

2 of 2

UICI - 005

AGUA MOSS LLC

**ANNUAL
REPORT**

2012

SECOND QUARTER LANDFARM SOIL SAMPLING AND ANALYSIS REPORT

SITE NAME:

**AGUA MOSS LANDFARM
CELL #1 AND CELL #2
SECTION 2, TOWNSHIP 29 NORTH, RANGE 12 WEST
SAN JUAN COUNTY, NEW MEXICO**

SUBMITTED TO:

**MS. PHILANA THOMPSON
AGUA MOSS
345 CR 350
FARMINGTON, NEW MEXICO 87401**

SUBMITTED BY:

**ENVIROTECH, INC
5796 HIGHWAY 64
FARMINGTON, NEW MEXICO 87401
(505) 632-0615**

JULY 2012



July 20, 2012

Project Number: 07117-0004

Ms. Philana Thompson
Regulatory Compliance
Agua Moss
345 CR 350
Farmington, New Mexico 87401

Phone: (505)-324-5336

**RE: SECOND QUARTER LANDFARM SAMPLING AND ANALYSIS REPORT, AGUA MOSS
LANDFARM, SAN JUAN COUNTY, NEW MEXICO**

Dear Ms. Thompson:

Please find enclosed the Second Quarter Landfarm Sampling and Analysis Report for the Agua Moss Landfarm located in Section 2, Township 29 North, Range 12 West, San Juan County, New Mexico.

If you have any questions or require additional information, please contact our office at (505) 632-0615.

Respectfully Submitted,
ENVIROTECH, INC.

A handwritten signature in black ink, appearing to read 'Chris Arrigo', written over a horizontal line.

Christopher Arrigo
Environmental Scientist
carrigo@envirotech-inc.com

Enclosure: Second Quarter Landfarm Sampling and Analysis Report

Cc: Client File Number: 07117

**SECOND QUARTER LANDFARM SOIL SAMPLING
AND ANALYSIS REPORT
AGUA MOSS LANDFARM
CELL #1 AND CELL #2
SECTION 2, TOWNSHIP 29 NORTH, RANGE 12 WEST
SAN JUAN COUNTY, NEW MEXICO**

TABLE OF CONTENTS

<u>INTRODUCTION</u>	1
<u>ACTIVITIES PERFORMED</u>	1
<u>SUMMARY AND CONCLUSIONS</u>	1
<u>STATEMENT OF LIMITATIONS</u>	2

Figures: Figure 1, Vicinity Map
 Figure 2, Sampling Grid Diagram

Tables: Table 1, Summary of Analytical Results

Appendices: Appendix A, Analytical Results
 Appendix B, Field Notes

INTRODUCTION

Envirotech, Inc. of Farmington, New Mexico, was contracted by Agua Moss to provide sampling and analysis services for the Agua Moss Farmington-NM-01-0009 landfarm located in Section 2, Township 29 North, Range 12 West, San Juan County, New Mexico; see *Figure 1, Vicinity Map*. Activities included sample collection and analysis, documentation and reporting.

ACTIVITIES PERFORMED

Envirotech personnel performed soil sampling activities on July 10, 2012, at the Agua Moss landfarm. Envirotech personnel divided Cell #1 into four (4) separate sampling grids and Cell #2 into two (2) sections (North and South) with eight (8) separate sampling grids per section, for a total of (16) separate sampling grids. These sampling areas will be referred to as C1 - (1 to 4), C2N - (1 to 8), and C2S - (1 to 8); see *Figure 2, Sampling Grid Diagram*. Random samples were determined by "Out of Hat" drawing.

Using a hand auger, one (1) random sample was collected from Cell #1 and designated as C1-3. Two (2) random samples were collected from Cell #2; one (1) sample was collected from the North section and designated as C2N-1 and one (1) sample was collected from the South section and designated as C2S-2; see *Figure 2, Sampling Grid Diagram* and *Appendix B, Field Notes*. Each soil sample was collected two (2) to three (3) feet below native ground surface in each of the sampling grids for vadose zone monitoring. All boreholes and sampling points were backfilled with impermeable bentonite material as stated in OCD Permit NM-01-0009. Soil samples were collected into four (4)-ounce glass jars, capped headspace free, and transported with ice, under chain of custody, to Envirotech's Analytical Laboratory to be analyzed for total petroleum hydrocarbons (TPH) using USEPA Methods 418.1 and 8015 and benzene and total BTEX using USEPA Method 8021.

SUMMARY AND CONCLUSIONS

Sampling and analysis services were performed for the Farmington-NM-01-0009 landfarm located in Section 2, Township 29 North, Range 12 West, San Juan County, New Mexico.

Samples collected from the vadose zone returned non-detect results for TPH using USEPA Method 8015, whereas TPH results using USEPA Method 418.1 demonstrated low concentrations for C1-3 (15.9 mg/kg) and C2S-2 (21.1 mg/kg) and moderate concentrations in C2N-1 (660 mg/kg). Concentrations of total BTEX were not significant and benzene concentrations were below the reporting limit in all samples; see *Table 1, Summary of Analytical Results* and *Appendix A, Analytical Results*.

Envirotech, Inc. recommends continued monitoring, sampling and analysis for the Agua Moss Landfarm until the treatment zone concentrations are below the closure standards.

STATEMENT OF LIMITATIONS

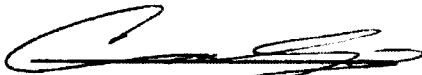
Envirotech, Inc. has completed sampling and analysis services for the Farmington-NM-01-0009 landfarm located in Section 2, Township 29 North, Range 12 West, San Juan County, New Mexico. The work and services provided by Envirotech, Inc. were in accordance with the New Mexico Oil Conservation Division standards. All observations and conclusions provided here are based on the information and current site conditions found at the site.

The undersigned has conducted this service at the above referenced site; this work has been conducted and reported in accordance with generally accepted professional practices in geology, engineering, environmental chemistry, and hydrogeology.

We appreciate the opportunity to be of service. If you have any questions or require additional information, please contact our office at (505) 632-0615.

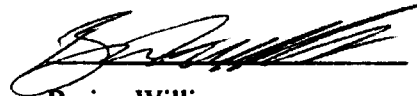
Respectfully Submitted,

ENVIROTECH, INC.



Christopher Carrigo
Environmental Scientist
carrigo@envirotech-inc.com

Reviewed by:



Barian Williamson
Environmental Project Manager
bwilliamson@envirotech-inc.com

FIGURES

Figure 1, Vicinity Map

Figure 2, Sampling Grid Diagram



Source: Flora Vista, New Mexico, Aztec, New Mexico 87410 7.5 Minute U.S.G.S. Topographic Quadrangle Map
 Scale: 1:24,000 1" = 2000'

Agua Moss Landfarm
 Section 2, Township 29N, Range 12 West
 San Juan County, New Mexico

envirotech
 ENVIRONMENTAL SCIENTISTS & ENGINEERS
 5796 U.S. HIGHWAY 64
 Farmington, New Mexico 87401
 505.632.0615

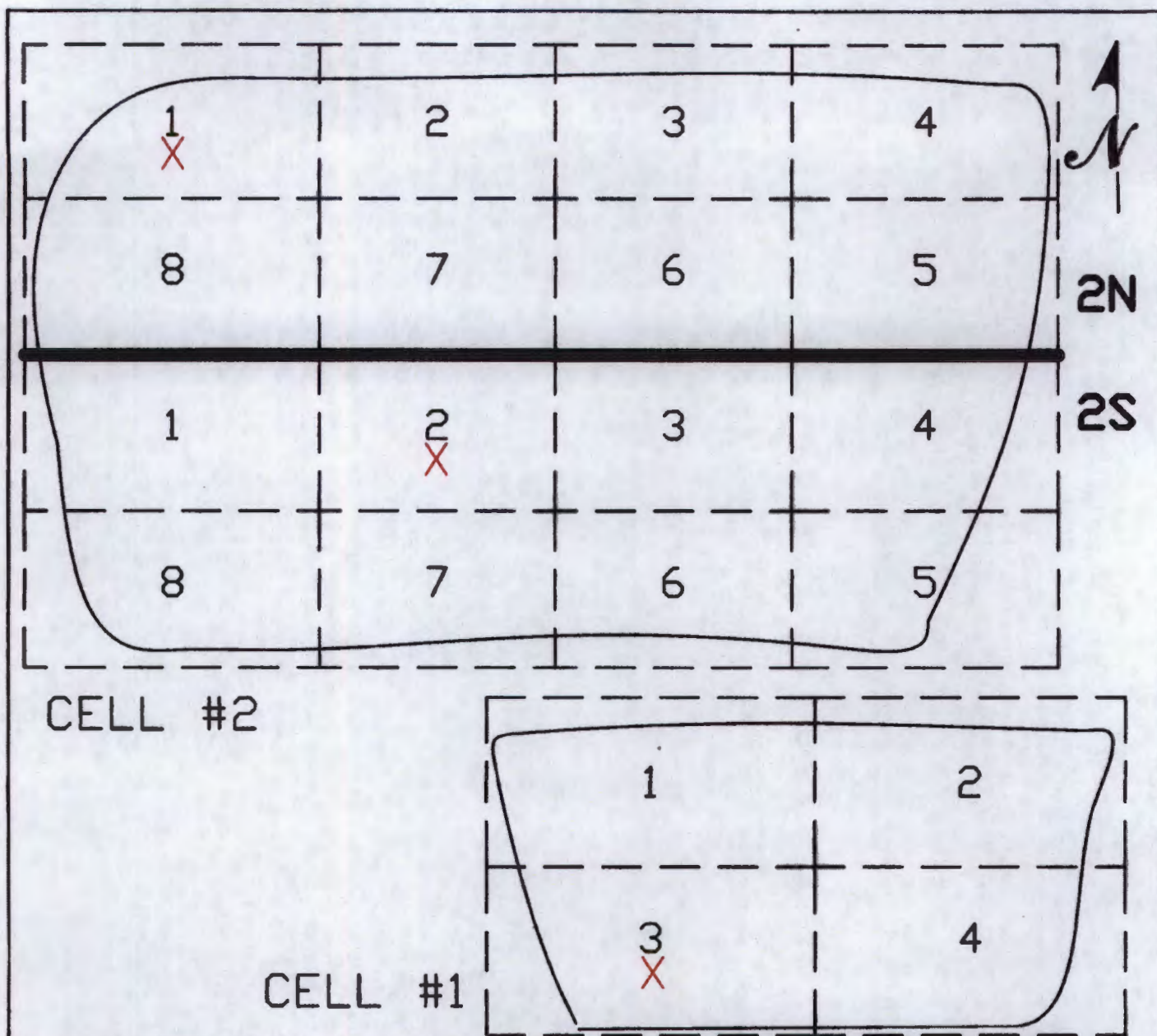
Vicinity Map

Figure 1

PROJECT Number: 07117-0004 Date Drawn: 6/27/12

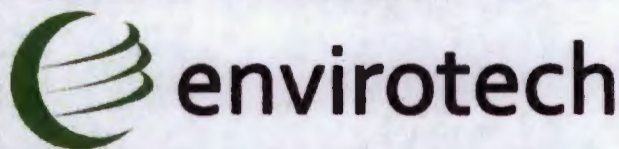
DRAWN BY:
 Christopher Arigo

PROJECT MANAGER:
 Greg Crabtree



**SAMPLING GRID DIAGRAM
AGUA MOSS LANDFARM
SECTION 2, TOWNSHIP 29N, RANGE 12W
SAN JUAN COUNTY, NEW MEXICO**

SCALE: NTS		FIGURE NO. 2		REV
PROJECT N007117-0004				
REVISIONS				
NO.	DATE	BY	DESCRIPTION	
MAP DRWN	CRA	7-19-12	BASE DRWN	



5796 U.S. HIGHWAY 64, FARMINGTON, NM 87401 505-632-0615

TABLES

Table 1, Summary of Analytical Results

Table 1, Summary of Analytical Results
Agua Moss
Second Quarter Landfarm Sampling Report
Permit NM-01-0009
Section 2, Township 29 North, Range 12 West
San Juan County, New Mexico
Project Number 07117-0004

Date	Sample Description	Grid Number	Latitude/Longitude	USEPA Method	USEPA Method	USEPA Method 8021	
				418.1 TPH (ppm)	8015 TPH (ppm)	Benzene (ppm)	BTEx (ppm)
7/10/2012	Cell 1	3	36.758077, -108.071737	15.9	ND	ND	0.0223
7/10/2012	Cell 2N	1	36.759173, -108.072728	660	ND	ND	0.0198
7/10/2012	Cell 2S	2	36.758755, -108.072406	21.1	ND	ND	0.0199

*ND - Parameter not detected

APPENDIX A

Analytical Results



Report Summary

Client: Agua Moss

Chain of Custody Number: 14064

Samples Received: 07-10-12

Job Number: 07117-0004

Sample Number(s): 62552-62554

Project Name/Location: Agua Moss Landfarm

Entire Report Reviewed By:

A handwritten signature in black ink, appearing to be 'J. B.', written over a horizontal line.

Date:

7/13/12

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.



**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	C2N-1	Date Reported:	07-12-12
Laboratory Number:	62552	Date Sampled:	07-10-12
Chain of Custody No:	14064	Date Received:	07-10-12
Sample Matrix:	Soil	Date Extracted:	07-11-12
Preservative:	Cool	Date Analyzed:	07-12-12
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Agua Moss Landfarm**



**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	C2S-2	Date Reported:	07-12-12
Laboratory Number:	62553	Date Sampled:	07-10-12
Chain of Custody No:	14064	Date Received:	07-10-12
Sample Matrix:	Soil	Date Extracted:	07-11-12
Preservative:	Cool	Date Analyzed:	07-12-12
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Agua Moss Landfarm**



**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	C1-3	Date Reported:	07-12-12
Laboratory Number:	62554	Date Sampled:	07-10-12
Chain of Custody No:	14064	Date Received:	07-10-12
Sample Matrix:	Soil	Date Extracted:	07-11-12
Preservative:	Cool	Date Analyzed:	07-12-12
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Agua Moss Landfarm**



EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	0712TCAL QA/QC	Date Reported:	07-12-12
Laboratory Number:	62552	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	07-12-12
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
Gasoline Range C5 - C10	07-12-12	9.9960E+02	1.0000E+03	0.04%	0 - 15%
Diesel Range C10 - C28	07-12-12	9.9960E+02	1.0000E+03	0.04%	0 - 15%

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	ND	ND	0.0%	0 - 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	ND	250	227	90.7%	75 - 125%
Diesel Range C10 - C28	ND	250	274	110%	75 - 125%

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Was SW-846, USEPA, December 1996.

Comments: QA/QC for Samples 62552-62554 and 62566



**EPA METHOD 8021
AROMATIC VOLATILE ORGANICS**

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	C2N-1	Date Reported:	07-12-12
Laboratory Number:	62552	Date Sampled:	07-10-12
Chain of Custody:	14064	Date Received:	07-10-12
Sample Matrix:	Soil	Date Analyzed:	07-12-12
Preservative:	Cool	Date Extracted:	07-11-12
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	50

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	10.0
Toluene	19.8	10.0
Ethylbenzene	ND	10.0
p,m-Xylene	ND	10.0
o-Xylene	ND	10.0
Total BTEX	19.8	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	84.0 %
	1,4-difluorobenzene	93.7 %
	Bromochlorobenzene	100 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846 USEPA, December 1996.

Comments: Agua Moss Landfarm



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	C2S-2	Date Reported:	07-12-12
Laboratory Number:	62553	Date Sampled:	07-10-12
Chain of Custody:	14064	Date Received:	07-10-12
Sample Matrix:	Soil	Date Analyzed:	07-12-12
Preservative:	Cool	Date Extracted:	07-11-12
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	50

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	10.0
Toluene	19.9	10.0
Ethylbenzene	ND	10.0
p,m-Xylene	ND	10.0
o-Xylene	ND	10.0
Total BTEX	19.9	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	82.2 %
	1,4-difluorobenzene	94.6 %
	Bromochlorobenzene	94.9 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846 USEPA, December 1996.

Comments: Agua Moss Landfarm



**EPA METHOD 8021
AROMATIC VOLATILE ORGANICS**

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	C1-3	Date Reported:	07-12-12
Laboratory Number:	62554	Date Sampled:	07-10-12
Chain of Custody:	14064	Date Received:	07-10-12
Sample Matrix:	Soil	Date Analyzed:	07-12-12
Preservative:	Cool	Date Extracted:	07-11-12
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	50

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	10.0
Toluene	22.3	10.0
Ethylbenzene	ND	10.0
p,m-Xylene	ND	10.0
o-Xylene	ND	10.0
Total BTEX	22.3	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	81.4 %
	1,4-difluorobenzene	92.9 %
	Bromochlorobenzene	103 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846 USEPA, December 1996.

Comments: Agua Moss Landfarm



**EPA METHOD 8021
AROMATIC VOLATILE ORGANICS**

Client:	N/A	Project #:	N/A
Sample ID:	0712BCAL QA/QC	Date Reported:	07-12-12
Laboratory Number:	62566	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	07-12-12
Condition:	N/A	Analysis:	BTEX
		Dilution:	50

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff.	Blank Conc	Detect. Limit
	Accept. Range 0-15%				
Benzene	5.3687E-06	5.3957E-06	0.005	ND	0.2
Toluene	5.3987E-06	5.3987E-06	0.000	ND	0.2
Ethylbenzene	6.1562E-06	6.1562E-06	0.000	ND	0.2
p,m-Xylene	4.5045E-06	4.5098E-06	0.001	ND	0.2
o-Xylene	6.5087E-06	6.5087E-06	0.000	ND	0.2

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	ND	ND	0.00	0 - 30%	10
Toluene	18.4	18.6	0.01	0 - 30%	10
Ethylbenzene	ND	ND	0.00	0 - 30%	10
p,m-Xylene	ND	ND	0.00	0 - 30%	10
o-Xylene	ND	ND	0.00	0 - 30%	10

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	2500	2400	96.0	39 - 150
Toluene	18.4	2500	2420	96.1	46 - 148
Ethylbenzene	ND	2500	2410	96.4	32 - 160
p,m-Xylene	ND	5000	4760	95.2	46 - 148
o-Xylene	ND	2500	2410	96.4	46 - 148

ND - Parameter not detected at the stated detection limit.

Dilution: Spike and spiked sample concentration represent a dilution proportional to sample dilution.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photolysis and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for Samples 62528-62532, 62552-62554 and 62566



EPA METHOD 418.1

TOTAL PETROLEUM HYDROCARBONS

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	C2N-1	Date Reported:	07-11-12
Laboratory Number:	62552	Date Sampled:	07-10-12
Chain of Custody No:	14064	Date Received:	07-10-12
Sample Matrix:	Soil	Date Extracted:	07-11-12
Preservative:	Cool	Date Analyzed:	07-11-12
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	660	6.6

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Agua Moss Landfarm**



Analytical Laboratory **EPA METHOD 418.1**
TOTAL PETROLEUM HYDROCARBONS

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	C2S-2	Date Reported:	07-11-12
Laboratory Number:	62553	Date Sampled:	07-10-12
Chain of Custody No:	14064	Date Received:	07-10-12
Sample Matrix:	Soil	Date Extracted:	07-11-12
Preservative:	Cool	Date Analyzed:	07-11-12
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	21.1	6.6

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Agua Moss Landfarm**



Analytical Laboratory **EPA METHOD 418.1**
TOTAL PETROLEUM HYDROCARBONS

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	C1-3	Date Reported:	07-11-12
Laboratory Number:	62554	Date Sampled:	07-10-12
Chain of Custody No:	14064	Date Received:	07-10-12
Sample Matrix:	Soil	Date Extracted:	07-11-12
Preservative:	Cool	Date Analyzed:	07-11-12
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	15.9	6.6

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Agua Moss Landfarm**



EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS
QUALITY ASSURANCE REPORT

Client:	QA/QC	Project #:	N/A
Sample ID:	QA/QC	Date Reported:	07-11-12
Laboratory Number:	07-11-TPH.QA/QC 62552	Date Sampled:	N/A
Sample Matrix:	Freon-113	Date Analyzed:	07-11-12
Preservative:	N/A	Date Extracted:	07-11-12
Condition:	N/A	Analysis Needed:	TPH

Calibration	I-Cal Date	C-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
	07-11-12	07-11-12	1,650	1,720	4.3%	+/- 10%

Blank Conc. (mg/Kg)
TPH

Concentration
ND

Detection Limit
6.6

Duplicate Conc. (mg/Kg)
TPH

Sample	Duplicate	% Difference	Accept. Range
666	595	10.7%	+/- 30%

Spike Conc. (mg/Kg)
TPH

Sample	Spike Added	Spike Result	% Recovery	Accept Range
666	2,000	2,310	86.7%	80 - 120%

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: QA/QC for Samples 62552-62554

CHAIN OF CUSTODY RECORD

14064

Client: <u>Agua Moss</u>			Project Name / Location: <u>Agua Moss Landfill</u>			ANALYSIS / PARAMETERS														
Email results to: <u>carro@envirotech-inc.com</u>			Sampler Name: <u>Chris Arrigo</u>																	
Client Phone No.: _____			Client No.: <u>07117-0004</u>																	
Sample No. / Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE	Sample Cool	Sample Intact	
					HgCl ₂	HCl	AgCl													
C2N-1	07/10/12	9:10am	U2552	1-4oz				X	X										Y	Y
C2S-2	07/10/12	9:35am	U2553	1-4oz				X	X										Y	Y
C1-3	07/10/12	9:50am	U2554	1-4oz				X	X										Y	Y
Relinquished by: (Signature) <u>[Signature]</u>			Date	Time	Received by: (Signature) <u>[Signature]</u>			Date												
Relinquished by: (Signature) <u>[Signature]</u>			7/10/12	10:35am	Received by: (Signature) <u>[Signature]</u>			7/10/12 12:33pm												
Sample Matrix																				
Soil ☒ Solid ☐ Sludge ☐ Aqueous ☐ Other ☐ _____																				
☐ Sample(s) dropped off after hours to secure drop off area.																				



5795 US Highway 64 • Farmington, NM 87401 • 505-632-0615 • Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301 • laboratory@envirotech-inc.com

APPENDIX B

Field Notes

ENVIROTECH Inc.

5798 US HWY 64, FARMINGTON, NM 87401
(505) 832-0615

PIT No: _____
C.O.C #: _____

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

JOB No: 07117-0004
PAGE No: _____ of _____

FACILITY LOCATION: Agua Moss Landfarm Cell 1-3

SOURCE LOCATION: Lat./Long: 36.759077, -108.071737

SOURCE LOCATION: _____

SOURCE LOCATION: _____

FACILITY CLASSIFICATION: _____ PIT TYPE: _____

DATE STARTED: 07/10/12
DATE FINISHED: _____

ENVIRONMENTAL
SPECIALIST: C. Arroyo

SOIL REMEDIATION QUANTITY: _____ # OF COMP. SAMPLES: _____

DIMENSIONS: _____

VISIBLE OBSERVATIONS: _____

SAMPLING PLAN: _____

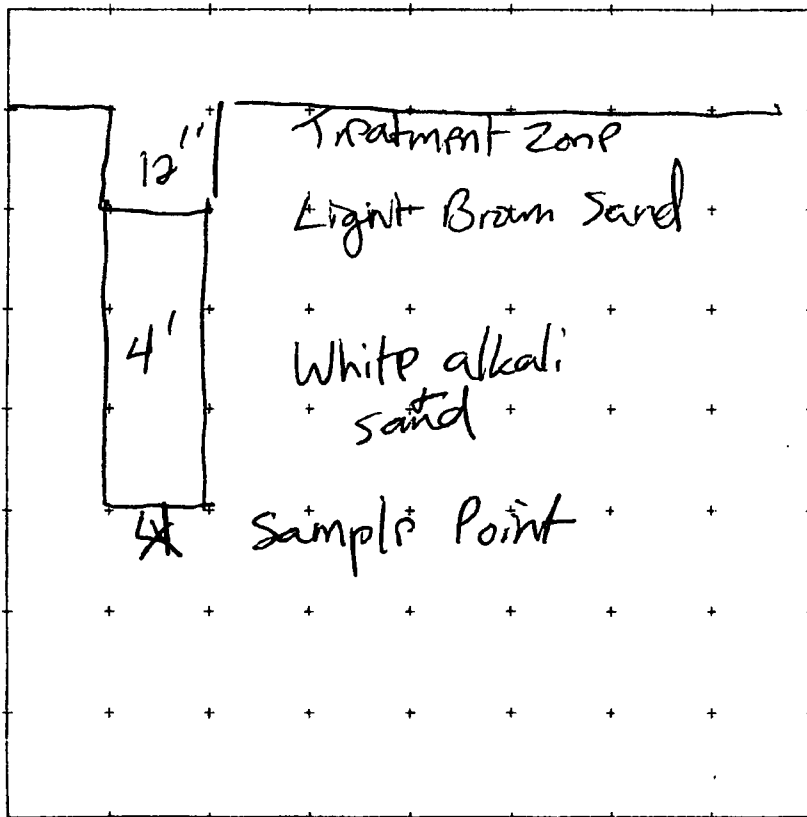
FIELD NOTES & REMARKS: FACILITY CENTER LOCATED APPROX _____ YARDS _____ FROM WELLHEAD

DEPTH TO GROUNDWATER:
NEAREST WATER SOURCE/TYPE:
NEAREST SURFACE WATER
MAX TPH PER NMOC:

No. OF 5-POINT
COMPOSITE SAMPLES
YARDAGE --#
0-200=1
201-400=2
401-1000=3
>1000=5

FACILITY DIAGRAM

GRID SCALE:



OVM RESULTS

SAMPLE ID	FIELD HEADSPACE P40 (ppm)

LAB RESULTS

SAMPLE ID	ANALYSIS REQUESTED	RESULTS PPM
01-3	8075	
01-3	8075	
01-3	418	

NORTH

WELLHEAD

SURFACE
FLOW DIR.

ESTIMATED
GROUNDWATER
FLOW DIR.

ENVIROTECH Inc.

5796 US HWY 64, FARMINGTON, NM 87401
(505) 832-0615

PIT No: _____
C.O.C #: _____

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

JOB No: 0747-0004
PAGE No: _____ of _____

FACILITY LOCATION: Agua Mesa Landfill Cell 2N-1
SOURCE LOCATION: _____
SOURCE LOCATION: Lat/Long: 36.759173, -108.070708
SOURCE LOCATION: _____
FACILITY CLASSIFICATION: _____ PIT TYPE: _____

DATE STARTED: 07/10/12
DATE FINISHED: _____

ENVIRONMENTAL
SPECIALIST: C. Arago

SOIL REMEDIATION: QUANTITY: _____ # OF COMP. SAMPLES: _____
DIMENSIONS: _____
VISIBLE OBSERVATIONS: _____
SAMPLING PLAN: _____

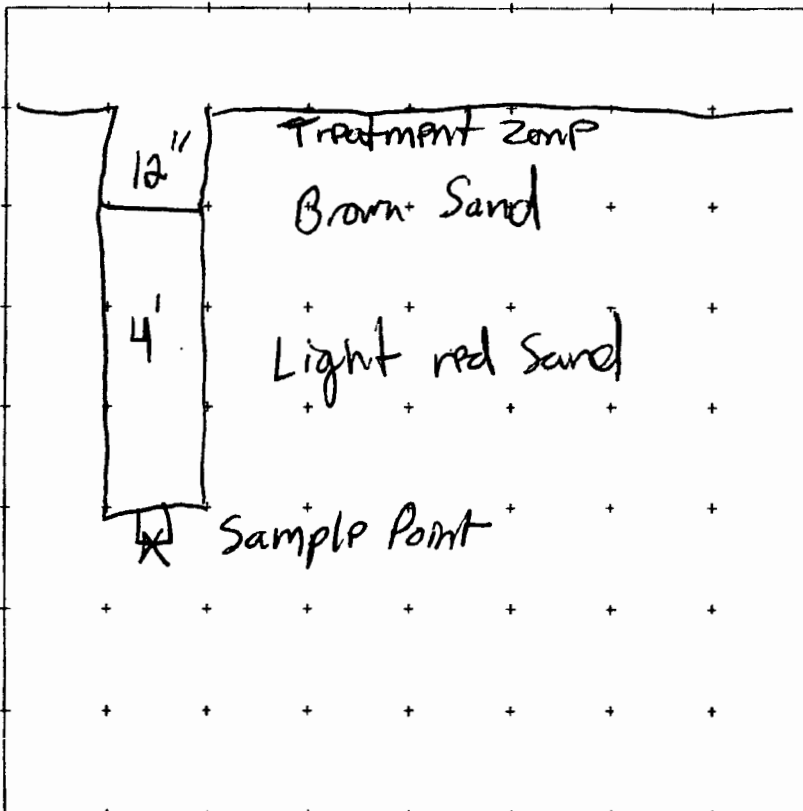
FIELD NOTES & REMARKS: FACILITY CENTER LOCATED APPROX _____ YARDS _____ FROM WELLHEAD.

DEPTH TO GROUNDWATER: _____
NEAREST WATER SOURCE/TYPE: _____
NEAREST SURFACE WATER: _____
MAX TPH PER NMOC: _____

No. OF 5-POINT
COMPOSITE SAMPLES:
YARDAGE -- #
0-200=1
201-400=2
401-1000=3
>1000=5

FACILITY DIAGRAM

GRID SCALE:



OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)

LAB RESULTS

SAMPLE ID	ANALYSIS REQUESTED	RESULTS PPM

NORTH

WELLHEAD

SURFACE
FLOW DIR

ESTIMATED
GROUNDWATER
FLOW DIR.

ENVIROTECH Inc.

5796 US HWY 64, FARMINGTON, NM 87401
(505) 632-0815

PIT No: _____
C.O.C #: _____

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

JOB No: 07117-0004
PAGE No: _____ of _____

FACILITY LOCATION: Aguila Moss Landfill Cell 2S-2
SOURCE LOCATION: _____
SOURCE LOCATION: Lat/Long: 36.758755, -106.072406
SOURCE LOCATION: _____
FACILITY CLASSIFICATION: _____ PT TYPE: _____

DATE STARTED: 07/10/12
DATE FINISHED: _____
ENVIRONMENTAL SPECIALIST: C. Amigo

SOIL REMEDIATION: QUANTITY: _____ # OF COMP. SAMPLES: _____
DIMENSIONS: _____
VISIBLE OBSERVATIONS: _____
SAMPLING PLAN: _____

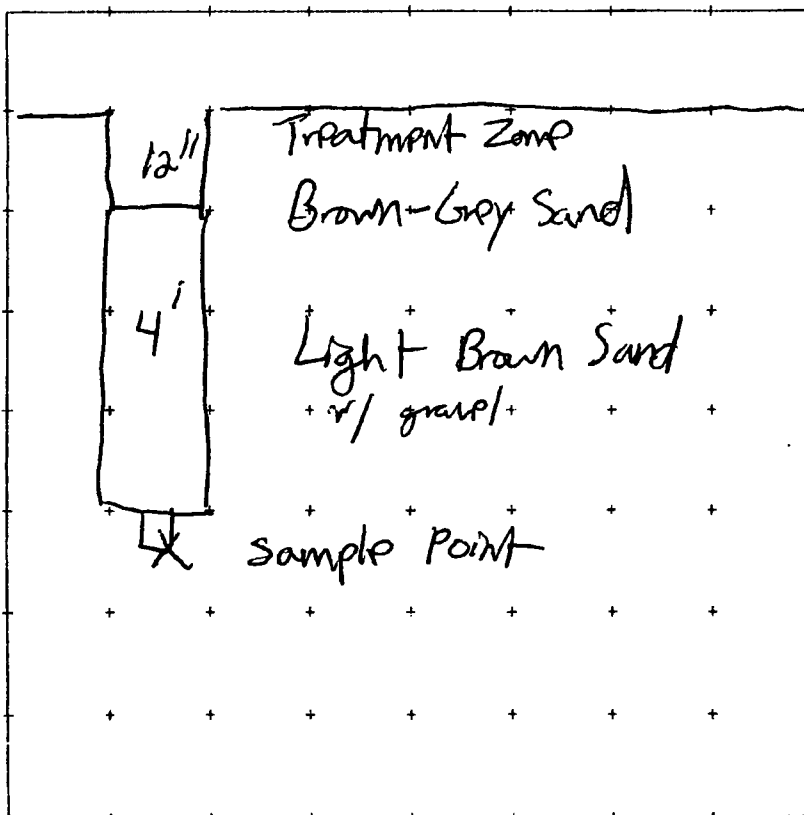
FIELD NOTES & REMARKS: FACILITY CENTER LOCATED APPROX _____ YARDS _____ FROM WELLHEAD.

