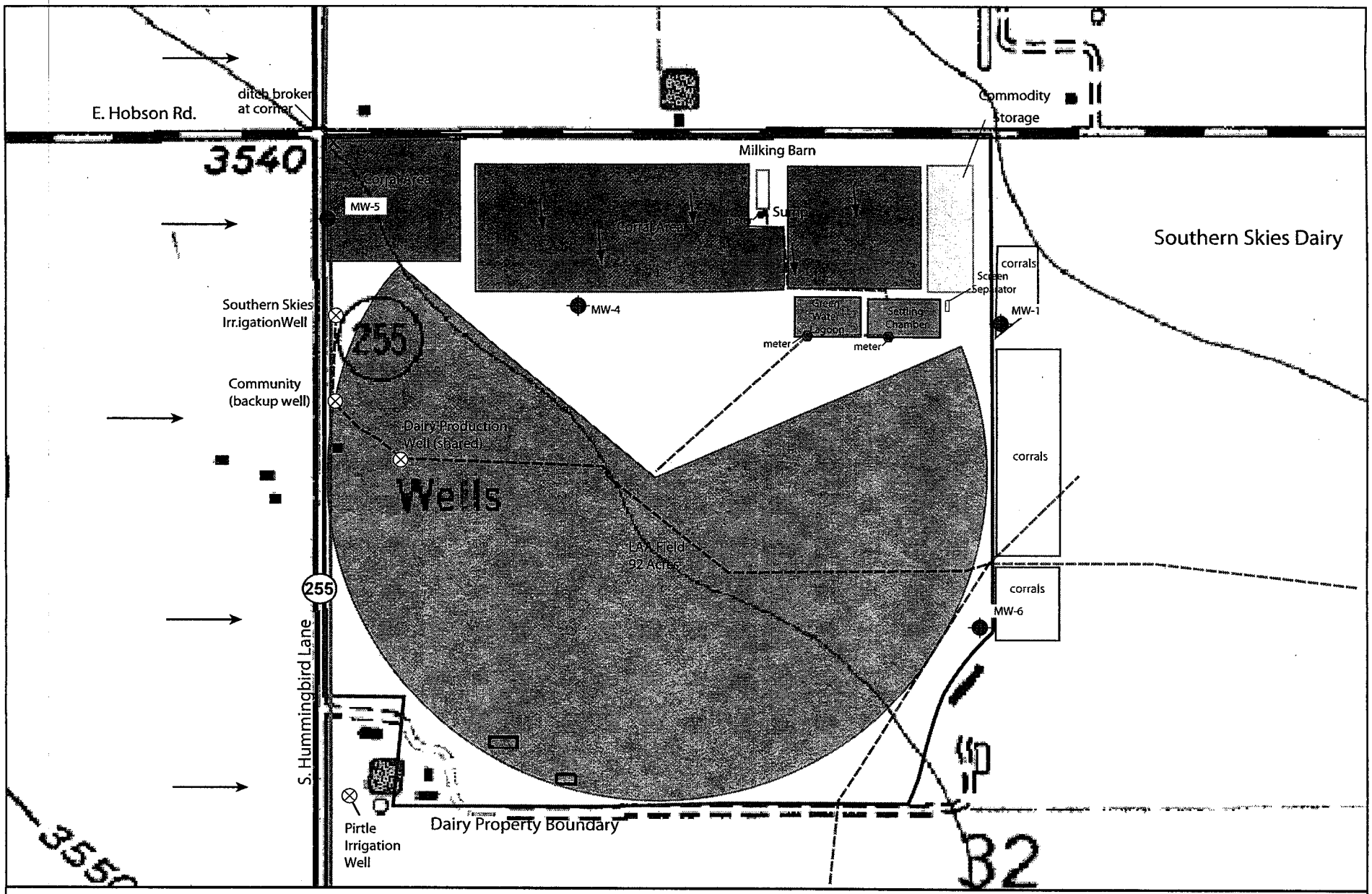

Pirtle Farms Dairy Site Map

Legend

- Monitoring Well approximate location
- Production / Irrigation Well
- Direction of surface runoff
- Green water meter
- Green water pipelines
- Concrete ditch
- Fresh water pipelines

N

Discharge Permit-163
T11S, R25E, Section 32: NW1/4
33°19'01"N, 104°25'41"W

3832 E. Hobson Rd.
Roswell, NM 88202
(575) 623-0063

GLORIETA GEOSCIENCE, INC.
P.O. Box 5727 Santa Fe, NM 87502
(505) 983-5446 Fax (505) 983-6482
E-mail: ggi@glorietageo.com
Web Address: www.glorietageo.com

0 375 750 1,500 2,250 3,000 Feet

0 0.05 0.1 0.2 0.3 0.4 Miles

DP-163

DP-163

Hall Environmental Analysis Laboratory, Inc.

