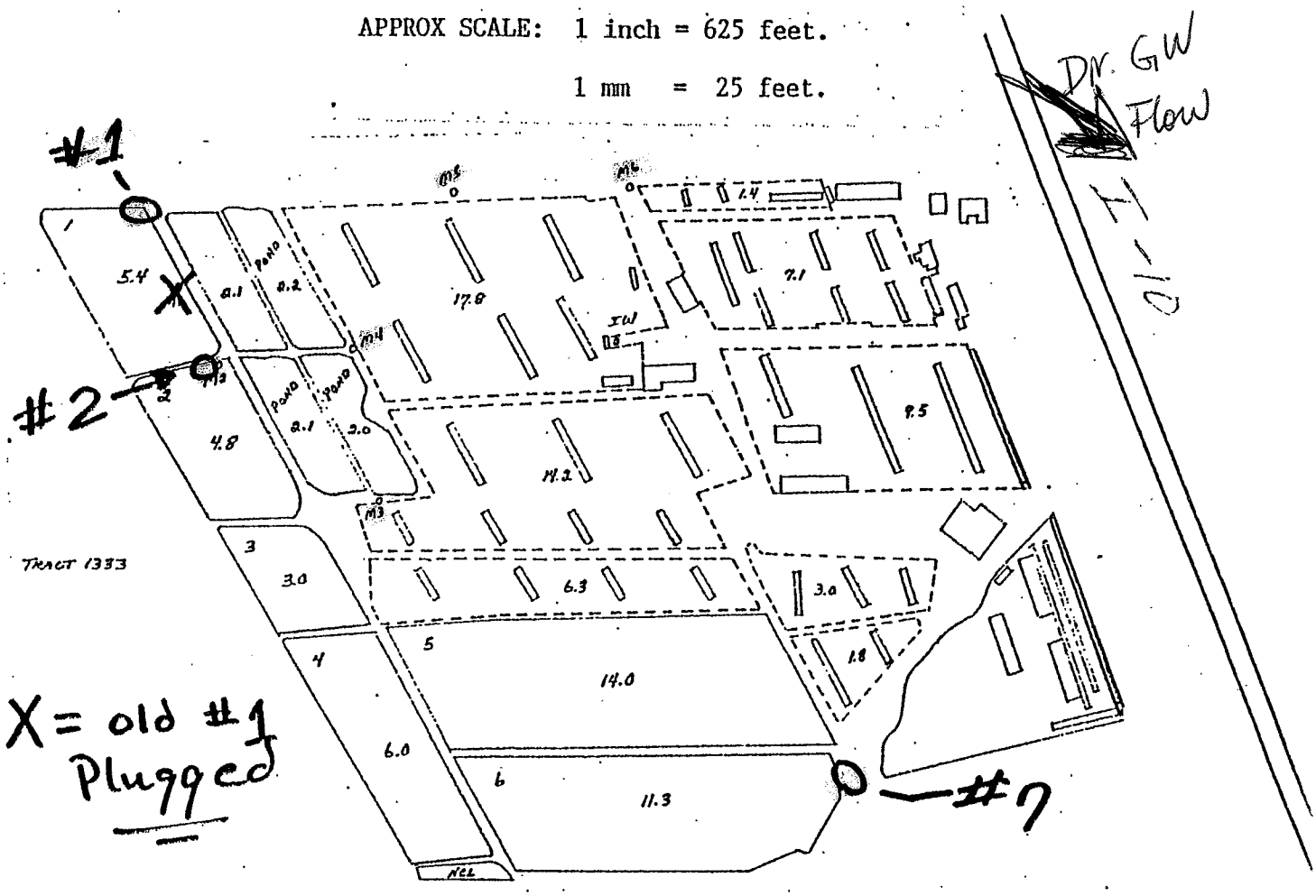
DP-177

GONZALEZ DAIRY
BOX 199
MESQUITE NEW MEXICO 88048

14310 Stern Drive.

APPROX SCALE: 1 inch = 625 feet.

1 mm = 25 feet.



WELL #	NORTHING	EASTING	ELEVATION
IRR. WELL	416,705.89240	374,458.64008	3868.29
M-1	416,946.32215	372,865.52154	3829.32
M-2	416,681.24568	373,006.37342	3829.43
M-3	416,161.11368	373,567.06966	3832.57
M-4	416,746.79548	373,485.67293	3837.97
M-5	417,252.41118	373,869.04820	3849.46
M-6	417,251.74433	374,518.02883	3862.61

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GROUND WATER PP-177

OCT 1 4 2009

BUREAU

Hall Environmental Analysis Laboratory, Inc.

