORT HUDSON</u>	31	43	78	1452	-0.12	42	-0.04	40	229	219	-0.5	43	3.08	61	1649	48	47	181
604670	<u>007GU00395</u>	<u>SNIDERS OPTION AARON-ET</u>	57	86	86	659	0.15	55	-0.01	19	240	238	-1.4	48	2.86	69	826	63	25	165
604268	<u>001GU00418</u>	<u>IDLE GOLD E CHALLENGE-ET</u>	14	26	75	180	0.17	36	0.08	20	367	399	0.2	39	2.75	58	62	42	19	162
604229	<u>001GU00415</u>	<u>COULEE CREST LUXURY SPIDER-ET</u>	30	52	82	906	0.02	43	0.03	34	137	151	-1.3	49	3.07	67	890	44	38	142
604587	<u>001GU00424</u>	<u>MYOWN POKER BAMBOOZLE-ET</u>	16	23	70	785	0.12	55	0.06	36	257	283	-0.5	43	2.76	55	877	73	44	133
604761	<u>007GU00398</u>	<u>SNIDERS RONALDS ALSTAR</u>	25	34	74	709	0.04	38	-0.05	15	327	312	1.7	41	3.04	57	784	38	16	126
604188	<u>007GU00381</u>	<u>LANG HAVEN LUXURY NEON</u>	28	47	81	1038	-0.14	21	-0.07	21	186	162	0.5	46	3.24	65	1033	19	19	121
604633	<u>007GU00394</u>	<u>PENNY LANE ROYAL OAK TURLEY</u>	32	42	77	614	0.00	27	0.03	26	86	102	-2.3	42	3.28	60	532	25	28	121
602961	<u>007GU00343</u>	<u>ROZELYN PATMAR JAY GLACIER-ET</u>	165	473	95	-31	0.22	35	0.10	15	267	301	0.9	80	2.96	91	154	41	20	119
604823	<u>007GU00399</u>	<u>FLAMBEAU MANOR OPTION LUCAS-ET</u>	17	30	71	976	-0.05	35	0.01	34	112	121	-2.5	34	2.89	54	1320	39	43	115
603603	<u>200GU00102</u>	<u>KNAPPS MR AMERICA-ET</u>	23	55	80	761	0.00	34	-0.06	15	175	157	-0.5	51	2.88	64	905	38	19	113
604520	<u>200GU00110</u>	<u>COULEE CREST R O SILVERADO-ET</u>	64	136	88	-60	0.17	26	0.01	-1	-2	-1	-3.5	45	2.77	77	-44	25	-1	111
604313	<u>007GU00385</u>	<u>PINE RIDGE SUPER LUX-ET</u>	27	36	78	880	0.01	41	-0.01	27	121	120	0.0	46	3.16	62	954	46	30	107
604826	<u>001GU00428</u>	<u>FLAMBEAU MANOR TILLER LES-ET</u>	25	45	76	158	0.17	35	-0.01	4	99	97	-1.8	41	3.09	59	-48	32	3	102
604230	<u>200GU00108</u>	<u>COULEE CREST LUXURY SKIPPER-ET</u>	13	20	71	786	-0.05	25	-0.05	16	120	103	-0.9	42	3.14	56	671	19	11	98
603635	054GU00440	<u>MARFRED MAXIE-ET</u>	32	69	85	982	-0.07	32	-0.06	22	110	92	-3.2	52	2.91	70	1124	37	27	91
604762	076GU00804	<u>SNIDERS LORAL ARCHIE</u>	17	28	67	-55	0.15	22	0.08	11	1	28	-1.0	35	3.29	49	-235	22	14	87
604451	<u>076GU00803</u>	<u>MARFRED MASTERPIECE</u>	33	60	81	1006	-0.09	28	-0.04	25	-67	-80	-2.6	45	3.20	64	1102	31	28	84
602750	029GU00944	<u>TROTACRE JAY MR LUCK-ET</u>	169	537	96	1109	-0.16	20	-0.02	34	136	135	-0.1	84	3.17	93	1019	18	33	72
603721	200GU00104	<u>LANTZ FARM SENTRY VISA</u>	67	155	90	841	-0.08	23	-0.04	21	-66	-77	-2.0	68	3.48	84	1103	32	28	56
604274	<u>014GU00291</u>	<u>RIPLEY FARMS HOT SHOT BRYANT-ET</u>	32	51	83	131	-0.03	1	0.03	10	216	229	1.0	54	2.72	69	-35	-5	7	51
602265	<u>072GU00120</u>	<u>FOUR WINDS MAGICMAN-ET</u>	294	836	97	-131	0.08	7	0.03	0	-30	-21	-1.8	85	2.96	94	-54	12	4	43
601562	<u>076GU00800</u>	<u>OLD HOMESTEAD DIVIDEND</u>	145	323	94	423	-0.12	-1	-0.08	1	-40	-66	-1.9	73	3.02	88	455	0	2	26
604273	049GU00109	<u>FRIENDSHIP REGAL-ET</u>	2	27	59	-464	0.08	-7	0.01	-13	-63	-61	-1.3	36	3.04	48	-480	-6	-11	17

