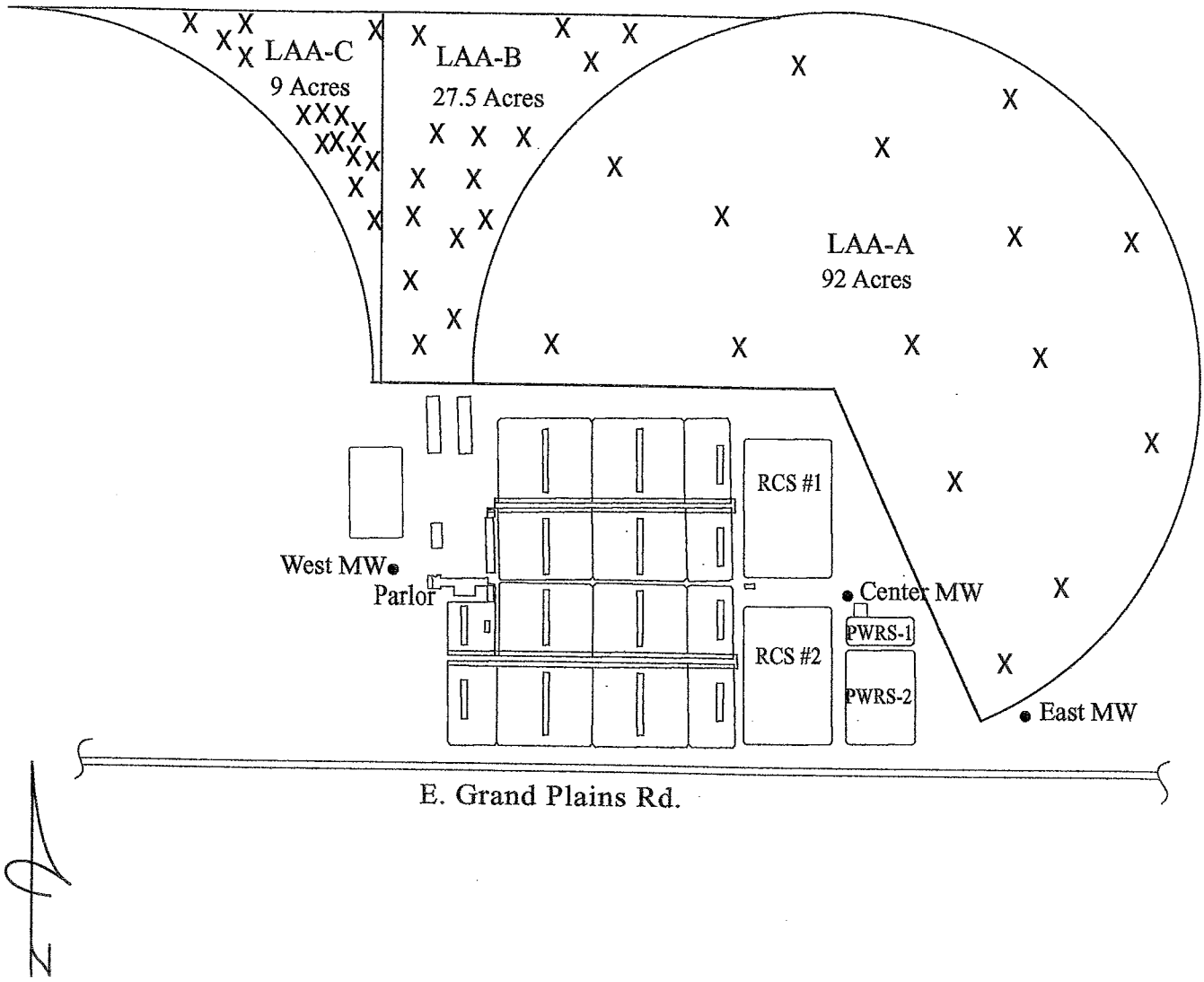
DP-343



Section 22
T11S; R25E

GROUND WATER

JUL 13 2009

BUREAU

Enviro Compliance Services, Inc.
Office: (505) 762-9674 Fax: (505) 762-3749
Providing Management Assistance for Environmental Compliance Since 1991

Title: Tom Visser Dairy Overall Site Layout		DP-343
Date: 3/2/2007	DWG/Doc Ref: Not to Scale	Sheet No: 1/1

Advanced Analysis, Inc.