Date: *27-Jul-09*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW-5
Lab Order:	0907271	**Collection Date:**	7/14/2009 12:48:00 PM
Project:	Pirtle Farms Dairy	**Date Received:**	7/15/2009
Lab ID:	0907271-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: RAGS
Chloride	1300	20		mg/L	200	7/20/2009 6:05:49 PM
Nitrogen, Nitrate (As N)	29	1.0		mg/L	10	7/16/2009 11:25:11 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: KMS
Total Dissolved Solids	5600	400		mg/L	1	7/20/2009
SM 4500 NORG C: TKN						Analyst: LJB
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	7/22/2009

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

DP-163

Hall Environmental Analysis Laboratory, Inc.

Date: *27-Jul-09*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW-4
Lab Order:	0907271	**Collection Date:**	7/14/2009 1:20:00 PM
Project:	Pirtle Farms Dairy	**Date Received:**	7/15/2009
Lab ID:	0907271-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **RAGS**
Chloride	680	5.0		mg/L	50	7/20/2009 6:23:14 PM
Nitrogen, Nitrate (As N)	51	1.0		mg/L	10	7/16/2009 11:53:46 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KMS**
Total Dissolved Solids	3590	20.0		mg/L	1	7/20/2009
SM 4500 NORG C: TKN						Analyst: **LJB**
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	7/22/2009

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

DP-163

Hall Environmental Analysis Laboratory, Inc.

Date: *09-Jun-09*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW 1
Lab Order:	0905267	**Collection Date:**	5/13/2009 12:40:00 PM
Project:	Pirtle Dairy	**Date Received:**	5/14/2009
Lab ID:	0905267-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: RAGS
Chloride	110	1.0		mg/L	10	5/21/2009 8:29:14 AM
Nitrate (As N)+Nitrite (As N)	26	1.0		mg/L	5	5/20/2009 4:38:02 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: SNV
Total Dissolved Solids	1800	20		mg/L	1	5/19/2009
SM 4500 NORG C: TKN						Analyst: KMS
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	5/20/2009

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

DP-163

Hall Environmental Analysis Laboratory, Inc.

Date: *09-Jun-09*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW 6
Lab Order:	0905267	**Collection Date:**	5/13/2009 1:28:00 PM
Project:	Pirtle Dairy	**Date Received:**	5/14/2009
Lab ID:	0905267-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: TAF
Chloride	160	1.0		mg/L	10	5/20/2009 6:22:28 AM
Nitrate (As N)+Nitrite (As N)	47	1.0		mg/L	5	5/20/2009 6:39:53 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: SNV
Total Dissolved Solids	2500	2000		mg/L	1	5/19/2009
SM 4500 NORG C: TKN						Analyst: KMS
Nitrogen, Kjeldahl, Total	18	10		mg/L	1	5/20/2009

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Estimated value	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit
	S	Spike recovery outside accepted recovery limits		

DP-163

Hall Environmental Analysis Laboratory, Inc.

Date: *09-Jun-09*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW 4
Lab Order:	0905267	**Collection Date:**	5/13/2009 12:35:00 PM
Project:	Pirtle Dairy	**Date Received:**	5/14/2009
Lab ID:	0905267-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: TAF
Chloride	650	2.0		mg/L	20	5/22/2009 9:28:32 PM
Nitrate (As N)+Nitrite (As N)	48	1.0		mg/L	5	5/20/2009 9:33:57 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: KMS
Total Dissolved Solids	3600	20		mg/L	1	5/19/2009
SM 4500 NORG C: TKN						Analyst: TAF
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	6/3/2009

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

DP-163

Hall Environmental Analysis Laboratory, Inc.

