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## Heifer Development Centre Report

**201474 Cadillac Stock Farms Heifers**

**( End of Test )**

Test Date: **20 Mar 2014** Days on Test:**181**

Centre Manager: **ROBERT PERRATT**

Start of Test Date: **20 Sep 2013**

Phone #: **705-273-2206**

End of Test Date: **20 Mar 2014**

E Mail: **bobperratt@ntl.sympatico.ca**

Pick Up Date:

Address: **P.O. BOX 26,1881 HWY 101 EAST , MATHESON , ON , P0K 1N0**

Ration Statement:

- Note:**
- 1. Check the information on your HEIFER(s) to ensure the pedigree, birth date, tattoo, and weaning data is complete and accurate.**
  - 2. For best results clients need to submit complete herd data with complete weaning weights on all their calves to our Herd Evaluation Service or bioTrack. If no data is submitted to BIO, then the calves in the heifer evaluation centre will be regarded as UNOFFICIAL. Unofficial calves will not receive genetic evaluations, BIO Economic Indexes nor certificates.**
  - 3. Give the office a call for worksheets or instructions on using bioTrack (on-line entry) to submit your herd data.**

# ***A Guide to BIO's Bull and Heifer Evaluation Reports and BIO's Genetic Evaluations***

## **Report Features**

- ♦ Objectively Compare all animals using our across breed comparisons -ABCs - Allows you to compare all the bulls in the group for their genetics, regardless of their breed. Bulls are listed on the report by the tag number.
- ♦ Quickly know where an animal ranks for a trait using the percentile ranking. Our percentile rankings range from 1 (lowest) to 99 (highest) tells you how an animal ranks for the trait you're looking at. All animals are ranked for each trait! The rankings compare all animals evaluated over the past 3 years for that trait.
  - Across breed Percentiles (%AB) allow you to compare purebred, crossbred, and composite animals across breeds.
  - Within breed Percentiles (%WB) allow you to compare purebred animals within its breed.
  - Example: A bull or heifer that has a percentile of 99 (99<sup>th</sup> percentile) is in the top 1% of all animals evaluated for that trait or index; a bull in the 80<sup>th</sup> percentile is in the top 20%, etc.
- ♦ Most current genetic evaluations - The Herd Recording traits (CE, BW, WG, MILK) are updated on the 84-day and End-of-test reports, to reflect the added information of weights taken on test. The End-of-test evaluations use the animal's on-test performance and all related performance data in the database to calculate the ABC and are therefore the most current evaluations in the industry.

## **Features of BIO's Genetic Evaluations (ABCs) and Economic Indexes**

- ♦ Genetic Evaluations - the most accurate method to express genetic ability of an animal. They are adjusted for environment and can be used to compare animals across herds and evaluation centres.
- ♦ ABC - Across Breed EPD or Comparison - Estimate of how future progeny of an animal are expected to perform in each of the traits. Comparisons can be made within breeds and across breeds. For example, a bull or heifer with a Yearling Gain ABC of +85 will produce progeny that are on average 50 pounds heavier than progeny from a bull with a Yearling Gain ABC of +35.
- ♦ Accuracy - Measure of the amount of information used to calculate the ABC. Ranges from 1 (least) to 99 (most). Evaluations based on pedigree information only are noted as 'PE' (pedigree estimate).
- ♦ BIO\$: This is an index that considers several traits in determining better bulls when mated to average cows and is aiming at efficient lean meat production for a market focused on AA carcasses between 775 and 900 pounds. Use the BIO\$ index to identify top prospect bulls and then look at specific ABC's within that group for traits that you value in your operation.
- ♦ ABCs (Across Breed EPDs) for all animals evaluated by BIO are on a fixed base. The base is a multi-breed average of animals born 1995-1998:

<b>Trait</b>	<b>CE</b>	<b>BW</b>	<b>WG</b>	<b>MILK</b>	<b>PWG</b>	<b>YG</b>	<b>FAT</b>	<b>REA</b>	<b>%IMF</b>	<b>SC</b>	<b>BIO\$</b>
<b>Base</b>	0	0	+30	+15	+20	+50	0	0	0	0	+2000

## Report Definitions and Legend

### Herd Measurements (BIO believes in Whole Herd Recording)

**CE - Calving Ease** - The ease or difficulty with which the animal was born. The categories are unassisted (U), easy pull (E), hard pull (H), surgical (S) or malpresentation (M).

**BW - Birth weight (lbs)** of the animal.

**AWW - Adjusted Weaning Weight (lbs)** - The on-farm weaning weight of the animal adjusted to 200 days of age. Adjustments are made for age of dam and sex of calf.