5601 19th Street Lubbock, Texas 79407 P.O. Box 16652 Lubbock,Texas 79490
Tel: (806) 796-2805 Fax : (806) 796-2825

ANALYTICAL RESULTS FOR
TOM VISSER DAIRY
222 E. DARBY
DEXTER, NM 88230
PHONE: (575) 762-9674

Receiving Date: 07/16/09 @ 0 °C
Reporting Date: 07/28/09
Project Number: DP-343
Project Name: TOM VISSER DAIRY
Project Location: ROSWELL, NM

Sampling Date: 07/15/09 @ 19:50
Sample Type: WELL H_2O, WASTE H_2O
Sample Condition: COOL & INTACT
Sample Received By: MR
Analyzed By: SN, ED

LAB NUMBER	SAMPLE ID	TDS (mg/L)	Chlorides (mg/L)	TKN (mg/L)	NO_3-NO_2-N (mg/L)
Date Analysis Batch Started:		07/21/09	07/24/09	07/21/09	07/20/09
Time Analysis Batch Started:		10:15	16:25	8:45	10:30
AN14872-1	EAST WELL	6,325	865	0.3	144.6
AN14872-2	CENTER WELL	5,080	700	< 0.2 *	4.1
AN14872-3	WEST WELL	3,175	350	0.8	11.3
AN14872-4	NORTH LAGOON	3,610	665	135	0.21
AN14872-5	SOUTH LAGOON	3,520	800	135	0.03
Date Analysis Batch Finished:		07/22/09	07/24/09	07/21/09	07/20/09
Time Analysis Batch Finished:		16:35	18:40	17:05	17:00
Blank		< 1	< 1	< 0.2	< 0.01
Quality Control		972	51	5.19	1.0285
True Value QC		1000	50	5.00	1.0000
% Instrument Accuracy		97	102	104	103
Hi - Low Limits		90 - 110	95 - 105	85 - 115	85 - 115
% Extraction Accuracy		N/A	102	104	99
Relative Percent Difference		0	1	2	4
METHODS: EPA 600/4-79-020,		SM2540 C	SM4500B-Cl⁻	351.4	353.3

* Less than the LOQ (Limit of Quantitation).
This report meets NELAC T104704437-08A-TX

Mario Rodriguez

Mario Rodriguez, Director.

07/28/09

Date

DP-343

Advanced Analysis, Inc.

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ANALYTICAL RESULTS FOR
TOM VISSER DAIRY
222 E. DARBY.
DEXTER, NM 88230
PHONE: (575) 762-9674

Receiving Date: 03/20/09 @ 2 °C
Reporting Date: 04/18/09
Project Number: DP-343
Project Name: TOM VISSER DAIRY
Project Location: ROSWELL, NM

Sampling Date: 03/17/09 @ 14:30
Sample Type: WELL H_2O, WASTE H_2O
Sample Condition: COOL & INTACT
Sample Received By: SN
Analyzed By: SN, ED

LAB NUMBER	SAMPLE ID	TDS (mg/L)	Chlorides (mg/L)	TKN (mg/L)	NO_3-NO_2-N (mg/L)
Date Analysis Batch Started:		03/23/09	04/11/09	04/11/09	04/13/09
Time Analysis Batch Started:		10:20	17:00	10:00	9:30
AN14389-1	EAST WELL	6,065	890	0.8	119.0
AN14389-2	CENTER WELL	4,925	760	25.1	0.48
AN14389-3	WEST WELL	3,725	400	0.7	12.6
AN14389-4	NORTH LAGOON	4,320	700	285	0.07
AN14389-5	SOUTH LAGOON	3,500	850	250	< 0.02 *
Date Analysis Batch Finished:		03/24/09	04/11/09	04/09/09	04/13/09
Time Analysis Batch Finished:		16:00	21:00	12:50	17:00
Blank		< 1	< 1	< 0.2	< 0.01
Quality Control		982	50	5.05	1.0027
True Value QC		1000	50	5.00	1.0000
% Instrument Accuracy		98	100	101	100
% Extraction Accuracy		N/A	101	108	90
Relative Percent Difference		2	0	2	0
METHODS: EPA 600/4-79-020,		SM2540 C	SM4500B-Cl⁻	351.4	353.3

* Less than the Minimum Detection Limit.
This report meets NELAC T104704437-08A-TX

Mario Rodriguez
Mario Rodriguez, Director.