Date: *09-Jun-09*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW 5
Lab Order:	0905267	**Collection Date:**	5/13/2009 12:26:00 PM
Project:	Pirtle Dairy	**Date Received:**	5/14/2009
Lab ID:	0905267-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: TAF
Chloride	1300	5.0		mg/L	50	5/22/2009 9:11:07 PM
Nitrate (As N)+Nitrite (As N)	28	2.0		mg/L	10	5/22/2009 7:26:39 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: KMS
Total Dissolved Solids	6800	2000		mg/L	1	5/19/2009
SM 4500 NORG C: TKN						Analyst: IC
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	5/21/2009

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Estimated value	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit
	S	Spike recovery outside accepted recovery limits		

DP-163

Hall Environmental Analysis Laboratory, Inc.

Date: *09-Jun-09*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	Lagoon
Lab Order:	0905267	**Collection Date:**	5/13/2009 1:00:00 PM
Project:	Pirtle Dairy	**Date Received:**	5/14/2009
Lab ID:	0905267-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: TAF
Chloride	510	2.0		mg/L	20	5/22/2009 8:53:42 PM
Nitrate (As N)+Nitrite (As N)	ND	2.0		mg/L	10	5/20/2009 7:14:41 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: SNV
Total Dissolved Solids	3200	400		mg/L	1	5/19/2009
SM 4500 NORG C: TKN						Analyst: KMS
Nitrogen, Kjeldahl, Total	160	10		mg/L	1	5/20/2009

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Estimated value	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit
	S	Spike recovery outside accepted recovery limits		

DP-163

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
ENVIROCOMPLIANCE SERVICES, INC.
ATTN: CHET WYANT
564 SR 523
CLOVIS, NM 88101-1023
PHONE: (575) 762-9674
FAX: (575) 762-3749

Receiving Date: 01/19/09 @ 0° C
Reporting Date: 01/27/09
Project Number: DP-163
Project Name: PIRTLE FARMS DAIRY
Project Location: ROSWELL, NM

Sampling Date: 01/17/09 @ 10:40
Sample Type: WELL H_2O, WASTE H_2O
Sample Condition: COOL & INTACT
Sample Received By: MR
Analyzed By: ED, 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:		01/20/09	01/22/09	01/27/09	01/26/09
Time Analysis Batch Started:		10:50	10:00	9:30	11:00
AN14129-1	MW 1	8,470	120	0.4	25.9
AN14129-2	MW 4	3,665	510	0.5	55.6
AN14129-3	MW 5	6,310	1,340	0.4	19.4
AN14129-4	MW 6	1,900	200	< 0.2 *	38.2
AN14129-5	PWRS	3,080	450	130	0.05
Date Analysis Batch Finished:		01/21/09	01/22/09	01/27/09	01/26/09
Time Analysis Batch Finished:		15:50	17:25	17:00	17:00
Blank		< 1	< 1	< 0.2	< 0.01
Quality Control		1016	50	4.67	1.0060
True Value QC		1000	50	5.00	1.0000
% Instrument Accuracy		102	100	93	101
% Extraction Accuracy		N/A	100	104	102
Relative Percent Difference		2	0	1	8

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, Director. Date

DP-163

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
ENVIROCOMPLIANCE SERVICES, INC.
ATTN: CHET WYANT
564 SR 523
CLOVIS, NM 88101-1023
PHONE: (505) 762-9674
FAX: (505) 762-3749

Receiving Date: 12/09/08 @ 2° C
Reporting Date: 12/17/08
Project Number: DP-163
Project Name: PIRTLE FARMS DAIRY
Project Location: ROSWELL, NM

Sampling Date: 12/06/08 @ 11:00
Sample Type: WELL H_2O, WASTE H_2O
Sample Condition: COOL & INTACT
Sample Received By: SN
Analyzed By: ED, 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:		12/13/08	12/12/08	12/15/08	12/11/08
Time Analysis Batch Started:		8:40	10:30	10:00	13:35
AM13977-1	MW 1	1,590	105	< 0.2 *	20.2
AM13977-2	MW 4	3,725	490	< 0.2 *	45.4
AM13977-3	MW 5	6,080	115	< 0.2 *	24.9
AM13977-4	MW 6	2,220	160	< 0.2 *	43.1
AM13977-5	PWRS	2,720	430	135	0.12
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.