DEPTH TO GROUNDWATER: _____
NEAREST WATER SOURCE/TYPE: _____
NEAREST SURFACE WATER: _____
MAX TPH PER NMOCB: _____

No. OF 5-POINT
COMPOSITE SAMPLES:
YARDAGE--#
0-200=1
201-400=2
401-1000=3
>1000=5

FACILITY DIAGRAM

GRID SCALE:



OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)

LAB RESULTS

SAMPLE ID	ANALYSIS REQUESTED	RESULTS PPM

NORTH

WELLHEAD

SURFACE
FLOW DIR

ESTIMATED
GROUNDWATER
FLOW DIR

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

September 19, 2012

Project Number: 07117-0004

Ms. Philana Thompson
Regulatory Compliance
Agua Moss
Post Office Box 600
345 CR 350
Farmington, New Mexico 87401

Phone: (505)-324-5336

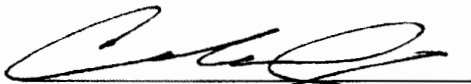
**RE: THIRD QUARTER LANDFARM SAMPLING AND ANALYSIS REPORT, AGUA MOSS
LANDFARM, SAN JUAN COUNTY, NEW MEXICO**

Dear Ms. Thompson:

Please find enclosed the Third Quarter Landfarm Sampling and Analysis Report for the Agua Moss Landfarm located in Section 2, Township 29 North, Range 12 West, San Juan County, New Mexico.

If you have any questions or require additional information, please contact our office at (505) 632-0615.

Respectfully Submitted,
ENVIROTECH, INC.



Christopher Arrigo
Environmental Scientist
carrigo@envirotech-inc.com

Enclosure: Third Quarter Landfarm Sampling and Analysis Report

Cc: Client File Number: 07117

THIRD QUARTER LANDFARM SOIL SAMPLING AND ANALYSIS REPORT

SITE NAME:

**AGUA MOSS LANDFARM
CELL #1 AND CELL #2
SECTION 2, TOWNSHIP 29 NORTH, RANGE 12 WEST
SAN JUAN COUNTY, NEW MEXICO**

SUBMITTED TO:

**MS. PHILANA THOMPSON
AGUA MOSS
345 CR 350
FARMINGTON, NEW MEXICO 87401**

SUBMITTED BY:

**ENVIROTECH, INC
5796 HIGHWAY 64
FARMINGTON, NEW MEXICO 87401
(505) 632-0615**

SEPTEMBER 2012

**THIRD QUARTER LANDFARM SOIL SAMPLING
AND ANALYSIS REPORT
AGUA MOSS LANDFARM
CELL #1 AND CELL #2
SECTION 2, TOWNSHIP 29 NORTH, RANGE 12 WEST
SAN JUAN COUNTY, NEW MEXICO**

TABLE OF CONTENTS

<u>INTRODUCTION</u>	1
<u>ACTIVITIES PERFORMED</u>	1
<u>SUMMARY AND CONCLUSIONS</u>	1
<u>STATEMENT OF LIMITATIONS</u>	2

Figures: Figure 1, Vicinity Map
 Figure 2, Sampling Grid Diagram

Tables: Table 1, Summary of Analytical Results

Appendices: Appendix A, Analytical Results
 Appendix B, Field Notes

INTRODUCTION

Envirotech, Inc. of Farmington, New Mexico, was contracted by Agua Moss to provide sampling and analysis services for the Agua Moss Farmington-NM-01-0009 landfarm located in Section 2, Township 29 North, Range 12 West, San Juan County, New Mexico; see **Figure 1, Vicinity Map**. Activities included sample collection and analysis, documentation and reporting.

ACTIVITIES PERFORMED

Envirotech personnel performed soil sampling activities on September 5, 2012, at the Agua Moss landfarm. Envirotech personnel divided Cell #1 into four (4) separate sampling grids and Cell #2 into two (2) sections (North and South) with eight (8) separate sampling grids per section, for a total of (16) separate sampling grids. These sampling areas will be referred to as C1 - (1 to 4), C2N - (1 to 8), and C2S - (1 to 8); see **Figure 2, Sampling Grid Diagram**. Random samples were determined by "Out of Hat" drawing.

Using a hand auger, one (1) random sample was collected from Cell #1 and designated as C1-1. Two (2) random samples were collected from Cell #2; one (1) sample was collected from the North section and designated as C2N-2 and one (1) sample was collected from the South section and designated as C2S-3; see **Figure 2, Sampling Grid Diagram** and **Appendix B, Field Notes**. Each soil sample was collected two (2) to three (3) feet below native ground surface in each of the sampling grids for vadose zone monitoring. All boreholes and sampling points were backfilled with impermeable bentonite material as stated in OCD Permit NM-01-0009. Soil samples were collected into four (4)-ounce glass jars, capped headspace free, and transported with ice, under chain of custody, to Envirotech's Analytical Laboratory to be analyzed for total petroleum hydrocarbons (TPH) using USEPA Methods 418.1 and 8015 and benzene and total BTEX using USEPA Method 8021.

SUMMARY AND CONCLUSIONS

Sampling and analysis services were performed for the Farmington-NM-01-0009 landfarm located in Section 2, Township 29 North, Range 12 West, San Juan County, New Mexico.

Samples collected from the vadose zone returned non-detect results for TPH using USEPA Method 8015, whereas TPH results using USEPA Method 418.1 demonstrated low concentrations for C1-1 (39.8 mg/kg) and C2N-2 (41.2 mg/kg) and high concentrations in C2S-3 (1020 mg/kg). Concentrations of total BTEX were not significant and benzene concentrations were below the reporting limit in all samples; see **Table 1, Summary of Analytical Results** and **Appendix A, Analytical Results**.

Envirotech, Inc. recommends continued monitoring, sampling and analysis for the Agua Moss Landfarm until the treatment zone concentrations are below the closure standards.

STATEMENT OF LIMITATIONS

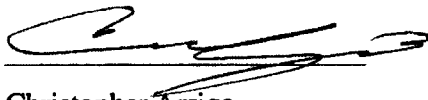
Envirotech, Inc. has completed sampling and analysis services for the Farmington-NM-01-0009 landfarm located in Section 2, Township 29 North, Range 12 West, San Juan County, New Mexico. The work and services provided by Envirotech, Inc. were in accordance with the New Mexico Oil Conservation Division standards. All observations and conclusions provided here are based on the information and current site conditions found at the site.

The undersigned has conducted this service at the above referenced site; this work has been conducted and reported in accordance with generally accepted professional practices in geology, engineering, environmental chemistry, and hydrogeology.

We appreciate the opportunity to be of service. If you have any questions or require additional information, please contact our office at (505) 632-0615.

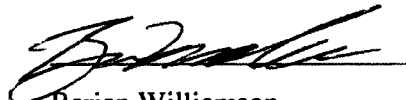
Respectfully Submitted,

ENVIROTECH, INC.



Christopher Arrigo
Environmental Scientist
carrigo@envirotech-inc.com

Reviewed by:



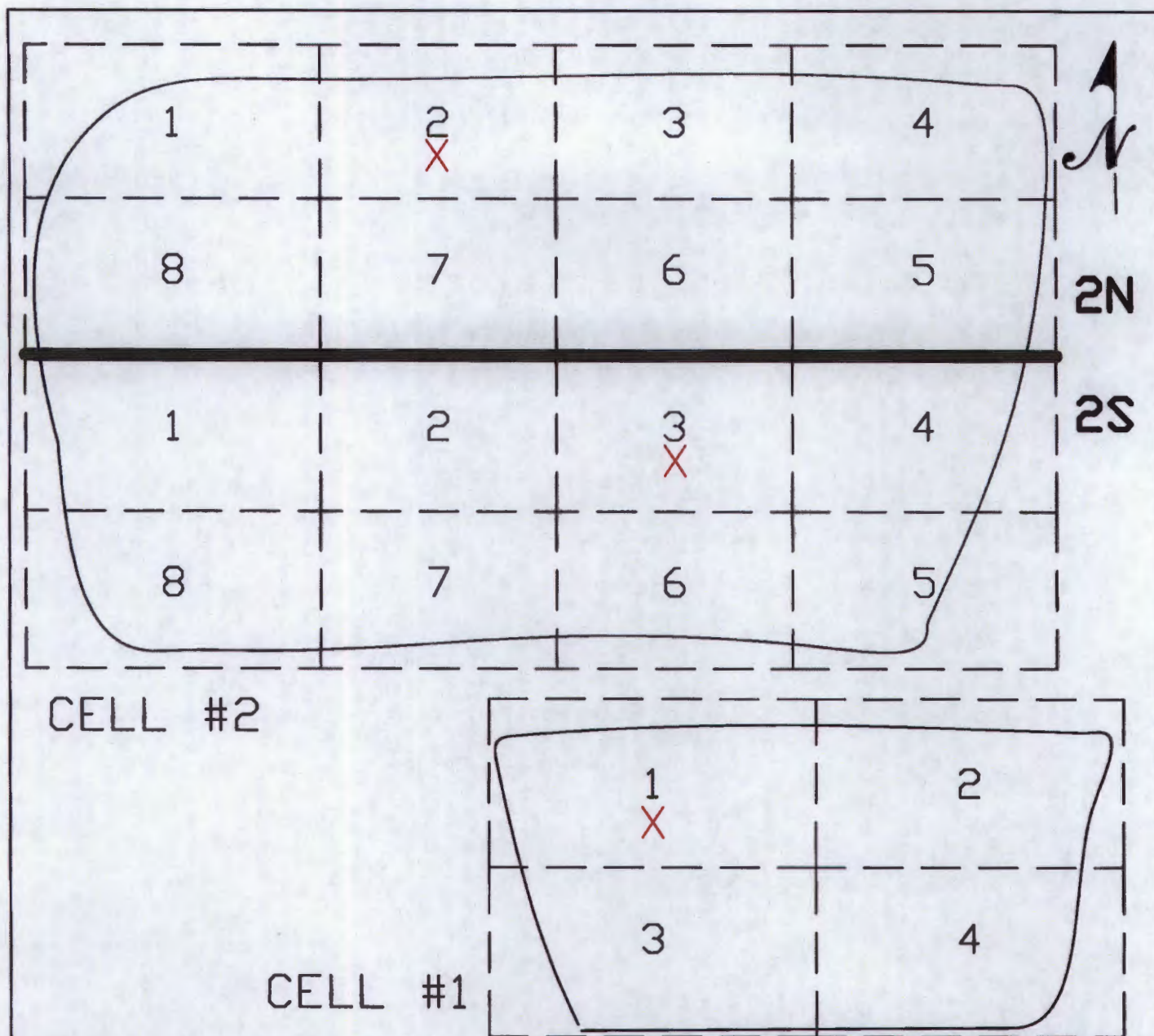
Barian Williamson
Environmental Project Manager
bwilliamson@envirotech-inc.com

FIGURES

Figure 1, Vicinity Map

Figure 2, Sampling Grid Diagram

PROJECT MANAGER:
Greg Crabtree



LEGEND

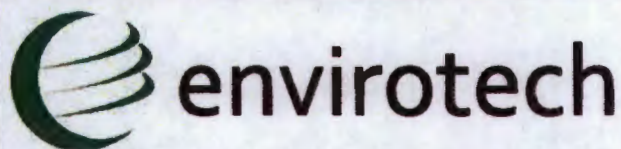
- LAND FARM BOUNDARY
- - - - GRID BOUNDARY
- X SAMPLING POINTS

SAMPLING GRID DIAGRAM AGUA MOSS LANDFARM SECTION 2, TOWNSHIP 29N, RANGE 12W SAN JUAN COUNTY, NEW MEXICO

SCALE: NTS	FIGURE NO. 2	REV
PROJECT NO07117-0004		

REVISIONS

NO.	DATE	BY	DESCRIPTION
MAP DRWN	CRA	9-5-12	BASE DRWN



5796 U.S. HIGHWAY 64, FARMINGTON, NM 87401 505-632-0615

TABLES

Table 1, Summary of Analytical Results

Table 1, Summary of Analytical Results
 Agua Moss
 Third Quarter Landfarm Sampling Report
 Permit NM-01-0009
 Section 2, Township 29 North, Range 12 West
 San Juan County, New Mexico
 Project Number 07117-0004

Date	Sample Description	Grid Number	Latitude/Longitude	USEPA Method	USEPA Method	USEPA Method 8021	
				418.1 TPH (ppm)	8015 TPH (ppm)	Benzene (ppm)	BTEX (ppm)
9/5/2012	Cell 1	1	36.758259, -108.071859	39.8	ND	ND	ND
9/5/2012	Cell 2N	2	36.759153, -108.072499	41.2	ND	ND	0.0212
9/5/2012	Cell 2S	3	36.758796, -108.071956	1020	ND	ND	0.115

*ND - Parameter not detected

APPENDIX A

Analytical Results



Report Summary

Client: Agua Moss

Chain of Custody Number: 14395

Samples Received: 09-05-12

Job Number: 07117-0004

Sample Number(s): 63137-63139

Project Name/Location: Agua Moss Landfarm Cell 1 & 2

Entire Report Reviewed By:

A handwritten signature in black ink, appearing to be 'J. B. O.', written over a horizontal line.

Date:

9/13/12

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.



EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 2S-3	Date Reported:	09-12-12
Laboratory Number:	63137	Date Sampled:	09-05-12
Chain of Custody No:	14395	Date Received:	09-05-12
Sample Matrix:	Soil	Date Extracted:	09-10-12
Preservative:	Cool	Date Analyzed:	09-10-12
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Agua Moss Landfarm Cell 1 + 2**



**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 2N-2	Date Reported:	09-12-12
Laboratory Number:	63138	Date Sampled:	09-05-12
Chain of Custody No:	14395	Date Received:	09-05-12
Sample Matrix:	Soil	Date Extracted:	09-10-12
Preservative:	Cool	Date Analyzed:	09-10-12
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Agua Moss Landfarm Cell 1 + 2**



EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 1-1	Date Reported:	09-12-12
Laboratory Number:	63139	Date Sampled:	09-05-12
Chain of Custody No:	14395	Date Received:	09-05-12
Sample Matrix:	Soil	Date Extracted:	09-10-12
Preservative:	Cool	Date Analyzed:	09-10-12
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Agua Moss Landfarm Cell 1 + 2**



EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	0910TCAL QA/QC	Date Reported:	09-12-12
Laboratory Number:	63137	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	09-10-12
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
Gasoline Range C5 - C10	09-10-12	9.9960E+02	1.0000E+03	0.04%	0 - 15%
Diesel Range C10 - C28	09-10-12	9.9960E+02	1.0000E+03	0.04%	0 - 15%

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	ND	ND	0.0%	0 - 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	ND	250	262	105%	75 - 125%
Diesel Range C10 - C28	ND	250	269	108%	75 - 125%

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Wastewater, SW-846, USEPA, December 1996.

Comments: QA/QC for Samples 63137-63139, 63142-63143, 63149-63151 and 63157



**EPA METHOD 8021
AROMATIC VOLATILE ORGANICS**

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 2S-3	Date Reported:	09-12-12
Laboratory Number:	63137	Date Sampled:	09-05-12
Chain of Custody:	14395	Date Received:	09-05-12
Sample Matrix:	Soil	Date Analyzed:	09-11-12
Preservative:	Cool	Date Extracted:	09-06-12
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	50

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	10.0
Toluene	13.2	10.0
Ethylbenzene	ND	10.0
p,m-Xylene	78.4	10.0
o-Xylene	23.9	10.0
Total BTEX	115	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	82.1 %
	1,4-difluorobenzene	88.3 %
	Bromochlorobenzene	93.2 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846 USEPA, December 1996.

Comments: Agua Moss Landfarm Cell 1+2



**EPA METHOD 8021
AROMATIC VOLATILE ORGANICS**

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 2N-2	Date Reported:	09-12-12
Laboratory Number:	63138	Date Sampled:	09-05-12
Chain of Custody:	14395	Date Received:	09-05-12
Sample Matrix:	Soil	Date Analyzed:	09-11-12
Preservative:	Cool	Date Extracted:	09-06-12
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	50

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	10.0
Toluene	ND	10.0
Ethylbenzene	ND	10.0
p,m-Xylene	21.2	10.0
o-Xylene	ND	10.0
Total BTEX	21.2	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	82.0 %
	1,4-difluorobenzene	88.7 %
	Bromochlorobenzene	88.5 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846 USEPA, December 1996.

Comments: Agua Moss Landfarm Cell 1+2



**EPA METHOD 8021
AROMATIC VOLATILE ORGANICS**

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 1-1	Date Reported:	09-12-12
Laboratory Number:	63139	Date Sampled:	09-05-12
Chain of Custody:	14395	Date Received:	09-05-12
Sample Matrix:	Soil	Date Analyzed:	09-11-12
Preservative:	Cool	Date Extracted:	09-06-12
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	50

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	10.0
Toluene	ND	10.0
Ethylbenzene	ND	10.0
p,m-Xylene	ND	10.0
o-Xylene	ND	10.0
Total BTEX	ND	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	81.0 %
	1,4-difluorobenzene	87.6 %
	Bromochlorobenzene	93.0 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846 USEPA, December 1996.

Comments: Agua Moss Landfarm Cell 1+2



**EPA METHOD 8021
AROMATIC VOLATILE ORGANICS**

Client:	N/A	Project #:	N/A
Sample ID:	0911BCAL QA/QC	Date Reported:	09-12-12
Laboratory Number:	63163	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	09-11-12
Condition:	N/A	Analysis:	BTEX
		Dilution:	50

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff.	Blank Conc	Detect. Limit
	Accept. Range 0-15%				
Benzene	9.2375E-06	9.3030E-06	0.007	ND	0.2
Toluene	9.1709E-06	9.1709E-06	0.000	ND	0.2
Ethylbenzene	1.0250E-05	1.0250E-05	0.000	ND	0.2
p,m-Xylene	7.3144E-06	7.3436E-06	0.004	ND	0.2
o-Xylene	1.0785E-05	1.0785E-05	0.000	ND	0.2

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	157	158	0.003	0 - 30%	10
Toluene	11900	12600	0.059	0 - 30%	10
Ethylbenzene	5520	5890	0.067	0 - 30%	10
p,m-Xylene	40600	42900	0.057	0 - 30%	10
o-Xylene	13500	14500	0.074	0 - 30%	10

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	157	2500	2780	105	39 - 150
Toluene	11900	2500	14200	98.6	46 - 148
Ethylbenzene	5520	2500	8870	111	32 - 160
p,m-Xylene	40600	5000	44300	97.1	46 - 148
o-Xylene	13500	2500	16800	105	46 - 148

ND - Parameter not detected at the stated detection limit.

Dilution: Spike and spiked sample concentration represent a dilution proportional to sample dilution.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for Samples 63134, 63137-63139, 63149-63151 and 63163

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 2S-3	Date Reported:	09-11-12
Laboratory Number:	63137	Date Sampled:	09-05-12
Chain of Custody No:	14395	Date Received:	09-05-12
Sample Matrix:	Soil	Date Extracted:	09-11-12
Preservative:	Cool	Date Analyzed:	09-11-12
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	1,020	6.6

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Agua Moss Landfarm Cell 1+2**



EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 2N-2	Date Reported:	09-11-12
Laboratory Number:	63138	Date Sampled:	09-05-12
Chain of Custody No:	14395	Date Received:	09-05-12
Sample Matrix:	Soil	Date Extracted:	09-11-12
Preservative:	Cool	Date Analyzed:	09-11-12
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	41.2	6.6

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Agua Moss Landfarm Cell 1+2**

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 1-1	Date Reported:	09-11-12
Laboratory Number:	63139	Date Sampled:	09-05-12
Chain of Custody No:	14395	Date Received:	09-05-12
Sample Matrix:	Soil	Date Extracted:	09-11-12
Preservative:	Cool	Date Analyzed:	09-11-12
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	39.8	6.6

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Agua Moss Landfarm Cell 1+2**

Client:	QA/QC	Project #:	N/A
Sample ID:	QA/QC	Date Reported:	09-11-12
Laboratory Number:	09-11-TPH.QA/QC 63137	Date Sampled:	N/A
Sample Matrix:	Freon-113	Date Analyzed:	09-11-12
Preservative:	N/A	Date Extracted:	09-11-12
Condition:	N/A	Analysis Needed:	TPH

Calibration	I-Cal Date	C-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
	07-11-12	09-11-12	1,660	1,720	3.6%	+/- 10%

Blank Conc. (mg/Kg)	Concentration	Detection Limit
TPH	ND	6.6

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
TPH	1,020	770	24.5%	+/- 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
TPH	1,020	2,000	2,520	83.4%	80 - 120%

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: QA/QC for Samples 63137-63139, 63153-63154, 63157 and 63161-63162

14395

5795 US Highway 64 • Farmington, NM 87401 • 505-632-0615 • Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301 • laboratory@envirotech-inc.com

APPENDIX B

Field Notes

ENVIROTECH Inc.

5796 US HWY. 64, FARMINGTON, NM 87401
(505) 632-0615

PIT No: _____
C.O.C #: _____

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

JOB No: 07117-0004
PAGE No: 1 of 1

FACILITY LOCATION: Agua Mansa Land farm
SOURCE LOCATION: _____
SOURCE LOCATION: CPN 25-3
SOURCE LOCATION: Lat/Long: 36.758796, -108.071956
FACILITY CLASSIFICATION: _____ PIT TYPE: _____

DATE STARTED: 9/5/12
DATE FINISHED: _____

ENVIRONMENTAL
SPECIALIST: C. Amgo

SOIL REMEDIATION: QUANTITY: _____ # OF COMP. SAMPLES: _____
DIMENSIONS: _____
VISIBLE OBSERVATIONS: _____
SAMPLING PLAN: _____

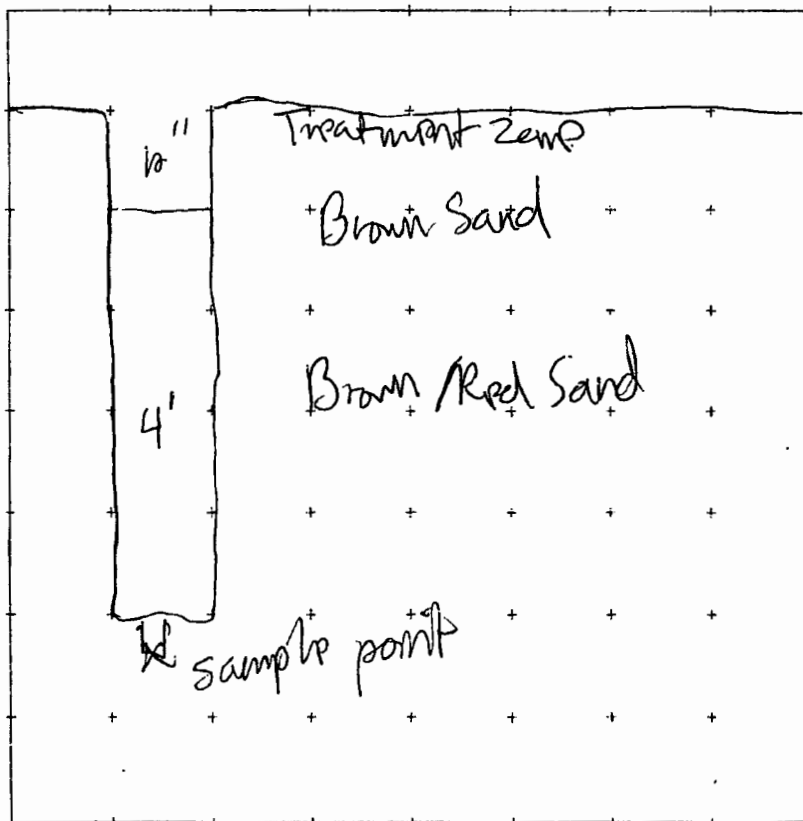
FIELD NOTES & REMARKS: FACILITY CENTER LOCATED APPROX _____ YARDS _____ FROM WELLHEAD.

DEPTH TO GROUNDWATER:
NEAREST WATER SOURCE/TYPE:
NEAREST SURFACE WATER
MAX TPH PER NMOC:

No. OF 5-POINT
COMPOSITE SAMPLES:
YARDAGE--#
0-200=1
201-400=2
401-1000=3
>1000=5

FACILITY DIAGRAM

GRID SCALE:



OVM RESULTS

SAMPLE ID	FIELD HEADSPACE FID (ppm)

LAB RESULTS

SAMPLE ID	ANALYSIS REQUESTED	RESULTS PPM

NORTH

WELLHEAD

SURFACE
FLOW DIR.

ESTIMATED
GROUNDWATER
FLOW DIR

ENVIROTECH Inc.

5796 US HWY. 64, FARMINGTON, NM 87401
(505) 632-0615

PIT No: _____
C.O.C # _____

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

JOB No. 07117-0004
PAGE No: ____ of ____

FACILITY LOCATION: Agua Mansa Landfarm
SOURCE LOCATION: _____
SOURCE LOCATION: Cell 2N-2
SOURCE LOCATION: Lat/Long: 36.759153, -108.072499
FACILITY CLASSIFICATION _____ PIT TYPE: _____

DATE STARTED: 9/5/12
DATE FINISHED: _____

ENVIRONMENTAL
SPECIALIST: C. Amigo

SOIL REMEDIATION: QUANTITY: _____ # OF COMP. SAMPLES: _____

DIMENSIONS: _____

VISIBLE OBSERVATIONS: _____

SAMPLING PLAN: _____

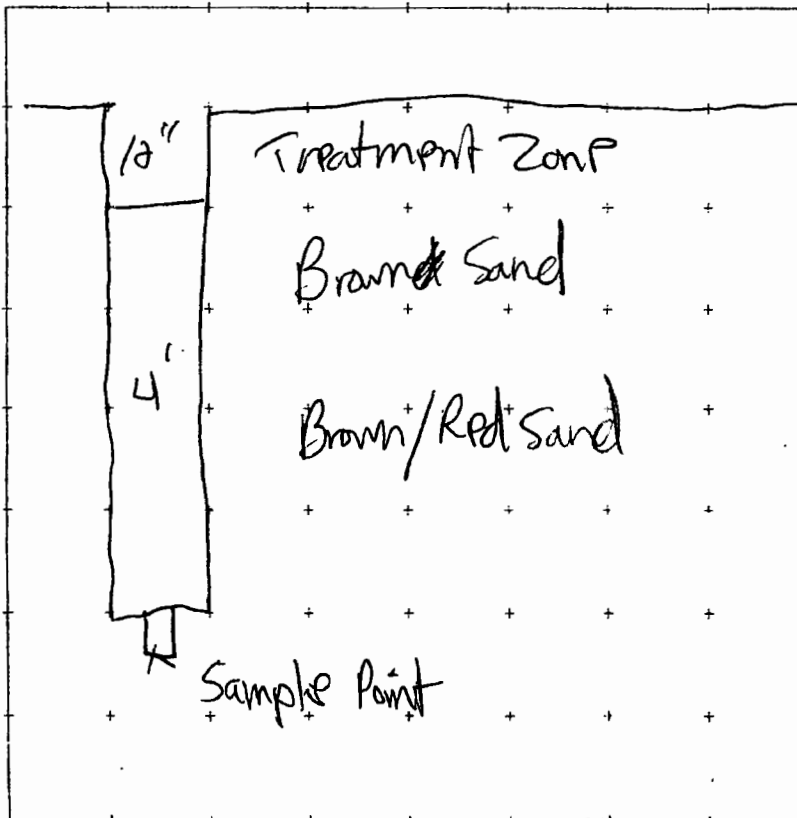
FIELD NOTES & REMARKS: FACILITY CENTER LOCATED APPROX _____ YARDS _____ FROM WELLHEAD.

DEPTH TO GROUNDWATER:
NEAREST WATER SOURCE/TYPE:
NEAREST SURFACE WATER
MAX TPH PER NMDCD:

No. OF 5-POINT
COMPOSITE SAMPLES:
YARDAGE--#
0-200=1
201-400=2
401-1000=3
>1000=5

FACILITY DIAGRAM

GRID SCALE:



OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)

LAB RESULTS

SAMPLE ID	ANALYSIS REQUESTED	RESULTS PPM

NORTH

WELLHEAD

SURFACE
FLOW DIR.

ESTIMATED
GROUNDWATER
FLOW DIR

ENVIROTECH Inc.

5796 US HWY. 64, FARMINGTON, NM 87401
(505) 632-0615

PIT No: _____
C.O.C # _____

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

JOB No: 07/17-0024
PAGE No: 1 of 1

FACILITY LOCATION: Agua Moss Landfarm
SOURCE LOCATION: CP 1-1
SOURCE LOCATION: Lat/Long: 36.758259, -108.071859
FACILITY CLASSIFICATION: _____ PIT TYPE: _____

DATE STARTED: 9/5/10
DATE FINISHED: _____

ENVIRONMENTAL
SPECIALIST: C. Arrigo

SOIL REMEDIATION: QUANTITY: _____ # OF COMP. SAMPLES: _____
DIMENSIONS: _____
VISIBLE OBSERVATIONS: _____
SAMPLING PLAN: _____

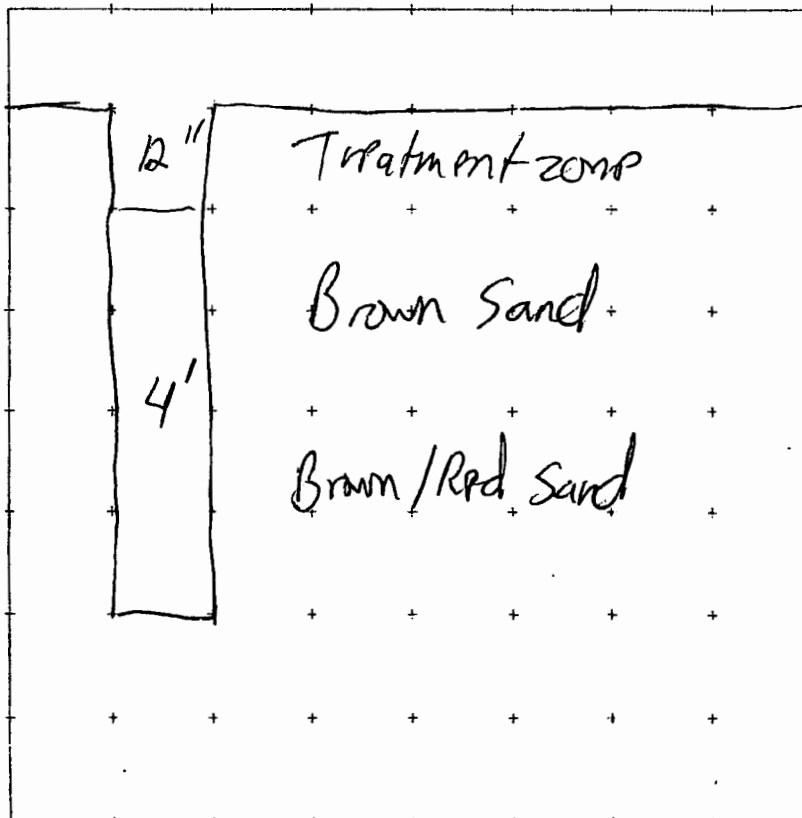
FIELD NOTES & REMARKS: FACILITY CENTER LOCATED APPROX _____ YARDS _____ FROM WELLHEAD.