04-18-09
Date

Advanced Analysis, Inc.

5601 19th Street Lubbock, Texas 79407 P.O. Box 16652 Lubbock,Texas 79490
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ANALYTICAL RESULTS FOR
TOM VISSER DAIRY
222 E. DARBY
DEXTER, NM 88230
PHONE: (505) 762-9674

Receiving Date: 12/09/08 @ 2 °C
Reporting Date: 12/17/08
Project Number: DP-343
Project Name: TOM VISSER DAIRY
Project Location: ROSWELL, NM

Sampling Date: 12/06/08 @ 8:20
Sample Type: WELL H_2O, WASTE H_2O
Sample Condition: COOL & INTACT
Sample Received By: SN
Analyzed By: SN, ED

LAB NUMBER	SAMPLE ID	TDS (mg/L)	Chlorides (mg/L)	TKN (mg/L)	NO_3-NO_2-N (mg/L)
Date Analysis Batch Started:		12/13/08	12/12/08	12/15/08	12/11/08
Time Analysis Batch Started:		8:40	10:30	10:00	13:35
AM13975-1	EAST WELL	5,965	830	< 0.2 *	29.6
AM13975-2	CENTER WELL	4,540	640	12.1	9.6
AM13975-3	WEST WELL	3,190	360	< 0.2 *	12.0
AM13975-4	NORTH LAGOON	3,880	590	270	0.23
AM13975-5	SOUTH LAGOON	3,140	540	160	0.17
Date Analysis Batch Finished:		12/15/08	12/12/08	12/16/08	12/11/08
Time Analysis Batch Finished:		8:45	11:50	14:50	16:30
Blank		< 1	< 1	< 0.2	< 0.01
Quality Control		986	50	4.98	0.4872
True Value QC		1000	50	5.00	0.5000
% Instrument Accuracy		99	100	100	98
% Extraction Accuracy		N/A	102	92	100
Relative Percent Difference		2	2	3	2
METHODS: EPA 600/4-79-020,		SM2540 C	SM4500B-Cl^-	351.4	353.3

Mario Rodriguez, Director.

12-17-08
Date

DP-343

Advanced Analysis, Inc.

5601 19th Street Lubbock, Texas 79407 P.O. Box 16652 Lubbock,Texas 79490
Tel: (806) 796-2805 Fax : (806) 796-2825

ANALYTICAL RESULTS FOR
TOM VISSER DAIRY
222 E. DARBY
DEXTER, NM 88230
PHONE: (505) 762-9674

Receiving Date: 04/25/08 @ 3 °C
Reporting Date: 05/26/08
Project Number: DP-
Project Name: TOM VISSER DAIRY
Project Location: ROSWELL, NM

Sampling Date: 04/23/08 @ 11:20
Sample Type: WELL H_2O, WASTE H_2O
Sample Condition: COOL & INTACT
Sample Received By: MR
Analyzed By: SN, ED

LAB NUMBER	SAMPLE ID	TDS (mg/L)	Chlorides (mg/L)	TKN (mg/L)	NO_3-NO_2-N (mg/L)
Date Analysis Batch Started:		04/29/05	05/06/08	05/05/08	05/07/08
Time Analysis Batch Started:		15:15	9:00	9:35	11:00
AM12998-1	EAST WELL	5,890	930	0.5	124.7
AM12998-2	CENTER WELL	4,765	650	5.6	40.2
AM12998-3	WEST WELL	3,965	430	0.5	16.2
AM12998-4	NORTH LAGOON	2,940	530	200	0.11
AM12998-5	SOUTH LAGOON	2,400	360	140	0.04
Date Analysis Batch Finished:		04/30/08	05/06/08	05/06/08	05/07/08
Time Analysis Batch Finished:		17:05	14:10	11:20	16:15
Blank		< 1	< 1	< 0.2	< 0.01
Quality Control		996	50	4.85	1.0101
True Value QC		1000	50	5.00	1.0000
% Instrument Accuracy		100	100	97	101
% Extraction Accuracy		N/A	100	99	106
Relative Percent Difference		0	1	2	2
METHODS: EPA 600/4-79-020,		160.1	4500B-Cl	351.4	353.3

Mario Rodriguez

Mario Rodriguez, Director.