Date: *16-Jul-09*

CLIENT: Glorieta GeoScience
Lab Order: 0907129
Project: Gonzalez Dairy
Lab ID: 0907129-01

Client Sample ID: MW-1
Collection Date: 7/7/2009 10:21:00 AM
Date Received: 7/8/2009
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **TAF**
Chloride	1400	10		mg/L	100	7/9/2009 8:44:47 AM
Nitrogen, Nitrate (As N)	35	1.0		mg/L	10	7/9/2009 8:27:22 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KMS**
Total Dissolved Solids	3700	20		mg/L	1	7/9/2009
SM 4500 NORG C: TKN						Analyst: **LJB**
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	7/13/2009

Hall Environmental Analysis Laboratory, Inc.

Date: *16-Jul-09*

CLIENT: Glorieta GeoScience
Lab Order: 0907129
Project: Gonzalez Dairy
Lab ID: 0907129-02

Client Sample ID: MW-2
Collection Date: 7/7/2009 10:47:00 AM
Date Received: 7/8/2009
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **TAF**
Chloride	1300	10		mg/L	100	7/9/2009 9:19:36 AM
Nitrogen, Nitrate (As N)	56	1.0		mg/L	10	7/9/2009 9:02:11 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KMS**
Total Dissolved Solids	4000	20		mg/L	1	7/9/2009
SM 4500 NORG C: TKN						Analyst: **LJB**
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	7/13/2009

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		

Hall Environmental Analysis Laboratory, Inc.

Date: *16-Jul-09*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW-3
Lab Order:	0907129	**Collection Date:**	7/7/2009 11:30:00 AM
Project:	Gonzalez Dairy	**Date Received:**	7/8/2009
Lab ID:	0907129-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **TAF**
Chloride	470	5.0		mg/L	50	7/9/2009 9:54:25 AM
Nitrogen, Nitrate (As N)	0.80	0.10		mg/L	1	7/9/2009 9:37:00 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KMS**
Total Dissolved Solids	1500	20		mg/L	1	7/9/2009
SM 4500 NORG C: TKN						Analyst: **LJB**
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	7/13/2009

Hall Environmental Analysis Laboratory, Inc.

Date: *16-Jul-09*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW-4
Lab Order:	0907129	**Collection Date:**	7/7/2009 12:10:00 PM
Project:	Gonzalez Dairy	**Date Received:**	7/8/2009
Lab ID:	0907129-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **TAF**
Chloride	1400	10		mg/L	100	7/9/2009 11:56:19 AM
Nitrogen, Nitrate (As N)	32	1.0		mg/L	10	7/9/2009 11:38:54 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KMS**
Total Dissolved Solids	3990	20.0		mg/L	1	7/10/2009
SM 4500 NORG C: TKN						Analyst: **LJB**
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	7/13/2009

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		

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Hall Environmental Analysis Laboratory, Inc.

Date: *16-Jul-09*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW-5
Lab Order:	0907129	**Collection Date:**	7/7/2009 12:45:00 PM
Project:	Gonzalez Dairy	**Date Received:**	7/8/2009
Lab ID:	0907129-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **TAF**
Chloride	1200	10		mg/L	100	7/9/2009 12:31:08 PM
Nitrogen, Nitrate (As N)	38	1.0		mg/L	10	7/9/2009 12:13:43 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KMS**
Total Dissolved Solids	3270	20.0		mg/L	1	7/10/2009
SM 4500 NORG C: TKN						Analyst: **LJB**
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	7/13/2009

Hall Environmental Analysis Laboratory, Inc.

Date: *16-Jul-09*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW-6
Lab Order:	0907129	**Collection Date:**	7/7/2009 1:36:00 PM
Project:	Gonzalez Dairy	**Date Received:**	7/8/2009
Lab ID:	0907129-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **TAF**
Chloride	1000	10		mg/L	100	7/9/2009 1:05:57 PM
Nitrogen, Nitrate (As N)	25	1.0		mg/L	10	7/9/2009 12:48:32 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KMS**
Total Dissolved Solids	2850	20.0		mg/L	1	7/10/2009
SM 4500 NORG C: TKN						Analyst: **LJB**
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	7/13/2009

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		

Hall Environmental Analysis Laboratory, Inc.

Date: *16-Jul-09*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	Lagoon
Lab Order:	0907129	**Collection Date:**	7/7/2009 12:01:00 PM
Project:	Gonzalez Dairy	**Date Received:**	7/8/2009
Lab ID:	0907129-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **RAGS**
Chloride	1900	20		mg/L	200	7/11/2009 6:40:16 AM
Nitrogen, Nitrate (As N)	ND	2.0		mg/L	20	7/9/2009 10:11:49 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KMS**
Total Dissolved Solids	7900	1000		mg/L	1	7/10/2009
SM 4500 NORG C: TKN						Analyst: **LJB**
Nitrogen, Kjeldahl, Total	250	10		mg/L	1	7/13/2009

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		

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GROUND WATER

JUL 2 8 2009

BUREAU

Hall Environmental Analysis Laboratory, Inc.