DEPTH TO GROUNDWATER:
NEAREST WATER SOURCE/TYPE:
NEAREST SURFACE WATER
MAX TPH PER NMOC:

No. OF 5-POINT
COMPOSITE SAMPLES:
YARDAGE--#
0-200=1
201-400=2
401-1000=3
>1000=5

FACILITY DIAGRAM

GRID SCALE:



OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)

LAB RESULTS

SAMPLE ID	ANALYSIS REQUESTED	RESULTS PPM
CI-1	3015	
CI-1	8081	
CI-1	418.1	

NORTH

WELLHEAD

SURFACE
FLOW DIR.

ESTIMATED
GROUNDWATER
FLOW DIR

FOURTH QUARTER LANDFARM SOIL SAMPLING AND ANALYSIS REPORT

SITE NAME:

**AGUA MOSS LANDFARM
CELL #1 AND CELL #2
SECTION 2, TOWNSHIP 29 NORTH, RANGE 12 WEST
SAN JUAN COUNTY, NEW MEXICO**

SUBMITTED TO:

**MS. PHILANA THOMPSON
AGUA MOSS
345 CR 350
FARMINGTON, NEW MEXICO 87401**

SUBMITTED BY:

**ENVIROTECH, INC
5796 HIGHWAY 64
FARMINGTON, NEW MEXICO 87401
(505) 632-0615**

DECEMBER 2012



February 14, 2013

Project Number: 07117-0004

Ms. Philana Thompson
Regulatory Compliance
Agua Moss
Post Office Box 600
345 CR 350
Farmington, New Mexico 87401

Phone: (505)-324-5336

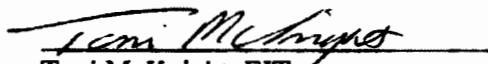
**RE: FOURTH QUARTER LANDFARM SAMPLING AND ANALYSIS REPORT, AGUA MOSS
LANDFARM, SAN JUAN COUNTY, NEW MEXICO**

Dear Ms. Thompson:

Please find enclosed the Fourth Quarter Landfarm Sampling and Analysis Report for the Agua Moss Landfarm located in Section 2, Township 29 North, Range 12 West, San Juan County, New Mexico.

If you have any questions or require additional information, please contact our office at (505) 632-0615.

Respectfully Submitted,
ENVIROTECH, INC.


Toni McKnight, EIT
Environmental Project Manager
tmcknight@envirotech-inc.com

Enclosure: Fourth Quarter Landfarm Sampling and Analysis Report

Cc: Client File Number: 07117

**FOURTH QUARTER LANDFARM SOIL SAMPLING
AND ANALYSIS REPORT
AGUA MOSS LANDFARM
CELL #1 AND CELL #2
SECTION 2, TOWNSHIP 29 NORTH, RANGE 12 WEST
SAN JUAN COUNTY, NEW MEXICO**

TABLE OF CONTENTS

<u>INTRODUCTION</u>	1
<u>ACTIVITIES PERFORMED</u>	1
<u>SUMMARY AND CONCLUSIONS</u>	2
<u>STATEMENT OF LIMITATIONS</u>	2

Figures:	Figure 1, Vicinity Map Figure 2, Sampling Grid Diagram
Tables:	Table 1, Summary of Analytical Results Table 2, Summary of WQCC Metals Results
Appendices:	Appendix A, Analytical Results Appendix B, Field Notes

INTRODUCTION

Envirotech, Inc. of Farmington, New Mexico, was contracted by Agua Moss to provide sampling and analysis services for the Agua Moss Farmington-NM-01-0009 landfarm located in Section 2, Township 29 North, Range 12 West, San Juan County, New Mexico; see **Figure 1, Vicinity Map**. Activities included sample collection and analysis, documentation and reporting.

ACTIVITIES PERFORMED

Envirotech personnel performed soil sampling activities on December 12, 2012, at the Agua Moss landfarm. Envirotech personnel divided Cell #1 into four (4) separate sampling grids and Cell #2 into two (2) sections (North and South) with eight (8) separate sampling grids per section, for a total of 16 separate sampling grids. These sampling areas will be referred to as C1 - (1 to 4), C2N - (1 to 8), and C2S - (1 to 8); see **Figure 2, Sampling Grid Diagram**. Random samples were determined by "Out of Hat" drawing.

Using a hand shovel, one (1) composite sample each was collected from Cell #1, Cell #2 North, and Cell #2 South for treatment zone monitoring. The samples were designated as C1 Surface Comp, C2 South Surface Comp, and C2 North Surface Comp. Each composite sample was collected from four (4) discrete samples collected from zero (0) to six (6) inches below ground surface (BGS). In Cell #1 the discrete samples were collected from areas C1-1.1, C1-2.3, C1-3.1, and C1-3.4. In Cell #2 North the discrete samples were collected from areas C2N-1, C2N-5, C2N-6, and C2N-7. In Cell #2 South the discrete samples were collected from areas C2S-1, C2S-3, C2S-4, and C2S-5; see **Figure 2, Sampling Grid Diagram** and **Appendix B, Field Notes**. Soil samples were homogenized thoroughly, and collected into four (4)-ounce glass jars, capped headspace free, and transported on ice, under chain of custody, to Envirotech's Analytical Laboratory to be analyzed for total petroleum hydrocarbons (TPH) using USEPA Methods 418.1 and 8015, and chlorides using USEPA Method 4500B.

Using a hand auger, one (1) random sample each was collected from Cell #1, Cell #2 North, and Cell #3 South. The samples were designated as C1-3, C2S-5, and C2N-1; see **Figure 2, Sampling Grid Diagram** and **Appendix B, Field Notes**. Each sample was collected two (2) to three (3) feet below native ground surface in each of the sampling grids for vadose zone monitoring. All boreholes and sampling points were backfilled with impermeable bentonite material as stated in OCD Permit NM-01-0009. Soil samples were collected into four (4)-ounce glass jars, capped headspace free, and transported with ice, under chain of custody, to Envirotech's Analytical Laboratory to be analyzed for total petroleum hydrocarbons (TPH) using USEPA Method 8015 and USEPA Method 418.1, Benzene and total BTEX using USEPA Method 8021, WQCC Metals using USEPA Method 6010, and Cations/Anion (General Chemistry) Analysis.

SUMMARY AND CONCLUSIONS

Sampling and analysis services were performed for the Farmington-NM-01-0009 landfarm located in Section 2, Township 29 North, Range 12 West, San Juan County, New Mexico.

Treatment zone sampling using Method 418.1 demonstrated significant levels of TPH in cells C1, C2N, and C2S above the closure standard of 2500 mg/kg (OCD Rule 53.G Specific Requirements Applicable to Landfarms, Treatment Zone Closure Performance Standards). Gasoline range organics (GRO) and diesel range organics (DRO) (Method 8015) for the treatment zone samples returned results below the closure standard of 1000 mg/kg. Treatment zone samples C2N and C2S returned results below closure standards for Chloride concentrations; see *Table 1, Summary of Analytical Results* and *Appendix A, Analytical Results*.

Samples collected from the vadose zone (grid numbers C1-3, C2N-1, and C2S-5) returned non-detect results for benzene and total BTEX. All samples returned results below closure standards for TPH (Method 418.1); see *Table 1, Summary of Analytical Results*. All samples collected from the vadose zone returned results above background (taken in 1997) for Arsenic, Cadmium, Chromium, and Lead. In addition C1-3 Barium results were higher than background. C2N-1 returned results of 0.05 mg/kg for mercury and 0.37 mg/kg for selenium, where in the background tests these constituents were non-detect; see *Table 2, Summary of WQCC Metals Results* and *Appendix A, Analytical Results*.

Envirotech, Inc. recommends continued monitoring, sampling and analysis for the Agua Moss Landfarm until the treatment zone concentrations are below the closure standards and the vadose zones return to background levels.

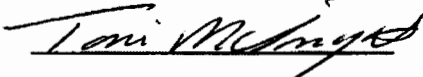
STATEMENT OF LIMITATIONS

Envirotech, Inc. has completed sampling and analysis services for the Farmington-NM-01-0009 landfarm located in Section 2, Township 29 North, Range 12 West, San Juan County, New Mexico. The work and services provided by Envirotech, Inc. were in accordance with the New Mexico Oil Conservation Division standards. All observations and conclusions provided here are based on the information and current site conditions found at the site.

The undersigned has conducted this service at the above referenced site; this work has been conducted and reported in accordance with generally accepted professional practices in geology, engineering, environmental chemistry, and hydrogeology.

We appreciate the opportunity to be of service. If you have any questions or require additional information, please contact our office at (505) 632-0615.

Respectfully Submitted,
ENVIROTECH, INC.


Toni McKnight, EIT
Environmental Project Manager
tmcknight@envirotech-inc.com

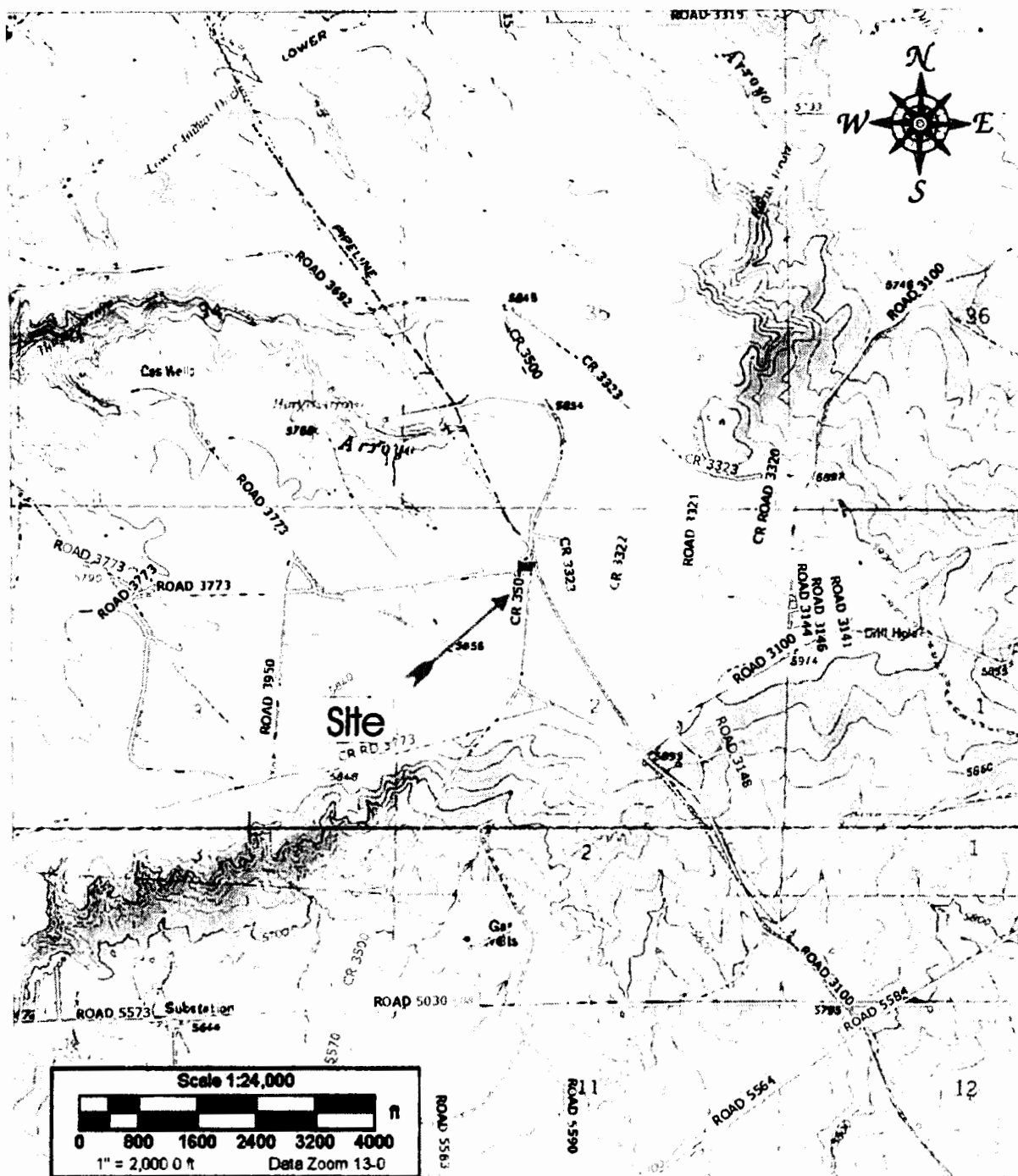
Reviewed by:


Greg Crabtree, P.E.
Environmental Project Manager
gcrabtree@envirotech-inc.com

FIGURES

Figure 1, Vicinity Map

Figure 2, Sampling Grid Diagram



Source: Flora Vista, New Mexico Aztec, New Mexico 87410 7 5 Minute U.S.G.S Topographic Quadrangle Map
 Scale 1:24,000 1" = 2000'

Agua Moss Landfarm
 Section 2, Township 29N, Range 12 West
 San Juan County, New Mexico



5796 U.S. HIGHWAY 64
 Farmington, New Mexico 87401
 505.632.0615

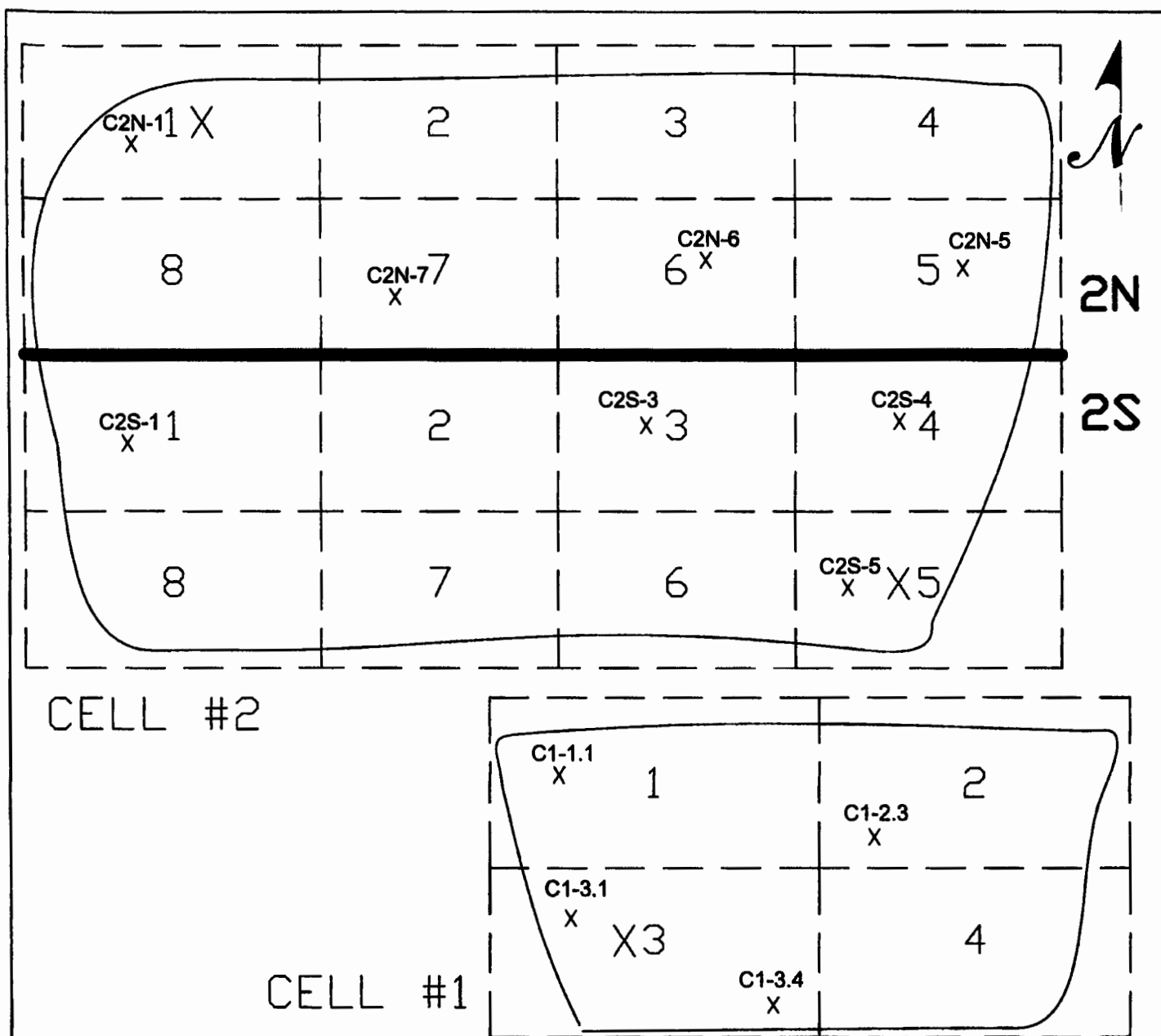
Vicinity Map

Figure 1

PROJECT Number 07117-0004 Date Drawn: 6/27/12

DRAWN BY:
 Christopher Arigo

PROJECT MANAGER
 Greg Crabtree



LEGEND

—— LAND FARM BOUNDARY

- - - - GRID BOUNDARY

X VADOSE ZONE SAMPLING POINTS

C1-1.1 X SURFACE COMPOSITE POINTS

SAMPLING GRID DIAGRAM AGUA MOSS LANDFARM SECTION 2, TOWNSHIP 29N, RANGE 12W SAN JUAN COUNTY, NEW MEXICO

SCALE: NTS

PROJECT N007117-0004

FIGURE NO. 2

REV

REVISIONS

NO.	DATE	BY	DESCRIPTION
MAP DRWN	CRA	12/12/12	BASE DRWN



5796 U.S. HIGHWAY 64, FARMINGTON, NM 87401 505-632-0615

TABLES

Table 1, Summary of Analytical Results

Table 2, Summary of WQCC Metals Results

Table 1, Summary of Analytical Results
Agua Moss
Fourth Quarter Landfarm Sampling Report
Permit NM-01-0009
Section 2, Township 29 North, Range 12 West
San Juan County, New Mexico
Project Number 07117-0004

Date	Sample Description	Grid Number	Latitude/Longitude	USEPA Method	USEPA Method	USEPA Method 8021		USEPA Method 4500B Chlorides (ppm)
				418.1 TPH (ppm)	8015 TPH (ppm)	Benzene (ppm)	BTEX (ppm)	
12/12/2012	Cell 1	3	36.758144, -108.071721	2500	1000	0.2	50	1000
12/12/2012	Cell 1 Surface Comp	TZ		33.6	< 0.1	< 0.01	< 0.01	NS
12/12/2012	Cell 2N	1	36.759117, -108.072755	25600.0	8.8	NS	NS	44.8
12/12/2012	Cell 2N Surface Comp	TZ		222.0	< 0.1	< 0.01	< 0.01	NS
12/12/2012	Cell 2S	5	36.758709, -108.071449	16800.0	14.7	NS	NS	529
12/12/2012	Cell 2S Surface Comp	TZ		114	21.5	< 0.01	< 0.01	NS
12/12/2012	Cell 2S Surface Comp	TZ		9150	6.3	NS	NS	390

Bold - Above NMOCCL Landfarm Closure Limits
***ND - Parameter not detected**

Table 2, Summary of WQCC Metals Results
Agua Moss
Fourth Quarter Landfarm Sampling Report
Permit NM-01-0009
Section 2, Township 29 North, Range 12 West
San Juan County, New Mexico
Project Number 07117-0004

Date	Sample Description	Grid Number	Latitude/Longitude	Arsenic (ppm)	Barium (ppm)	Cadmium (ppm)	Fluoride (ppm)	Lead (ppm)	Mercury (ppm)	Selenium (ppm)	Silver (ppm)	Iron (ppm)
12/12/2012	Cell 1	3	36.756144, -108.071721	3.90*	15600*	70.3*	3130*	400*	15.6*	391*	391*	54800*
12/12/2012	Cell 2N	1	36.759117, -108.072755	4.34	270	1.11	1.13	7.97	0.05	0.37	< 0.01	< 0.01
12/12/2012	Cell 2S	5	36.758709, -108.071449	2.88	175	1.12	4.41	7.37	< 0.01	< 0.01	< 0.01	0.008

Bold - Above NMED Soil Screening Levels for Residential Soil
*** NMED Table A-1 Soil Screening Levels for Residential Soil**

APPENDIX A

Analytical Results



Report Summary

Client: Agua Moss

Chain of Custody Number: 15007

Samples Received: 12-12-12

Job Number: 07117-0004

Sample Number(s): 63934-63939

Project Name/Location: Cells 1 and 2 4th Quarter Landfarm Sampling

Entire Report Reviewed By:

A handwritten signature in black ink, appearing to be 'J. P. ...', written over a horizontal line.

Date:

12/20/12

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.



**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

Client:	Aqua Moss	Project #:	07117-0004
Sample ID:	C1 Surface Comp	Date Reported:	12-18-12
Laboratory Number:	63936	Date Sampled:	12-12-12
Chain of Custody No:	15007	Date Received:	12-12-12
Sample Matrix:	Soil	Date Extracted:	12-17-12
Preservative:	Cool	Date Analyzed:	12-17-12
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	4.0	0.2
Diesel Range (C10 - C28)	4.8	0.1
Total Petroleum Hydrocarbons	8.8	

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Cells 1 and 2 4th Quarter Landfarm Sampling**



**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

Client:	Aqua Moss	Project #:	07117-0004
Sample ID:	C2 North Surface Comp	Date Reported:	12-18-12
Laboratory Number:	63934	Date Sampled:	12-12-12
Chain of Custody No:	15007	Date Received:	12-12-12
Sample Matrix:	Soil	Date Extracted:	12-17-12
Preservative:	Cool	Date Analyzed:	12-17-12
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	5.6	0.2
Diesel Range (C10 - C28)	9.2	0.1
Total Petroleum Hydrocarbons	14.7	

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Cells 1 and 2 4th Quarter Landfarm Sampling



**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

Client:	Aqua Moss	Project #:	07117-0004
Sample ID:	C2 South Surface Comp	Date Reported:	12-18-12
Laboratory Number:	63935	Date Sampled:	12-12-12
Chain of Custody No:	15007	Date Received:	12-12-12
Sample Matrix:	Soil	Date Extracted:	12-17-12
Preservative:	Cool	Date Analyzed:	12-17-12
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	4.0	0.2
Diesel Range (C10 - C28)	2.3	0.1
Total Petroleum Hydrocarbons	6.3	

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Cells 1 and 2 4th Quarter Landfarm Sampling



**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

Client:	Aqua Moss	Project #:	07117-0004
Sample ID:	C2N-1	Date Reported:	12-18-12
Laboratory Number:	63937	Date Sampled:	12-12-12
Chain of Custody No:	15007	Date Received:	12-12-12
Sample Matrix:	Soil	Date Extracted:	12-17-12
Preservative:	Cool	Date Analyzed:	12-17-12
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Cells 1 and 2 4th Quarter Landfarm Sampling



**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

Client:	Aqua Moss	Project #:	07117-0004
Sample ID:	C2S-5	Date Reported:	12-18-12
Laboratory Number:	63938	Date Sampled:	12-12-12
Chain of Custody No:	15007	Date Received:	12-12-12
Sample Matrix:	Soil	Date Extracted:	12-17-12
Preservative:	Cool	Date Analyzed:	12-17-12
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	21.5	0.1
Total Petroleum Hydrocarbons	21.5	

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Cells 1 and 2 4th Quarter Landfarm Sampling**



**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

Client:	Aqua Moss	Project #:	07117-0004
Sample ID:	C1-3	Date Reported:	12-18-12
Laboratory Number:	63939	Date Sampled:	12-12-12
Chain of Custody No:	15007	Date Received:	12-12-12
Sample Matrix:	Soil	Date Extracted:	12-17-12
Preservative:	Cool	Date Analyzed:	12-17-12
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Cells 1 and 2 4th Quarter Landfarm Sampling



EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	1217TCAL QA/QC	Date Reported:	12-18-12
Laboratory Number:	63934	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-17-12
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
Gasoline Range C5 - C10	12-17-12	1.0439E+03	1.0443E+03	0.04%	0 - 15%
Diesel Range C10 - C28	12-17-12	1.0181E+03	1.0185E+03	0.04%	0 - 15%

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	5.6	5.6	0.0%	0 - 30%
Diesel Range C10 - C28	9.2	8.9	3.3%	0 - 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	5.6	250	291	114%	75 - 125%
Diesel Range C10 - C28	9.2	250	250	96.3%	75 - 125%

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: QA/QC for Samples 63828, 63934-63939, 63973 and 63995.



**EPA METHOD 8021
AROMATIC VOLATILE ORGANICS**

Client:	Aqua Moss	Project #:	07117-0004
Sample ID:	C2N-1	Date Reported:	12-18-12
Laboratory Number:	63937	Date Sampled:	12-12-12
Chain of Custody:	15007	Date Received:	12-12-12
Sample Matrix:	Soil	Date Analyzed:	12-17-12
Preservative:	Cool	Date Extracted:	12-17-12
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	50

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	10.0
Toluene	ND	10.0
Ethylbenzene	ND	10.0
p,m-Xylene	ND	10.0
o-Xylene	ND	10.0
Total BTEX	ND	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	94.5 %
	1,4-difluorobenzene	97.6 %
	Bromochlorobenzene	96.2 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846 USEPA, December 1996.

Comments: Cells 1 and 2 4th Quarter Landfarm Sampling



**EPA METHOD 8021
AROMATIC VOLATILE ORGANICS**

Client:	Aqua Moss	Project #:	07117-0004
Sample ID:	C2S-5	Date Reported:	12-18-12
Laboratory Number:	63938	Date Sampled:	12-12-12
Chain of Custody:	15007	Date Received:	12-12-12
Sample Matrix:	Soil	Date Analyzed:	12-17-12
Preservative:	Cool	Date Extracted:	12-17-12
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	50

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	10.0
Toluene	ND	10.0
Ethylbenzene	ND	10.0
p,m-Xylene	ND	10.0
o-Xylene	ND	10.0
Total BTEX	ND	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	105 %
	1,4-difluorobenzene	104 %
	Bromochlorobenzene	93.6 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846 USEPA, December 1996.

Comments: Cells 1 and 2 4th Quarter Landfarm Sampling



**EPA METHOD 8021
AROMATIC VOLATILE ORGANICS**

Client:	Aqua Moss	Project #:	07117-0004
Sample ID:	C1-3	Date Reported:	12-18-12
Laboratory Number:	63939	Date Sampled:	12-12-12
Chain of Custody:	15007	Date Received:	12-12-12
Sample Matrix:	Soil	Date Analyzed:	12-17-12
Preservative:	Cool	Date Extracted:	12-17-12
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	50

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	10.0
Toluene	ND	10.0
Ethylbenzene	ND	10.0
p,m-Xylene	ND	10.0
o-Xylene	ND	10.0
Total BTEX	ND	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	92.3 %
	1,4-difluorobenzene	96.5 %
	Bromochlorobenzene	95.2 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846 USEPA, December 1996.

Comments: Cells 1 and 2 4th Quarter Landfarm Sampling



**EPA METHOD 8021
AROMATIC VOLATILE ORGANICS**

Client:	N/A	Project #:	N/A
Sample ID:	1217BCAL QA/QC	Date Reported:	12-18-12
Laboratory Number:	63937	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-17-12
Condition:	N/A	Analysis:	BTEX
		Dilution:	50

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff.	Blank Conc	Detect. Limit
	Accept. Range 0-15%				
Benzene	9.3982E-06	9.3982E-06	0.000	ND	0.2
Toluene	9.6605E-06	9.6605E-06	0.000	ND	0.2
Ethylbenzene	1.3072E-05	1.3072E-05	0.000	ND	0.2
p,m-Xylene	1.1363E-05	1.1363E-05	0.000	ND	0.2
o-Xylene	1.4180E-05	1.4180E-05	0.000	ND	0.2

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	ND	ND	0.00	0 - 30%	10
Toluene	ND	ND	0.00	0 - 30%	10
Ethylbenzene	ND	ND	0.00	0 - 30%	10
p,m-Xylene	ND	ND	0.00	0 - 30%	10
o-Xylene	ND	ND	0.00	0 - 30%	10

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	2500	2030	81.2	39 - 150
Toluene	ND	2500	2320	92.8	46 - 148
Ethylbenzene	ND	2500	2140	85.6	32 - 160
p,m-Xylene	ND	5000	3950	79.0	46 - 148
o-Xylene	ND	2500	1970	78.8	46 - 148

ND - Parameter not detected at the stated detection limit.

Dilution: Spike and spiked sample concentration represent a dilution proportional to sample dilution.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for Samples 63828, 63937-63939 and 63995-63996.



TRACE METAL ANALYSIS

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	C2N-1	Date Reported:	12-19-12
Laboratory Number:	63937	Date Sampled:	12-12-12
Chain of Custody:	15007	Date Received:	12-12-12
Sample Matrix:	Soil	Date Analyzed:	12-19-12
Preservative:	Cool	Date Digested:	12-17-12
Condition:	Intact	Analysis Needed:	Total RCRA Metals
		Dilution	100

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Arsenic	4.34	0.01
Barium	270	0.01
Cadmium	1.11	0.01
Chromium	6.81	0.01
Lead	7.97	0.01
Mercury	0.05	0.01
Selenium	0.37	0.01
Silver	ND	0.01

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.
SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emission Spectroscopy, SW-846, USEPA, December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, August 24, 1998.

Comments: **Cell's 1 and 2 4th Quarter Landfarm Sampling**



TRACE METAL ANALYSIS

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	C2S-5	Date Reported:	12-19-12
Laboratory Number:	63938	Date Sampled:	12-12-12
Chain of Custody:	15007	Date Received:	12-12-12
Sample Matrix:	Soil	Date Analyzed:	12-19-12
Preservative:	Cool	Date Digested:	12-17-12
Condition:	Intact	Analysis Needed:	Total RCRA Metals
		Dilution	100

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Arsenic	2.88	0.01
Barium	175	0.01
Cadmium	1.12	0.01
Chromium	7.54	0.01
Lead	7.37	0.01
Mercury	ND	0.01
Selenium	ND	0.01
Silver	ND	0.01

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.
SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emission Spectroscopy, SW-846, USEPA, December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, August 24, 1998.

Comments: **Cell's 1 and 2 4th Quarter Landfarm Sampling**

CHAIN OF CUSTODY RECORD

15007

Client: Agua Moss			Project Name / Location: Cell 13 1 and 2 4th Quarter Landfarm Sampling			ANALYSIS / PARAMETERS													
Email results to: Toni McKnight			Sampler Name: K. Peire																
Client Phone No.: _____			Client No.: 07117-0004																
Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative		TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE	Sample Cool	Sample Intact	
					H ₂ O ₂	HCl													
C2 North Surface Comp	12-12-12	14:30	U3934 P212038-01	1 quart Bag			XX								XX			Y	
C2 South Surface Comp	12-12-12	15:45	U3935 P212038-02	1 quart Bag			XX								XX			Y	
C1 Surface Comp	12-12-12	15:50	U3936 P212038-03	1 quart Bag			XX								XX			Y	
C2N-1	12-12-12	14:50	U3937 P212038-04	1 quart Bag			XX								XX			Y	
C2S-5	12-12-12	15:15	U3938 P212038-05	1 quart Bag			XX								XX			Y	
C1-3	12-12-12	15:35	U3939 P212038-06	1 quart Bag			XX								XX			Y	
Relinquished by: (Signature) _____			Date	Time	Received by: (Signature) _____			Date	Time										
Relinquished by: (Signature) _____			12-12-12	16:20	Received by: (Signature) _____			12-12-12	16:20										
Sample Matrix																			
Soil ☒ Solid ☐ Sludge ☐ Aqueous ☐ Other ☐																			
☐ Sample(s) dropped off after hours to secure drop off area.																			



