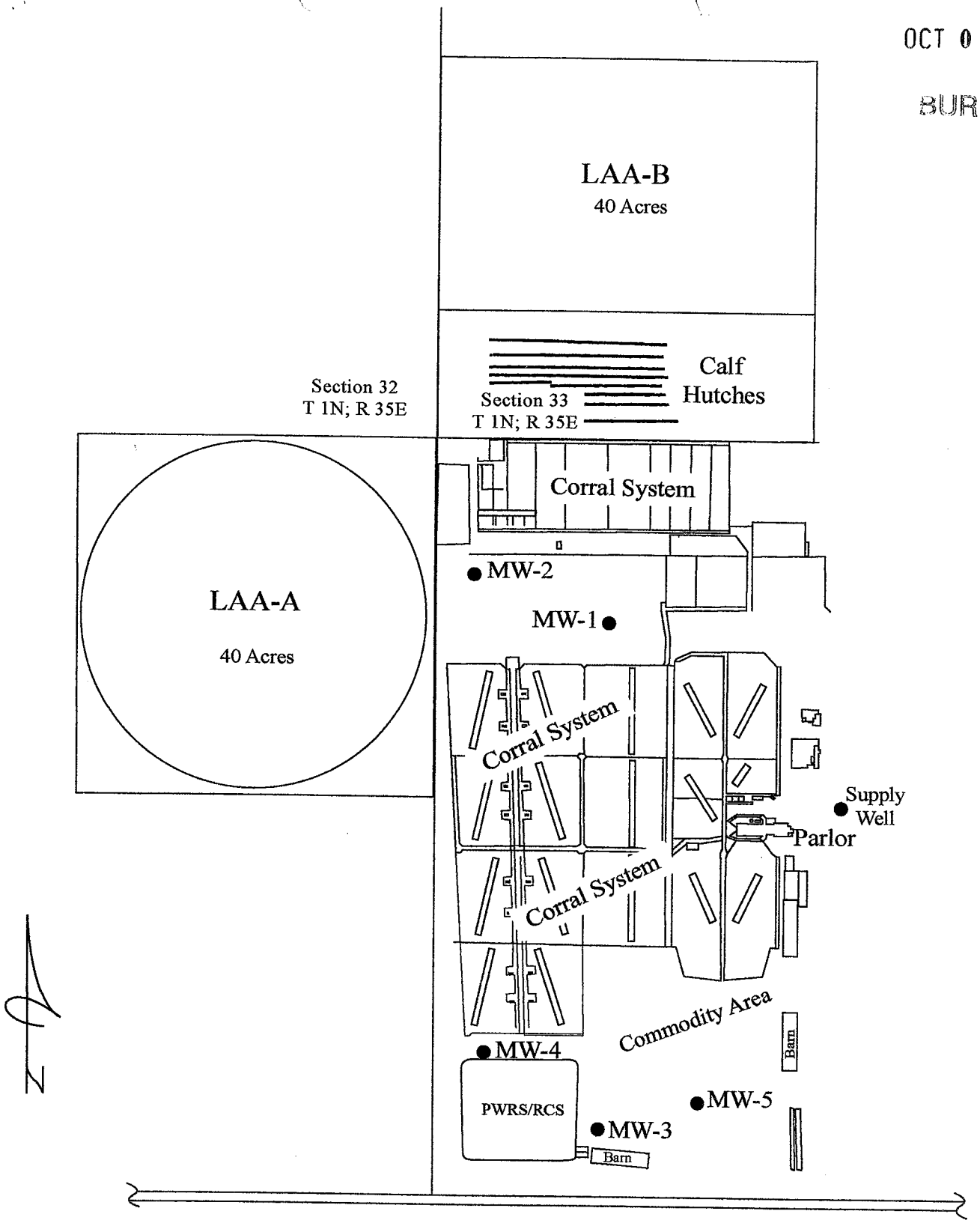
DP - 299

GROUND WATER

OCT 03 2008

BUREAU



Enviro Compliance Services, Inc.