Date: *02-Jun-09*

CLIENT: Glorieta GeoScience
Lab Order: 0905133
Project: Gonzalez Dairy
Lab ID: 0905133-01

Client Sample ID: MW-1
Collection Date: 5/6/2009 2:58:00 PM
Date Received: 5/8/2009
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **TAF**
Chloride	1300	5.0		mg/L	50	5/8/2009 2:04:17 PM
Nitrogen, Nitrate (As N)	34	1.0		mg/L	10	5/8/2009 1:46:53 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **SNV**
Total Dissolved Solids	3700	100		mg/L	1	5/12/2009
SM 4500 NORG C: TKN						Analyst: **KMS**
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	5/20/2009

Hall Environmental Analysis Laboratory, Inc.

Date: *02-Jun-09*

CLIENT: Glorieta GeoScience
Lab Order: 0905133
Project: Gonzalez Dairy
Lab ID: 0905133-02

Client Sample ID: MW-2
Collection Date: 5/6/2009 3:28:00 PM
Date Received: 5/8/2009
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **TAF**
Chloride	1200	5.0		mg/L	50	5/8/2009 3:13:55 PM
Nitrogen, Nitrate (As N)	52	1.0		mg/L	10	5/8/2009 2:56:31 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **SNV**
Total Dissolved Solids	4000	100		mg/L	1	5/12/2009
SM 4500 NORG C: TKN						Analyst: **KMS**
Nitrogen, Kjeldahl, Total	ND	5.0		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		

GROUND WATER

JUL 28 2009

BUREAU

Hall Environmental Analysis Laboratory, Inc.

Date: *02-Jun-09*

CLIENT: Glorieta GeoScience
Lab Order: 0905133
Project: Gonzalez Dairy
Lab ID: 0905133-03

Client Sample ID: MW-3
Collection Date: 5/6/2009 4:10:00 PM
Date Received: 5/8/2009
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **TAF**
Chloride	450	2.0		mg/L	20	5/8/2009 3:48:44 PM
Nitrogen, Nitrate (As N)	0.97	0.10		mg/L	1	5/8/2009 3:31:19 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **SNV**
Total Dissolved Solids	1600	40		mg/L	1	5/12/2009
SM 4500 NORG C: TKN						Analyst: **KMS**
Nitrogen, Kjeldahl, Total	3.5	1.0		mg/L	1	5/18/2009

Hall Environmental Analysis Laboratory, Inc.

Date: *02-Jun-09*

CLIENT: Glorieta GeoScience
Lab Order: 0905133
Project: Gonzalez Dairy
Lab ID: 0905133-04

Client Sample ID: MW-4
Collection Date: 5/6/2009 4:25:00 PM
Date Received: 5/8/2009
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **TAF**
Chloride	1300	5.0		mg/L	50	5/8/2009 4:58:22 PM
Nitrate (As N)+Nitrite (As N)	32	2.0		mg/L	10	5/21/2009 7:02:12 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KMS**
Total Dissolved Solids	3800	20		mg/L	1	5/14/2009
SM 4500 NORG C: TKN						Analyst: **KMS**
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	5/20/2009

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Date: *02-Jun-09*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW-5
Lab Order:	0905133	**Collection Date:**	5/6/2009 5:05:00 PM
Project:	Gonzalez Dairy	**Date Received:**	5/8/2009
Lab ID:	0905133-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: TAF
Chloride	1100	5.0		mg/L	50	5/8/2009 5:33:12 PM
Nitrate (As N)+Nitrite (As N)	40	2.0		mg/L	10	5/21/2009 7:19:37 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: KMS
Total Dissolved Solids	3100	20		mg/L	1	5/14/2009
SM 4500 NORG C: TKN						Analyst: KMS
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	5/18/2009

Hall Environmental Analysis Laboratory, Inc.

Date: *02-Jun-09*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW-6
Lab Order:	0905133	**Collection Date:**	5/6/2009 5:35:00 PM
Project:	Gonzalez Dairy	**Date Received:**	5/8/2009
Lab ID:	0905133-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: TAF
Chloride	1000	5.0		mg/L	50	5/8/2009 6:42:48 PM
Nitrate (As N)+Nitrite (As N)	25	2.0		mg/L	10	5/21/2009 8:11:50 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: KMS
Total Dissolved Solids	2800	20		mg/L	1	5/14/2009
SM 4500 NORG C: TKN						Analyst: KMS
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	5/18/2009

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		

Hall Environmental Analysis Laboratory, Inc.