5795 US Highway 64 • Farmington, NM 87401 • 505-632-0615 • Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301 • laboratory@envirotech-inc.com



TRACE METAL ANALYSIS

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	C1-3	Date Reported:	12-19-12
Laboratory Number:	63939	Date Sampled:	12-12-12
Chain of Custody:	15007	Date Received:	12-12-12
Sample Matrix:	Soil	Date Analyzed:	12-19-12
Preservative:	Cool	Date Digested:	12-17-12
Condition:	Intact	Analysis Needed:	Total RCRA Metals
		Dilution	100

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Arsenic	3.40	0.01
Barium	597	0.01
Cadmium	0.66	0.01
Chromium	4.86	0.01
Lead	5.23	0.01
Mercury	ND	0.01
Selenium	ND	0.01
Silver	ND	0.01

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.
SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emission Spectroscopy, SW-846, USEPA, December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, August 24, 1998.

Comments: **Cell's 1 and 2 4th Quarter Landfarm Sampling**



TRACE METAL ANALYSIS
Quality Control /
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	12-19-TM QA/QC	Date Reported:	12-19-12
Laboratory Number:	63828	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	Total Metals	Date Analyzed:	12-19-12
Condition:	N/A	Date Digested:	12-18-12

Blank & Duplicate Conc. (mg/Kg)	Instrument Blank (mg/L)	Method Blank	Detection Limit	Dilution	Duplicate	% Diff.	100
				Sample			Acceptance Range
Arsenic	ND	ND	0.01	23.8	23.9	0.29%	0% - 30%
Barium	ND	ND	0.01	352	351	0.40%	0% - 30%
Cadmium	ND	ND	0.01	4.48	4.41	1.59%	0% - 30%
Chromium	ND	ND	0.01	ND	ND	0.00%	0% - 30%
Copper	ND	ND	0.01	29.8	29.5	0.91%	0% - 30%
Lead	ND	ND	0.01	29.6	28.3	4.26%	0% - 30%
Mercury	ND	ND	0.01	ND	ND	0.00%	0% - 30%
Nickel	ND	ND	0.01	34.2	34.1	0.23%	0% - 30%
Selenium	ND	ND	0.01	3.72	3.57	3.93%	0% - 30%
Silver	ND	ND	0.01	ND	ND	0.00%	0% - 30%
Zinc	ND	ND	0.01	131	129	1.53%	0% - 30%
Spike Conc. (mg/Kg)		Spike Added	Sample	Spiked Sample	Percent Recovery		Acceptance Range
Arsenic		25.0	23.8	49.5	101%		80% - 120%
Barium		500	352	879	103%		80% - 120%
Cadmium		25.0	4.48	28.7	97.3%		80% - 120%
Chromium		50.0	ND	40.7	81.5%		80% - 120%
Copper		50.0	29.8	72.1	90.4%		80% - 120%
Lead		50.0	29.6	74.8	94.1%		80% - 120%
Mercury		10.0	ND	8.77	87.7%		80% - 120%
Nickel		50.0	34.2	84.3	100%		80% - 120%
Selenium		10.0	3.72	13.7	99.7%		80% - 120%
Silver		10.0	ND	4.06	40.6%	*	80% - 120%
Zinc		50.0	131	172	95.1%		80% - 120%

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.
 SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emission Spectroscopy, SW-846, USEPA, December 1996.

****Note:** Low recovery due to interference

Comments: QA/QC for Samples 63828, 63937-63939, and 63943

**CATION / ANION ANALYSIS**

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	C2N-1	Date Reported:	12-19-12
Laboratory Number:	63937	Date Sampled:	12-12-12
Chain of Custody:	15007	Date Received:	12-12-12
Sample Matrix:	Soil Extract	Date Analyzed:	12-14-12
Preservative:	Cool		
Condition:	Intact		

Parameter	Analytical Result	Units		
pH	7.73	s.u.		
Conductivity @ 25° C	1,282	umhos/cm		
Total Dissolved Solids @ 180C	812	mg/L		
SAR	3.00	ratio		
Total Alkalinity as CaCO3	89.0	mg/L		
Total Hardness as CaCO3	244	mg/L		
Bicarbonate as CaCO3	89.0	mg/L	1.5	meq/L
Carbonate as CaCO3	< 0.01	mg/L	0.000	meq/L
Hydroxide as CaCO3	< 0.01	mg/L	0.001	meq/L
Nitrate Nitrogen	2.17	mg/L	0.035	meq/L
Nitrite Nitrogen	< 0.01	mg/L	0.000	meq/L
Chloride	600	mg/L	17	meq/L
Fluoride	1.13	mg/L	0.059	meq/L
Phosphate	< 0.01	mg/L	0.000	meq/L
Sulfate	210	mg/L	4.37	meq/L
Iron	0.02	mg/L	0.001	meq/L
Calcium	61.7	mg/L	3	meq/L
Magnesium	21.8	mg/L	2	meq/L
Potassium	2.66	mg/L	0.1	meq/L
Sodium	107	mg/L	5	meq/L

Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments **Cells 1 and 2 4th Quarter Landfarm Sampling**

**CATION / ANION ANALYSIS**

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	C2S-5	Date Reported:	12-19-12
Laboratory Number:	63938	Date Sampled:	12-12-12
Chain of Custody:	15007	Date Received:	12-12-12
Sample Matrix:	Soil Extract	Date Analyzed:	12-14-12
Preservative:	Cool		
Condition:	Intact		

Parameter	Analytical Result	Units		
pH	8.45	s.u.		
Conductivity @ 25° C	1,010	umhos/cm		
Total Dissolved Solids @ 180C	524	mg/L		
SAR	7.90	ratio		
Total Alkalinity as CaCO3	114	mg/L		
Total Hardness as CaCO3	74.2	mg/L		
Bicarbonate as CaCO3	114	mg/L	1.9	meq/L
Carbonate as CaCO3	< 0.01	mg/L	0.000	meq/L
Hydroxide as CaCO3	< 0.01	mg/L	0.001	meq/L
Nitrate Nitrogen	1.38	mg/L	0.022	meq/L
Nitrite Nitrogen	< 0.01	mg/L	0.000	meq/L
Chloride	375	mg/L	11	meq/L
Fluoride	4.41	mg/L	0.232	meq/L
Phosphate	< 0.01	mg/L	0.000	meq/L
Sulfate	80.7	mg/L	1.68	meq/L
Iron	0.008	mg/L	0.000	meq/L
Calcium	13.3	mg/L	1	meq/L
Magnesium	10.0	mg/L	1	meq/L
Potassium	1.26	mg/L	0.0	meq/L
Sodium	157	mg/L	7	meq/L

Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments **Cells 1 and 2 4th Quarter Landfarm Sampling**



CATION / ANION ANALYSIS

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	C1-3	Date Reported:	12-19-12
Laboratory Number:	63939	Date Sampled:	12-12-12
Chain of Custody:	15007	Date Received:	12-12-12
Sample Matrix:	Soil Extract	Date Analyzed:	12-14-12
Preservative:	Cool		
Condition:	Intact		

Parameter	Analytical Result	Units		
pH	8.68	s.u.		
Conductivity @ 25° C	922	umhos/cm		
Total Dissolved Solids @ 180C	588	mg/L		
SAR	5.60	ratio		
Total Alkalinity as CaCO3	92.0	mg/L		
Total Hardness as CaCO3	108	mg/L		
Bicarbonate as CaCO3	92.0	mg/L	1.5	meq/L
Carbonate as CaCO3	< 0.01	mg/L	0.000	meq/L
Hydroxide as CaCO3	< 0.01	mg/L	0.001	meq/L
Nitrate Nitrogen	1.04	mg/L	0.017	meq/L
Nitrite Nitrogen	< 0.01	mg/L	0.000	meq/L
Chloride	145	mg/L	4	meq/L
Fluoride	7.13	mg/L	0.375	meq/L
Phosphate	< 0.01	mg/L	0.000	meq/L
Sulfate	527	mg/L	10.97	meq/L
Iron	< 0.01	mg/L	0.000	meq/L
Calcium	16.6	mg/L	1	meq/L
Magnesium	16.2	mg/L	1	meq/L
Potassium	1.08	mg/L	0.0	meq/L
Sodium	133	mg/L	6	meq/L

Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments **Cells 1 and 2 4th Quarter Landfarm Sampling**



EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	C2 North Surface Comp	Date Reported:	12-20-12
Laboratory Number:	63934	Date Sampled:	12-12-12
Chain of Custody No:	15007	Date Received:	12-12-12
Sample Matrix:	Soil	Date Extracted:	12-20-12
Preservative:	Cool	Date Analyzed:	12-20-12
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	16,800	67.2

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: Cells 1 and 2 4th Quarter Landfarm Sampling



EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	C2 South Surface Comp	Date Reported:	12-20-12
Laboratory Number:	63935	Date Sampled:	12-12-12
Chain of Custody No:	15007	Date Received:	12-12-12
Sample Matrix:	Soil	Date Extracted:	12-20-12
Preservative:	Cool	Date Analyzed:	12-20-12
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
-----------	--------------------------	--------------------------

Total Petroleum Hydrocarbons	9,150	67.2
-------------------------------------	--------------	-------------

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Cells 1 and 2 4th Quarter Landfarm Sampling**



**EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS**

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	C1 Surface Comp	Date Reported:	12-20-12
Laboratory Number:	63936	Date Sampled:	12-12-12
Chain of Custody No:	15007	Date Received:	12-12-12
Sample Matrix:	Soil	Date Extracted:	12-20-12
Preservative:	Cool	Date Analyzed:	12-20-12
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
-----------	--------------------------	--------------------------

Total Petroleum Hydrocarbons	25,600	67.2
-------------------------------------	---------------	-------------

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Cells 1 and 2 4th Quarter Landfarm Sampling**



EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	C2N-1	Date Reported:	12-20-12
Laboratory Number:	63937	Date Sampled:	12-12-12
Chain of Custody No:	15007	Date Received:	12-12-12
Sample Matrix:	Soil	Date Extracted:	12-20-12
Preservative:	Cool	Date Analyzed:	12-20-12
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
-----------	--------------------------	--------------------------

Total Petroleum Hydrocarbons	222	6.7
-------------------------------------	------------	------------

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: Cells 1 and 2 4th Quarter Landfarm Sampling



EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	C2S-5	Date Reported:	12-20-12
Laboratory Number:	63938	Date Sampled:	12-12-12
Chain of Custody No:	15007	Date Received:	12-12-12
Sample Matrix:	Soil	Date Extracted:	12-20-12
Preservative:	Cool	Date Analyzed:	12-20-12
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	114	6.7

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: Cells 1 and 2 4th Quarter Landfarm Sampling



EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	C1-3	Date Reported:	12-20-12
Laboratory Number:	63939	Date Sampled:	12-12-12
Chain of Custody No:	15007	Date Received:	12-12-12
Sample Matrix:	Soil	Date Extracted:	12-20-12
Preservative:	Cool	Date Analyzed:	12-20-12
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
-----------	--------------------------	--------------------------

Total Petroleum Hydrocarbons	33.6	6.7
------------------------------	------	-----

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: Cells 1 and 2 4th Quarter Landfarm Sampling



EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS
QUALITY ASSURANCE REPORT

Client:	QA/QC	Project #:	N/A
Sample ID:	QA/QC	Date Reported:	12-20-12
Laboratory Number:	12-20-TPH.QA/QC 63934	Date Sampled:	N/A
Sample Matrix:	Freon-113	Date Analyzed:	12-20-12
Preservative:	N/A	Date Extracted:	12-20-12
Condition:	N/A	Analysis Needed:	TPH

Calibration	I-Cal Date	C-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
	11-15-12	12-20-12	1,680	1,720	2.4%	+/- 10%

Blank Conc. (mg/Kg)	Concentration	Detection Limit
TPH	ND	6.7

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
TPH	16,800	14,800	11.9%	+/- 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
TPH	16,800	2,000	17,500	93.1%	80 - 120%

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: QA/QC for Samples 63932-63939, 64011.



Chloride

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	C2 North Surface Comp	Date Reported:	12-19-12
Lab ID#:	63934	Date Sampled:	12-12-12
Sample Matrix:	Soil	Date Received:	12-12-12
Preservative:	Cool	Date Analyzed:	12-18-12
Condition:	Intact	Chain of Custody:	15007

Parameter	Concentration (mg/Kg)
-----------	-----------------------

Total Chloride

529

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Cells 1 and 2 4th Quarter Landfarm Sampling**



Chloride

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	C2 South Surface Comp	Date Reported:	12-19-12
Lab ID#:	63935	Date Sampled:	12-12-12
Sample Matrix:	Soil	Date Received:	12-12-12
Preservative:	Cool	Date Analyzed:	12-18-12
Condition:	Intact	Chain of Custody:	15007

Parameter	Concentration (mg/Kg)
-----------	-----------------------

Total Chloride

390

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Cells 1 and 2 4th Quarter Landfarm Sampling**



Chloride

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	C1 Surface Comp	Date Reported:	12-19-12
Lab ID#:	63936	Date Sampled:	12-12-12
Sample Matrix:	Soil	Date Received:	12-12-12
Preservative:	Cool	Date Analyzed:	12-18-12
Condition:	Intact	Chain of Custody:	15007

Parameter	Concentration (mg/Kg)
-----------	-----------------------

Total Chloride

44.8

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Cells 1 and 2 4th Quarter Landfarm Sampling**

APPENDIX B

Field Notes

ENVIROTECH Inc.

5796 US HWY. 64, FARMINGTON, NM 87401
(505) 832-0615

PIT No. _____
COC # _____

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

JOS No. _____
PAGE No. _____ of _____

FACILITY LOCATION: Cell # 1 DATE STARTED 12-12-87
SOURCE LOCATION: _____ DATE FINISHED _____
SOURCE LOCATION: Surface Composite
SOURCE LOCATION: _____ ENVIRONMENTAL
FACILITY CLASSIFICATION: _____ PIT TYPE: _____ SPECIALIST: K. Peire

SOIL REMEDIATION: QUANTITY: _____ # OF COMP. SAMPLES: _____
DIMENSIONS: _____
VISIBLE OBSERVATIONS: _____
SAMPLING PLAN: _____

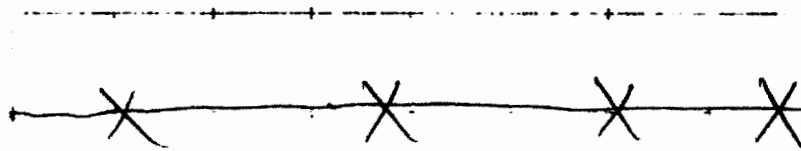
FIELD NOTES & REMARKS: FACILITY CENTER LOCATED APPROX. _____ YARDS _____ FROM WELLHEAD.

DEPTH TO GROUNDWATER: _____
NEAREST WATER SOURCE/TYPE: _____
NEAREST SURFACE WATER: _____
MAX TPE PER NMEDC: _____

No. OF 5-POINT
COMPOSITE SAMPLES:
YARDAGE--#
0-200=1
201-400=2
401-600=3
601-800=4
801-1000=5

FACILITY DIAGRAM

GRID SCALE:



OVM RESULTS

SAMPLE	DATE	TEST	RESULT
1	12-12-87	AS 8015	
2	12-12-87	AS 418	
3	12-12-87	AS 300	

LAB RESULTS

AS 8015
AS 418
AS 300

ENVIROTECH Inc.

5798 US HWY. 64, FARMINGTON, NM 87401
(505) 832-0815

PIT No: _____
COC # _____

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

JOS No _____
PAGE No: _____ of _____

FACILITY LOCATION: Cell # 1 DATE STARTED 12-12-12
SOURCE LOCATION: # 3 DATE FINISHED _____
SOURCE LOCATION: _____ ENVIRONMENTAL SPECIALIST: K. Peire
FACILITY CLASSIFICATION: _____ PIT TYPE: _____

SOIL REMEDIATION: QUANTITY: _____ # OF COMP. SAMPLES: _____
DIMENSIONS: _____
VISIBLE OBSERVATIONS: _____
SAMPLING PLAN: _____

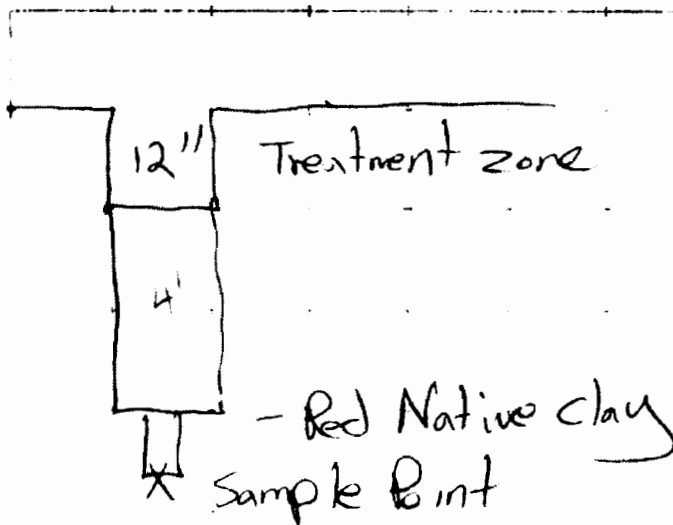
FIELD NOTES & REMARKS: FACILITY CENTER LOCATED APPROX _____ YARDS _____ FROM WELLHEAD.

DEPTH TO GROUNDWATER:
NEAREST WATER SOURCE/TYPE:
NEAREST SURFACE WATER
MAX TPH PER NMOC

No. OF 5-POINT
COMPOSITE SAMPLES:
YARDAGE--#
0-200=1
201-400=2
401-600=3
601-1000=5

FACILITY DIAGRAM

GR.D SCALE



OVM RESULTS

SAMPLE ID	DATE	ANALYST

LAB RESULTS

SAMPLE ID	ANALYST	RESULTS
#3	8015	
#3	8021	
#3	PCRA	
#3	Cation	

ENVIROTECH Inc.

5798 US HWY. 64, FARMINGTON, NM 87401
(505) 832-0815

PIT No: _____
COC # _____

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

JOS No. _____
PAGE No: _____ of _____

FACILITY LOCATION: Cell # 2 DATE STARTED: 12-12-12
SOURCE LOCATION: _____ DATE FINISHED: _____
SOURCE LOCATION: N # 1
SOURCE LOCATION: _____
FACILITY CLASSIFICATION: _____ PIT TYPE: _____ ENVIRONMENTAL SPECIALIST: K. Peire

SOIL REMEDIATION: QUANTITY: _____ # OF COMP SAMPLES: _____
DIMENSIONS: _____
VISIBLE OBSERVATIONS: _____
SAMPLING PLAN: _____

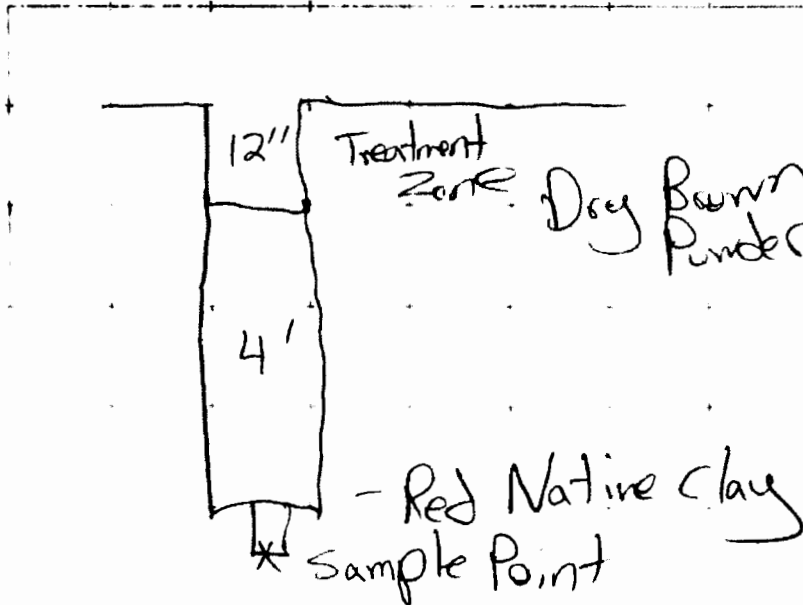
FIELD NOTES & REMARKS: FACILITY CENTER LOCATED APPROX _____ YARDS _____ FROM WELLHEAD.

DEPTH TO GROUNDWATER:
NEAREST WATER SOURCE/TYPE:
NEAREST SURFACE WATER:
MAX TPH PER NMOCB:

No. OF 5-POINT
COMPOSITE SAMPLES:
YARDAGE--#
0-200=1
201-400=2
401-1000=3
>1000=5

FACILITY DIAGRAM

GRID SCALE:



OVM RESULTS

SAMPLE ID	HEADSPACE	FD (ppm)

LAB RESULTS

SAMPLE ID	ANALYSIS	RES	UNIT

CAN 18015
CAN 18021
CAN 18024
CAN 18028

ESTIMATE
PER DAY
VOLUME

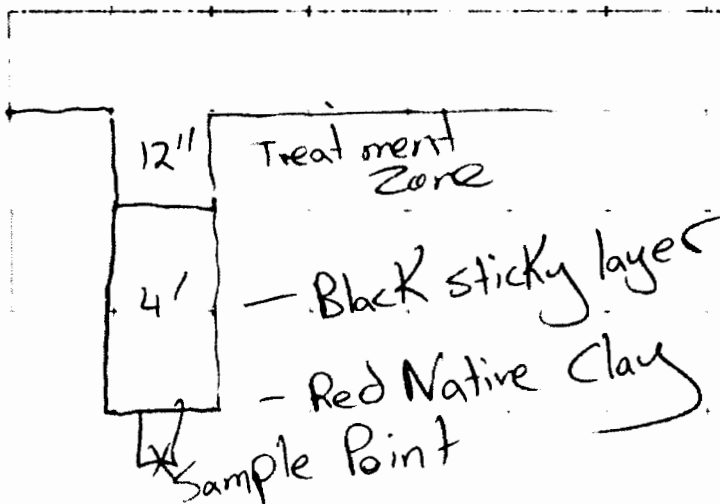
ESTIMATE
PER DAY
VOLUME

ENVIROTECH Inc.5796 US HWY 84, FARMINGTON, NM 87401
(505) 832-0815PIT No: _____
COC # _____**FIELD REPORT: REMEDIATION FACILITY
CLOSURE VERIFICATION**JCS No _____
PAGE No: _____ of _____FACILITY LOCATION: Cell #2 DATE STARTED 12-12-12
SOURCE LOCATION: S#5 DATE FINISHED _____
SOURCE LOCATION: _____ ENVIRONMENTAL SPECIALIST: K. Peire
FACILITY CLASSIFICATION: _____ PIT TYPE: _____SOIL REMEDIATION: QUANTITY: _____ # OF COMP. SAMPLES: _____
DIMENSIONS: _____
VISIBLE OBSERVATIONS: _____
SAMPLING PLAN: _____

FIELD NOTES & REMARKS: FACILITY CENTER LOCATED APPROX _____ YARDS _____ FROM WELLHEAD.

DEPTH TO GROUNDWATER: _____
NEAREST WATER SOURCE/TYPE: _____
NEAREST SURFACE WATER: _____
MAX TPH PER NMCD: _____No. OF 5-POINT
COMPOSITE SAMPLES:
YARDAGE--#
0-200=1
201-400=2
401-1000=3
1000=5**FACILITY DIAGRAM**

GRID SCALE:

**OVM
RESULTS**

SAMPLE ID	#1 2-5-20000

**LAB
RESULTS**

SAMPLE ANALYSIS RESULTS

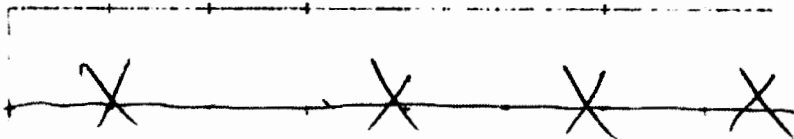
C2552015
C2552021
C2552022
C2552023

ENVIROTECH Inc.5798 US HWY. 84, FARMINGTON, NM 87401
(505) 632-0615PIT No: _____
COC #: _____**FIELD REPORT: REMEDIATION FACILITY
CLOSURE VERIFICATION**JOB No. _____
PAGE No: _____ of _____FACILITY LOCATION: Cell # 2 DATE STARTED: 12-12-12
SOURCE LOCATION: North Surface Composite DATE FINISHED: _____
SOURCE LOCATION: _____ ENVIRONMENTAL SPECIALIST: K. Peine
FACILITY CLASSIFICATION: _____ PIT TYPE: _____SOIL REMEDIATION: QUANTITY: _____ # OF COMP. SAMPLES: _____
DIMENSIONS: _____
VISIBLE OBSERVATIONS: _____
SAMPLING PLAN: _____

FIELD NOTES & REMARKS: FACILITY CENTER LOCATED APPROX _____ YARDS _____ FROM WELLHEAD.

DEPTH TO GROUNDWATER: _____
NEAREST WATER SOURCE/TYPE: _____
NEAREST SURFACE WATER: _____
MAX TPH PER NMOC: _____No. OF 5-POINT
COMPOSITE SAMPLES:
YARDAGE--#
0-200=1
201-400=2
401-1000=3
>1000=5**FACILITY DIAGRAM**

GR.D SCALE:

**OVM
RESULTS**

SAMPLE ID	FIELD SAMPLE NO

**LAB
RESULTS**

SAMPLE ID	ANALYSIS	RES	DATE

CRN 8615
CRN 418
CRN 300MA
P. 10/10/12
12/12/12

ENVIROTECH Inc.

5798 US HWY. 84, FARMINGTON, NY 87401
(505) 832-0615

PT No: _____
COC # _____

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

JOS No: _____
PAGE No: _____ of _____

FACILITY LOCATION: Cell # 2 DATE STARTED: 12-12-88
SOURCE LOCATION: South Surface Composite DATE FINISHED: _____
SOURCE LOCATION: _____ ENVIRONMENTAL SPECIALIST: K. Peire
FACILITY CLASSIFICATION: _____ PFI TYPE: _____

SOIL REMEDIATION QUANTITY: _____ # OF COMP. SAMPLES: _____
DIMENSIONS: _____
VISIBLE OBSERVATIONS: _____
SAMPLING PLAN: _____

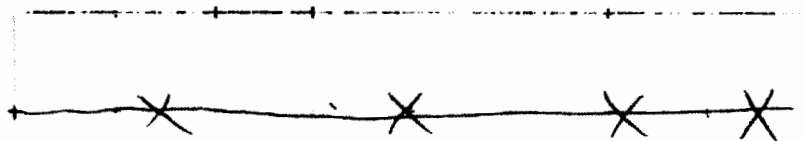
FIELD NOTES & REMARKS: FACILITY CENTER LOCATED APPROX _____ YARDS _____ FROM WELLHEAD.

DEPTH TO GROUNDWATER:
NEAREST WATER SOURCE/TYPE:
NEAREST SURFACE WATER
MAX TPH PER NMDD:

No. OF 5-POINT
COMPOSITE SAMPLES:
YARDAGE--#
0-200=1
201-400=2
401-600=3
601-800=4
801-1000=5

FACILITY DIAGRAM

GRID SCALE:



OVM RESULTS

SAMPLE ID	FIELD DISPOSAL # (if any)

LAB RESULTS

CS 3015
CS 418
CS 300

Appendix C



NEW MEXICO ENERGY, MINERALS and
NATURAL RESOURCES DEPARTMENT

RCVD AUG 14 '12

OIL CONS. DIV.

DIST. 3

MECHANICAL INTEGRITY TEST REPORT

(TA OR UIC)

Date of Test 8-14-12 Operator Agua Moss API # 30-0 45-28653

Property Name Sunco Disp. Well # 1 Location: Unit 2 Sec 2 Twn 3 Rge 2

Land Type:

State
Federal
Private /
Indian

Well Type:

Water Injection
Salt Water Disposal /
Gas Injection
Producing Oil/Gas
Pressure observation

Temporarily Abandoned Well (Y/N): TA Expires:

Casing Pres. 0 Tbg. SI Pres. Max. Inj. Pres.
Bradenhead Pres. 0 Tbg. Inj. Pres.
Tubing Pres. 1500
Int. Casing Pres.