**WI - Weaning Index** - Within-herd index based on adjusted weaning weight. Use to compare calves in the same pre-weaning management group. A minimum of five calves in a management group is required to receive an index. ET indicates an embryo transplant calf.

### Test Evaluation Measurements (based on the animal's performance in the evaluation centre)

**SOT - Start of Test Weight (lbs)**

**EOT - End of Test Weight (lbs)**

**ADG - Average Daily Gain (lbs/day)** - The regressed average daily gain during the animal evaluation period. All monthly weighings are used in determining the adg.

**WPDA - Weight Per Day of Age (lbs/day)** - Weight taken at weigh period divided by days of age and includes birth weight.

**HH - Hip Height (inches)** - Height of the animal over the hip bones at EOT.

**FRAME - Frame Score** - A 1 to 10 scale calculated using hip height and age, according to Beef Improvement Federation guidelines.

**FAT - Backfat (mm)** - Measured ultrasonically between the 12th and 13th ribs (grading site) at the end of the test.

**REA & AdjREA - Rib Eye Area (square inches)** - Measured ultrasonically between the 12th and 13th ribs (grading site) at the end of the test. The AdjREA is adjusted to 365 days of age.

**%IMF & Adj%IMF - Percent Intramuscular Fat (Marbling)** - Measured ultrasonically between the 12th and 13th ribs (grading site) at the end of test. NR indicates the animal had too little %IMF to measure. Adj %IMF is adjusted to 365 days.

**GRADE - %IMF expressed as marbling grade (A, AA or AAA)** - PD indicates practically devoid, which is less than 1.86 %IMF. Animals near the border of a category are shown as a combination of the two categories (i.e. A-AA).

**SC & AdjSC - Scrotal Circumference (cm)** - End of test measure of scrotal circumference. Indication of the semen producing ability of the bull. 'ABN' indicates abnormal testicles (size, shape, injury) and no measurement is taken. AdjSC is adjusted Scrotal circumference and is adjusted to one year of age.

### Genetic Evaluations - Across Breed EPDS (ABCs)

**CE - Calving Ease ABC** - is a genetic prediction of the increase (+) or decrease (-) in percent unassisted calvings if the bull is mated with heifers that are an average size and have average calving ability.

**BW - Birth Weight ABC ( lbs)** - The effect the animal will have on the birth weight of their calves.

**WG - Weaning Gain ABC (lbs)** - The ability of the animal's calves to grow from birth to weaning.

**MILK - Milk/ Mothering ability ABC (lbs of calf at weaning)** - The ability of a animal's daughters to provide their calves with milk and mothering ability.

**PWG - Post-Weaning Gain ABC (lbs)** - Indicates the ability of an animal's calves to grow from weaning to yearling.

**YG - Yearling Gain ABC (lbs)** - Indicates the ability of a animal's calves to grow from birth to yearling.

**FAT - Backfat thickness ABC (mm)** - The ability of a animal's progeny to deposit backfat (finishing ability), adjusted to a common age.

**REA - Rib Eye Area ABC (square inches)** - Predictor of the differences in progeny ribeye area (muscling), adjusted to a common age.

**%IMF - Intramuscular Fat ABC (Marbling)** - The ability of a animal's progeny to deposit marbling fat, adjusted to a common age.

**SC - Scrotal Circumference ABC (cm)** - Indicates the ability of a bull to transmit scrotal size to male progeny. It is a partial indicator of daughter's age at puberty.

# Heifer Development EOT Report

## 201474 Cadillac Stock Farms Heifers



Genetic Evaluations (26 Mar 2014)

Tag **0301** Pen      Tattoo **CATT 301A**  
 Contact **ROBERT PERRATT - CADILLAC STOCK FARMS**  
 HC/Breed **P ANGUS**      **705-273-2206**  
 Birthdate **08Feb2013**      Colour **BLACK**  
 SireSire **CONNEALY WRANGLER**  
 Sire **CONNEALY IRISH 0204**  
 Dam **CATTLELAC GLORIA 101Y**  
 DamSire **S A V PIONEER 7301**

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF
%ab	97	97	98	84	98	99	98	20	75
ABC Acc	7 <sup>23</sup>	-6.5 <sup>53</sup>	60 <sup>41</sup>	28 <sup>12</sup>	55 <sup>42</sup>	115 <sup>42</sup>	1.74 <sup>49</sup>	-0.28 <sup>43</sup>	.39 <sup>43</sup>
%wb	91	92	98	76	95	98	93	48	21