Date: *02-Jun-09*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	Lagoon
Lab Order:	0905133	**Collection Date:**	5/6/2009 4:17:00 PM
Project:	Gonzalez Dairy	**Date Received:**	5/8/2009
Lab ID:	0905133-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: TAF
Chloride	1300	5.0		mg/L	50	5/10/2009 1:54:51 AM
Nitrogen, Nitrate (As N)	ND	1.0		mg/L	10	5/8/2009 4:06:08 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: KMS
Total Dissolved Solids	7600	400		mg/L	1	5/14/2009
SM 4500 NORG C: TKN						Analyst: KMS
Nitrogen, Kjeldahl, Total	420	20		mg/L	1	5/18/2009

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-177

Hall Environmental Analysis Laboratory, Inc.

Date: *03-Feb-09*

CLIENT: Glorieta GeoScience
Lab Order: 0901338
Project: Gonzalez Dairy
Lab ID: 0901338-02

Client Sample ID: MW-1
Collection Date: 1/22/2009 3:51:00 PM
Date Received: 1/23/2009
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
						Analyst: RAGS
EPA METHOD 300.0: ANIONS						
Chloride	1300	5.0		mg/L	50	1/27/2009 8:49:58 PM
Nitrate (As N)+Nitrite (As N)	33	2.0		mg/L	10	1/27/2009 9:07:23 PM
						Analyst: KMS
SM 2540 C: TOTAL DISSOLVED SOLIDS						
Total Dissolved Solids	3700	200		mg/L	1	1/26/2009
						Analyst: TAF
SM 4500 NORG C: TKN						
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	1/28/2009

Hall Environmental Analysis Laboratory, Inc.

Date: *03-Feb-09*

CLIENT: Glorieta GeoScience
Lab Order: 0901338
Project: Gonzalez Dairy
Lab ID: 0901338-03

Client Sample ID: MW-2
Collection Date: 1/22/2009 4:37:00 PM
Date Received: 1/23/2009
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
						Analyst: RAGS
EPA METHOD 300.0: ANIONS						
Chloride	1300	5.0		mg/L	50	1/27/2009 9:24:47 PM
Nitrate (As N)+Nitrite (As N)	72	2.0		mg/L	10	1/27/2009 10:17:01 PM
						Analyst: KMS
SM 2540 C: TOTAL DISSOLVED SOLIDS						
Total Dissolved Solids	4000	400		mg/L	1	1/26/2009
						Analyst: TAF
SM 4500 NORG C: TKN						
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	1/28/2009

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

Hall Environmental Analysis Laboratory, Inc.

Date: *03-Feb-09*

CLIENT: Glorieta GeoScience
Lab Order: 0901338
Project: Gonzalez Dairy
Lab ID: 0901338-06

Client Sample ID: MW-3
Collection Date: 1/22/2009 6:21:00 PM
Date Received: 1/23/2009
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: RAGS
Chloride	370	2.0		mg/L	20	1/27/2009 11:44:04 PM
Nitrate (As N)+Nitrite (As N)	1.0	1.0		mg/L	5	1/28/2009 12:01:29 AM
SM 2540 C: TOTAL DISSOLVED SOLIDS						Analyst: KMS
Total Dissolved Solids	1600	200		mg/L	1	1/27/2009
SM 4500 NORG C: TKN						Analyst: TAF
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	1/28/2009

Hall Environmental Analysis Laboratory, Inc.

Date: *03-Feb-09*

CLIENT: Glorieta GeoScience
Lab Order: 0901338
Project: Gonzalez Dairy
Lab ID: 0901338-05

Client Sample ID: MW-4
Collection Date: 1/22/2009 5:32:00 PM
Date Received: 1/23/2009
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: RAGS
Chloride	1200	5.0		mg/L	50	1/27/2009 11:09:15 PM
Nitrate (As N)+Nitrite (As N)	26	2.0		mg/L	10	1/27/2009 11:26:39 PM
SM 2540 C: TOTAL DISSOLVED SOLIDS						Analyst: KMS
Total Dissolved Solids	1700	200		mg/L	1	1/28/2009
SM 4500 NORG C: TKN						Analyst: TAF
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	1/28/2009

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		

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Hall Environmental Analysis Laboratory, Inc.

Date: *03-Feb-09*

CLIENT:	Glorieta GeoScience	Client Sample ID:	MW-5
Lab Order:	0901338	Collection Date:	1/22/2009 2:38:00 PM
Project:	Gonzalez Dairy	Date Received:	1/23/2009
Lab ID:	0901338-01	Matrix:	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: RAGS
Chloride	1100	5.0		mg/L	50	1/27/2009 8:16:09 PM
Nitrate (As N)+Nitrite (As N)	40	2.0		mg/L	10	1/27/2009 8:32:33 PM
SM 2540 C: TOTAL DISSOLVED SOLIDS						Analyst: KMS
Total Dissolved Solids	3000	200		mg/L	1	1/28/2009
SM 4500 NORG C: TKN						Analyst: TAF
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	1/28/2009

Hall Environmental Analysis Laboratory, Inc.