Pressured annulus up to 340 psi. for 30 mins. Test passed/failed /

REMARKS:

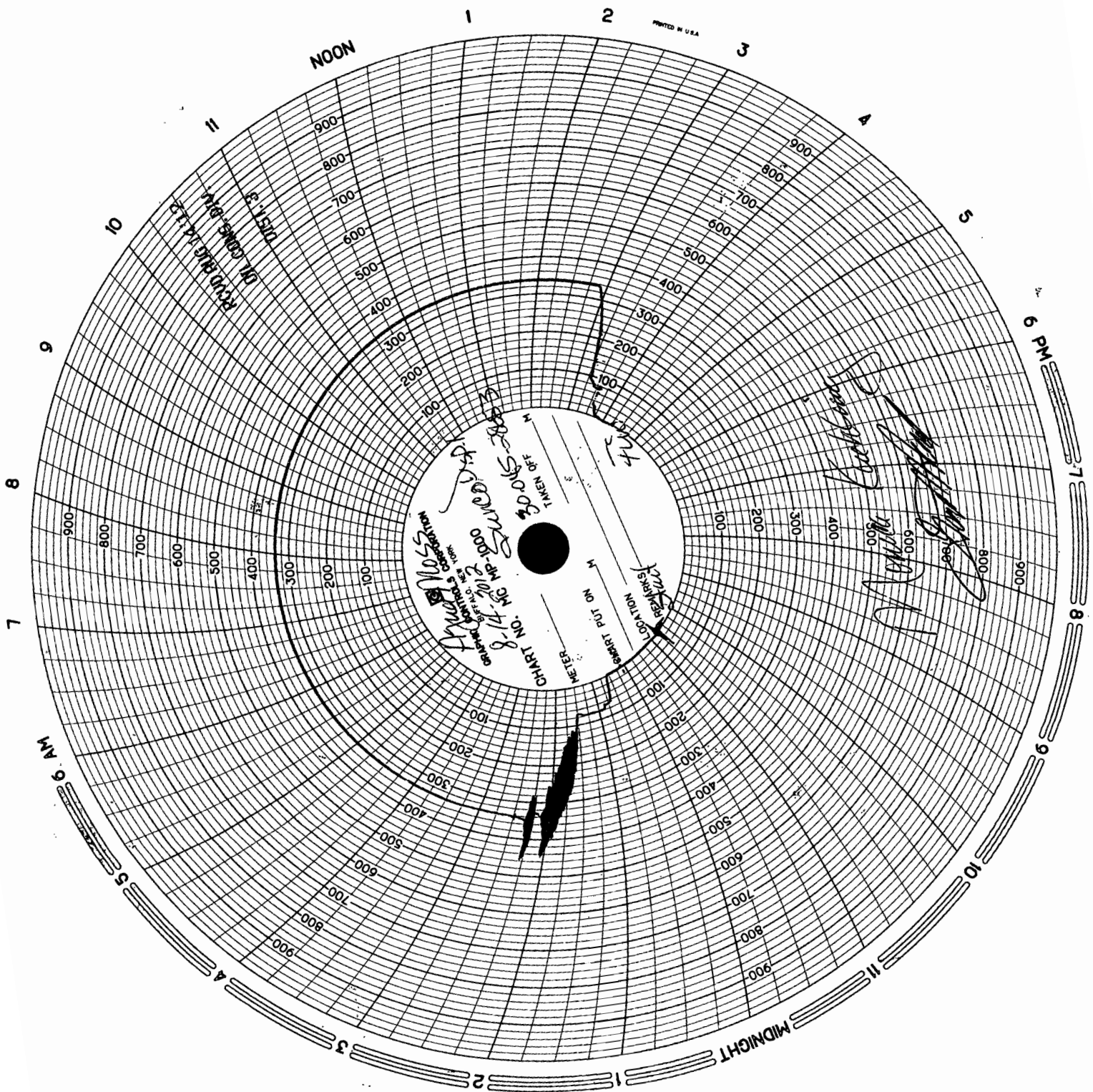
Packer Det 4284
402 Puf 4350

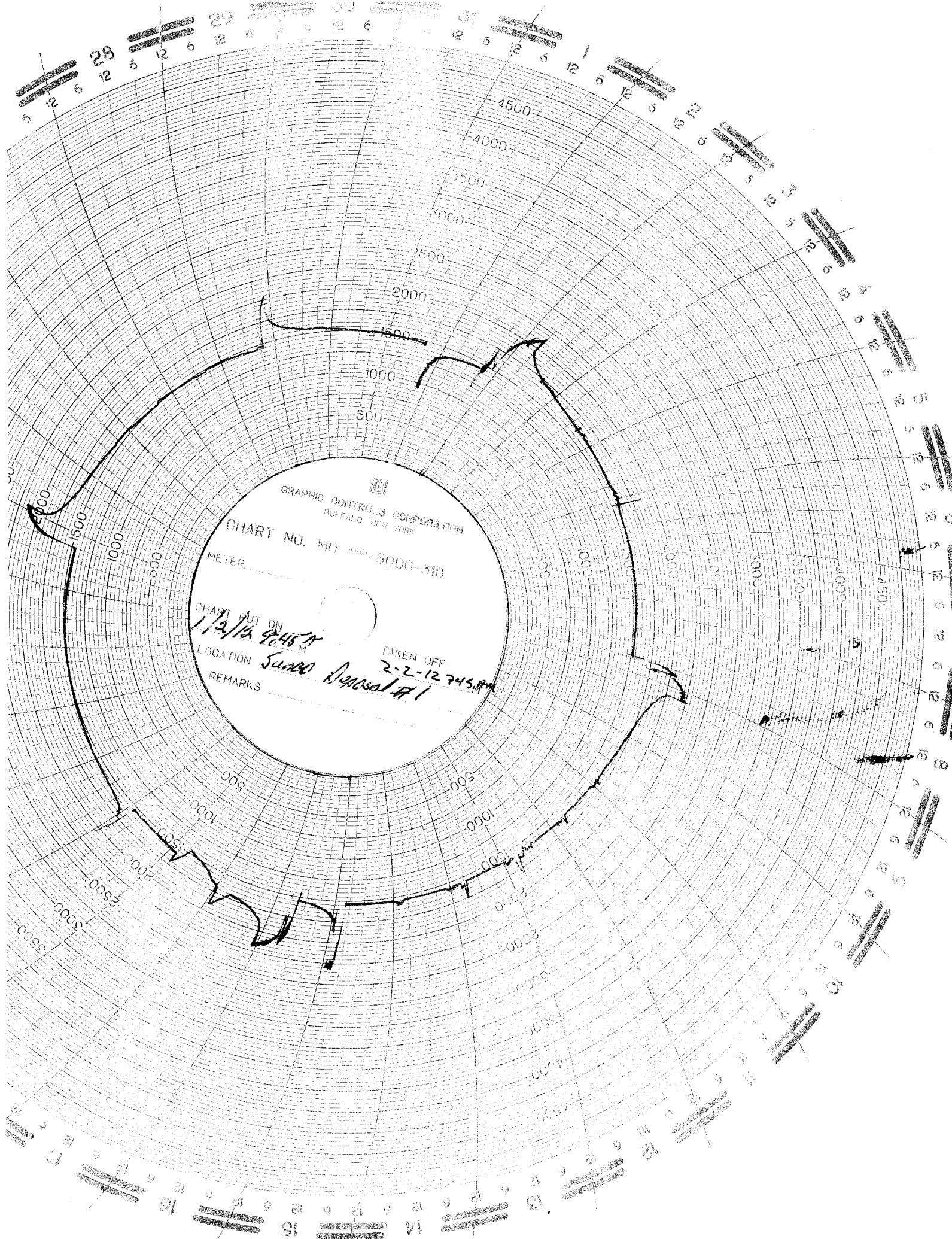
By [Signature]
(Operator Representative)

Witness [Signature]
(NMOCD)

(Position)