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LOT 4 HEARTLAND MILITIA JULES USA 067191730

BORN 12/22/2007 TATTOO / 1730 P9
FEMALE EFI 7.2% AMERICAN ID 1730 / 1730

PA 897M 60F 37P 400CM\$ 379NM\$ 343FM\$
2.4PL 0.5PR 3.01SCS
PA TYPE 1.0 JPI 188
ST SR DF RA TW RL FA
2.2 0.7 1.5 L0.4 0.7 P0.3 S0.8
FU RH RW UC UD TP TL
-0.1 1.0 1.0 0.8 S0.3 W0.2 L0.4

SELLING OPEN

SIRE:
SUNSET CANYON RP MILITIA-ET
USA 111953541 200JE990
USDA 04/01/2008 34DAUS 12HRDS 9%RIP
76%R 590M 0.26% 75F 93%ILE
76%R 0.11% 42P 523CM\$ 471NM\$ 384FM\$
3.7PL 1.0DPR 3.15SCS
AJCA 04/01/2008 32DAUS
JPI 72%R 232 PTAT 77%R 1.0

DAM:
HEARTLAND BARKLY JOLLY

USA 067001046 TATTOO / 1046
DHIA HERD # 48-89-0168 CONTROL # 1046
1-09 305 3 20470 4.2 850 3.2 660 92DCR 2270C
2-09 301 3 23360 4.8 1120 3.5 828 90DCR 2862C
3-08 305 3 28000 4.6 1286 3.6 1010 93DCR 3457C
305 2X ME AVG 3L 23779M 1047F 812P 2778C

2-00 84% 3-03 84%
ST SR DF RA TW RL FA FU RH RW UC UD TP TL
37 30 32 22 34 23 35 28 34 22 18 35 27

PPA 3672M 130F 96P / YD 2862M 106F 79P
USDA PTA 04/01/2008 4RECS 58%R 93%ILE
1203M 44F 32P 276CM\$ 287NM\$ 301FM\$
1.1PL 0.0PR 2.86SCS
AJCA 04/01/2008 PTAT 51%R 0.9 JPI 53%R 144

SISTER(S):
HEARTLAND RASMUS JUDY 85%

HEARTLAND JERSEYS BREEDER & OWNER
SENECA, KS
785-336-2581

ROCK ELLA PERIMITER-ET
JECAN000000139475 71JE162
USDA 04/01/2008 10355DAUS 2262HRDS 15%RIP
99%R 24M 0.19% 35F 43%ILE
99%R 0.15% 28P 338CM\$ 278NM\$ 180FM\$
2.2PL 1.7DPR 3.12SCS
AJCA 04/01/2008 3665DAUS
JPI 98%R 136 PTAT 98%R 0.6