Date: *03-Feb-09*

CLIENT:	Glorieta GeoScience	Client Sample ID:	MW-6
Lab Order:	0901338	Collection Date:	1/22/2009 6:40:00 PM
Project:	Gonzalez Dairy	Date Received:	1/23/2009
Lab ID:	0901338-07	Matrix:	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: RAGS
Chloride	960	5.0		mg/L	50	1/28/2009 12:18:53 AM
Nitrate (As N)+Nitrite (As N)	23	2.0		mg/L	10	1/28/2009 12:36:17 AM
SM 2540 C: TOTAL DISSOLVED SOLIDS						Analyst: KMS
Total Dissolved Solids	2800	200		mg/L	1	1/27/2009
SM 4500 NORG C: TKN						Analyst: TAF
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	1/28/2009

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		

Hall Environmental Analysis Laboratory, Inc.

Date: *03-Feb-09*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	Lagoon East
Lab Order:	0901338	**Collection Date:**	1/22/2009 5:25:00 PM
Project:	Gonzalez Dairy	**Date Received:**	1/23/2009
Lab ID:	0901338-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: RAGS
Chloride	970	5.0		mg/L	50	1/27/2009 10:34:26 PM
Nitrate (As N)+Nitrite (As N)	ND	2.0		mg/L	10	1/27/2009 10:51:50 PM
SM 2540 C: TOTAL DISSOLVED SOLIDS						Analyst: KMS
Total Dissolved Solids	4800	400		mg/L	1	1/26/2009
SM 4500 NORG C: TKN						Analyst: TAF
Nitrogen, Kjeldahl, Total	400	10		mg/L	1	1/28/2009

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		

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Hall Environmental Analysis Laboratory, Inc.

Date: *03-Nov-08*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW-1
Lab Order:	0810185	**Collection Date:**	10/7/2008 5:46:00 PM
Project:	Gonzalez Dairy	**Date Received:**	10/9/2008
Lab ID:	0810185-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Chloride	1300	5.0		mg/L	50	10/9/2008 11:55:12 AM
Nitrogen, Nitrate (As N)	34	1.0		mg/L	10	10/9/2008 11:37:48 AM
SM 2540C: TDS						Analyst: **KMB**
Total Dissolved Solids	3800	20		mg/L	1	10/9/2008
SM 4500 NORG C: TKN						Analyst: **TAF**
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	10/12/2008

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		

Hall Environmental Analysis Laboratory, Inc.

Date: *03-Nov-08*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW-2
Lab Order:	0810185	**Collection Date:**	10/7/2008 5:27:00 PM
Project:	Gonzalez Dairy	**Date Received:**	10/9/2008
Lab ID:	0810185-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: IC
Chloride	1100	5.0		mg/L	50	10/31/2008 10:13:17 AM
Nitrogen, Nitrate (As N)	44	1.0		mg/L	10	10/9/2008 12:12:36 PM
SM 2540C: TDS						Analyst: KMB
Total Dissolved Solids	3800	20		mg/L	1	10/9/2008
SM 4500 NORG C: TKN						Analyst: TAF
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	10/12/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
B	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		

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Hall Environmental Analysis Laboratory, Inc.

Date: *03-Nov-08*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW-3
Lab Order:	0810185	**Collection Date:**	10/7/2008 4:09:00 PM
Project:	Gonzalez Dairy	**Date Received:**	10/9/2008
Lab ID:	0810185-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Chloride	400	2.0		mg/L	20	10/9/2008 1:04:50 PM
Nitrogen, Nitrate (As N)	0.37	0.10		mg/L	1	10/9/2008 12:47:26 PM
SM 2540C: TDS						Analyst: **KMB**
Total Dissolved Solids	1500	20		mg/L	1	10/9/2008
SM 4500 NORG C: TKN						Analyst: **TAF**
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	10/12/2008

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		

Hall Environmental Analysis Laboratory, Inc.

Date: *03-Nov-08*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW-4
Lab Order:	0810185	**Collection Date:**	10/7/2008 4:02:00 PM
Project:	Gonzalez Dairy	**Date Received:**	10/9/2008
Lab ID:	0810185-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Chloride	1100	5.0		mg/L	50	10/9/2008 2:14:29 PM
Nitrogen, Nitrate (As N)	25	1.0		mg/L	10	10/9/2008 1:57:04 PM
SM 2540C: TDS						Analyst: **KMB**
Total Dissolved Solids	3600	20		mg/L	1	10/9/2008
SM 4500 NORG C: TKN						Analyst: **TAF**
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	10/12/2008

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		

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Hall Environmental Analysis Laboratory, Inc.