Revised 02-11-02





GRAPHIC CONTROLS CORPORATION
BUFFALO, NEW YORK

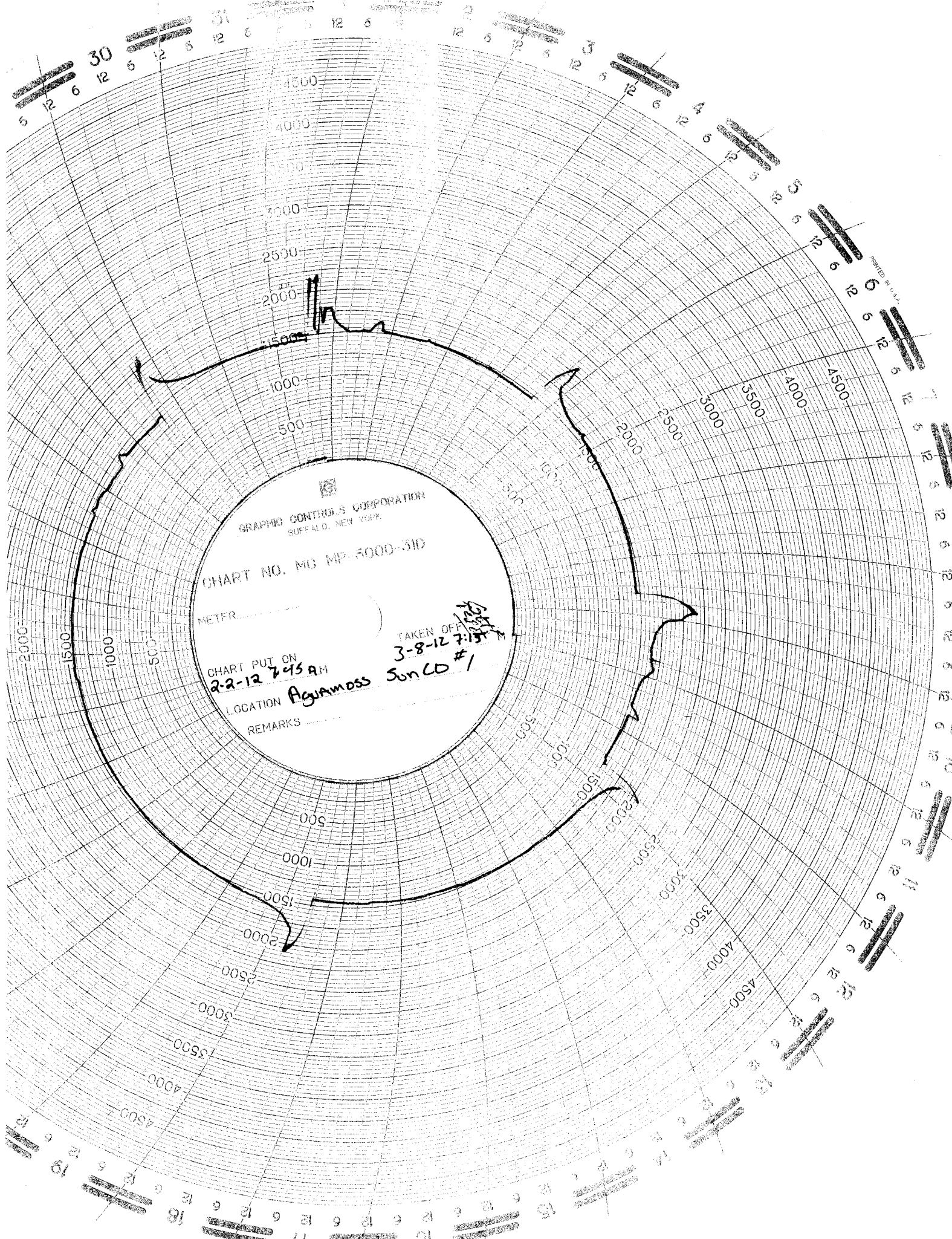
CHART NO. MC-MEL-5000-310
METER

CHART PUT ON
1/2/12 9:45 AM

LOCATION SUMMIT

REMARKS

TAKEN OFF
2-2-12 7:45 AM
DANIEL #1



GRAPHIC CONTROLS CORPORATION
BUFFALO, NEW YORK

CHART NO. MG MP-5000-510

METER

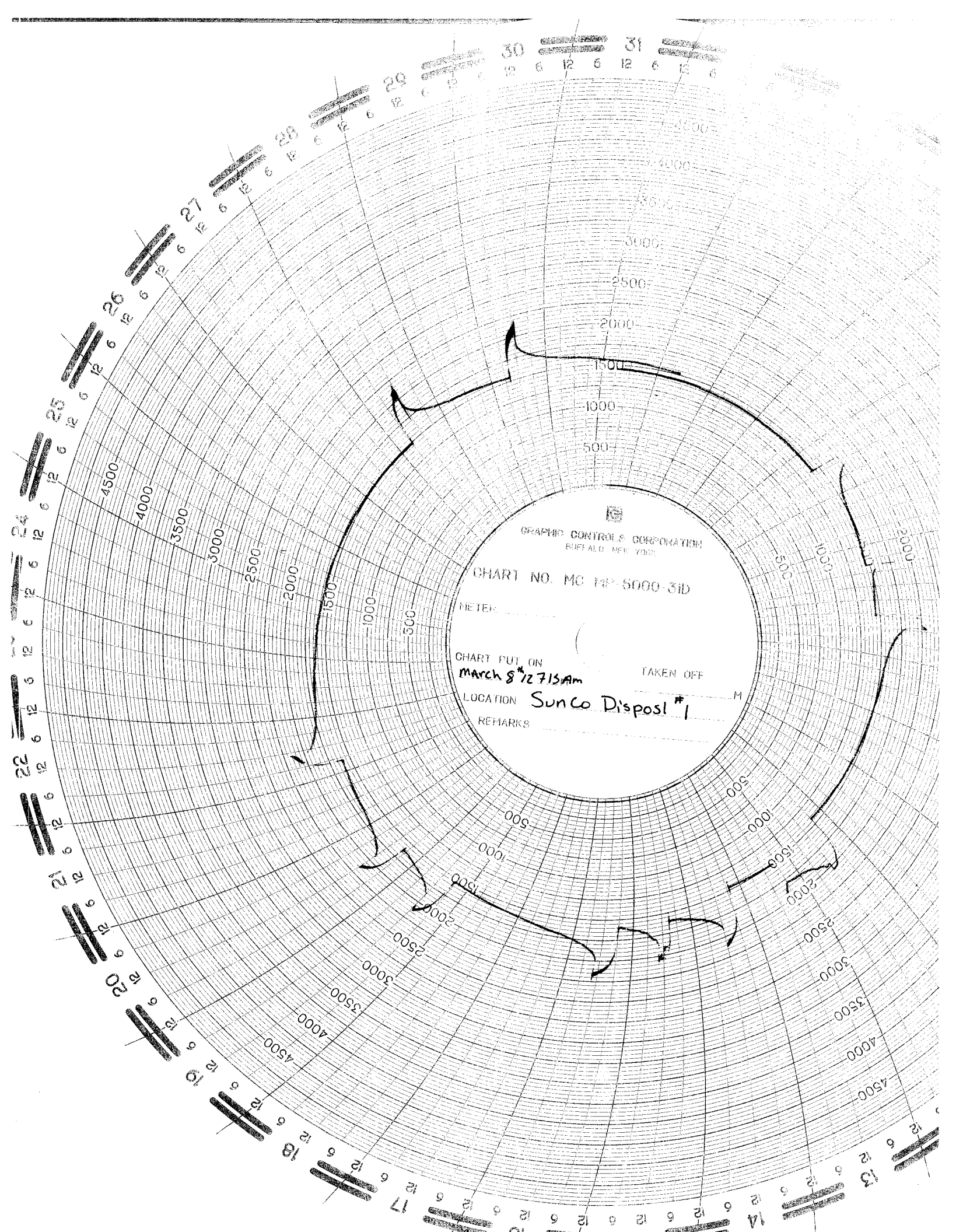
CHART PUT ON
2-2-12 7:45 AM

LOCATION

Aguamoss

REMARKS

TAKEN OFF
3-8-12 7:15 PM
Sun CD #1



GRAPHIC CONTROLS CORPORATION
BUFFALO, NEW YORK

CHART NO. MC HP-5000-31D

METER

CHART PUT ON

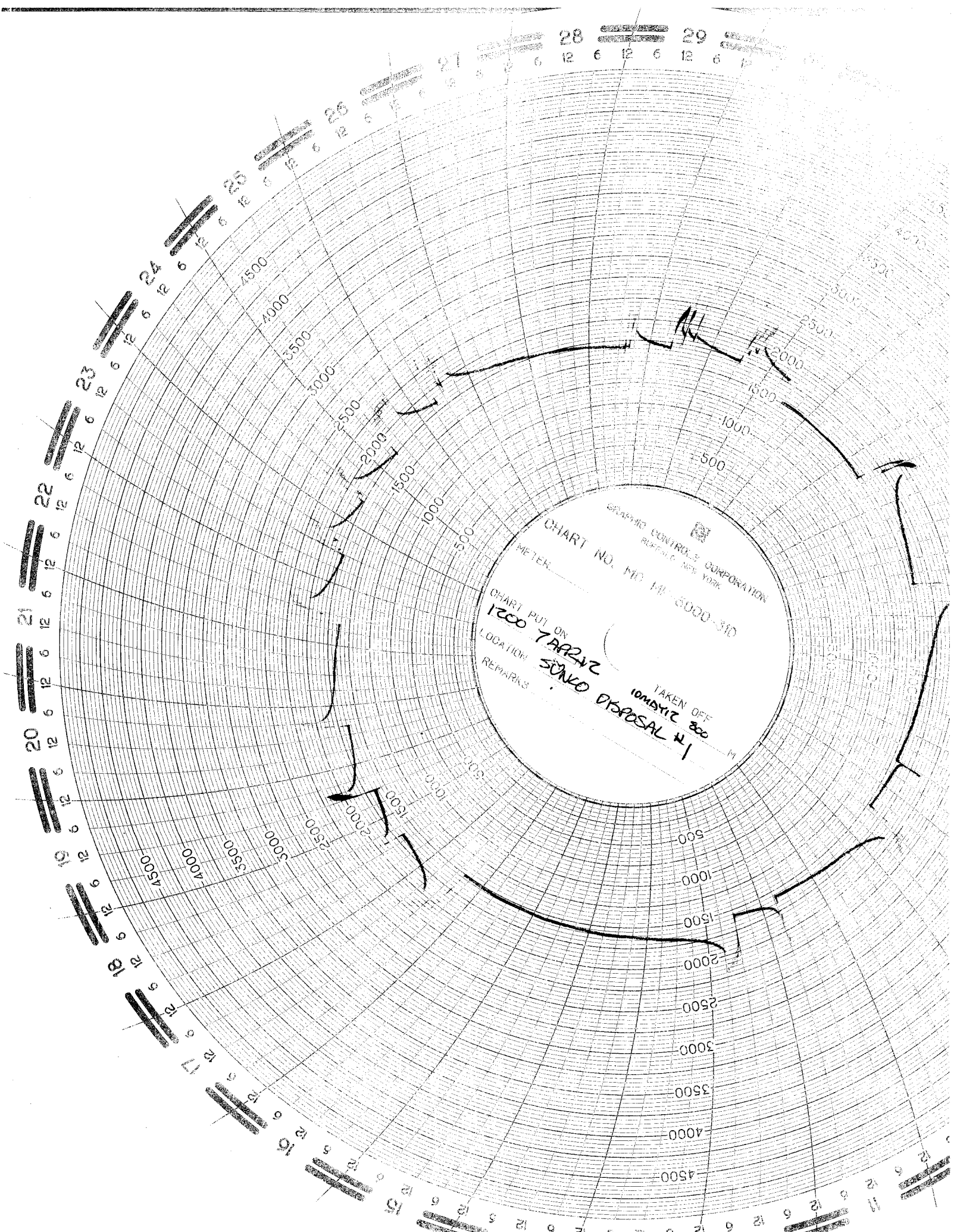
MARCH 8th 7:15 AM

TAKEN OFF

LOCATION

Sunco Disposal #1

REMARKS



GRAPHIC CONTROLS CORPORATION
BUFFALO, NEW YORK

CHART NO. NO. 11-5000-510

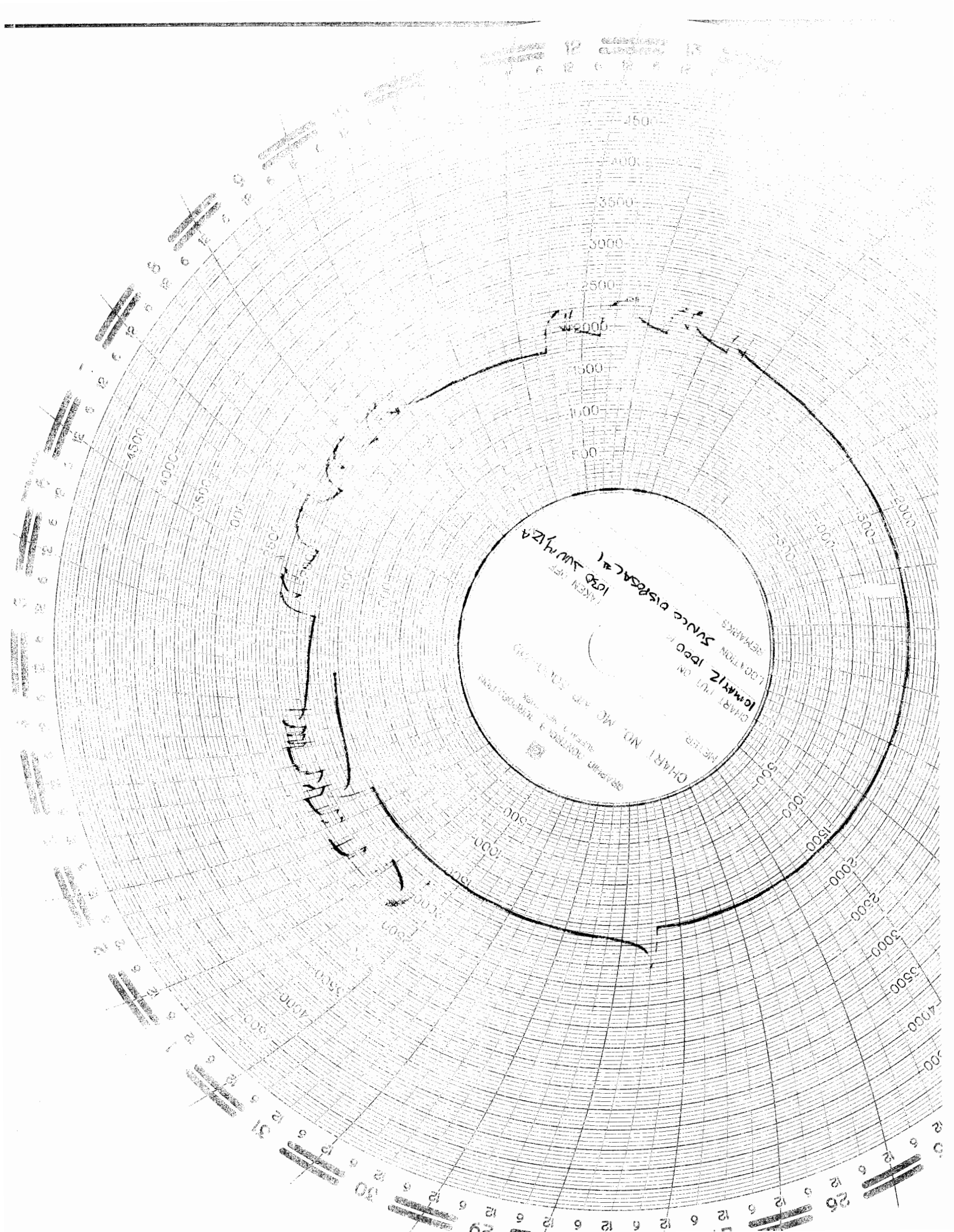
METER

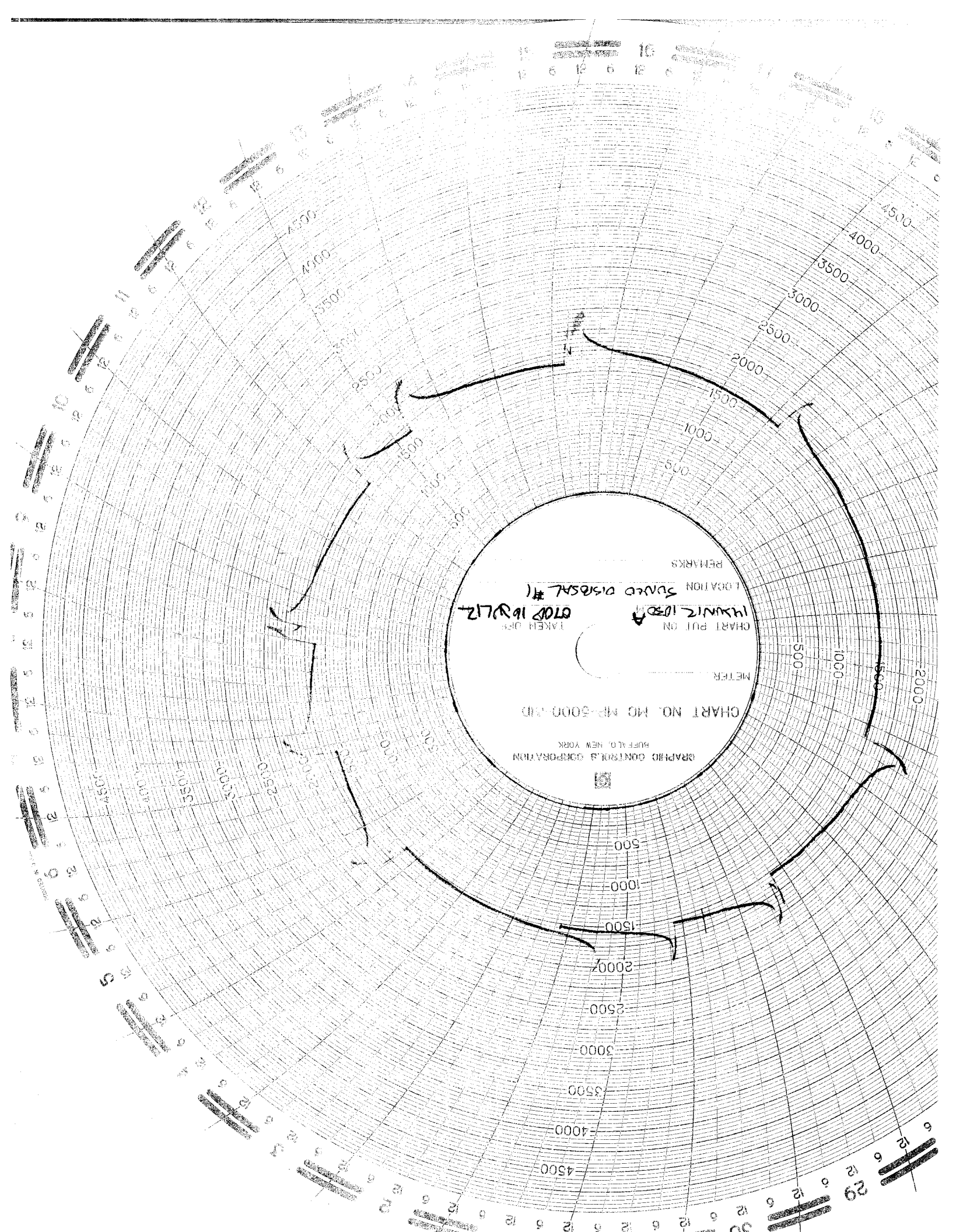
CHART PUT ON
1200 7 APR 42

LOCATION
SONKO DISPOSAL #1

REMARKS

TAKEN OFF
10 MAY 42 300





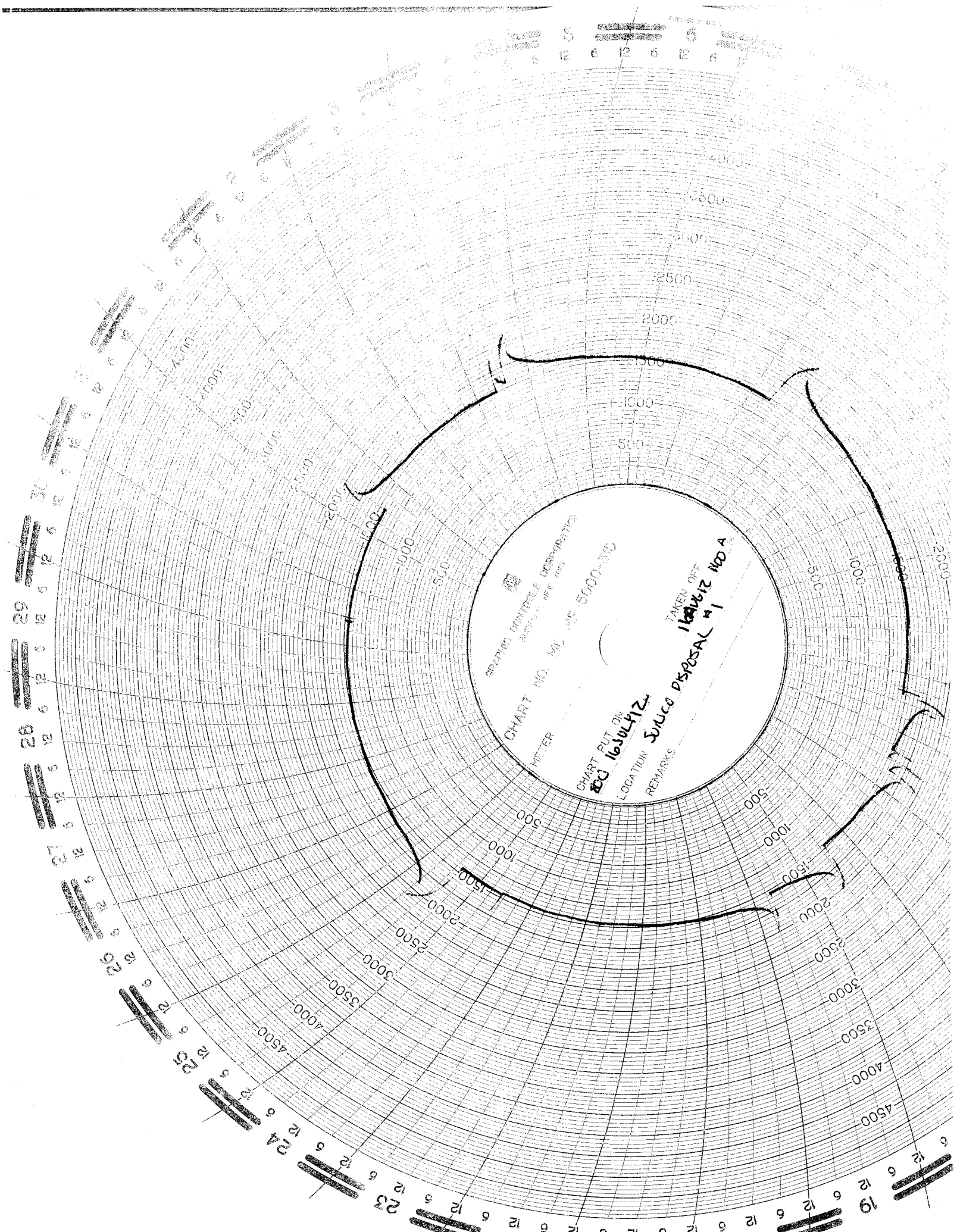


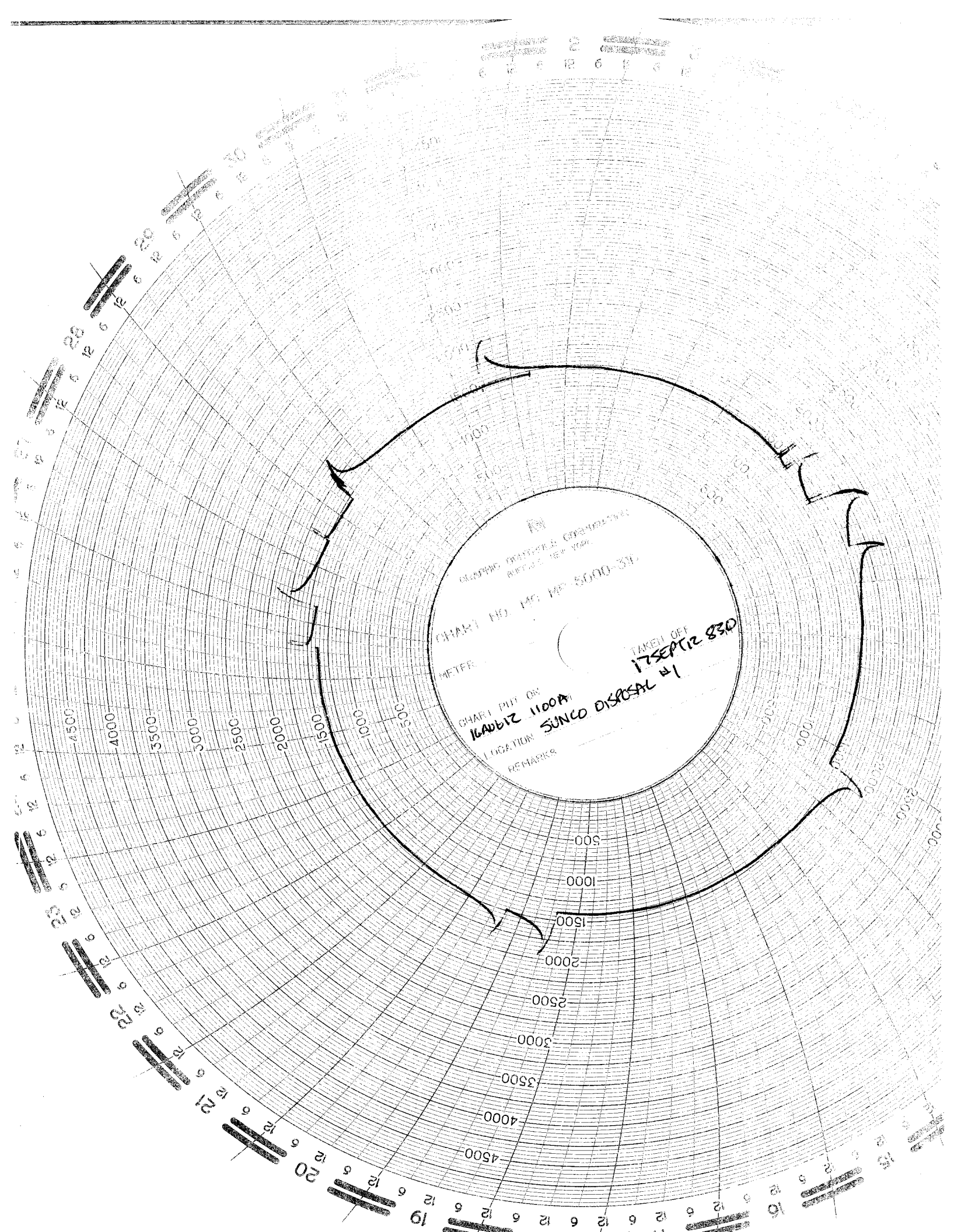
CHART NO. 101, 20 5000-300

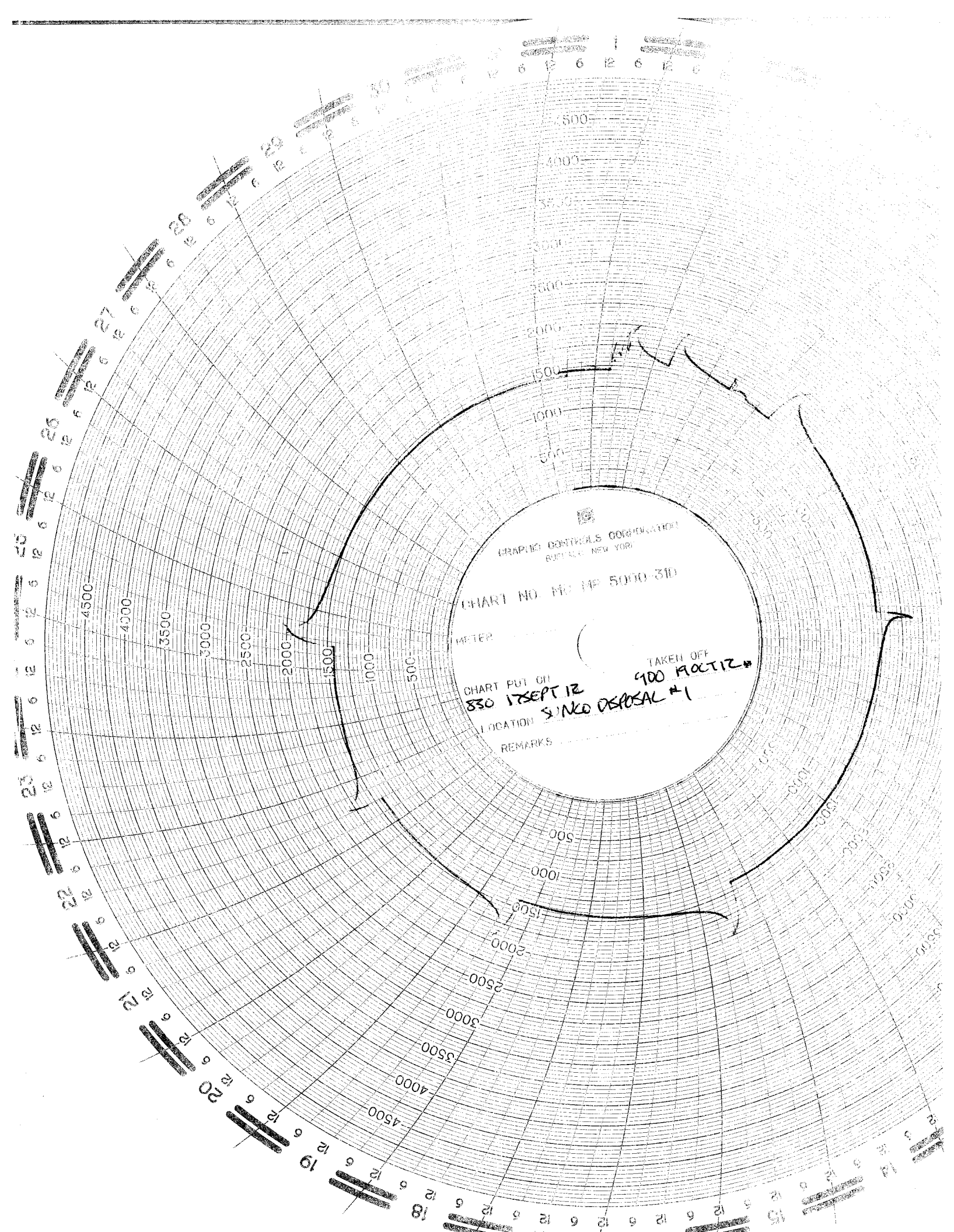
CHART PUT ON 16 JUL 41

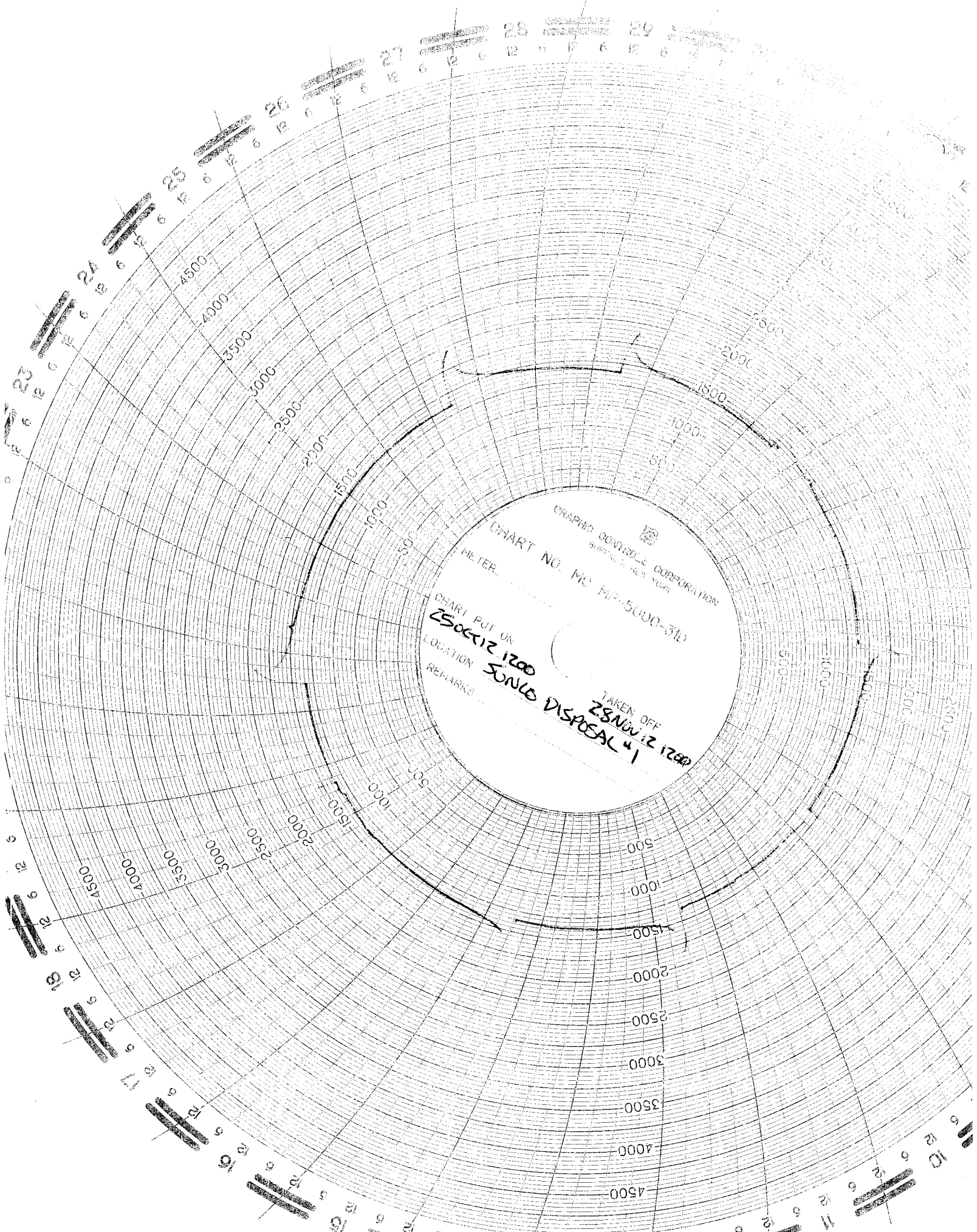
LOCATION 5000 0505AL

REMARKS 16 JUL 41

TAKEN OFF







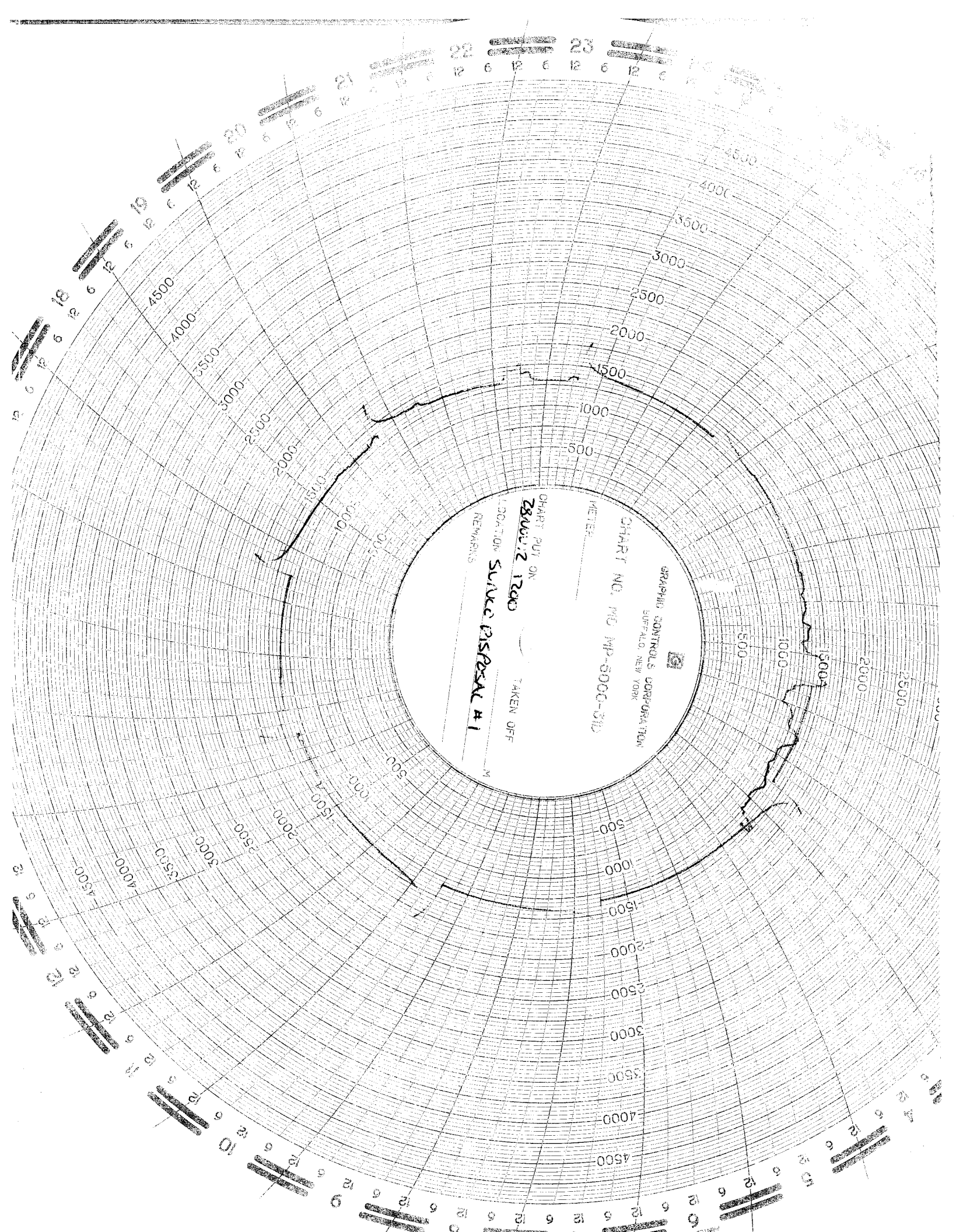
GRAPHIC CONTROLS CORPORATION
BUFFALO, NEW YORK

CHART NO. MC MP-5000-310
METER

CHART PUT ON
25 OCT 12 1200
LOCATION

REMARKS

TAKEN OFF
28 NOV 12 1200
SUNLO DISPOSAL #1





NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC NM 87410
(505) 334-6178 FAX: (505) 334-6170
[http://emnr.state.nm.us/ocd/District III/district.htm](http://emnr.state.nm.us/ocd/District%20III/district.htm)

RCVD AUG 14'12
OIL CONS. DIV.
DIST. 3

BRADENHEAD TEST REPORT

(submit 1 copy to above address)

Date of Test 8-14-12 Operator Aguilera API #30-0 45 28653
Property Name Sunco Dis. Well No. 1 Location: Unit Section 2 Township 29 Range 12
Well Status (Shut-In or Producing) Initial PSI: Tubing 1500 Intermediate N/A Casing 300 Bradenhead 0

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

Testing	PRESSURE			INTERM	
	BH	Bradenhead Int	Csg	Int	Csg
TIME	0		300		
5 min	0		300		
10 min	0		300		
15 min	0		300		
20 min					
25 min					
30 min					

FLOW CHARACTERISTICS	
BRADENHEAD	INTERMEDIATE
Steady Flow	
Surges	
Down to Nothing	
Nothing	
Gas	
Gas & Water	
Water	

If bradenhead flowed water, check all of the descriptions that apply below:

CLEAR FRESH SALTY SULFUR BLACK

5 MINUTE SHUT-IN PRESSURE

BRADENHEAD 0

INTERMEDIATE N/A

REMARKS:

Vacume on BH just 15 seconds

By [Signature]
(Position)

Witness

[Signature]

E-mail address

Daily Log Sheet Jan 2013

- Jan 2 Pump over by 200 gpa, clean Around pump house
- Jan 3 Take A Truck Load of water, Continue work Around pump house, Change 4 Suction Side VALVES On AJAX Pump. (Pull manifold, Pull VALVES, Fix VALVES Reinstall VALVES, Put manifold together.)
- Jan 4 Pump water For 10 hours to empty settle Tanks (change filters) And check well head Pressure. Take 200 bbls water
- Jan 5 Check on water intake. Unload 580 bbls of water. Walk Around Facility Picking up trash!
- Jan 6 Unload Another 640 Bbls water including 300 bbls class 1 Fill settle Tanks. Trash Detail.
- Jan 7 Put 10 bbls Down hole To check pressure on well. Clean Pump house and Office.
- Jan 10 Inject 1347 bbls to Drain settle Tanks & check well head pressure. (change filters)
- Jan 11 Pull EVAP. pond of rain water. Put into settle tank. Clean Office. Take Trucks, 646 bbls water. Put settle Tanks At 12'. (Landfarm test, water test.)
- Jan 12 Pull weeds Around Pump house Area. Bag weeds. Take 2 Trucks (1600) bbls water. Clean Secondary Pump room.
- Jan 13 Pull Filters in S Pump Room. Clean pump. Clean Office. Clean Filter pots measure sign 4 loads

Jan 16 morning report, Clean OFFICE, WALK Around, Run pump 2 1/2 hours
150 bbls CLASS 1 WATER. Out House Pumped Clean.

Jan 17: Morning Reports, Start Pump. Inj. 1400 bbls. Take in 640 bbls
Produced WATER. 40 bbls CLASS 1. Sma Lady taking pictures.
Climb Frac Tanks to see what is inside them.

Jan 18 Morning Reports, Paper work, Clean OFFICE Unload 2 Water
Trucks.

Jan 19 morning Reports. WALK Around. Check well head pressure.
Check TANK levels. Wire push Second pump house.
VAC OUT Filter pots, Wire push Filter pots.

JAN 20 morning Reports. Check well head Pressure. Check Heaters
in well head + Pump house. Sweep office, WALK Around.
Transfer water From Tank by Pond to settle TANKS.
Plow Land Fill. Pump WATER for two hours, Change
Filters, Two loads of WATER.

JAN 23 morning reports, WALK Around, Check well head pressure,
check heat Tape, Heaters (pump room, well head,) UNLOAD
1 Load production WATER, 2 Loads CLASS 1 WATER.

Jan 24 morning reports, well head pressure, WALK Around, Wire Push
Pipe And Lines in Second Pump house. SURVACORS
Came in ~~to~~ And marked gassines, UNLOAD Truck.

Jan 25 morning reports, WALK Around, Check well head pressure
Check heaters in well head And pump room. Pump 1050 bbls.

Jan 26 morning Reports, Check Heaters in pump room And well head.
Clean OFFICE, WALK Around, TAKE 2 Loads Produced WATER

JAN 27 WALK Around, morning reports, Check heaters in well head
And pump room, Check well head pressure UNLOAD 1 Truck (80 bbls)

Jan 30 Morning Reports, WALK Around well head pressure
Check Heaters in pump room and Well head, Sweep office,
Run pump empty TANKS from 9' to 4'.

Jan 31 morning reports, Check well head pressure, Check Heaters
in pump room And well head. WALK Around Sweep Office
Plow Land Farm

Feb 1 Morning Reports, WALK Around, Check wellhead pressure
Check Heaters in pump house And well Head. Clean office
Unload 34 Loads of water 43 bbls of Non exempt.

Feb 2 WALK Around, Morning Reports, Check wellhead pressure
Check Heaters in pump house And wellhead. UNLOAD 3 Loads
of water

Feb 3 morning Reports. WALK Around. Check well head pressure
check Heaters in Pomphouse & Wellhead

Feb 6 morning Report, WALK Around, Check well head pressure
Check Heaters in Well Head And pump house. Change
Light Bulb in pump room. Run pump. 191 bbls in. 2 Filter changes
Unload 3 truck fulls of water.

Feb 7 morning Report, WALK Around, Check wellhead pressure
check Heaters in wellhead And Pump room. Clean office.

Feb 8 Morning Reports, WALK Around, Check wellhead pressure
Check heaters in pump house And in Wellhead.

Super Clean office. Scrounge Fittings Go throw buildings

Feb 9 Mornig Reports, WALK Around Check well Head pressure.
Check Heaters in Wellhead And pump house TAKE 2 Loads
of water.

(SPCC) ~~Center Point~~ plan 50 CFR 112 (Out/Rec
(EPA.)

Storm Water Pollution Prevention Plan
(SWPPP)

Need

827
HOD
of ~~the~~
Michigan

Don Eichen

Head Engineer

- Feb 10 Morning Reports. Check wellhead pressure.
check Heaters in wellhead And pump house. TAKE
2 Loads of water. Inject 523 bbls of water
- Feb 13 morning Reports, Check well head Pressure.
Check heaters in wellhead And pumphouse
~~Feb~~ Unload 4 loads of produced water. 2 Loads of
Non Exempt water.
- Feb 14 morning Reports, Check wellhead pressure^s,
Check heaters in pump Room + Wellhead, WALK Around
Unload Two Trucks. Inject. 848 bbls of water.
- Feb 15 morning Reports, Check wellhead pressure. Check heaters
in pump Room. And in wellhead. WALK Around. Plow
Land farm
- Feb 16 Morning Reports, WALK Around, Check wellhead pressure
Check heaters in pump house And wellhead. Fix personal sign
Sign. Unload 2 Trucks.
- Feb 17 morning Reports. WALK Around, Check Wellhead pressure
Check heaters in wellhead & pump house. Pump 508 bbs Down
Hole.
- Feb 20 Check Heaters in pumphouse And wellhead Check wellhead
Pressure. Morning Reports. WALK Around
- Feb 21 morning Reports, Check wellhead pressure. Check Heaters
in pump House And in wellhead. WALK Around.
- Feb 22 Morning Reports. Check wellhead pressure. Check heaters
In wellhead And Pumphouse. TAKE 4 loads of water

- Feb 23 Morning Reports. Check wellhead pressure. Check heaters in wellhead And pump house. WALK Around Unload 1 truck.
- Feb 24 Morning Reports. WALK Around. Check wellhead pressure. Check heaters in Wellhead And pump house.
- Feb 27 mornig Reports. WALK Around. Check wellhead pressure. Check heaters in Wellhead And Pump room. CLEAN OFFICE.
- Feb 28 mornig Reports. Wellhead And pump house heaters. Check wellhead pressure WALK Around.
- Feb 29 Morning Reports. Check well head pressure. Check heaters in Wellhead And Pump house. WALK Around Plow Land Farm.
- March 1 morning Reports. check wellhead pressure. Check heaters in pump house And wellhead WALK Around.
- March 2 Morning Reports. Check wellhead pressure. Check heaters in well head And pump house. WALK Around.
- March 5 Morning Reports, WALK Around, check well head pressure. Check wellhead heater And pump house heater. UNLOAD OF produced water.
- March 6 Morning Reports, WALK Around. Check wellhead pressure. Wellhead heater And pump house heater. Interplant Transfer.
- March 7 morning Reports, WALK Around, Check wellhead pressure. Check heaters in Pump house And well head.
- March 8 Morning Reports, WALK Around. Check well head pressure. Check heaters in well head And pump house. UNLOAD 5 LOADS.

- MARCH 9 Morning Reports, WALK Around Check Wellhead pressure
Check heaters in pumphouse and in well head
- MARCH 12 Morning Reports, WALK Around, check wellhead pressure
check heaters in pumphouse And in wellhead. UNload 14
Loads. Pump 541 bbls.
- MARCH 13 Reports WALK around check wellhead pressure.
Heaters in well head and pumphouse.
- MARCH 14 Morning Reports. WALK Around. Check wellhead pressure
Heaters in wellhead And pump Room
- MARCH 15 MORNING REPORTS, WALK AROUND, WELLHEAD PRESSURE & HEATERS,
PUMP ROOM & HEATER & HEAT LIGHT, CHECK POND LINER & PIPES PUMP
START PUMPING 9 FT, PUMP 11 FT FROM POND TO FRAC TANK POND
WATER
- MARCH 16 MORNING REPORTS, WALK AROUND, HEATERS, WELL HEAD PRESSURE,
CHECK POND, PUMP POND WATER, PULL FILTER PIT & TOTES
- MARCH 17 MORNING REPORTS, WALK AROUND, HEATERS, WIA PRESSURE
POND GOT SNOW, PUMP WATER DOWN HOLE
- MARCH 20 morning Reports. WALK Around. Check wellhead pressure.
Check heaters in pump room And well head. Drain OFF GAS
Line Fix Fence near Entrance. Pick up weeds by Gate.
UNload 5 Loads.
- MARCH 21 morning Report, WALK Around, Check wellhead pressure
Check heaters in pump house And wellhead inj. 1041 bbls
- MARCH 22 morning Reports, WALK Around. Check wellhead pressure.
Check heaters in Pump Room And wellhead.
inj. 424 Bbls. TAKE 1069 Bbls OF production water.

- March 23. morning Reports. WALK Around. Check well head pressure 1162.
check heaters in pump house. And wellhead. Pump ~~186~~
~~March 24~~ Unload 1050 bbls.
- March 26 morning Reports, WALK Around, Check heaters in pump house
And Well head. check wellhead pressure. Unload 640 bbls.
- March 27. morning Reports. WALK Around. Wellhead pressure. Heaters
in wellhead and pump house. Pump down Tanks.
Pumpout pond
- March 28 morning Reports, WALK Around, Check Wellhead pressure.
Check heaters in pump house and wellhead.
- March 29 morning Reports. WALK Around. Check well head
Pressure. Check Heaters in wellhead And
pump house. inj 902 bbls.
- March 30 Morning Reports. WALK Around Check Well head
pressure. Check Heaters.
- April 2. morning Reports. WALK Around, Check well head pressure.
Heaters in wellhead and pump house. UNLOAD two Flint loads
one Riley load TRASH pickup.
- April 3 Check wellhead pressure. Morning Reports. Check
Heaters WALK Around
- April 4 morning Reports WALK Around, Check well head pressure.
Check heaters in pump house. And Wellhead. inj 746 BBLs
- April 5th morning Report, WALK Around, Check wellhead pressure
check heaters. Unload 720 bbls.
- April 6th morning Reports, WALK Around, Check wellhead pressure
check heaters.
- APR 9 MORNING REPORTS, WALK AROUND, WELLHEAD, PUMPHOUSE

April 10 Morning Reports, Check wellhead. Check pond. Spray weeds.
 Unload Trucks.

April 11 Morning Reports, WALK Around, Check well head pressure.
 Check heaters in wellhead And pumphouse. Spray weeds. inject water

April 12 Morning Reports, WALK Around, Check wellhead pressure.
 Check pond Liners. Spray Weeds.

Apr 13 Morning Reports WALK Around check wellhead pressure.
 Pump water Down hole

Apr 16 Morning Reports WALK Around Check wellhead pressure.

Apr 17 Morning Reports, WALK Around check wellhead pressure
 Spray weeds. inject water

Apr 18 Morning Reports. WALK Around, Check wellhead pressure.
 ing. Water Spray Weeds. Take water

Apr 19 Morning Reports. WALK Around, Check wellhead pressure.

Apr 20 Morning Reports, WALK Around, Check wellhead pressure.
 Spray Weeds. ~~050~~ pump water.

Apr 23 Morning Reports WALK Around check well head pressure.
 Spray Weeds.

Apr 24 mornig Reports, WALK Around, Check well head pressore.
 SpRAY weeds Unload Trucks

Apr 25 mornig Reports. WALK Around, Check wellhead pressure.
 Spray Weeds Unload Trucks pump water down.

Apr 26 Morning Reports WALK Around, Check wellhead.

APR 30 MORNING REPORTS, START PUMP, WALK AROUND
 CHANGE FILTERS, STRAIGHTEN OFFICE, STRAIGHTEN AMP ROOM

1 MAY CHANGE FILTERS, CHANGE FILTERS, REPORTS, POND INSPECTION
 CHANGE FILTERS, TRANSFER FLUID

MAY 2 TANK PUMP & WELLHEAD INSPECTION, POND INSPECTION
CHANGE FILTERS, PUMP WATER DOWN, CLEAN SOME
IN PUMPHOUSE & OFFICE, THEIR TANKS

MAY 3 CHECK PRESSURES, LEVELS, & START PUMP, POND INSPECTION
GATHER TRASH, REPORTS, FIX LIGHTS IN PUMPHOUSE,
CHANGE BULD ON TOP OF PUMP HOUSE,

MAY 4 PUMP WATER, REPORTS, WALK AROUND

MAY 7 CHECK LEVELS & PRESURES, TAKE WATER, RESCUE FOX CAUGHT IN NET

MAY 8 CHECK LEVELS, PRESSURES, START PUMPING, POND INSPECTION
REPORTS, CHANGE FILTERS

MAY 9 REPORTS, CHECK POND, PRESSURES, LEVELS, CHANGE
FILTERS

MAY 10 WELL HEAD CHART, CHANGE FILTERS, REPORTS, PUMP WATER

MAY 11 PUMP WATER, WORK ON ROADS, REPORTS, CHANGE FILTERS

MAY 14 REPORTS, TRACTOR WORK

MAY 15 REPORTS, START PUMP, TRACTOR WORK

MAY 16 REPORTS, START PUMP, TRACTOR WORK
PLOW LANDFARM

MAY 17 REPORTS, START PUMP, TRACTOR WORK
CHANGE FILTERS

MAY 18 REPORTS, START PUMP

MAY 21 REPORTS, PUMP WATER, CLEAN UP INSULATION
CHANGE FILTERS

MAY 22 REPORTS, PUMP WATER

MAY 23 REPORTS, START PUMP CHANGE FILTERS

MAY 24 REPORTS, PUMP TANKS DOWN, FIX FLOW METER

MAY 25 REPORTS, WALK AROUND, CLEAN UP PUMPHOUSE

MAY 28 REPORTS, WALK AROUND, CLEAN

MAY 29 REPORTS, WALKAROUND

MAY 30 REPORTS, WALKAROUND, START PLOWING

MAY 31 REPORTS, WALKAROUND.