TENN HAUG E MAID 93%

USA 003775503 TATTOO L5 / L5
DHIA HERD # 92-23-0452 CONTROL # 1
4-00 303 2 13910 6.9 963 4.7 652 DHIR 2127C
5-00 276 2 16570 7.3 1208 4.5 740 DHIR 2413C
6-00 305 2 22500 7.0 1576 4.2 945 DHIR 3079C
365 2 26014 7.0 1820 4.3 1107 DHIR 3605C
305 2X ME AVG 5L 19389M 1295F 837P 2728C
PPA 500M 237F 83P / YD -186M 193F 54P
USDA PTA 04/01/2008 5RECS 93%R 99%ILE
-118M 91F 22P 484CM\$ 429NM\$ 338FM\$
3.9PL 0.1PR 3.08SCS
AJCA 04/01/2008 PTAT 91%R 0.5 JPI 91%R 182

LONG DISTANCE BARBER BARKLY
USA 000665195 7JE488
USDA 04/01/2008 2657DAUS 597HRDS 6%RIP
99%R 1263M -0.13% 33F 18%ILE
99%R -0.10% 25P 155CM\$ 186NM\$ 231FM\$
-0.3PL 0.2DPR 3.01SCS
AJCA 04/01/2008 1808DAUS
JPI 98%R 104 PTAT 99%R 0.8

HEARTLAND PARAGON JUDITH 80%

USA 112098162 TATTOO H804 / H804
DHIA HERD # 48-89-0168 CONTROL # 804
2-00 305 3 18110 4.5 811 3.3 591 93DCR 2040C
3-07 305 3 20690 4.5 923 3.7 763 93DCR 2536C
4-08 305 3 24830 5.0 1247 3.6 892 91DCR 3084C
5-08 288 3 21000 4.6 958 3.7 787 93DCR 2625C
305 2X ME AVG 4L 19429M 888F 689P 2331C
PPA 1997M 87F 65P / YD 1789M 89F 63P
USDA PTA 04/01/2008 5RECS 62%R 84%ILE
709M 40F 26P 234CM\$ 225NM\$ 208FM\$
1.0PL -0.6PR 2.80SCS
AJCA 04/01/2008 PTAT 53%R 0.2 JPI 56%R 102
SIRE: H&B ALF PARAGON-ET JPI 70 18%ILE

SISTER(S):
HEARTLAND PARADE JULEP 83%
3-08 305 3 24770 5.3 1321 3.8 952 91DCR 3295C

NEXT DAM:
HEARTLAND MONTANA JEWEL 78%
5-06 305 3 27860 5.3 1469 3.4 939 92DCR 3244C
SIRE: ROCK MAPLE BROOK MONTANA-ET JPI 66 11%ILE

4TH DAM:
HEARTLAND CAPTAIN JOLLY

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LOT 5 BRADYS IMPULS J743 USA 115873641

BORN 12/19/2007 TATTOO J743 / J743 P9
 FEMALE EFI 4.7%
 PA 604M 55F 35P 388CM\$ 353NM\$ 293FM\$
 2.2PL 0.2PR 2.94SCS
 PA TYPE 0.8 JPI 171
 ST SR DF RA TW RL FA
 1.1 0.4 0.7 L0.2 0.6 P0.2 S0.5
 FU RH RW UC UD TP TL
 0.3 0.7 0.1 0.1 S0.2 C0.2 S0.3

BRADY, JOHNNY BREEDER & OWNER
 RICEVILLE, TN
 423-336-2592

ISDK SKAE IDE
 JEDNK00000049522
 USDA 04/01/2008 811DAUS 404HRDS
 86%R 973M 0.11% 66F 92%ILE
 86%R 0.07% 48P 496CM\$ 456NM\$ 389FM\$
 2.4PL 0.7DPR 2.91SCS
 AJCA 04/01/2008 183DAUS
 JPI 78%R 223 PTAT 61%R 0.6