Date: *03-Nov-08*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW-5
Lab Order:	0810185	**Collection Date:**	10/7/2008 4:44:00 PM
Project:	Gonzalez Dairy	**Date Received:**	10/9/2008
Lab ID:	0810185-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Chloride	1000	5.0		mg/L	50	10/9/2008 3:58:56 PM
Nitrogen, Nitrate (As N)	41	1.0		mg/L	10	10/9/2008 3:41:31 PM
SM 2540C: TDS						Analyst: **KMB**
Total Dissolved Solids	3200	20		mg/L	1	10/9/2008
SM 4500 NORG C: TKN						Analyst: **TAF**
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	10/12/2008

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		

Hall Environmental Analysis Laboratory, Inc.

Date: *03-Nov-08*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW-6
Lab Order:	0810185	**Collection Date:**	10/7/2008 3:13:00 PM
Project:	Gonzalez Dairy	**Date Received:**	10/9/2008
Lab ID:	0810185-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Chloride	890	5.0		mg/L	50	10/15/2008 12:01:40 AM
Nitrogen, Nitrate (As N)	23	2.0		mg/L	20	10/9/2008 2:49:18 PM
SM 2540C: TDS						Analyst: **KMB**
Total Dissolved Solids	2700	20		mg/L	1	10/9/2008
SM 4500 NORG C: TKN						Analyst: **TAF**
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	10/12/2008

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		

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Hall Environmental Analysis Laboratory, Inc.

Date: *03-Nov-08*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	Lagoon East
Lab Order:	0810185	**Collection Date:**	10/7/2008 3:48:00 PM
Project:	Gonzalez Dairy	**Date Received:**	10/9/2008
Lab ID:	0810185-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Chloride	1500	5.0		mg/L	50	10/15/2008 12:19:05 AM
Nitrogen, Nitrate (As N)	ND	2.0		mg/L	20	10/9/2008 3:06:43 PM
SM 2540C: TDS						Analyst: **KMB**
Total Dissolved Solids	7700	400		mg/L	20	10/9/2008
SM 4500 NORG C: TKN						Analyst: **TAF**
Nitrogen, Kjeldahl, Total	320	10		mg/L	1	10/12/2008

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		

Hall Environmental Analysis Laboratory, Inc.

Date: *03-Nov-08*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	Lagoon West
Lab Order:	0810185	**Collection Date:**	10/7/2008 3:59:00 PM
Project:	Gonzalez Dairy	**Date Received:**	10/9/2008
Lab ID:	0810185-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Chloride	760	2.0		mg/L	20	10/9/2008 3:24:07 PM
Nitrogen, Nitrate (As N)	ND	2.0		mg/L	20	10/9/2008 3:24:07 PM
SM 2540C: TDS						Analyst: **KMB**
Total Dissolved Solids	4100	200		mg/L	10	10/10/2008
SM 4500 NORG C: TKN						Analyst: **TAF**
Nitrogen, Kjeldahl, Total	410	10		mg/L	1	10/12/2008

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		

Archana, Inc
Environmental . Geotechnical . Construction Quality Control

Client Information:
Gonzalez Dairy, Inc
P. O. Box 199
Mesquite, New Mexico 88048
ATTN: Mr. Artemio Gonzalez
Laboratory Project No: 120206005
Sample Collection Date: 12-01-06
Report Date: 12-12-06

Report of Monitoring of Wells, Lagoons, and Analytical Record

Laboratory ID	Sample Collection Date	Well or Lagoon No.	Well dia. (In.)	Depth to water surface (Ft.)	Total depth of the well (Ft.)	Nitrate (as N) (mg/l)	Total Kjeldahl Nitrogen (as N) (mg/l)	Chloride (mg/l)	Total dissolved Solids (mg/l)
120206005-1	12-01-06	1	4	13.8	26.1	30.6	2.8	1440	4104
120206005-2	12-01-06	2	4	14.8	25.8	96.9	3.36	1440	5100
120206005-3	12-01-06	3	4	16.6	47.9	5.4	3.08	880	1604
120206005-4	12-01-06	4	4	21.1	46.9	36.6	2.80	1114	3484
120206005-5	12-01-06	5	4	33.0	49.5	33.6	2.80	1024	2848
120206005-6	12-01-06	6	4	47.2	52.3	23.6	2.52	820	2740
		7	4	Dry Well					
120206005-7	12-01-06	Lagoon	N/a	N/a	N/a	< 4	260.4	1800	5252