05/26/08

Date

DP-343

Advanced Analysis, Inc.

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ANALYTICAL RESULTS FOR
TOM VISSER DAIRY
222 E. DARBY
DEXTER, NM 88230
PHONE: (505) 762-9674

Receiving Date: 02/28/08
Reporting Date: 03/19/08
Project Number: DP-
Project Name: TOM VISSER DAIRY
Project Location: ROSWELL, NM

Sampling Date: 02/26/08
Sample Type: WELL H_2O, WASTE H_2O
Sample Condition: COOL & INTACT
Sample Received By: ED
Analyzed By: SN, ED

LAB NUMBER	SAMPLE ID	TDS (mg/L)	Chlorides (mg/L)	TKN (mg/L)	NO_3-NO_2-N (mg/L)
Date Analysis Batch Started:		03/04/08	03/06/08	03/07/08	03/10/08
Time Analysis Batch Started:		9:30	10:30	8:30	10:00
AM12766-1	CENTER WELL	4,630	690	9.5	9.7
AM12766-2	WEST WELL	4,110	720	< 0.2 *	29.8
AM12766-3	NORTH LAGOON	2,565	290	165	0.09
AM12766-4	SOUTH LAGOON	2,540	330	125	0.03
Date Analysis Batch Finished:		03/06/08	03/06/08	03/07/08	03/10/08
Time Analysis Batch Finished:		8:40	14:30	17:35	16:30
Blank		< 1	< 1	< 0.2	< 0.01
Quality Control		960	52	4.87	1.093
True Value QC		1000	50	5.00	1.0000
% Instrument Accuracy		96	104	97	109
% Extraction Accuracy		N/A	97	90	110
Relative Percent Difference		1	2	7	2
METHODS: EPA 600/4-79-020,		160.1	4500B-Cl⁻	351.4	353.3

10

Mario Rodriguez
Mario Rodriguez, Director.

03-19-08
Date

DP-343

Advanced Analysis, Inc.

5601 19th Street Lubbock, Texas 79407 P.O. Box 16652 Lubbock,Texas 79490
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ANALYTICAL RESULTS FOR
TOM VISSER DAIRY
222 E. DARBY.
DEXTER, NM 88230
PHONE: (575) 762-9674

Receiving Date: 03/20/09 @ 2 °C
Reporting Date: 04/18/09
Project Number: DP-343
Project Name: TOM VISSER DAIRY
Project Location: ROSWELL, NM

Sampling Date: 03/17/09 @ 14:30
Sample Type: WELL H_2O, WASTE H_2O
Sample Condition: COOL & INTACT
Sample Received By: SN
Analyzed By: SN, ED

LAB NUMBER	SAMPLE ID	TDS (mg/L)	Chlorides (mg/L)	TKN (mg/L)	NO_3-NO_2-N (mg/L)
Date Analysis Batch Started:		03/23/09	04/11/09	04/11/09	04/13/09
Time Analysis Batch Started:		10:20	17:00	10:00	9:30
AN14389-1	EAST WELL	6,065	890	0.8	119.0
AN14389-2	CENTER WELL	4,925	760	25.1	0.48
AN14389-3	WEST WELL	3,725	400	0.7	12.6
AN14389-4	NORTH LAGOON	4,320	700	285	0.07 hi
AN14389-5	SOUTH LAGOON	3,500	850	250	< 0.02 *
Date Analysis Batch Finished:		03/24/09	04/11/09	04/09/09	04/13/09
Time Analysis Batch Finished:		16:00	21:00	12:50	17:00
Blank		< 1	< 1	< 0.2	< 0.01
Quality Control		982	50	5.05	1.0027
True Value QC		1000	50	5.00	1.0000
% Instrument Accuracy		98	100	101	100
% Extraction Accuracy		N/A	101	108	90
Relative Percent Difference		2	0	2	0
METHODS: EPA 600/4-79-020,		SM2540 C	SM4500B-Cl⁻	351.4	353.3

* Less than the Minimum Detection Limit.
This report meets NELAC T104704437-08A-TX

Mario Rodriguez
Mario Rodriguez, Director.