SELLING OPEN

SIRE:
 ISDK Q IMPULS
 JEDNK000000301592 236JE3
 USDA 04/01/2008 6688DAUS 971HRDS 43%RIP
 98%R 760M 0.26% 83F 98%ILE
 98%R 0.16% 56P 592CM\$ 522NM\$ 404FM\$
 2.7PL 0.7DPR 3.04SCS
 AJCA 04/01/2008 2773DAUS
 JPI 95%R 268 PTAT 97%R 1.0

DNK 25490 01966
 JEDNK002549001966
 USDA PTA 04/01/2008 ORECS 71%R 99%ILE
 -234M 81F 24P 452CM\$ 384NM\$ 274FM\$
 1.5PL 1.4PR 2.82SCS

ROCK MAPLE BROOK MONTANA-ET
 USA 000658741 29JE3075
 USDA 04/01/2008 6927DAUS 1511HRDS 4%RIP
 99%R 958M -0.01% 41F 11%ILE
 99%R -0.09% 17P 68CM\$ 95NM\$ 136FM\$
 -1.6PL -1.2DPR 2.94SCS
 AJCA 04/01/2008 3338DAUS
 JPI 99%R 66 PTAT 99%R 1.1

DAM:
 BRADYS MONTANA J019

BRADYS VIEW B818 88%

USA 111649598 TATTOO J019 / J019
 DHIA HERD # 63-23-0056 CONTROL # 19
 2-00 305 2 13205 4.4 578 3.3 439 DHIA 1516C
 3-01 305 2 14709 4.8 700 3.5 522 DHIA 1805C
 4-04 305 2 16237 4.9 796 3.6 591 DHIA 2044C
 6-02 305 2 19980 5.0 990 3.5 705 95DCR 2437C
 7-04 153 2 9702 4.9 477 3.5 344 RIP
 305 2X ME AVG 1L 19325M 954F 677P 2340C

USA 110588696 TATTOO B818 / B818
 DHIA HERD # 63-23-0056 CONTROL # 818
 1-11 305 2 11130 4.2 468 3.5 394 94DCR 1295C
 3-01 305 2 14620 5.0 726 3.8 557 93DCR 1927C
 4-03 305 2 16170 5.2 844 3.6 586 88DCR 2026C
 5-03 305 2 14450 4.4 638 3.8 546 95DCR 1779C
 8-03 305 2 16630 5.0 831 3.8 631 95DCR 2183C
 305 2X ME AVG 5L 15669M 736F 576P 1945C
 PPA -649M -8F 6P / YD -5M 18F 21P
 USDA PTA 04/01/2008 5RECS 64%R 89%ILE
 109M 12F 12P 272CM\$ 253NM\$ 222FM\$
 4.0PL 0.7PR 2.68SCS
 AJCA 04/01/2008 PTAT 54%R -0.3 JPI 58%R 79
 SIRE: DAR VIEW SKY LINE FROSTY JPI 50 14%ILE

2-04 78% 4-01 84% 7-00 88%
 ST SR DF RA TW RL FA FU RH RW UC UD TP TL
 37 35 43 26 34 35 23 38 39 35 26 17 34 35

PPA 904M 66F 31P / YD 750M 54F 28P
 USDA PTA 04/01/2008 5RECS 58%R 74%ILE
 448M 27F 14P 184CM\$ 184NM\$ 181FM\$
 1.7PL -0.4PR 2.84SCS
 AJCA 04/01/2008 PTAT 51%R 0.5 JPI 53%R 73

NEXT DAM:
 BRADYS ADONIS 629 79%
 3-01 305 2 15840 4.6 734 3.6 564 94DCR 1833C
 SIRE: COMFORT PAL ADONIS-ET JPI -29 1%ILE

SISTER(S):
 BRADYS MAXIMUS J240 88%
 RANKS 263RD IN THE NATION FOR JPI
 BRADYS BUNGY J557 84%

4TH DAM:
 BRADYS BARON HEATHER ONE 83%
 6-04 305 2 16450 4.1 679 3.3 551 94DCR 1789C

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LOT 8 TENN JACINTO FEO MAID-ET USA 115882302