Additional Information:

Parameter:	Method Ref:	Date Analyzed:	Analyst:
Nitrate (as N)	EPA 353.2	12-04-06	Joseph Limon
Total Kjeldahl Nitrogen (as N)	EPA 351.3	12-06-06	Joseph Limon
Chloride	EPA 325.2	12-04-06	Elizabeth Gonzales
Total dissolved Solids	EPA 160.1	12-04-06	Elizabeth Gonzales

DP-177

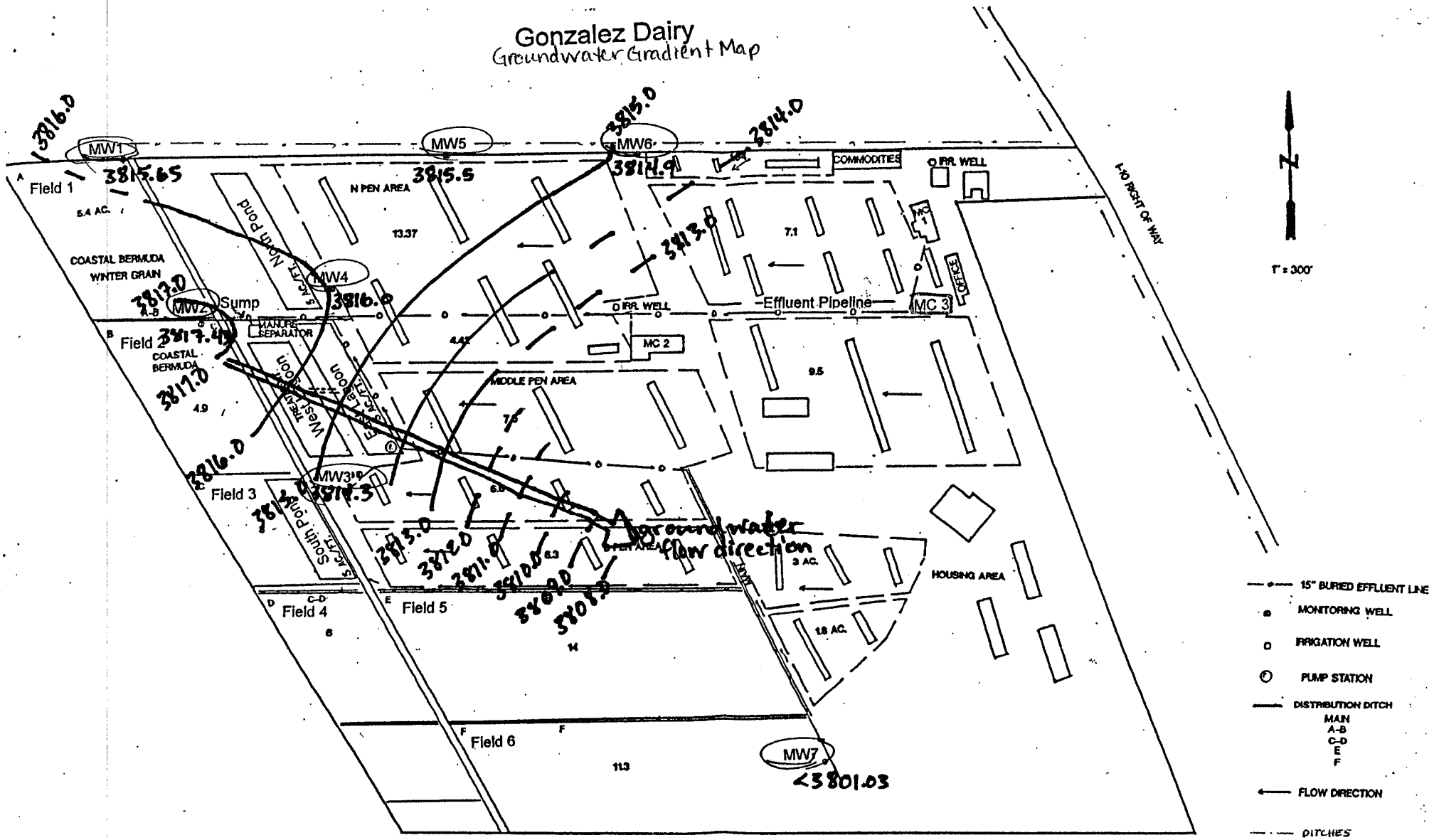
Pratap G. Reddy, Ph.D.
Archana, Inc

MW-2
↳ Highest NO_3-N Reported
↳ Source Monitored: LAA

MW-1
↳ Upgradient MW

1155 Larry Mahan Drive, Suite B, El Paso, Texas 79925
Tel: (915) 599-2183, Fax: (915) 592-4659 www.archanaUSA.com e-mail preddy@archanausa.com

Gonzalez Dairy
Groundwater Gradient Map



GONZALES

Archana, Inc.