Office: (505) 762-9674 Fax: (505) 762-3749

Providing Management Assistance for Environmental Compliance Since 1981

Title: Blackwater Draw (Mirage) Dairy Overall Site Layout		DP-299
Date: 7/8/2008	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

GROUND WATER

MAR 1 8 2009

BUREAU

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: 01/16/09 @ 0 °C
Reporting Date: 01/27/09
Project Number: DP-299
Project Name: BLACKWATER DRAW DAIRY
Project Location: PORTALES, NM

Sampling Date: 01/14/09 @ 8:30
Sample Type: WELL H_2O, WASTE H_2O
Sample Condition: COOL & INTACT
Sample Received By: LA
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:		01/19/09	01/22/09	01/26/09	01/23/09
Time Analysis Batch Started:		10:45	10:00	10:30	10:30
AN14121-1	MW 1	710	75	< 0.2 *	32.6 Leg
AN14121-2	MW 3	485	40	0.2	1.4
AN14121-3	MW 4	475	30	0.7	3.4
AN14121-4	MW 5	610	55	0.4	9.3
AN14121-5	PWRS	4,520	580	135	0.04
Date Analysis Batch Finished:		01/20/09	01/22/09	01/27/09	01/23/09
Time Analysis Batch Finished:		10:00	17:25	14:30	17:00
Blank		< 1	< 1	< 0.2	< 0.01
Quality Control		1010	50	5.14	1.0060
True Value QC		1000	50	5.00	1.0000
% Instrument Accuracy		101	100	103	101
% Extraction Accuracy		N/A	100	99	102
Relative Percent Difference		0	0	2	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.

01-27-09
Date

Advanced Analysis, Inc.

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GROUND WATER

OCT 03 2008

BUREAU

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: 08/28/08 @ 1 °C
Reporting Date: 09/22/08
Project Number: DP-299
Project Name: BLACKWATER DRAW DAIRY
Project Location: CLOVIS, NM

Sampling Date: 08/27/08 @ 8:30
Sample Type: WELL 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:		09/02/08	09/05/08	09/02/08	09/09/08
Time Analysis Batch Started:		9:50	15:25	9:00	12:25
AM13526-1	MW 1	830	80	0.4	17.7
AM13526-2	MW 3	575	40	< 0.2 *	2.9
AM13526-3	MW 4	450	30	< 0.2 *	3.3
AM13526-4	MW 5	650	55	< 0.2 *	17.8
Date Analysis Batch Finished:		09/04/08	09/025/08	09/02/08	09/09/08
Time Analysis Batch Finished:		9:20	16:30	17:20	18:00
Blank		< 1	< 1	< 0.2	< 0.01
Quality Control		996	50	5.08	0.4996
True Value QC		1000	50	5.00	1.0000
% Instrument Accuracy		100	100	102	100
% Extraction Accuracy		N/A	101	86	101
Relative Percent Difference		1	0	1	3

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

*Less than the Minimum Detection Limit.

Mario Rodriguez, Director.

9-22-08
Date

Advanced Analysis, Inc.

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

GROUND WATER

SEP 1 8 2008

BUREAU

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: 07/09/08 @ 6 °C
Reporting Date: 07/25/08
Project Number: DP-299
Project Name: BLACKWATER DRAW DAIRY
Project Location: PORTALES, NM

Sampling Date: 07/08/08 @ 15:50
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:		07/10/08	07/14/08	07/24/08	07/17/08
Time Analysis Batch Started:		14:45	11:40	8:40	8:45
AM13308-1	MW 1	750	75	0.3	38.7
AM13308-3	MW 3	590	45	< 0.2 *	3.3
AM13308-4	MW 4	445	30	< 0.2 *	2.0
AM13308-5	MW 5	625	50	0.5	13.0
AM13308-6	PWRS	4,465	580	180	0.09
Date Analysis Batch Finished:		07/11/08	07/14/08	07/24/08	07/17/08
Time Analysis Batch Finished:		15:30	17:15	16:00	16:30
Blank		< 1	< 1	< 0.2	< 0.01
Quality Control		1002	50	5.07	0.5430
True Value QC		1000	50	5.00	0.5000
% Instrument Accuracy		100	100	101	107
% Extraction Accuracy		N/A	100	88	96
Relative Percent Difference		1	0	6	1
METHODS: EPA 600/4-79-020,		160.1	4500B-Cl	351.4	353.3

* Less than the Minimum Detection Limit.

Mario Rodriguez

Mario Rodriguez, Director.

07-25-08

Date

Advanced Analysis, Inc.