BORN 11/24/2007 TATTOO L650 / L650 P9
 FEMALE EFI 7.9%
 PA 850M 55F 36P 411CM\$ 391NM\$ 355FM\$
 2.8PL -0.4PR 2.96SCS
 PA TYPE 1.7 JPI 195
 ST SR DF RA TW RL FA
 -0.5 0.2 1.7 HO.3 0.1 PO.1 SO.4
 FU RH RW UC UD TP TL
 1.7 1.9 1.7 0.1 SO.9 C1.4 S1.3

UNIVERSITY OF TENNESSEE DAIRY BREEDER & OWNER
 LEWISBURG, TN
 931-270-2240

ISDK FYN LEMVIG
 JEDNK00000300003 164JE1
 USDA 04/01/2008 27012DAUS 2503HRDS 6%RIP
 99%R 65M 0.31% 59F 34%ILE
 99%R 0.12% 25P 307CM\$ 257NM\$ 177FM\$
 1.1PL -2.0DPR 2.96SCS
 AJCA 04/01/2008 7695DAUS
 JPI 98%R 133 PTAT 99%R 0.6

SELLING OPEN

MASON DECL0 JUNE 92%

SISTER(S):
 TENN JACE CAF MAID 79%
 2-00 305 2 15050 5.9 884 3.8 579 95DCR 2004C
 RANKS ON THE TOP 1-1/2% LIST FOR JPI
 TENN SABER DCH MAID 86%
 PROJECTED TO 16,514M, 953F, 606P ME AT 1-11

USA 003955493 TATTOO / M612
 DHIA HERD # 82-52-0260 CONTROL # 612
 2-03 305 2 24150 4.2 1025 4.0 959 DHIR 2894C
 3-08 305 2 21190 4.2 897 3.7 793 99DCR 2469C
 305 2X ME AVG 2L 25207M 1056F 982P 2972C
 PPA 4789M 153F 187P / YD 3965M 112F 154P
 USDA PTA 04/01/2008 2RECS 82%R 97%ILE
 1079M 11F 38P 339CM\$ 328NM\$ 307FM\$
 3.4PL 1.0PR 3.00SCS
 AJCA 04/01/2008 PTAT 78%R 1.7 JPI 78%R 182

SIRE:
 MASON LEMVIG JACINTO-ET
 USA 112037374 507JE667
 USDA 04/01/2008 121DAUS 51HRDS 9%RIP
 90%R 745M 0.10% 53F 82%ILE
 90%R 0.07% 40P 421CM\$ 384NM\$ 321FM\$
 2.8PL -0.5DPR 3.10SCS
 AJCA 04/01/2008 73DAUS
 JPI 84%R 207 PTAT 85%R 1.8

LONG DISTANCE BARBER BARKLY
 USA 000665195 7JE488
 USDA 04/01/2008 2657DAUS 597HRDS 6%RIP
 99%R 1263M -0.13% 33F 18%ILE
 99%R -0.10% 25P 155CM\$ 186NM\$ 231FM\$
 -0.3PL 0.2DPR 3.01SCS
 AJCA 04/01/2008 1808DAUS
 JPI 98%R 104 PTAT 99%R 0.8

DAM:
 TENN BARKLY ADH MAID

TENN AVERY HBH MAID 83%

USA 113057773 TATTOO L148 / L148
 DHIA HERD # 63-32-0027 CONTROL # 5148
 1-09 305 2 17670 6.2 1092 3.7 658 95DCR 2276C
 2-10 305 2 19940 6.1 1225 4.0 789 92DCR 2731C
 4-00 305 2 23240 7.0 1616 3.6 828 94DCR 2862C
 5-03 77 2 7219 7.1 515 3.3 240 RIP
 19430 1308 662 PME
 305 2X ME AVG 3L 24114M 1501F 892P 3085C
 1-10 83% 3-01 88% 3-08 90%
 ST SR DF RA TW RL FA FU RH RW UC UD TP TL
 25 36 40 17 32 25 27 36 33 37 30 35 30 23