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Client Information:
Gonzalez Dairy, Inc.
P. O. Box 199
Mesquite, New Mexico
ATTN: Mr. Artemio Gonzalez

Laboratory Project No: 032002012
Sample Collection Date: 03-20-02
Report Date: 04-08-02

Report of Monitoring of Wells, Lagoons, and Analytical Record

Laboratory ID	Sample Collection Date	Well or Lagoon No.	Well dia. (In.)	Depth to water surface (Ft.)	Total depth of the well (Ft.)	Nitrate (as N) (mg/l)	Total Kjeldahl Nitrogen (as N) (mg/l)	Chloride (mg/l)	Total dissolved Solids (mg/l)
032002012-1	03-20-02	1	4	13.1	25.4	43.4	1.40	1180	3853
032002012-2	03-20-02	2	4	12.5	24.8	28.9	1.96	1180	3333
032002012-3	03-20-02	3	4	13.8	46.3	32.2	3.64	1260	3467
032002012-4	03-20-02	4	4	18.1	46.4	10.8	1.12	1180	3320
032002012-5	03-20-02	5	4	30.2	49.1	34.7	1.96	1000	3607
032002012-6	03-20-02	6	4	51.0	52.0	43.9	3.64	900	2774
032002012-7	03-20-02	7	4	38.8	40.7	33.9	1.96	1660	4523
032002012-8	03-20-02	Lagoon	N/a	N/a	N/a	< 0.047	448	1450	7540

Additional Information:

Parameter:	**Method Ref:**	**Date Analyzed:**	**Analyst:**
Nitrate (as N)	SM 4500-NO_3-C	03-22-02	TX. A&M Research Center at El Paso
Total Kjeldahl Nitrogen (as N)	EPA 351.3	03-27-02	F. Ramirez
Chloride	EPA 325.2	03-25-02	F. Ramirez
Total dissolved Solids	EPA 160.1	03-25-02	F. Ramirez

DP-177
Highest Wastewater TKN Reported for Most Recent Permit Term

Pratap G. Reddy, M.S.
Archana, Inc.

1155 Larry Mahan Drive, Suite B • El Paso, Texas 79925
(915) 599-2183 • Fax 599-8849 • E-mail: archanainc@aol.com
Visit Our Website at: http://members.aol.com/archanainc/archanainc.htm

Archana, Inc.

JUL 12 2005

Client Information:
Gonzalez Dairy, Inc
P. O. Box 199
Mesquite, New Mexico 88048
ATTN: Mr. Artemio Gonzalez
Laboratory Project No: 030805015
Sample Collection Date: 03-07-05
Report Date: 04-08-05

Report of Monitoring of Wells, Lagoons, and Analytical Record

Laboratory ID	Sample Collection Date	Well or Lagoon No.	Well dia. (In.)	Depth to water surface (Ft.)	Total depth of the well (Ft.)	Nitrate (as N) (mg/l)	Total Kjeldahl Nitrogen (as N) (mg/l)	Chloride (mg/l)	Total dissolved Solids (mg/l)
030805015-1	03-07-05	1	4	15.9	26.1	44.5	0.28	1070	3228
030805015-2	03-07-05	2	4	15.0	25.8	31.9	0.84	1375	3284
030805015-3	03-07-05	3	4	17.1	47.9	18.9	< 0.01	565	1940
030805015-4	03-07-05	4	4	21.5	46.9	54.6	0.56	1220	2908
030805015-5	03-07-05	5	4	34.6	49.5	47.3	0.56	950	2720
030805015-6	03-07-05	6	4	47.0	52.3	34.9	0.28	815	2252
		7	4	Dry Well					
030805015-7	03-07-05	Lagoon	N/a	N/a	N/a	0.8	100.8	920	4952

Additional Information:

Parameter:	**Method Ref:**	**Date Analyzed:**	**Analyst:**
Nitrate (as N)	EPA 353.2	03-30-05	Y. Chee/A. Jaquez
Total Kjeldahl Nitrogen (as N)	EPA 351.3	03-17-05	Y. Chee/A. Jaquez
Chloride	EPA 325.2	03-10-05	Y. Chee/A. Jaquez
Total dissolved Solids	EPA 160.1	03-10-04	Y. Chee/A. Jaquez

Pratap G. Reddy, Ph.D.
Archana, Inc.

ENTERED

DP-177

Lowest Wastewater TKN Reported for Most Recent Permit Term

1155 Larry Mahan Drive, Suite B • El Paso, Texas 79925
(915) 599-2183 • Fax (915) 592-4659 • www.archanausa.com