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GROUND WATER

SEP 1 8 2008

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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: 03/26/08 @ 1 °C
Reporting Date: 04/11/08
Project Number: DP-299
Project Name: MIRAGE DAIRY
Project Location: PORTALES, NM

Sampling Date: 03/09/08
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:		03/27/08	04/01/08	04/03/08	04/08/08
Time Analysis Batch Started:		10:00	9:30	11:00	9:00
AM12862-1	MW 1	670	75	< 0.2 *	44.2
AM12862-2	MW 2	455	30	< 0.2 *	15.1
AM12862-3	MW 3	525	40	< 0.2 *	1.5
AM12862-4	MW 4	490	40	0.3	3.6
AM12862-5	MW 5	625	55	0.3	15.9
AM12862-6	PWRS	3,900	440	135	0.11
Date Analysis Batch Finished:		03/28/08	04/01/08	04/04/08	04/08/08
Time Analysis Batch Finished:		9:40	12:50	17:30	15:00
Blank		< 1	< 1	< 0.2	< 0.01
Quality Control		984	51	5.54	1.0224
True Value QC		1000	50	5.00	1.0000
% Instrument Accuracy		98	102	111	102
% Extraction Accuracy		N/A	98	88	95
Relative Percent Difference		1	1	1	2
METHODS: EPA 600/4-79-020,		160.1	4500B-Cl⁻	351.4	353.3

* Less than the Minimum Detection Limit.

Mario Rodriguez, Director.

04-12-08
Date

Advanced Analysis, Inc.

5601 19th Street Lubbock, Texas 79407 P.O. Box 16652 Lubbock,Texas 79490
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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: 06/30/06
Reporting Date: 07/11/06
Project Number: DP-299
Project Name: MIRAGE DAIRY
Project Location: PORTALES, NM

Sampling Date: 06/28/06
Sample Type: WELL H_2O, WASTE H_2O
Sample Condition: COOL & INTACT
Sample Received By: RG
Analyzed By: TE, RG

LAB NUMBER	SAMPLE ID	TDS (mg/L)	Chlorides (mg/L)	TKN (mg/L)	NO_3-NO_2-N (mg/L)
Date Analysis Batch Started:		06/30/06	07/05/06	07/06/06	06/30/06
Time Analysis Batch Started:		9:10	13:58	11:00	9:05
AK10655-1	MW 1	880	90	0.8	48.2
AK10655-2	MW 2	400	25	< 0.2 *	7.9
AK10655-3	MW 3	580	45	< 0.2 *	2.6
AK10655-4	MW 4	500	40	< 0.2 *	2.3
AK10655-5	MW 5	690	60	< 0.2 *	21.2
AK10655-6	PWRS	3,300	390	460	0.23
Date Analysis Batch Finished:		07/03/06	07/05/06	07/07/06	06/30/06
Time Analysis Batch Finished:		10:35	16:42	12:00	16:10
Blank		< 1	< 1	< 0.2	< 0.01
Quality Control		998	50	5.46	0.3083
True Value QC		1000	50	5.00	0.3000
% Instrument Accuracy		100	100	109	103
% Extraction Accuracy		N/A	99	111	109
Relative Percent Difference		2	2	4	0
METHODS: EPA 600/4-79-020,		160.1	4500B-Cl	351.4	353.3

* Less than the Minimum Detection Limit.

Mario Rodriguez, Director.

07-11-06
Date

299

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
212 TUCKER AVE.
CLOVIS, NM 88101-3231
PHONE: (505) 762-9674
FAX: (505) 762-3749

Receiving Date: 01/20/03
Reporting Date: 01/27/03
Project Number: DP-299
Project Name: MIRAGE DAIRY
Project Location: PORTALES, NM

Sampling Date: 01/20/03
Sample Type: WELL H_2O, WASTE H_2O
Sample Condition: COOL & INTACT
Sample Received By: MR
Analyzed By: MJ, BS