04-18-09
Date

DP-343

Advanced Analysis, Inc.

5601 19th Street Lubbock, Texas 79407 P.O. Box 16652 Lubbock,Texas 79490
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ANALYTICAL RESULTS FOR
TOM VISSER DAIRY
222 E. DARBY
DEXTER, NM 88230
PHONE: (505) 762-9674

Receiving Date: 07/20/07
Reporting Date: 08/02/07
Project Number: DP-
Project Name: TOM VISSER DAIRY
Project Location: ROSWELL, NM

Sampling Date: 07/19/07
Sample Type: WELL H_2O, WASTE H_2O
Sample Condition: COOL & INTACT
Sample Received By: MR
Analyzed By: RG, SN

LAB NUMBER	SAMPLE ID	TDS (mg/L)	Chlorides (mg/L)	TKN (mg/L)	NO_3-NO_2-N (mg/L)
Date Analysis Batch Started:		07/26/07	07/30/07	07/30/07	07/25/07
Time Analysis Batch Started:		8:30	9:45	13:30	11:00
AL12034-1	EAST WELL	6,290	1,020	0.6	146.7
AL12034-2	CENTER WELL	4,925	675	17.2	0.80 *
AL12034-3	WEST WELL	4,240	475	0.5	27.0
AL12034-4	NORTH LAGOON	2,860	600	105	0.18
AL12034-5	SOUTH LAGOON	2,820	475	130	0.19
Date Analysis Batch Finished:		07/27/07	07/30/07	07/31/07	07/25/07
Time Analysis Batch Finished:		15:30	11:30	17:20	17:00
Blank		< 1	< 1	< 0.2	< 0.01
Quality Control		980	50	4.78	0.3350
True Value QC		1000	50	5.00	0.3000
% Instrument Accuracy		98	100	96	112
% Extraction Accuracy		N/A	96	97	95
Relative Percent Difference		1	3	1	1
METHODS: EPA 600/4-79-020,		160.1	4500B-Cl^-	351.4	353.3

*Confirmed test performed on 08/01/07.

Mario Rodriguez, Director.

Date

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ANALYTICAL RESULTS FOR
TOM VISSER DAIRY
222 E. DARBY
DEXTER, NM 88230
PHONE: (575) 762-9674

Receiving Date: 03/20/09 @ 2 °C
Reporting Date: 04/18/09
Project Number: DP-343
Project Name: TOM VISSER DAIRY
Project Location: ROSWELL, NM

Sampling Date: 03/17/09 @ 14:30
Sample Type: WELL H_2O, WASTE H_2O
Sample Condition: COOL & INTACT
Sample Received By: SN
Analyzed By: SN, ED

LAB NUMBER	SAMPLE ID	TDS (mg/L)	Chlorides (mg/L)	TKN (mg/L)	NO_3-NO_2-N (mg/L)
Date Analysis Batch Started:		03/23/09	04/11/09	04/11/09	04/13/09
Time Analysis Batch Started:		10:20	17:00	10:00	9:30
AN14389-1	EAST WELL	6,065	890	0.8	119.0
AN14389-2	CENTER WELL	4,925	760	25.1	0.48
AN14389-3	WEST WELL	3,725	400	0.7	12.6
AN14389-4	NORTH LAGOON	4,320	700	285	0.07
AN14389-5	SOUTH LAGOON	3,500	850	250	< 0.02 *
Date Analysis Batch Finished:		03/24/09	04/11/09	04/09/09	04/13/09
Time Analysis Batch Finished:		16:00	21:00	12:50	17:00
Blank		< 1	< 1	< 0.2	< 0.01
Quality Control		982	50	5.05	1.0027
True Value QC		1000	50	5.00	1.0000
% Instrument Accuracy		98	100	101	100
% Extraction Accuracy		N/A	101	108	90
Relative Percent Difference		2	0	2	0
METHODS: EPA 600/4-79-020,		SM2540 C	SM4500B-Cl⁻	351.4	353.3

DP-343
Highest TKN Reported For Permit Term

* Less than the Minimum Detection Limit.
This report meets NELAC T104704437-08A-TX

Mario Rodriguez
Mario Rodriguez, Director.

04-18-09
Date