USA 111346299 TATTOO L828 / L828
 DHIA HERD # 63-32-0027 CONTROL # 4828
 1-10 305 2 13920 6.1 849 3.7 519 95DCR 1795C
 2-11 305 2 16820 6.2 1045 3.8 632 94DCR 2186C
 305 2X ME AVG 2L 19232M 1146F 713P 2466C
 PPA 866M 106F 39P / YD 812M 107F 38P
 USDA PTA 04/01/2008 2RECS 59%R 96%ILE
 307M 42F 16P 333CM\$ 319NM\$ 295FM\$
 3.9PL -0.4PR 2.82SCS
 AJCA 04/01/2008 PTAT 54%R 1.1 JPI 54%R 126
 SIRE: BANCREST LESTER AVERY JPI 90 31%ILE

PPA 2742M 190F 107P / YD 2527M 161F 91P
 USDA PTA 04/01/2008 3RECS 61%R 99%ILE
 954M 57F 31P 401CM\$ 398NM\$ 389FM\$
 2.8PL -0.3PR 2.82SCS
 AJCA 04/01/2008 PTAT 56%R 1.5 JPI 56%R 182
 RANKS ON THE TOP 1-1/2% LIST FOR JPI

NEXT DAM:
 TENN SELECT DGH MAID 77%
 5-10 305 2 17680 6.9 1214 4.1 723 94DCR 2504C
 SIRE: ALTHEAS SELECT-ET JPI 15 5%ILE

4TH DAM:
 TENN SOONER EI MAID 77%
 6-07 304 2 19850 6.2 1223 3.9 770 93DCR 2506C

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< PREVIOUS

LOT 21 AHF JACINTO JOSIE USA 067059607

BORN 08/27/2007 P9
 FEMALE EFI 7.2% AMERICAN ID 607 / 607

PA 459M 37F 27P 345CM\$ 318NM\$ 273FM\$
 3.1PL 0.4PR 3.00SCS
 PA TYPE 1.2 JPI 154
 ST SR DF RA TW RL FA
 -0.5 0.1 0.9 L0.2 0.1 P0.1 S0.4
 FU RH RW UC UD TP TL
 1.3 1.2 1.0 0.1 S1.0 C1.4 S0.9

SELLING OPEN

SISTER(S):
 AHF LEGION JUNE 86%
 2-00 305 3 15880 6.2 983 4.0 637 103DCR 2206C

SIRE:
 MASON LEMVIG JACINTO-ET
 USA 112037374 507JE667
 USDA 04/01/2008 121DAUS 51HRDS 9%RIP
 90%R 745M 0.10% 53F 82%ILE
 90%R 0.07% 40P 421CM\$ 384NM\$ 321FM\$
 2.8PL -0.5DPR 3.10SCS
 AJCA 04/01/2008 73DAUS
 JPI 84%R 207 PTAT 85%R 1.8

DAM:
 AHF PARADE JUNE

USA 051726881 TATTOO A160 / A160
 DHIA HERD # 55-79-0122 CONTROL # 160
 2-00 305 3 13050 5.0 646 4.0 516 81DCR 1751C
 3-00 303 3 17960 6.1 1093 3.8 685 93DCR V 2370C
 3-11 277 3 15040 5.5 828 4.2 632 102DCR 2189C
 305 2X ME AVG 3L 15949M 858F 628P 2150C

2-07 80% 3-01 81%
 ST SR DF RA TW RL FA FU RH RW UC UD TP TL
 25 25 34 32 28 32 30 33 28 33 26 24 23 23

PPA 146M 43F 20P / YD 0M 26F 15P
 USDA PTA 04/01/2008 4RECS 59%R 89%ILE
 173M 20F 13P 269CM\$ 252NM\$ 225FM\$
 3.3PL 1.2PR 2.90SCS
 AJCA 04/01/2008 PTAT 51%R 0.5 JPI 53%R 100