LAB NUMBER	SAMPLE ID	TDS (mg/L)	Chlorides (mg/L)	TKN (mg/L)	NO_3-NO_2-N (mg/L)
Date Analysis Batch Started:		01/24/03	01/20/03	01/27/03	01/21/03
Time Analysis Batch Started:		12:30	14:50	15:45	10:00
AH5775-1	MW 1	910	91	0.4	55.5
AH5775-2	MW 2	355	15	0.4	5.2
AH5775-3	PWRS	2500	205	39.2	0.44
Date Analysis Batch Finished:		01/15/03	01/20/03	01/27/03	01/21/03
Time Analysis Batch Finished:		14:50	17:00	20:10	17:45
Blank		< 1	< 1	< 0.2	< 0.01
Quality Control		980	101	5.26	0.3149
True Value QC		1000	100	5.00	0.3000
% Instrument Accuracy		98	101	105	105
% Extraction Accuracy		N/A	100	111	113
Relative Percent Difference		2	0	12	9
METHODS: EPA 600/4-79-020,		160.1	4500B-Cl	351.4	353.3

* Less than the Minimum Detection Limit.

Mario Rodriguez

Mario Rodriguez, Director.

01-27-03

Date

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: 06/30/06
Reporting Date: 07/11/06
Project Number: DP-299
Project Name: MIRAGE DAIRY
Project Location: PORTALES, NM

Sampling Date: 06/28/06
Sample Type: WELL H_2O, WASTE H_2O
Sample Condition: COOL & INTACT
Sample Received By: RG
Analyzed By: TE, RG

LAB NUMBER	SAMPLE ID	TDS (mg/L)	Chlorides (mg/L)	TKN (mg/L)	NO_3-NO_2-N (mg/L)
Date Analysis Batch Started:		06/30/06	07/05/06	07/06/06	06/30/06
Time Analysis Batch Started:		9:10	13:58	11:00	9:05
AK10655-1	MW 1	880	90	0.8	48.2
AK10655-2	MW 2	400	25	< 0.2 *	7.9
AK10655-3	MW 3	580	45	< 0.2 *	2.6
AK10655-4	MW 4	500	40	< 0.2 *	2.3
AK10655-5	MW 5	690	60	< 0.2 *	21.2
AK10655-6	PWRS	3,300	390	460	0.23
Date Analysis Batch Finished:		07/03/06	07/05/06	07/07/06	06/30/06
Time Analysis Batch Finished:		10:35	16:42	12:00	16:10
Blank		< 1	< 1	< 0.2	< 0.01
Quality Control		998	50	5.46	0.3083
True Value QC		1000	50	5.00	0.3000
% Instrument Accuracy		100	100	109	103
% Extraction Accuracy		N/A	99	111	109
Relative Percent Difference		2	2	4	0
METHODS: EPA 600/4-79-020,		160.1	4500B-Cl⁻	351.4	353.3

* Less than the Minimum Detection Limit.

Mario Rodriguez, Director.

07-11-06
Date

299

Advanced Analysis & Laboratory Services

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
212 TUCKER AVE.
CLOVIS, NM 88101-3231
PHONE: (505) 762-9674
FAX: (505) 762-3749

NOV 19 2001
GROUND WATER BUREAU

Receiving Date: 07/09/01
Reporting Date: 09/21/01
Project Number: DP-299
Project Name: MIRAGE DAIRY
Project Location: PORTALES, NM

Sampling Date: 07/08/01
Sample Type: WELL H_2O, WASTE H_2O
Sample Condition: COOL & INTACT
Sample Received By: MR
Analyzed By: GV, SB

LAB NUMBER	SAMPLE ID	TDS (mg/L)	Chlorides (mg/L)	TKN (mg/L)	NO_3-NO_2-N (mg/L)
ANALYSIS DATE:		07/11/01	07/10/01	07/19/01	07/09/01
AF3847-1	MW 1	490	28	< 0.2 *	12.1
AF3847-2	MW 2	4455	125	0.6	184
AF3847-3	PWRS	N/A	N/A	353	0.4
Blank		< 1	< 1	< 0..2	< 0.01
Quality Control		1044	50	5.16	0.3048
True Value QC		1000	50	5.00	0.3000
% Instrument Accuracy		104	100	103	102
% Extraction Accuracy		N/A	96	94	101
Relative Percent Difference		4	0	5	0
METHODS: EPA 600/4-79-020,		160.1	4500B	351.4	353.3

~~[illegible]~~ swimp.

Mario Rodriguez
Mario Rodriguez, Chemist

07/21/01

SW unlined
~~lagoon - flyash liner~~