JUNE 1 REPORTS, END OF MONTH REPORTS, WALKAROUND
FINISH PLOWING

JUNE 4 REPORTS, WALK AROUND

JUNE 5 REPORTS, THROW TRASH, WALK AROUND

JUNE 6 REPORTS, PUMP WATER, CHOP WEEDS, WALK AROUND

JUNE 7 REPORTS, WALK AROUND

JUNE 8 REPORTS, WALK AROUND, TRANSFER WATER, PULL PIT

JUNE 11 REPORTS, WALK AROUND

JUNE 12 REPORTS, WALK AROUND, PUMP WATER

JUNE 13 REPORTS, WALK AROUND, CLEAN

JUNE 14 REPORTS, WALK AROUND, LANDFARM SAMPLES, PUMP WATER

JUNE 15 REPORTS, WALK AROUND, PLOW LANDFARM

JUNE 18 REPORTS, WALK AROUND, PUMP WATER

JUNE 19 REPORTS, WALK AROUND, CLEAN OFFICE

JUNE 20 REPORTS, WALK AROUND, PUMP WATER, CHANGE FILTERS

JUNE 21 REPORTS, WALK AROUND,

JUNE 22 REPORTS, WALK AROUND, PUMP WATER

JUNE 25 REPORTS, WALK AROUND, PUMP WATER

JUNE 26 REPORTS, WALK AROUND, PUMP WATER

JUNE 27 REPORTS, WALK AROUND

JUNE 28 REPORTS, WALKAROUND, PLOW

JUNE 29 REPORTS, WALK AROUND, END OF MONTH REPORTS
PUMP WATER

JULY 2 REPORTS, WALK AROUND

JULY 3	REPORTS, WALK AROUND, PUMP WATER
JULY 4	REPORTS, WALK AROUND
JULY 5	REPORTS, WALK AROUND, CHOP WEEDS
JULY 6	REPORTS, WALK AROUND, CHOP WEEDS
JULY 9	REPORTS, WALK AROUND, CHOP WEEDS, PUMP DOWNHOLE
JULY	PUMP RAIN WATER
JULY 10	REPORTS, WALK AROUND, PULL WEEDS, PUMP RAINWATER
JULY 11	REPORTS, WALK AROUND
JULY 12	REPORTS, WALK AROUND, PUMP TANKS DOWN CHANGE FILTERS
JULY 13	REPORTS, WALK AROUND
JULY 14	REPORTS, WALK AROUND, PUMP WATER
JULY 16	REPORTS, WALK AROUND, PUMP WATER
JULY 17	REPORTS, WALK AROUND,
JULY 18	REPORTS WALK AROUND, CLEAN OFFICE
JULY 19	REPORTS, WALK AROUND, GREASE WELL-HEAD, PUMP WATER, CHANGE FILTERS
JULY 20	REPORTS, WALK AROUND, PULL WEEDS
JULY 23	REPORTS, WALK AROUND, PULL WEEDS
JULY 24	REPORTS, WALK AROUND, PUMP WATER PULL WEEDS
JULY 25	REPORTS, WALK AROUND
JULY 26	REPORTS, WALK AROUND, PULL WEEDS
JULY 27	REPORTS, WALK AROUND, PULL WEEDS
JULY 30	REPORTS, WALK AROUND, PUMP, PULL WEEDS
JULY 31	REPORTS, WALK AROUND, PUMP, PULL WEEDS
JULY AUG 1	REPORTS, WALK AROUND, PULL WEEDS
JULY AUG 2	REPORTS, WALK AROUND, PUMP, PULL WEEDS

AUG 3 REPORTS, WALK AROUND, PULL WEEDS, PUMP WATER
AUG 6 REPORTS, WALK AROUND
AUG 7 REPORTS, WALK AROUND
AUG 8 REPORTS, WALK AROUND, SAMPLE WATER FOR ENVIROTECH
AUG 9 REPORTS, WALK AROUND, PULL FILTER PIT, PUMP
AUG 10 REPORTS, WALK AROUND
AUG 13 REPORTS, WALK AROUND
AUG 14 REPORTS, WALK AROUND
AUG 15 REPORTS, WALK AROUND
AUG 16 REPORTS, WALK AROUND, PUMP WATER
AUG 17 REPORTS, WALK AROUND
AUG 20 REPORTS, WALK AROUND
AUG 21 REPORTS, WALK AROUND
AUG 22 REPORTS, WALK AROUND, CHANGE FILTERS (TWICE)
AUG 23 REPORTS, WALK AROUND, PUMP
AUG 24 REPORTS, WALK AROUND, PUMP
27 REPORTS, WALK AROUND
28 REPORTS, WALK AROUND, PUMP, CHANGE FILTERS
29 REPORTS, WALK AROUND
30 REPORTS, WALK AROUND
31 REPORTS, WALK AROUND
SEPT 3 REPORTS, WALK AROUND, PUMP
4 REPORTS, WALK AROUND, PUMP
5 REPORTS, WALK AROUND
6 REPORTS, WALK AROUND
7 REPORTS, WALK AROUND

SEPT	10	REPORTS, WALK-AROUND, PUMP,
	11	REPORTS, WALK-AROUND, PUMP, CHANGE FILTERS
	12	REPORTS, WALK-AROUND
	13	REPORTS, WALK-AROUND, PUMP
	14	REPORTS, WALK-AROUND
	17	REPORTS, WALK-AROUND
	18	REPORTS, WALK-AROUND, PUMP
	19	REPORTS, WALK-AROUND, PUMP
	20	REPORTS, WALK-AROUND, PULL WEEDS
	21	REPORTS, WALK-AROUND, PUMP, PULL WEEDS
	24	REPORTS, WALK-AROUND, PULL WEEDS
	25	REPORTS, WALK-AROUND, PUMP, PULL WEEDS, PUMP RAIN
	26	REPORTS, WALK-AROUND, PULL WEEDS, PUMP RAIN
	27	REPORTS, WALK-AROUND, PULL WEEDS, PUMP RAIN
	28	REPORTS, WALK-AROUND, PULL WEEDS, PUMP RAIN
OCT	1	REPORTS, WALK-AROUND, PUMP, OFFICE FOR JEFF
	2	REPORTS, WALK-AROUND, OFFICE FOR JEFF
	3	REPORTS, WALK-AROUND, OFFICE FOR JEFF
	4	REPORTS, WALK-AROUND, PULL WEEDS
	5	REPORTS, WALK-AROUND, PUMP, PLOW, FIX TRACTOR
	8	REPORTS, WALK-AROUND, FINISH PLOWING, PUMP
	9	REPORTS, WALK-AROUND
	10	REPORTS, WALK-AROUND
	11	REPORTS, WALK-AROUND, PUMP WATER
	12	REPORTS, WALK-AROUND
	15	REPORTS, WALK-AROUND
	16	REPORTS, WALK-AROUND

OCT 17 REPORTS, WALK-AROUND, PULL WEEDS
18 REPORTS, WALK-AROUND, PULL WEEDS, PUMP WATER
19 REPORTS, WALK-AROUND
22 REPORTS, WALK-AROUND
23 REPORTS, WALK-AROUND
24 REPORTS, WALK-AROUND
25 REPORTS, WALK-AROUND, HEAT TRACE
26 REPORTS, WALK-AROUND, HEAT TRACE
29 REPORTS, WALK-AROUND, HEAT TRACE
30 REPORTS, WALK-AROUND, HEAT TRACE
31 REPORTS, WALK-AROUND, HEAT TRACE
NOV 1 REPORTS, WALK-AROUND
2 REPORTS, WALK-AROUND
5 REPORTS, WALK-AROUND, PUMP
6 REPORTS, WALK-AROUND
7 REPORTS, WALK-AROUND
8 REPORTS, WALK-AROUND, PUMP
9 REPORTS, WALK-AROUND
12 REPORTS, WALK-AROUND, RAIN WATER
13 REPORTS, WALK-AROUND, RAIN WATER
14 REPORTS, WALK-AROUND, PUMP, RAIN WATER
15 REPORTS, WALK-AROUND
16 REPORTS, WALK-AROUND
19 REPORTS, WALK-AROUND, RAIN WATER
20 REPORTS, WALK-AROUND, PUMP
21 REPORTS, WALK-AROUND, RAIN WATER
22 REPORTS, WALK-AROUND

NOV 23 REPORTS, WALK-AROUND, PUMP

26 REPORTS, WALK-AROUND, PUMP

27 REPORTS, WALK-AROUND, RAIN WATER

28 REPORTS, WALK-AROUND

29 REPORTS, WALK-AROUND, RAIN WATER

30 REPORTS, WALK-AROUND, PUMP

DEC 3 REPORTS, WALK-AROUND, RAIN WATER

4 REPORTS, WALK-AROUND, RAIN WATER

5 REPORTS, WALK-AROUND

6 REPORTS, WALK-AROUND, RAIN WATER

7 REPORTS, WALK-AROUND, RAIN WATER, PUMP

10 REPORTS, WALK-AROUND

11 REPORTS, WALK-AROUND, PUMP

12 REPORTS, WALK-AROUND, ~~PUMP~~

13 REPORTS, WALK-AROUND

14 REPORTS, WALK-AROUND, PUMP

17 REPORTS, WALK-AROUND, PUMP WATER

18 REPORTS, WALK-AROUND

19 REPORTS, WALK-AROUND

20 REPORTS, WALK-AROUND

21 REPORTS, WALK-AROUND, PUMP WATER

24 REPORTS, WALK-AROUND, PUMP WATER

25 REPORTS, WALK-AROUND

26 REPORTS, WALK-AROUND

27 REPORTS, WALK-AROUND, WORK ON PUMP

28 REPORTS, WALK-AROUND, WORK ON PUMP, PUMP

29 REPORTS, WALK-AROUND

31 Reports, Walkaround

Agua Moss Morning Report

Month January

Year 2012

431444

Day	Pump Press	Well Head Press	Charge Press	Pit #4	Tank # 1 or#	Tank # 19 or	Flow Meter	Flow meter	Daily Total	Total Fluid	Flow Back &	Flow Back &	Flow Back &
							RATE	100%	100%				
1	-	1500	-	-	15'	-	-	1569	-	-	-	-	-
2	-	1500	-	-	15'	-	-	1569	-	-	-	-	-
3	-	1600	-	-	15'	-	-	1569	-	-	-	-	-
4	-	1750	-	-	5'	-	-	2508	936	86	-	-	-
5	-	1550	-	-	12'	-	-	2508	-	200	-	-	-
6	-	1550	-	-	19'	-	-	2508	10	380	-	-	-
7	-	1500	-	-	19'	-	-	2518	-	640	-	-	-
8	-	1500	-	-	19'	-	-	2518	-	-	-	-	-
9	-	1500	-	-	19'	-	-	2518	-	-	-	-	-
10	-	1750	-	-	4 1/2'	-	-	2518	-	-	-	-	-
11	-	1550	-	-	4 1/2'	-	-	3865	1347	240	-	-	-
12	-	1550	-	-	12'	-	-	3865	-	-	-	-	-
13	-	1550	-	-	13'	-	-	3865	-	640	-	-	-
14	-	1550	-	-	18'	-	-	3865	-	160	-	-	-
15	-	1525	-	-	18'	-	-	3865	-	300	-	-	-
16	-	1525	-	-	18'	-	-	3865	-	0	-	-	-
17	-	1525	-	-	14'	-	-	4173	308	150	-	-	-
18	-	1750	-	-	5'	-	-	5573	1400	680	-	-	-
19	-	1520	-	-	7'	-	-	5573	1400	160	-	-	-
20	-	1500	-	-	8'	-	-	5573	1400	120	-	-	-
21	-	1600	-	-	7'	-	-	5751	178	160	-	-	-
22	-	1500	-	-	7'	-	-	5751	-	-	-	-	-
23	-	1500	-	-	7'	-	-	5751	-	-	-	-	-
24	-	1500	-	-	12'	-	-	5751	-	380	-	-	-
25	-	1500	-	-	12'	-	-	5751	-	80	-	-	-
26	-	1650	-	-	7'	-	-	6801	1050	650	-	-	-
27	-	1500	-	-	9'	-	-	6801	-	160	-	-	-
28	-	1560	-	-	9'	-	-	6801	-	80	-	-	-
29	-	1500	-	-	9'	-	-	6801	-	-	-	-	-
30	-	1500	-	-	9'	-	-	6801	-	-	-	-	-
31	-	1550	-	-	4 1/2'	-	-	7225	484	-	-	-	-

5220/1020

Agua Moss Morning Report

Month Feb

Year 2012

431244

Day	Pump Press	Well Head Press	Charge Press	Pit #4	Tank # 1 or#	Tank # 19 or #20	Flow Meter RATE	Flow meter Total	Daily Total	Total Fluid	Flow Back & 2004 Meter	Fresh Water
1	-	1500	-	-	4 1/2'	-	-	7225	-	-	-	-
2	-	1500	-	-	7 1/2'	-	-	7225	-	240	45	-
3	-	1500	-	-	12'	-	-	7225	-	450	-	-
4	-	1550	-	-	10'	-	-	8222	997	720	375	-
5	-	1550	-	-	10'	-	-	8222	-	-	-	-
6	-	1550	-	-	10'	-	-	8222	-	-	-	-
7	-	1500	-	-	10 1/2'	-	-	8413	191	240	-	-
8	-	1500	-	-	10 1/2'	-	-	8413	-	-	-	-
9	-	1500	-	-	10 1/2'	-	-	8413	-	-	-	-
10	-	1500	-	-	12 1/2'	-	-	8413	-	160	-	-
11	-	1500	-	-	9 1/2'	-	-	8936	523	300	-	-
12	-	1500	-	-	9 1/2'	-	-	8936	-	-	-	-
13	-	1500	-	-	9 1/2'	-	-	8936	-	-	-	-
14	-	1500	-	-	14 1/2'	-	-	8936	-	400	160	-
15	-	1550	-	-	7'	-	-	9784	848	160	-	-
16	-	1500	-	-	7'	-	-	9784	-	-	-	-
17	-	1500	-	-	12'	-	-	9784	-	410	-	-
18	-	1500	-	-	6 1/2'	-	-	10292	508	-	-	-
19	-	1500	-	-	6 1/2'	-	-	10292	-	-	-	-
20	-	1500	-	-	6 1/2'	-	-	10292	-	-	-	-
21	-	1500	-	-	6 1/2'	-	-	10292	-	-	-	-
22	-	1500	-	-	6 1/2'	-	-	10292	-	-	-	-
23	-	1500	-	-	13 1/2'	-	-	10292	-	600	-	-
24	-	1525	-	-	6'	-	-	11000	768	80	-	-
25	-	1500	-	-	7'	-	-	11000	-	-	-	-
26	-	1500	-	-	7'	-	-	11000	-	-	-	-
27	-	1500	-	-	7'	-	-	11000	-	-	-	-
28	-	1500	-	-	8'	-	-	11000	-	90	90	-
29	-	1500	-	-	8'	-	-	11000	-	-	-	-
30	-	1500	-	-	8'	-	-	11000	-	-	-	-

580 nom

3160 nom

43144

Agua Moss Morning Report

Month March Year 2012

Day	Pump Press	Well Head Press	Charge Press	Pit #4	Tank # 1 or # 2	Tank # 19 or # 20	Flow Meter RATE	Flow meter Total	Daily Total	Total Fluid	Flow Back & 200' Well	Fresh Water
1	-	1500	-	-	13 1/2'	-	11	11000	-	320	-	-
2	-	1500	-	-	13'	-	-	11000	-	-	-	-
3	-	1500	-	-	13'	-	-	11000	-	40	-	-
4	-	1500	-	-	13'	-	-	11000	-	-	-	-
5	-	1500	-	-	13'	-	-	11000	-	-	-	-
6	-	1500	-	-	6'	-	-	11647	647	80	-	-
7	-	1500	-	-	6'	-	-	11647	-	-	-	-
8	-	1500	-	-	6'	-	-	11647	-	-	-	-
9	-	1500	-	-	11'	-	-	11647	-	400	-	-
10	-	1500	-	-	11'	-	-	11647	-	-	-	-
11	-	1500	-	-	11'	-	-	11647	-	-	-	-
12	-	1500	-	-	11'	-	-	11647	-	-	-	-
13	-	1500	-	-	15'	-	-	12188	541	1090	-	-
14	-	1500	-	-	15 1/2'	-	-	12188	-	-	-	-
15	-	1550	-	-	17'	-	-	12279	91	160	-	-
16	-	1675	-	-	10'	-	-	12884	605	-	-	-
17	-	1550	-	-	16 1/2'	-	-	12884	-	400	-	-
18	-	1500	-	-	10 1/2'	-	-	13411	527	-	-	-
19	-	1500	-	-	14 1/2'	-	-	13411	-	400	-	-
20	-	1500	-	-	6 1/2'	-	-	14412	1041	314	-	-
21	-	1550	-	-	14 1/2'	-	-	14876	424	1069	-	-
22	-	1550	-	-	13 1/2'	-	-	16038	1162	1050	-	-
23	-	1550	-	-	13 1/2'	-	-	16038	-	-	-	-
24	-	1500	-	-	13 1/2'	-	-	16038	-	-	-	-
25	-	1650	-	-	13'	-	-	16818	780	640	-	-
26	-	1650	-	-	7'	-	-	17437	619	80	-	-
27	-	1500	-	-	16'	-	-	17437	-	800	-	-
28	-	1650	-	-	5 1/2'	-	-	18335	962	-	-	-
29	-	1500	-	-	7'	-	-	18339	-	-	-	-
30	-	1500	-	-	7'	-	-	18339	-	80	-	-

Totals: 34818 1550

431444

Agua Moss Morning Report

Month April

Year 2012

Day	Pump Press	Well Head Press	Charge Press	Pit #4	Tank # 1 or # 2	Tank # 19 or # 20	Flow Meter #47E	Flow meter 767A	Daily Total 767A	Total Fluid	Flow Back & 2004-444	Fresh Water
1	-	1500	-	-	7	-	18339	18339	-	-	-	-
2	-	1500	-	-	7	-	-	18339	-	-	-	-
3	-	1500	-	-	8 1/2	-	-	18339	-	70	-	-
4	-	1500	-	-	14	-	-	18339	-	480	-	-
5	-	1650	-	-	5 1/2	-	-	19085	746	-	-	-
6	-	1500	-	-	13	-	-	19085	-	720	-	-
7	-	1650	-	-	6 1/2	-	-	19753	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-
9	-	1650	-	-	6 1/2	-	-	19753	668	-	-	-
10	-	1560	-	-	9 1/2	-	-	19753	-	425	-	285
11	-	1500	-	-	17	-	-	19753	-	645	-	5
12	-	1650	-	-	11	-	-	20588	835	400	-	-
13	-	1500	-	-	11	-	-	20588	-	-	-	-
14	-	1650	-	-	11	-	-	21733	1145	1180	-	-
15	-	1550	-	-	11	-	-	21733	-	-	-	-
16	-	1500	-	-	11	-	-	21733	-	-	-	-
17	-	1500	-	-	11	-	-	21733	-	-	-	-
18	-	1650	-	-	9	-	-	22528	809	765	-	-
19	-	1500	-	-	11	-	-	22528	-	160	-	-
20	-	1500	-	-	18	-	-	22528	-	685	-	65
21	-	1650	-	-	7	-	-	23528	1016	-	-	-
22	-	1500	-	-	7	-	-	23528	-	-	-	-
23	-	1500	-	-	7	-	-	23528	-	-	-	-
24	-	1500	-	-	8 1/2	-	-	23528	-	260	-	-
25	-	1500	-	-	18 1/2	-	-	23528	-	755	-	-
26	-	1650	-	-	8	-	-	24575	767A	370	-	-
27	-	1650	-	-	13 1/2	-	-	24884	309	750	-	-
28	-	1500	-	-	14 1/2	-	-	24884	-	560	-	560
29	-	1500	-	-	16	-	-	24884	-	320	-	-
30	-	1850	-	-	18 1/2	-	-	26718	1834	-	560	-

ing 1047

CROUCH MESA

Agua Moss Morning Report

Month MAY Year 2012

Day	Pump Press	Well Head Press	Charge Press	Pit #4	Tank # 1 or # 2	Tank # 19 or # 20	Flow Meter RATE	Flow meter Total	Daily Total	Total Fluid Produced	Flow Back & 2004-404	TOTAL BARRELS	
1		1875			11'			27412	694	380	400	30	810
2		1900			12'			27952	540	320	400	0	7201
3		1850			13'			29406	1454	1230	240	0	1470
4		1950			14'			30300	894	238	240	0	4781
5													
6													
7		1800			9'			30546	246	80	400	0	480
8		1800			13 1/2'			31015	469	0	320	0	520
9		1850			13'			31541	526	260	80	0	340
10		1900			12 1/2'			32227	686	0	0	0	0
11		2300			10'			35327	3100	0	0	3100	3100
12		2300			9.5'			37285	1958	0	0	2310	2310
13		2000			5'			38215	1430	0	0	980	980
14		1900			8'			38715	0	0	0	480	480
15		2050			11'			40146	1431	80	0	1760	1840
16		2100			10'			40146	2400	0	0	2330	2330
17		2100			10'			42228	2082	0	0	2010	2010
18		1900			10'			42228	1500	0	0	1540	1540
19													
20													
21		2150			13'			42228	840	0	0	1080	1080
22		2300			7 1/2'			0	1800	0	0	1360	1360
23		2250			7'			0	940	480	0	440	920
24		2075			4'			12	240	0	0	128	128
25		1975			4'			12	0	0	0	0	0
26													
27													
28		1800			4'			12	0	0	0	0	0
29		1800			5'			12	0	160	0	0	160
30		1800			5'			12	0	0	0	0	0
31		1800			6'			12	0	0	80	0	80

22996 T

3228 P

17608 N

37228 P

17608 N

22996 T

CROUCH MESA FACILITY

431444

Agua Moss Morning Report

JUNE Month

2012 Year

Day	Pump Press	Well Head Press	Charge Press	Plt #4	Tank # 1 or #2	Tank # 19 or #20	Flow Meter RATE	Flow meter Total	Daily Total	Total Fluid PRODUCED	Flow Back & OTHER	2004-2011 First	2004-2011 Second	TOTAL BARRELS
1		1800			6'		12	0	0	0	0	0	0	0
2		1700			6'		12	0	0	0	0	0	0	0
3		1875			5'		399	387	365	0	0	0	0	365
4		1750			5'		399	0	0	0	0	0	0	0
5		1700			8 1/2'		399	0	400	0	0	0	0	400
6														
7														
8														
9														
10														
11		1675			8 1/2'		399	0	0	0	0	0	0	0
12		1800			7 1/2'		747	348	300	0	0	0	0	300
13		1750			7 1/2'		747	0	0	0	0	0	0	0
14		1875			6'		1015	268	150	0	0	0	0	150
15		1725			12'		1015	0	450	0	0	0	0	450
16														
17														
18		2125			5'		1731	716	240	0	0	0	0	240
19		1750			16 1/2'		1731	0	450	0	0	0	0	450
20		2100			9'		2512	781	690	0	0	0	0	750
21		1750			9 1/2'		2512	8	80	0	0	0	0	80
22		2125			9'		3305	793	675	95	67	67	67	837
23														
24														
25		1900			9'		3719	414	450	0	0	0	0	450
26		2150			4 1/2'		4497	778	410	0	0	0	0	410
27		1850			5 1/2'		4497	0	20	0	0	0	0	20
28		1750			13'		4497	0	620	0	0	0	0	620
29		2000			4 1/2'		5151	654	20	0	0	0	0	20
30														

127 425C

Aqua Moss Morning Report

Year 2012

[illegible]

—

Year 2012

BARRELS

2100 2100

2830
2830
b6
b7C

3830 66
4495

CROCKER MESA FACILITY

Agua Moss Morning Report

Month SEPT Year 2012

Day

Pump Press

Well Head Press

Charge Press

PII #4

Tank # 1 or Tank # 18 or

Flow Meter

Flow Meter

Flow meter

Daily Total

Total Fluid

Flow Back & Other

2000 gal

5000 gal

10000 gal

20000 gal

1	1900	5'	12277	336	0	0	0	0	0
2	1700	6'	12482	205	120	0	0	0	120
3	1550	6'	12482	0	0	0	0	0	0
4	1500	8 1/2'	12482	0	200	0	0	0	200
5	1500	8 1/2'	12482	0	0	0	0	0	0
6	1500	8 1/2'	12482	0	0	0	0	0	0
7	1500	8 1/2'	12482	0	0	0	0	0	0
8									
9	1600	10'	12530	48	160	0	0	0	160
10	1725	6'	12848	318	0	0	0	70	70
11	1650	9'	12848	0	240	0	0	80	320
12	1850	8 1/2'	13181	333	0	0	0	270	270
13	1700	9'	13181	0	40	0	0	80	120
14									
15									
16	1500	12'	13181	0	240	0	0	0	240
17	1975	8'	13765	594	340	0	0	0	340
18	1800	4'	14098	333	80	0	0	0	80
19	1700	12'	14098	0	160	0	0	0	160
20	1950	6'	14660	562	80	0	0	0	80
21									
22									
23	1650	10'	14660	0	320	0	0	0	320
24	1800	7'	14842	182	0	0	0	1.5	1.5
25	1700	8 1/2'	14842	0	160	0	0	0	160
26	1600	9'	14842	0	0	0	0	35	35
27	1500	13'	14842	0	400	0	0	0	400
28									
29									
30									

1660 500

760 500

Agua Moss Morning Report

Month NOV.

Year 2017

[illegible]

Month DECEMBER Year 2012

Day	Pump Press	Well Head Press	Charge Press	Pl #4	Tank # 1 or Tank # 19 or	Flow Meter	Daily Total	Total Fluid Produced	Flow Back & over	2004-2005	2006-2007	2008-2009	2010-2011	2012-2013	2014-2015	2016-2017	2018-2019	2020-2021	2022-2023	2024-2025	2026-2027	2028-2029	2030-2031	2032-2033	2034-2035	2036-2037	2038-2039	2040-2041	2042-2043	2044-2045	2046-2047	2048-2049	2050-2051	2052-2053	2054-2055	2056-2057	2058-2059	2060-2061	2062-2063	2064-2065	2066-2067	2068-2069	2070-2071	2072-2073	2074-2075	2076-2077	2078-2079	2080-2081	2082-2083	2084-2085	2086-2087	2088-2089	2090-2091	2092-2093	2094-2095	2096-2097	2098-2099	2100-2101	2102-2103	2104-2105	2106-2107	2108-2109	2110-2111	2112-2113	2114-2115	2116-2117	2118-2119	2120-2121	2122-2123	2124-2125	2126-2127	2128-2129	2130-2131	2132-2133	2134-2135	2136-2137	2138-2139	2140-2141	2142-2143	2144-2145	2146-2147	2148-2149	2150-2151	2152-2153	2154-2155	2156-2157	2158-2159	2160-2161	2162-2163	2164-2165	2166-2167	2168-2169	2170-2171	2172-2173	2174-2175	2176-2177	2178-2179	2180-2181	2182-2183	2184-2185	2186-2187	2188-2189	2190-2191	2192-2193	2194-2195	2196-2197	2198-2199	2200-2201	2202-2203	2204-2205	2206-2207	2208-2209	2210-2211	2212-2213	2214-2215	2216-2217	2218-2219	2220-2221	2222-2223	2224-2225	2226-2227	2228-2229	2230-2231	2232-2233	2234-2235	2236-2237	2238-2239	2240-2241	2242-2243	2244-2245	2246-2247	2248-2249	2250-2251	2252-2253	2254-2255	2256-2257	2258-2259	2260-2261	2262-2263	2264-2265	2266-2267	2268-2269	2270-2271	2272-2273	2274-2275	2276-2277	2278-2279	2280-2281	2282-2283	2284-2285	2286-2287	2288-2289	2290-2291	2292-2293	2294-2295	2296-2297	2298-2299	2300-2301	2302-2303	2304-2305	2306-2307	2308-2309	2310-2311	2312-2313	2314-2315	2316-2317	2318-2319	2320-2321	2322-2323	2324-2325	2326-2327	2328-2329	2330-2331	2332-2333	2334-2335	2336-2337	2338-2339	2340-2341	2342-2343	2344-2345	2346-2347	2348-2349	2350-2351	2352-2353	2354-2355	2356-2357	2358-2359	2360-2361	2362-2363	2364-2365	2366-2367	2368-2369	2370-2371	2372-2373	2374-2375	2376-2377	2378-2379	2380-2381	2382-2383	2384-2385	2386-2387	2388-2389	2390-2391	2392-2393	2394-2395	2396-2397	2398-2399	2400-2401	2402-2403	2404-2405	2406-2407	2408-2409	2410-2411	2412-2413	2414-2415	2416-2417	2418-2419	2420-2421	2422-2423	2424-2425	2426-2427	2428-2429	2430-2431	2432-2433	2434-2435	2436-2437	2438-2439	2440-2441	2442-2443	2444-2445	2446-2447	2448-2449	2450-2451	2452-2453	2454-2455	2456-2457	2458-2459	2460-2461	2462-2463	2464-2465	2466-2467	2468-2469	2470-2471	2472-2473	2474-2475	2476-2477	2478-2479	2480-2481	2482-2483	2484-2485	2486-2487	2488-2489	2490-2491	2492-2493	2494-2495	2496-2497	2498-2499	2500-2501	2502-2503	2504-2505	2506-2507	2508-2509	2510-2511	2512-2513	2514-2515	2516-2517	2518-2519	2520-2521	2522-2523	2524-2525	2526-2527	2528-2529	2530-2531	2532-2533	2534-2535
-----	------------	-----------------	--------------	-------	--------------------------	------------	-------------	----------------------	------------------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------

Pond Inspection Report

Feb 13	Standing water because of Rain And snow. Plus morning Frost Add to it. Small Rips On South West side. Check LeAK pipes
Feb 14	ALittle Added Water From Light over night snow And rain.
Feb 15	morning Frost No new Rips or rips ^{Tears} Check LeAK pipes
Feb 16	No new Rips or Tears. Morning Frost. Check LeAK pipes
Feb 17	Morning Frost. No new Rips or Tears Check LeAK pipes
Feb 20	Snow over weekend. No new p Rips or Tears Check LeAK pipes
Feb 21	morning Frost. No Rips or tears that wornt there. Check LeAK pipes
Feb 22	Morning Frost, Check LeAK Pipes. No druppess in the liner.
Feb 23	Morning Frost, Check LeAK Pipes.
Feb 24	Morning Frost. Check LeAK pipes.
Feb 27	morning Frost, Check LeAK Pipes
Feb 28	Snow. NO Tears, Check LeAK Pipes
Feb 29	morning Frost. Check LeAK Pipes.
march 1	morning Frost. Check LeAK Pipes.
March 2	Snow Check LeAK pipes
march 3	morning Frost. Check LeAK pipes
march 6	Morning Frost Check LeAK pipes
march 7	No new Tears check LeAK pipes.
march 8	Snow, No New Tears. Check LeAK pipes
march 9	Morning Frost Check LeAK pipes
March 12	Morning Frost, Check LeAK Pipes
march 13	No rips or Tears. Check rip LeAK pipes
march 14	No rips or Tears Check LeAK Pipes
MARCH 15	NO NEW RIPS OR TEARS, CHECK LeAK PIPES
MARCH 16	NO NEW RIPS OR TEARS, CHECK LeAK PIPES
MARCH 17	SNOW, NO NEW TEARS OR RIPS, CHECK LeAK PIPES

March 20	Morning Frost, No new Tears. Check LEAK pipes
MARCH 21	Morning Frost, Check LEAK pipes.
MARCH 22	Morning Frost, Check LEAK pipes.
MARCH 23	No new Tears or rips. Check LEAK pipes
MARCH 26	Check Liner, Check LEAK pipes
MARCH 27	Check Liner, Check LEAK pipes
MARCH 28	Check Liner, Check LEAK pipes.
MAR 29	No new Rips. Check LEAK pipes
MAR 30	Check Liner. Check LEAK pipes
MAR APR 2	Check Liner Check LEAK pipes.
Apr 3.	Check Liner Check LEAK Pipes
Apr 4	Check Liner, Check LEAK pipes
April 5	Check Liner Check LEAK pipes-
Apr 6	Check Liner Check LEAK pipes
APR 9	CHECK LINER & LEAK PIPES
Apr 10	Check liner + LEAK pipes
Apr 11	Check liner + LEAK pipes
Apr 12	Check Liner + LEAK pipes
Apr 13	Check Liner + LEAK pipes
Apr 16	Check Liner + LEAK Pipes
Apr 17	Check Liner + LEAK Pipes
Apr 18	Check Liner + LEAK Pipes
April 19	Check Liner + LEAK Pipes
Apr 20	Check Liner + LEAK Pipes
Apr 23	Check Liner + LEAK Pipes
Apr 24	Check Liner + LEAK Pipes.
Apr 25	Check Liner + LEAK Pipes

Apr 26	Check Liner + Leak Pipes.
APR 30	CHECK LINER & LEAK PIPES
MAY 1 ST	CHECK LINER & LEAK PIPES
MAY 2	CHECK POND LINER & LEAK PIPES
MAY 3	CHECK POND LINER & LEAK PIPES
MAY 4	CHECK POND LINER & LEAK PIPES
MAY 07	CHECK POND LINER & LEAK PIPES, CLOUDY
MAY 8	CHECK POND LINER & LEAK PIPES
MAY 9	CHECK POND LINER & LEAK PIPES
MAY 10	CHECK POND LINER & LEAK PIPES
MAY 11	CHECK POND LINER & LEAK PIPES
MAY 14	CHECK POND LINER & LEAK PIPES, RAINWATER
MAY 15	CHECK POND LINER & LEAK PIPES
MAY 16	CHECK POND LINER & LEAK PIPES
MAY 17	CHECK POND LINER & LEAK PIPES
MAY 18	CHECK POND LINER & LEAK PIPES
MAY 21	CHECK POND LINER & LEAK PIPES
MAY 22	CHECK LINER & PIPES
MAY 23	CHECK LINER & LEAK PIPES
MAY 24	CHECK LINER & LEAK PIPES
MAY 25	CHECK LINER & LEAK PIPES
MAY 28	CHECK LINER & LEAK PIPES
MAY 29	CHECK LINER & LEAK PIPES
MAY 30	CHECK LINER & LEAK PIPES
MAY 31	CHECK LINER & LEAK PIPES
JUNE 1	CHECK LINER & LEAK PIPES

JUNE 4	CHECK LINER & LEAK PIPES
JUNE 5	CHECK LINER & LEAK PIPES
JUNE 6	CHECK LINER & LEAK PIPES
JUNE 7	CHECK LINER & LEAK PIPES
JUNE 8	CHECK LINER & LEAK PIPES
JUNE 11	CHECK LINER & LEAK PIPES
JUNE 12	CHECK LINER & LEAK PIPES
JUNE 13	CHECK LINER & LEAK PIPES
JUNE 14	CHECK LINER & LEAK PIPES
JUNE 15	CHECK LINER & LEAK PIPES
JUNE 18	CHECK LINER & LEAK PIPES
JUNE 19	CHECK LINER & LEAK PIPES
JUNE 20	CHECK LINER & LEAK PIPES
JUNE 21	CHECK LINER & LEAK PIPES
JUNE 22	CHECK LINER & LEAK PIPES
JUNE 25	CHECK LINER & LEAK PIPES
JUNE 26	CHECK LINER & LEAK PIPES
JUNE 27	CHECK LINER & LEAK PIPES, SLIGHT RAIN
JUNE 28	CHECK LINER & LEAK PIPES, SMALL PUDDLES FROM NIGHT RAIN
JUNE 29	CHECK LINER & LEAK PIPES
JULY 2	CHECK LINER & LEAK PIPES, PUDDLE FROM RAIN
JULY 3	CHECK LINER & LEAK PIPES, PUDDLE FROM RAIN
JULY 4	CHECK LINER & LEAK PIPES, PUDDLE FROM RAIN
JULY 5	CHECK LINER & LEAK PIPES, PUDDLE FROM RAIN
JULY 6	CHECK LINER & LEAK PIPES, PUDDLE FROM RAIN
JULY 9	CHECK LINER & PIPES, PUDDLE FROM RAIN, PUMP PUDDLE
JULY 10	CHECK LINER & PIPES, KEEP PUMPING PUDDLE