BIOS\$
88
<b>4353</b>
85

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade
U	57	646	111	626	1043	2.30	2.58	48.5	5.4	9	10.3	9.8	4.28	3.86	AA

Tag **0303** Pen      Tattoo **CATT 303A**  
 Contact **ROBERT PERRATT - CADILLAC STOCK FARMS**  
 HC/Breed **P ANGUS**      **705-273-2206**  
 Birthdate **08Feb2013**      Colour **BLACK**  
 SireSire **CONNEALY WRANGLER**  
 Sire **CONNEALY IRISH 0204**  
 Dam **CATTLELAC BLACKCAP 109Y**  
 DamSire **CADILLACS TIGRE 912W**

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF
%ab	99	99	85	78	88	90	80	28	77
ABC Acc	9 <sup>22</sup>	-7.8 <sup>52</sup>	48 <sup>41</sup>	26 <sup>11</sup>	44 <sup>41</sup>	92 <sup>41</sup>	.99 <sup>49</sup>	-0.17 <sup>43</sup>	.42 <sup>43</sup>
%wb	97	97	87	67	73	84	39	66	27

BIOS\$
79
<b>3972</b>
74

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade
U	52	573	98	551	893	1.89	2.20	47.5	4.9	7	10.9	10.3	4.19	3.78	AA

Tag **0305** Pen      Tattoo **CATT 305A**  
 Contact **ROBERT PERRATT - CADILLAC STOCK FARMS**  
 HC/Breed **P RED ANGUS**      **705-273-2206**  
 Birthdate **11Feb2013**      Colour **RED ANGUS**  
 SireSire **RED BFCK CHEROKEE CNYN 4912**  
 Sire **RED LCC MAJOR LEAGUE A502M**  
 Dam **RED CATTLELAC SLY 610S**  
 DamSire **RED GLACIER CHATEAU 744**

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF
%ab	95	95	58	95	91	83	96	40	90
ABC Acc	6 <sup>39</sup>	-5.6 <sup>60</sup>	40 <sup>52</sup>	33 <sup>38</sup>	45 <sup>52</sup>	85 <sup>52</sup>	1.56 <sup>58</sup>	-0.04 <sup>54</sup>	.56 <sup>54</sup>
%wb	82	84	57	93	79	73	88	88	67

BIOS\$
81
<b>4053</b>
76

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade
U	72	582	100	584	895	1.72	2.23	48.0	5.2	9	10.3	9.7	4.68	4.25	AA-AAA

Tag **0308** Pen      Tattoo **CATT 308A**  
 Contact **ROBERT PERRATT - CADILLAC STOCK FARMS**  
 HC/Breed **P RED ANGUS**      **705-273-2206**  
 Birthdate **24Mar2013**      Colour **RED**  
 SireSire **RED CATTLELAC STUNNER 802U**  
 Sire **RED CATTLELAC STUNNER 017X**  
 Dam **RED CATTLELAC CINDER 614S**  
 DamSire **RED CO-CO GRAND BUDDHA 409**

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF
%ab	60	57	53	95	96	88	67	28	85
ABC Acc	2 <sup>27</sup>	-1.4 <sup>56</sup>	39 <sup>45</sup>	33 <sup>19</sup>	50 <sup>46</sup>	89 <sup>46</sup>	.58 <sup>53</sup>	-0.18 <sup>48</sup>	.50 <sup>48</sup>
%wb	15	15	53	94	90	80	7	65	51

BIOS\$
69
<b>3607</b>
60

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade
U	90	600	103	507	860	1.95	2.38	48.0	5.6	4	9.1	9.1	4.75	4.80	AA-AAA

Tag **0309** Pen      Tattoo **CATT 309A**  
 Contact **ROBERT PERRATT - CADILLAC STOCK FARMS**  
 HC/Breed **P RED ANGUS**      **705-273-2206**  
 Birthdate **26Mar2013**      Colour **RED**  
 SireSire **RED DWAJO JOKERS WILD 47S**  
 Sire **RED GOLD-BAR UNIQUE J W 1113U**  
 Dam **RED CATTLELAC CINDER 534R**  
 DamSire **RED CHAMPLAIN MARIAS 33K**

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF
%ab	77	82	69	73	80	78	77	20	73
ABC Acc	3 <sup>23</sup>	-3.4 <sup>55</sup>	43 <sup>40</sup>	25 <sup>18</sup>	40 <sup>42</sup>	82 <sup>41</sup>	.92 <sup>49</sup>	-0.28 <sup>43</sup>	.36 <sup>43</sup>
%wb	34	48	70	60	58	66	30	48	15