HOFFNER, LONNIE F BREEDER & OWNER
 MOORESVILLE, NC
 704-857-5586

ISDK FYN LEMVIG
 JEDNK00000300003 164JE1
 USDA 04/01/2008 27012DAUS 2503HRDS 6%RIP
 99%R 65M 0.31% 59F 34%ILE
 99%R 0.12% 25P 307CM\$ 257NM\$ 177FM\$
 1.1PL -2.0DPR 2.96SCS
 AJCA 04/01/2008 7695DAUS
 JPI 98%R 133 PTAT 99%R 0.6

MASON DECL0 JUNE 92%

USA 003955493 TATTOO / M612
 DHIA HERD # 82-52-0260 CONTROL # 612
 2-03 305 2 24150 4.2 1025 4.0 959 DHIR 2894C
 3-08 305 2 21190 4.2 897 3.7 793 99DCR 2469C
 305 2X ME AVG 2L 25207M 1056F 982P 2972C
 PPA 4789M 153F 187P / YD 3965M 112F 154P
 USDA PTA 04/01/2008 2RECS 82%R 97%ILE
 1079M 11F 38P 339CM\$ 328NM\$ 307FM\$
 3.4PL 1.0PR 3.00SCS
 AJCA 04/01/2008 PTAT 78%R 1.7 JPI 78%R 182

BW PARADE-ET
 USA 000665185 7JE472
 USDA 04/01/2008 2218DAUS 456HRDS 12%RIP
 99%R 695M -0.03% 27F 40%ILE
 99%R 0.06% 35P 302CM\$ 272NM\$ 221FM\$
 2.7PL 0.1DPR 3.00SCS
 AJCA 04/01/2008 844DAUS
 JPI 98%R 146 PTAT 98%R 1.3

BLACKSTONE ZACK JUNE 89%

USA 110379179 TATTOO J300 / J300
 DHIA HERD # 55-79-0122 CONTROL # 1300
 1-09 280 2 13060 4.8 629 3.6 475 94DCR 1544C
 2-08 268 2 14160 5.4 759 3.8 541 86DCR 1872C
 4-06 292 2 19630 5.5 1070 3.8 742 94DCR 2567C
 5-05 305 2 20640 4.9 1015 3.8 786 93DCR 2715C
 305 2X ME AVG 4L 20098M 1015F 750P 2560C
 PPA 1127M 119F 59P / YD 409M 64F 25P
 USDA PTA 04/01/2008 5RECS 61%R 78%ILE
 -52M 15F 1P 203CM\$ 198NM\$ 188FM\$
 2.5PL 2.0PR 2.85SCS
 AJCA 04/01/2008 PTAT 50%R -0.3 JPI 53%R 59
 SIRE: SCHULTZ ZEV ZACK-ET JPI -68 1%ILE

NEXT DAM:
 BLACKSTONE SOONER BRASS JUNE
 SIRE: SOLDIERBOY BOOMER SOONER OF CJF JPI -23 1%ILE

4TH DAM:
 TOP FASCINATORS JUNE

2008 Iowa FFA Dairy Cattle Production & Management Test Answer Sheet

General

(2 points each)

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

DHIA

(5 points each)

51. A
52. B
53. A
54. A
55. D

Dairy Management Problems

(5 points each)

56. D
57. A
58. A
59. B
60. A

Sire Summary

(5 points each)

61. A
62. D
63. D
64. B
65. A

Pedigree Evaluation

(5 points each)

66. B
67. B
68. C
69. C
70. D

Pedigree Placing

(25 points)

3 1 2 4 **cuts 3-6-5**

Reasons:

- | | |
|----------|---|
| 3 | High Heifer JPI
Highest type
High NM\$
Strong dam numbers |
| 1 | Second High JPI
Second High NM\$
Second high dam & sire |
| 2 | Third High JPI
Third high NM \$
Strong sire numbers
Weaker dam |
| 4 | Fourth High JPI
Fourth high NM\$ |