12-18-08
Date

DP-163

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
ENVIROCOMPLIANCE SERVICES, INC.
ATTN: CHET WYANT
564 SR 523
CLOVIS, NM 88101-1023
PHONE: (505) 762-9674
FAX: (505) 762-3749

Receiving Date: 09/18/08 @ 1° C
Reporting Date: 10/13/08
Project Number: DP-163
Project Name: PIRTLE FARMS DAIRY
Project Location: ROSWELL, NM

Sampling Date: 09/15/08 @ 16:50
Sample Type: WELL H_2O, WASTE H_2O
Sample Condition: COOL & INTACT
Sample Received By: ED
Analyzed By: ED, 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:		09/19/08	09/30/08	09/30/08	09/25/08
Time Analysis Batch Started:		15:30	11:00	8:35	10:30
AM13650-1	MW 1	1,645	105	0.9	5.4
AM13650-2	MW 4	4,065	540	0.4	30.9
AM13650-3	MW 5	5,790	940	0.4	18.8
AM13650-4	MW 6	2,510	160	0.2	6.5
AM13650-5	PWRS	5,200	450	85	1.5
Date Analysis Batch Finished:		09/23/08	09/30/08	09/30/08	09/25/08
Time Analysis Batch Finished:		9:00	14:40	17:30	16:45
Blank		< 1	< 1	< 0.2	< 0.01
Quality Control		994	50	4.65	0.9255
True Value QC		1000	50	5.00	1.0000
% Instrument Accuracy		99	100	93	93
% Extraction Accuracy		N/A	101	89	90
Relative Percent Difference		1	0	1	2
METHODS: EPA 600/4-79-020,		160.1	4500B-Cl⁻	351.4	353.3

N.B. lowest TKN

Mario Rodriguez, Director.

10/13/08
Date

DP-163

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
ENVIROCOMPLIANCE SERVICES, INC.
ATTN: CHET WYANT
564 SR 523
CLOVIS, NM 88101-1023
PHONE: (505) 762-9674
FAX: (505) 762-3749

Receiving Date: 06/05/08 @ 1° C
Reporting Date: 06/18/08
Project Number: DP-163
Project Name: PIRTLE FARMS DAIRY
Project Location: ROSWELL, NM

Sampling Date: 06/03/08 @ 18:55
Sample Type: WELL H_2O, WASTE H_2O
Sample Condition: COOL & INTACT
Sample Received By: MR
Analyzed By: ED, 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:		06/10/08	06/12/08	06/12/08	06/16/08
Time Analysis Batch Started:		8:30	9:50	8:40	12:10
AM13161-1	MW 1	1,500	100	0.7	6.8
AM13161-2	MW 4	3,720	510	0.6	6.4
AM13161-3	MW 5	7,190	1,350	0.5	7.2
AM13161-4	MW 6	2,190	140	0.3	5.9
AM13161-5	PWRS	2,180	270	160	0.03
Date Analysis Batch Finished:		06/12/08	06/12/08	06/12/08	06/16/08
Time Analysis Batch Finished:		11:55	11:00	17:20	16:55
Blank		< 1	< 1	< 0.2	< 0.01
Quality Control		1002	50	5.04	1.0099
True Value QC		1000	50	5.00	1.0000
% Instrument Accuracy		100	100	101	101
% Extraction Accuracy		N/A	98	90	93
Relative Percent Difference		1	0	6	6
METHODS: EPA 600/4-79-020,		160.1	4500B-Cl⁻	351.4	353.3

Mario Rodriguez

Mario Rodriguez, Director

06/18/08

Date

DP-163

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
ENVIROCOMPLIANCE SERVICES, INC.
ATTN: CHET WYANT
564 SR 523
CLOVIS, NM 88101-1023
PHONE: (505) 762-9674
FAX: (505) 762-3749

Receiving Date: 01/13/07
Reporting Date: 01/30/07
Project Number: DP-163
Project Name: PIRTLE FARMS DAIRY
Project Location: ROSWELL, NM

Sampling Date: 01/12/07
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:		01/16/07	01/22/07	01/25/07	01/18/07
Time Analysis Batch Started:		15:40	15:17	10:00	10:00
AL11377-1	MW 1	1,340	85	< 0.2 *	0.58
AL11377-2	MW 4	3,330	480	0.6	65.7
AL11377-3	MW 5	6,935	1,525	0.4	35.5
AL11377-4	MW 6	1,935	160	< 0.2 *	54.9
AL11377-5	PWRS	3,440	470	100	0.11
Date Analysis Batch Finished:		01/17/07	01/22/07	01/26/07	01/18/07
Time Analysis Batch Finished:		14:10	17:30	17:15	16:45
Blank		< 1	< 1	< 0.2	< 0.01
Quality Control		1008	51	4.53	1.0603
True Value QC		1000	50	5.00	1.0000
% Instrument Accuracy		101	102	91	106
% Extraction Accuracy		N/A	104	107	100
Relative Percent Difference		1	2	10	4
METHODS: EPA 600/4-79-020,		160.1	4500B-Cl⁻	351.4	353.3

* Less than the Minimum Detection Limit.