BIOS\$
51
<b>3126</b>
40

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade
U	83	613	105	512	882	2.04	2.46	47.5	5.3	6	9.4	9.5	4.80	4.88	AA-AAA

# Heifer Development EOT Report

## 201474 Cadillac Stock Farms Heifers



Genetic Evaluations (26 Mar 2014)

Tag **0310** Pen      Tattoo **RIP 310A**  
 Contact **ROBERT PERRATT - CADILLAC STOCK FARMS**  
 HC/Breed **P CHAROLAIS**      **705-273-2206**  
 Birthdate **28Mar2013**      Colour **WHITE**  
 SireSire **SVY FREEDOM PLD 307N**  
 Sire **GERRARD MONTEZUMA 6T**  
 Dam **CADILLACS MS SPUR 722T**  
 DamSire **LT WESTERN SPUR 206I**

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF
%ab	3	1	58	7	12	26	2	19	63
ABC Acc	-6 <sup>28</sup>	6.9 <sup>57</sup>	40 <sup>45</sup>	11 <sup>18</sup>	16 <sup>47</sup>	56 <sup>46</sup>	-0.88 <sup>52</sup>	-0.30 <sup>46</sup>	.15 <sup>46</sup>
%wb	8	3	41	12	2	8	1	2	97

BIO\$	
1	
<b>648</b>	
1	

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade
U	105	621	107	518	772	1.40	2.16	48.5	5.8	2	9.0	9.1	3.71	3.79	A-AA

Tag **0311** Pen      Tattoo **CATT 311A**  
 Contact **ROBERT PERRATT - CADILLAC STOCK FARMS**  
 HC/Breed **P RED ANGUS**      **705-273-2206**  
 Birthdate **06Apr2013**      Colour **RED**  
 SireSire **RED 6 MILE FULL THROTTLE 171T**  
 Sire **RED CATTLELAC YOGOHAMA 104Y**  
 Dam **RED CATTLELAC DONOVAN 805U**  
 DamSire **RED GOLD-BAR STONE COLD 115S**

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF
%ab	87	90	89	97	97	96	88	35	88
ABC Acc	5 <sup>27</sup>	-4.5 <sup>57</sup>	50 <sup>45</sup>	34 <sup>19</sup>	52 <sup>46</sup>	102 <sup>46</sup>	1.25 <sup>53</sup>	-0.09 <sup>48</sup>	.54 <sup>48</sup>
%wb	58	70	91	95	93	94	61	80	62

BIO\$	
88	
<b>4378</b>	
86	

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade
U	70	612	105	481	871	2.15	2.50	46.0	4.7	6	9.3	9.5	4.02	4.22	AA

Tag **0319** Pen      Tattoo **RIP 319A**  
 Contact **ROBERT PERRATT - CADILLAC STOCK FARMS**  
 HC/Breed **P CHAROLAIS**      **705-273-2206**  
 Birthdate **04May2013**      Colour **WHITE**  
 SireSire **JSR SEISMIC 45S**  
 Sire **A-JS XCEL 31X**  
 Dam **CADILLACS ASHLEY 902W**  
 DamSire **EC NO DOUBT 2022P**

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF
%ab	14	12	93	42	97	97	29	95	27
ABC Acc	-3 <sup>31</sup>	2.8 <sup>58</sup>	53 <sup>47</sup>	19 <sup>21</sup>	52 <sup>46</sup>	105 <sup>47</sup>	-0.31 <sup>53</sup>	.71 <sup>48</sup>	-0.10 <sup>48</sup>
%wb	42	40	87	64	93	93	46	90	31

BIO\$	
84	
<b>4177</b>	
86	

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade
U	86	638	110	428	818	2.15	2.56	48.0	6.0	2	11.3	12.2	3.25	3.71	A



**Breed Summary Averages**

Breed	#	% U	BWT	AWW	SOT	28D	56D	84D	EOT	ADG	WPDA	Hip Height	Frame Score	Back Fat	REA	Adj REA	%IMF	Adj %IMF	Scrotal
ANGUS	2	100	55	610	589				968	2.09	2.39	48.0	5.2	8	10.6	10.0	4.24	3.82	
RED ANGUS	4	100	79	602	521				877	1.96	2.39	47.4	5.2	6	9.5	9.5	4.56	4.54	
CHAROLAIS	2	100	96	630	473				795	1.77	2.36	48.3	5.9	2	10.1	10.7	3.48	3.75	
Group Averages	8	100	77	611	526				879	1.95	2.38	47.8	5.4	6	9.9	9.9	4.21	4.16	

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