N.B. highest NO_3-NO_2-N

NO_3-N not sampled ever

Mario Rodriguez
Mario Rodriguez, Director.

01-30-07
Date

LAA

DP-163

Advanced Analysis, Inc.

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

MAR 17 2003

ANALYTICAL RESULTS FOR
ENVIROCOMPLIANCE SERVICES, INC.
ATTN: CHET WYANT
212 TUCKER AVE.
CLOVIS, NM 88101-3231
PHONE: (505) 762-9674
FAX: (505) 762-3749

Receiving Date: 12/28/02
Reporting Date: 12/31/02
Project Number: DP-163
Project Name: SUNDANCE FARMS
Project Location: ROSWELL, NM

Sampling Date: 12/26/02
Sample Type: WELL H_2O
Sample Condition: COOL & INTACT
Sample Received By: MR
Analyzed By: BS, MJ

LAB NUMBER	SAMPLE ID	TDS (mg/L)	Chlorides (mg/L)	TKN (mg/L)	NO_3-NO_2-N (mg/L)
Date Analysis Batch Started:		12/31/02	12/31/02	12/31/02	12/30/02
Time Analysis Batch Started:		10:00	9:07	9:30	10:30
AG5675-1	MW 1	1645	140	0.8	18.1
AG5675-2	MW 4	3285	365	0.6	108
AG5675-3	MW 5	6670	1400	0.6	22.8
AG5675-4	MW 6	2005	115	0.3	28.4
Date Analysis Batch Finished:		12/31/02	12/31/02	12/31/02	12/30/02
Time Analysis Batch Finished:		16:20	11:50	13:50	13:15
Blank		< 1	< 1	< 0.2	< 0.01
Quality Control		952	100	4.80	0.4996
True Value QC		1000	100	5.00	0.5000
% Instrument Accuracy		95	100	96	100
% Extraction Accuracy		N/A	100	106	103
Relative Percent Difference		5	0	0	12

METHODS: EPA 600/4-79-020,	160.1	4500B-Cl^-	351.4	353.3

Mario Rodriguez
Mario Rodriguez, Director.

12-31-02
Date

DP-163

Hall Environmental Analysis Laboratory, Inc.

Date: *27-Jul-09*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW-1
Lab Order:	0907271	**Collection Date:**	7/14/2009 2:14:00 PM
Project:	Pirtle Farms Dairy	**Date Received:**	7/15/2009
Lab ID:	0907271-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **RAGS**
Chloride	110	1.0		mg/L	10	7/16/2009 12:34:49 PM
Nitrogen, Nitrate (As N)	30	1.0		mg/L	10	7/16/2009 12:34:49 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KMS**
Total Dissolved Solids	1940	40.0		mg/L	1	7/20/2009
SM 4500 NORG C: TKN						Analyst: **LJB**
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	7/22/2009

N.B. highest NO_3-N

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

lagoon

DP-163

Hall Environmental Analysis Laboratory, Inc.

Date: *27-Jul-09*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	Lagoon
Lab Order:	0907271	**Collection Date:**	7/14/2009 1:45:00 PM
Project:	Pirtle Farms Dairy	**Date Received:**	7/15/2009
Lab ID:	0907271-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **RAGS**
Chloride	690	10		mg/L	100	7/20/2009 6:40:39 PM
Nitrogen, Nitrate (As N)	ND	0.50		mg/L	5	7/16/2009 12:11:10 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KMS**
Total Dissolved Solids	4540	400		mg/L	1	7/20/2009
SM 4500 NORG C: TKN						Analyst: **LJB**
Nitrogen, Kjeldahl, Total	390	20		mg/L	1	7/22/2009

N.B. highest TKN

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Estimated value	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit
	S	Spike recovery outside accepted recovery limits		