JULY 11	CHECK LINER & PIPES, PUDDLE FROM RAIN
JULY 12	CHECK LINER & PIPES, PUDDLE FROM RAIN
JULY 13	CHECK LINER & PIPES
JULY 14	CHECK LINER & PIPES
JULY 16	CHECK LINER & PIPES
JULY 17	CHECK LINER & PIPES
JULY 18	CHECK LINER & PIPES
JULY 19	CHECK LINER & PIPES SMALL RAIN
JULY 20	CHECK LINER & PIPES
JULY 23	CHECK LINER & PIPES
JULY 24	CHECK LINER & PIPES
JULY 25	CHECK LINER & PIPES
JULY 26	CHECK LINER & PIPES
JULY 27	CHECK LINER & PIPES
JULY 30	CHECK LINER & PIPES
JULY 31	CHECK LINER & PIPES
AUG 1	CHECK LINER & PIPES
AUG 2	CHECK LINER & PIPES
AUG 3	CHECK LINER & PIPES
AUG 6	CHECK LINER & PIPES
AUG 7	CHECK LINER & PIPES
AUG 8	CHECK LINER & PIPES
AUG 9	CHECK LINER & PIPES
AUG 10	CHECK LINER & PIPES
AUG 13	CHECK LINER & PIPES
AUG 14	CHECK LINER & PIPES
AUG 15	CHECK LINER & PIPES

AUG 16	CHECK LINER & PIPES
AUG 17	CHECK LINER & PIPES
AUG 20	CHECK LINER & PIPES
AUG 21	CHECK LINER & PIPES
AUG 22	CHECK LINER & PIPES
AUG 23	CHECK LINER & PIPES, NIGHT RAIN
AUG 24	CHECK LINER & PIPES, RAIN
27	CHECK LINER & PIPES'
28	CHECK LINER & PIPES
29	CHECK LINER & PIPES
30	CHECK LINER & PIPES
31	CHECK LINER & PIPES
SEPT 3	CHECK LINER & PIPES
4	CHECK LINER & PIPES
5	CHECK LINER & PIPES
6	CHECK LINER & PIPES
7	CHECK LINER & PIPES
10	CHECK LINER & PIPES
11	CHECK LINER & PIPES
12	CHECK LINER & PIPES RAIN
13	CHECK LINER & PIPES RAIN
14	CHECK LINER & PIPES RAIN
17	CHECK LINER & PIPES
18	CHECK LINER & PIPES
19	CHECK LINER & PIPES
20	CHECK LINER & PIPES
21	CHECK LINER & PIPES

SEPT 24 CHECK LINER & PIPES

25 CHECK LINER & PIPES

26 CHECK LINER & PIPES

27 CHECK LINER & PIPES

28 CHECK LINER & PIPES

OCT 1 CHECK LINER & PIPES

2 CHECK LINER & PIPES

3 CHECK LINER & PIPES

4 CHECK LINER & PIPES

5 CHECK LINER & PIPES

8 CHECK LINER & PIPES

9 CHECK LINER & PIPES

10 CHECK LINER & PIPES

11 CHECK LINER & PIPES

12 CHECK LINER & PIPES

15 CHECK LINER & PIPES

16 CHECK LINER & PIPES

17 CHECK LINER & PIPES

18 CHECK LINER & PIPES

19 CHECK LINER & PIPES

22 CHECK LINER & PIPES

23 CHECK LINER & PIPES

24 CHECK LINER & PIPES

25 CHECK LINER & PIPES

26 CHECK LINER & PIPES

29 CHECK LINER & PIPES

30 CHECK LINER & PIPES

Oct	31	CHECK LINER & PIPES
Nov	1	CHECK LINER & PIPES
	2	CHECK LINER & PIPES
	5	CHECK LINER & PIPES
	6	CHECK LINER & PIPES
	7	CHECK LINER & PIPES
	8	CHECK LINER & PIPES
	9	CHECK LINER & PIPES
	12	CHECK LINER & PIPES
	13	CHECK LINER & PIPES
	14	CHECK LINER & PIPES
	15	CHECK LINER & PIPES
	16	CHECK LINER & PIPES
	19	CHECK LINER & PIPES
	20	CHECK LINER & PIPES
	21	CHECK LINER & PIPES
	22	CHECK LINER & PIPES
	23	CHECK LINER & PIPES
	26	CHECK LINER & PIPES
	27	CHECK LINER & PIPES
	28	CHECK LINER & PIPES
	29	CHECK LINER & PIPES
	30	CHECK LINER & PIPES
Dec	3	CHECK LINER & PIPES
	4	CHECK LINER & PIPES
	5	CHECK LINER & PIPES
	6	CHECK LINER & PIPES

DEC 7	CHECK LINER & PIPES
10	CHECK LINER & PIPES
11	CHECK LINER & PIPES
12	CHECK LINER & PIPES
13	CHECK LINER & PIPES
14	CHECK LINER & PIPES
17	CHECK LINER & PIPES
18	CHECK LINER & PIPES
19	CHECK LINER & PIPES
20	CHECK LINER & PIPES
21	CHECK LINER & PIPES
24	CHECK LINER & PIPES
25	CHECK LINER & PIPES
26	CHECK LINER & PIPES
27	CHECK LINER & PIPES
28	CHECK LINER & PIPES
29	CHECK LINER & PIPES
31	CHECK LINER & PIPES
JAN 1,	13 CHECK LINER & PIPES
2	CHECK LINER & PIPES
3	CHECK LINER & PIPES
4	CHECK LINER & PIPES
7	CHECK LINER & PIPES
8	CHECK LINER & PIPES
9	CHECK LINER & PIPES
10	CHECK LINER & PIPES
11	CHECK LINER & PIPES

Appendix E

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-138
Revised March 12, 2007

*Surface Waste Management Facility Operator
and Generator shall maintain and make this
documentation available for Division inspection.

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. Generator Name and Address: El Paso Natural Gas Company - Headquarters: 2 North Nevada Blvd, Colorado Springs, CO 80903, Regional Division Office: 8725 Alameda Park Dr. NE, Albuquerque, NM 87113 Local Office: El Paso Natural Gas, PO Box 127, Bloomfield, NM 87413	
2. Originating Site: EPNG's - L3201/3222 @ Block Valve 3 - at the Pipeline 3201/3222 pig receiver facility	
3. Location of Material (Street Address, City, State or ULSTR): Portion of SW 1/4, Section 1, T-29-N, R-15-W, NMPM, San Juan County, NM. At MP 0+3591.8 on the 3201/3222 San Juan Lines.	
4. Source and Description of Waste: Rain Water from pig receiver catch basins mixed with some trace used oil from sweet natural gas transmission line. There may also be some minimal amounts of blow sand.	
Estimated Volume 10 yd ³ / bbls	Known Volume (to be entered by the operator at the end of the haul) 10 yd ³ / bbls
5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS I, Richard Duarte, representative or authorized agent for El Paso Natural Gas Company do hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification) ☐ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. <u>Operator Use Only: Waste Acceptance Frequency</u> ☐ Monthly ☒ Weekly ☐ Per Load ☒ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items) ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☒ Process Knowledge ☐ Other (Provide description in Box 4) GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS I, Richard Duarte, representative for El Paso Natural Gas Company do hereby certify that representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.	
5. Transporter:	

OCD Permitted Surface Waste Management Facility

Name and Facility Permit #:

Address of Facility:

Method of Treatment and/or Disposal:

☐ Evaporation ☒ Injection ☐ Treating Plant ☐ Landfarm ☐ Landfill ☐ Other

Waste Acceptance Status:

☒ **APPROVED**

☐ **DENIED** (Must Be Maintained As Permanent Record)

PRINT NAME: GARYE HIGGINS

TITLE: Superintendent

DATE: 3/22/12

SIGNATURE: [Signature]
Surface Waste Management Facility Authorized Agent

TELEPHONE NO.: _____

Ozz District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-138
Revised March 12, 2007

*Surface Waste Management Facility Operator
and Generator shall maintain and make this
documentation available for Division inspection.

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. Generator Name and Address: ENTERPRISE FIELD SERVICES, LLC, 614 Reilly Ave, Farmington, NM 87401 Pay Key Code: AQ12598 P18258	
2. Originating Site: Lateral 3B-24 replacement pipeline segment - new pipe	
3. Location of Material (Street Address, City, State or ULSTR): UL J, 5-30N-11W	
4. Source and Description of Waste: Hydrostatic test water from municipal source for pressure testing new pipeline. Estimated Volume <u>10</u> bbls. <u>yd</u> ³ / bbls Known Volume (to be entered by the operator at the end of the haul) _____ <u>yd</u> ³ / bbls	
5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS I, <u>Runell Seale</u> Runell Seale, DATE: <u>3-28-12</u> representative or authorized agent for Enterprise Field Services, LLC Generator Signature Do hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification) ☐ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. <u>Operator Use Only: Waste Acceptance Frequency</u> ☐ Monthly ☐ Weekly ☐ Per Load ☒ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items) ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☒ Process Knowledge ☐ Other (Provide description in Box 4) GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS I, <u>Runell Seale</u> , representative for Enterprise Field Services LLC authorize Auga Moss to complete the required testing/sign the Generator Waste Testing Certification. I, <u>Low Peterson</u> , representative for <u>ENTERPRISE FIELD SERVICES</u> do hereby certify that Representative/Agent Signature representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.	
5. Transporter: Unknown	

OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: Agua Moss Crouch Mesa SWD #NM-01-0009

Address of Facility: 345 CR 350, Farmington, NM 87401

Method of Treatment and/or Disposal:

☐ Evaporation ☒ Injection ☐ Treating Plant ☐ Landfarm ☐ Landfill ☐ Other

Waste Acceptance Status:

☒ APPROVED

☐ DENIED (Must Be Maintained As Permanent Record)

PRINT NAME: Aron Kahle

TITLE: Hand DATE: Apr. 2, 2012

SIGNATURE: Aron Kahle
Surface Waste Management Facility Authorized Agent

TELEPHONE NO.: 505-334-6186 Fax 505-334-5410

022 District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Road, Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico

Energy Minerals and Natural Resources

Oil Conservation Division

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-138
Revised March 12, 2007*Surface Waste Management Facility Operator
and Generator shall maintain and make this
documentation available for Division inspection.

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. Generator Name and Address: ENTERPRISE FIELD SERVICES, LLC, 614 Reilly Ave, Farmington, NM 87401 Pay Key Code: AQ12598 P18258
2. Originating Site: Lateral 3B-24 replacement pipeline segment – new pipe
3. Location of Material (Street Address, City, State or ULSTR): UL J, 5-30N-11W
4. Source and Description of Waste: Hydrostatic test water from municipal source for pressure testing new pipeline. Estimated Volume <u>10</u> bbls. <u>yd</u> ³ / bbls Known Volume (to be entered by the operator at the end of the haul) _____ yd ³ / bbls
5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS I, <u>Runell Seale</u> , <u>Runell Seale</u> , DATE: <u>3-28-12</u> representative or authorized agent for Enterprise Field Services, LLC Generator Signature Do hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification) ☐ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. <u>Operator Use Only: Waste Acceptance Frequency</u> ☐ Monthly ☐ Weekly ☐ Per Load ☒ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items) ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☒ Process Knowledge ☐ Other (Provide description in Box 4) GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS I, <u>Runell Seale</u> , representative for Enterprise Field Services LLC authorize Auga Moss to complete Generator Signature the required testing/sign the Generator Waste Testing Certification. I, _____, representative for _____ do hereby certify that Representative/Agent Signature representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.
5. Transporter: Unknown

OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: **Auga Moss Crouch Mesa SWD #NM-01-0009**Address of Facility: **345 CR 350, Farmington, NM 87401**

Method of Treatment and/or Disposal:

☐ Evaporation ☒ Injection ☐ Treating Plant ☐ Landfarm ☐ Landfill ☐ Other

Waste Acceptance Status:

☒ **APPROVED**☐ **DENIED (Must Be Maintained As Permanent Record)**PRINT NAME: Ann KahleTITLE: Hand DATE: 04-2-2012SIGNATURE: [Signature]
Surface Waste Management Facility Authorized AgentTELEPHONE NO.: 505-334-6186 Fax 505-334-5410

1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-138
Revised March 12, 2007

*Surface Waste Management Facility Operator
and Generator shall maintain and make this
documentation available for Division inspection

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. Generator Name and Address: ENTERPRISE FIELD SERVICES, LLC, 614 Reilly Ave, Farmington, NM 87401 Pay Key Code: PM10769 P19238
2. Originating Site: MAPL 8" & 12" Line Replacement - Kutz Wash Revised C-138
3. Location of Material (Street Address, City, State or ULSTR): UL L, S25, T28N, R11W
4. Source and Description of Waste: Hydrostatic test water from municipal source for pressure testing new replacement pipe. Estimated Volume <u>380 bbls.</u> yd ³ / bbls Known Volume (to be entered by the operator at the end of the haul) _____ yd ³ / bbls
5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS I, <u>Runell Seale</u> Runell Seale , DATE <u>4-9-12</u> , representative or authorized agent for Enterprise Field Services, LLC Generator Signature Do hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification) ☐ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. <u>Operator Use Only: Waste Acceptance Frequency</u> ☐ Monthly ☐ Weekly ☐ Per Load ☒ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items) ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☒ Process Knowledge ☐ Other (Provide description in Box 4)
GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS I, <u>Runell Seale</u> , representative for <u>Enterprise Field Services LLC</u> authorize Auga Moss to complete the required testing/sign the Generator Waste Testing Certification. I, _____, representative for _____ do hereby certify that Representative/Agent Signature representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.
5. Transporter: Unknown

OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: **Auga Moss Crouch Mesa SWD #NM-01-0009**

Address of Facility: **345 CR 350, Farmington, NM 87401**

Method of Treatment and/or Disposal:

☐ Evaporation ☒ Injection ☐ Treating Plant ☐ Landfarm ☐ Landfill ☐ Other

Waste Acceptance Status:

☒ **APPROVED**

☐ **DENIED (Must Be Maintained As Permanent Record)**

PRINT NAME: CHRIS MORGAN

TITLE: HAND

DATE: 7 APR 12

SIGNATURE: [Signature]
Surface Waste Management Facility Authorized Agent

TELEPHONE NO.: 505-334-6186 Fax 505-334-5410

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE**1. Generator Name and Address:**

El Paso Natural Gas Company - Headquarters: 2 North Nevada Blvd, Colorado Springs, CO 80903,
Regional Division Office: 8725 Alameda Park Dr. NE, Albuquerque, NM 87113
Local Office: El Paso Natural Gas, PO Box 127, Bloomfield, NM 87413

2. Originating Site: EPNG's - L3201/3222 @ Block Valve 4 at the Pipeline 3201/3222 pig receiver facility
1205/1218 1205/1218

3. Location of Material (Street Address, City, State or ULSTR): Portion of SW 1/4, Section 1, T-29-N, R-15-W, NMPM, San Juan County, NM. At MP 0+3591.8 on the 3201/3222 San Juan Lines.
2500 1205/1218

4. Source and Description of Waste: Rain Water from pig receiver catch basins mixed with some trace used oil from sweet natural gas transmission line. There may also be some minimal amounts of blow sand.

Estimated Volume ~~10~~ yd³ / bbls Known Volume (to be entered by the operator at the end of the haul) 10 yd³ / bbls

5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS

Richard Duarte

El Paso Natural Gas Company

I, Richard Duarte, El Paso Natural Gas Company representative or authorized agent for El Paso Natural Gas Company do hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification)

☐ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. Operator Use Only: Waste Acceptance Frequency ☐ Monthly ☐ Weekly ☐ Per Load

☒ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items)

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☒ Process Knowledge ☐ Other (Provide description in Box 4)

GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS

Richard Duarte

El Paso Natural Gas Company

I, Richard Duarte, El Paso Natural Gas Company representative for El Paso Natural Gas Company do hereby certify that representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.

Transporter:**6. D Permitted Surface Waste Management Facility**

Name and Facility Permit #:

Address of Facility:

Method of Treatment and/or Disposal:

☐ Evaporation ☒ Injection ☐ Treating Plant ☐ Landfarm ☐ Landfill ☐ Other

Waste Acceptance Status:☒ **APPROVED**☐ **DENIED** (Must Be Maintained As Permanent Record)NT NAME: GARY HIGGINSTITLE: Superintendent DATE: 3/25/12NATURE: Surface Waste Management Facility Authorized AgentTELEPHONE NO.: 486-9425 5/8/12

This Load 5-7-12 - is From Receiver Basins at L1205 & L1218 AT MP.0+3500

Mike McCon505-320-1984

DISTRICT I

1625 N. French Dr., Hobbs, NM 88240

DISTRICT II

1301 W. Grand Avenue, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Road, Aztec, NM 87410

DISTRICT IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-138
Revised March 12, 2007

*Surface Waste Management Facility Operator
and Generator shall maintain and make this
documentation available for Division inspection.

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. Generator Name and Address: ENTERPRISE FIELD SERVICES, LLC, 614 Reilly Ave, Farmington, NM 87401 Pay Key Code: AQ12598
2. Originating Site: Jackrabbit Interconnect Project, Site C and Site E
3. Location of Material (Street Address, City, State or ULSTR): Site C - Lot 10, S14-T31N-R10W Site E - Lot 1, S20-T31N-R10W
4. Source and Description of Waste: Hydrostatic test water from municipal source for pressure testing pipeline. Estimated Volume <u>1000</u> bbls. <u>yd³</u> / bbls Known Volume (to be entered by the operator at the end of the haul) <u> </u> <u>yd³</u> / bbls

5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS I, <u>Aaron Dailey</u> , representative or authorized agent for Enterprise Field Services, LLC Generator Signature Do hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification) ☐ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. <u>Operator Use Only: Waste Acceptance Frequency</u> ☒ <u>Monthly</u> ☐ <u>Weekly</u> ☐ <u>Per Load</u> ☒ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items) ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☒ Process Knowledge ☐ Other (Provide description in Box 4)
--

GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS I, <u>Aaron Dailey</u> , representative for Enterprise Field Services LLC authorize Auga Moss to complete the required testing/sign the Generator Waste Testing Certification. I, <u> </u> , representative for <u> </u> do hereby certify that Representative/Agent Signature representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.

5. Transporter: Dawn Trucking

OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: Agua Moss Crouch Mesa SWD #NM-01-0009

Address of Facility: 345 CR 350, Farmington, NM 87401

Method of Treatment and/or Disposal:

☐ Evaporation ☒ Injection ☐ Treating Plant ☐ Landfarm ☐ Landfill ☐ Other

Waste Acceptance Status:

☐ APPROVED☐ DENIED (Must Be Maintained As Permanent Record)

PRINT NAME: CHRIS MORGAN

TITLE: SUPERVISOR

DATE: 5-22-12

SIGNATURE: Chris Morgan
Surface Waste Management Facility Authorized Agent

TELEPHONE NO.: 505-334-6186 Fax 505-334-5410

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-138
Revised March 12, 2007

*Surface Waste Management Facility Operator
and Generator shall maintain and make this
documentation available for Division inspection.

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. Generator Name and Address: El Paso Natural Gas Company - Headquarters: 2 North Nevada Blvd, Colorado Springs, CO 80903, Regional Division Office: 8725 Alameda Park Dr. NE, Albuquerque, NM 87113 Local Office: El Paso Natural Gas, PO Box 127, Bloomfield, NM 87413	
2. Originating Site: EPNG's - Pipeline 3222 & 3201 - @ 6500 County Rd, EPNG's Right of Way, Kirtland, NM 87417.	
3. Location of Material (Street Address, City, State or ULSTR: Lat: 36°45'27.07"N, Long.: 108°21'31.59"W	
4. Source and Description of Waste: Hydrostatic test water from EPNG's pipelines 3222 & 3201 in Kirtland, NM. The water is of relatively good quality in general as it comes from new pipe and a cleaned pipeline prior to introducing the water. Approximately 4 frac-tanks or 85,000 gallons.	
Estimated Volume Est. 2,030 yd ³ (bbls) Known Volume (to be entered by the operator at the end of the haul) Est. 2,030 yd ³ (bbls)	
5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS I, <u>Richard Duarte</u> , representative or authorized agent for <u>El Paso Natural Gas Company</u> do hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification) ☐ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. <i>Operator Use Only: Waste Acceptance Frequency</i> ☐ Monthly ☐ Weekly ☐ Per Load ☒ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items) ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☒ Process Knowledge ☐ Other (Provide description in Box 4) GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS I, <u>Richard Duarte</u> , representative for <u>El Paso Natural Gas Company</u> do hereby certify that representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC. <u>Richard Duarte</u> 505 831-7763 richardo.duarte@elpaso.com	
5. Transporter: M & R Trucking Inc., 281 County Road 350, Farmington, NM (505) 334-5541	

OCD Permitted Waste Management Facility

Name and Facility Permit #: Agua Moss LLC, Crouch Mesa Facility

Address of Facility: 5651 US Highway 64, Farmington, NM

Method of Treatment and/or Disposal:

☐ Evaporation ☒ Injection ☐ Treating Plant ☐ Landfarm ☐ Landfill ☐ Other

Waste Acceptance Status:

☒ APPROVED

☐ DENIED (Must Be Maintained As Permanent Record)

PRINT NAME: CHRIS MORGAN

TITLE: _____

DATE: 23 MAY 12

SIGNATURE: _____

Waste Management Facility Authorized Agent

TELEPHONE NO.: _____

Ozz District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-138
Revised March 12, 2007

*Surface Waste Management Facility Operator
and Generator shall maintain and make this
documentation available for Division inspection

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. Generator Name and Address: ENTERPRISE FIELD SERVICES, LLC, 614 Reilly Ave, Farmington, NM 87401 Pay Key Code: AQ12598 P19438
2. Originating Site: Atlantic A #8C new well tie
3. Location of Material (Street Address, City, State or ULSTR): UL G, S29-T31N-10W
4. Source and Description of Waste: Hydrostatic test water from municipal source for pressure testing new well-tie pipeline. Estimated Volume <u>15 bbls.</u> yd ³ / bbls Known Volume (to be entered by the operator at the end of the haul) _____ yd ³ / bbls
5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS I, <u>Runell Seale</u> Runell Seale, DATE: <u>6-20-12</u> , representative or authorized agent for Enterprise Field Services, LLC Generator Signature Do hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification) ☐ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. <u>Operator Use Only: Waste Acceptance Frequency</u> ☒ <u>Monthly</u> ☐ <u>Weekly</u> ☐ <u>Per Load</u> ☒ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items) ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☒ Process Knowledge ☐ Other (Provide description in Box 4)
GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS I, <u>Runell Seale</u> , representative for Enterprise Field Services LLC authorize Auga Moss to complete Generator Signature the required testing/sign the Generator Waste Testing Certification. I, _____, representative for _____ do hereby certify that Representative/Agent Signature representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.
5. Transporter: Foutz Construction

OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: **Auga Moss Crouch Mesa SWD #NM-01-0009**

Address of Facility: **345 CR 350, Farmington, NM 87401**

Method of Treatment and/or Disposal:

☐ Evaporation ☒ Injection ☐ Treating Plant ☐ Landfarm ☐ Landfill ☐ Other

Waste Acceptance Status:

☐ APPROVED

☐ DENIED (Must Be Maintained As Permanent Record)

PRINT NAME: CHRIS MORGAN

TITLE: SUPERVISOR DATE: 6-22-12

SIGNATURE: [Signature]
Surface Waste Management Facility Authorized Agent

TELEPHONE NO.: 505-334-6186 Fax 505-334-5410

0321 District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-138
Revised March 12, 2007

*Surface Waste Management Facility Operator
and Generator shall maintain and make this
documentation available for Division inspection.

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. Generator Name and Address: ENTERPRISE FIELD SERVICES, LLC, 614 Reilly Ave, Farmington, NM 87401 Pay Key Code: AQ12598 P19438
2. Originating Site: Atlantic A #8C new well tie
3. Location of Material (Street Address, City, State or ULSTR): UL G, S29-T31N-10W
4. Source and Description of Waste: Hydrostatic test water from municipal source for pressure testing new well-tie pipeline. Estimated Volume 15 bbls. yd ³ / bbls Known Volume (to be entered by the operator at the end of the haul) yd ³ / bbls
5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS I, <u>Runell Seale</u> Runell Seale, DATE: 6-20-12, representative or authorized agent for Enterprise Field Services, LLC Generator Signature Do hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification) ☐ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. <u>Operator Use Only: Waste Acceptance Frequency</u> ☒ Monthly ☐ Weekly ☐ Per Load ☒ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items) ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☒ Process Knowledge ☐ Other (Provide description in Box 4) GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS I, <u>Runell Seale</u> , representative for Enterprise Field Services LLC authorize Auga Moss to complete Generator Signature the required testing/sign the Generator Waste Testing Certification. I, _____, representative for _____ do hereby certify that Representative/Agent Signature representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.
5. Transporter: Foutz Construction

OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: Agua Moss Crouch Mesa SWD #NM-01-0009

Address of Facility: 345 CR 350, Farmington, NM 87401

Method of Treatment and/or Disposal:

☐ Evaporation ☒ Injection ☐ Treating Plant ☐ Landfarm ☐ Landfill ☐ Other

Waste Acceptance Status:

☒ APPROVED

☐ DENIED (Must Be Maintained As Permanent Record)

PRINT NAME: CHRIS MORGAN

TITLE: SUPERVISOR

DATE: 22 JUN 12

SIGNATURE: _____

TELEPHONE NO.: 505-334-6186 Fax 505-334-5410

Surface Waste Management Facility Authorized Agent

Oct 04 2012 10:46AM Enterprise Products
 District III
 1000 Rio Brazos Road, Aztec, NM 87410
 District IV
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
 Energy Minerals and Natural Resources
 Oil Conservation Division
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

Form C-138
 Revised March 12, 2007

*Surface Waste Management Facility Operator
 and Generator shall maintain and make this
 documentation available for Division inspection.

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. Generator Name and Address:

ENTERPRISE FIELD SERVICES, LLC, 614 Reilly Ave, Farmington, NM 87401 Pay Key Code: BM11844 AFE P50671-987

2. Originating Site:

Lateral 5A-2 Line Replacement (Tibbets Middle School) new pipeline

3. Location of Material (Street Address, City, State or ULSTR):

UL B, Sec 1, Twp 29N, R14W, San Juan County

4. Source and Description of Waste:

Hydrostatic test water from municipal source for pressure testing new well-tie pipeline.

Estimated Volume 50 bbls. yd³ / bbls Known Volume (to be entered by the operator at the end of the haul) yd³ / bbls

5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS

I, Runell Seale

Runell Seale, DATE: 10-4-12, representative or authorized agent for Enterprise Field Services, LLC

Generator Signature

Do hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification)

☐ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. Operator Use Only: Waste Acceptance Frequency ☐ Monthly ☐ Weekly ☐ Per Load

☒ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items)

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☒ Process Knowledge ☐ Other (Provide description in Box 4)

GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS

I, Runell Seale

, representative for Enterprise Field Services LLC authorize Auga Moss to complete

Generator Signature

the required testing/sign the Generator Waste Testing Certification.

I, _____, representative for _____ do hereby certify that

Representative/Agent Signature

representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.

5. Transporter: Unknown

OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: Agua Moss Crouch Mesa SWD #NM-01-0009

Address of Facility: 345 CR 350, Farmington, NM 87401

Method of Treatment and/or Disposal:

☐ Evaporation ☒ Injection ☐ Treating Plant ☐ Landfarm ☐ Landfill ☐ Other

Waste Acceptance Status:

☒ APPROVED

☐ DENIED (Must Be Maintained As Permanent Record)

TITLE: LEAD TECHNIQUE DATE: OCT 11, 12

TELEPHONE NO.: 505-334-6186 Fax 505-334-5410

PRINT NAME: CHRIS MORGAN

Management Facility Authorized Agent

Ozz District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Road, Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico

Energy Minerals and Natural Resources

Oil Conservation Division

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-138

Revised March 12, 2007

*Surface Waste Management Facility Operator
and Generator shall maintain and make this
documentation available for Division inspection.

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE**1. Generator Name and Address:****ENTERPRISE FIELD SERVICES, LLC, 614 Reilly Ave, Farmington, NM 87401 Pay Key Code: BM11844 AFE P50671-987****2. Originating Site:****Lateral 5A-2 Line Replacement (Tibbets Middle School) new pipeline****3. Location of Material (Street Address, City, State or ULSTR):****UL B, Sec 1, Twp 29N, R14W, San Juan County****4. Source and Description of Waste:****Hydrostatic test water from municipal source for pressure testing new well-tie pipeline.**Estimated Volume 50 bbls. yd³ / bbls Known Volume (to be entered by the operator at the end of the haul) _____ yd³ / bbls**5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS**

I, Runell Seale Runell Seale, DATE: 10-4-12, representative or authorized agent for Enterprise Field Services, LLC
Generator Signature

Do hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification)

☐ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. Operator Use Only: Waste Acceptance Frequency ☐ Monthly ☐ Weekly ☐ Per Load

☒ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items)

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☒ Process Knowledge ☐ Other (Provide description in Box 4)

GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS

I, Runell Seale, representative for Enterprise Field Services LLC authorize Auga Moss to complete
Generator Signature

the required testing/sign the Generator Waste Testing Certification.

I, _____, representative for _____ do hereby certify that

Representative/Agent Signature

representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.

5. Transporter: Unknown**OCD Permitted Surface Waste Management Facility**Name and Facility Permit #: **Agua Moss Crouch Mesa SWD #NM-01-0009**Address of Facility: **345 CR 350, Farmington, NM 87401**

Method of Treatment and/or Disposal:

☐ Evaporation ☒ Injection ☐ Treating Plant ☐ Landfarm ☐ Landfill ☐ Other

Waste Acceptance Status:☒ **APPROVED**☐ **DENIED** (Must Be Maintained As Permanent Record)PRINT NAME: CARIS MORGANTITLE: LEAD TECHNICIANDATE: 11 OCT 12SIGNATURE: [Signature]TELEPHONE NO.: 505-334-6186 Fax 505-334-5410

Surface Waste Management Facility Authorized Agent

***Surface Waste Management Facility Operator and Generator shall maintain and make this documentation available for Division inspection.**

TELEPHONE NO.: 505-334-6186 Fax 505-334-5410

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-138
Revised March 12, 2007

*Surface Waste Management Facility Operator
and Generator shall maintain and make this
documentation available for Division inspection.

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. Generator Name and Address: ENTERPRISE FIELD SERVICES, LLC, 614 Reilly Ave, Farmington, NM 87401 Pay Key Code: AQ12598
2. Originating Site: San Juan 28-7 #110P new well tie
3. Location of Material (Street Address, City, State or ULSTR): UL N, S19-T27N-R7W
4. Source and Description of Waste: Hydrostatic test water from municipal source for pressure testing new well-tie pipeline. Estimated Volume <u>10</u> bbls. <u>yd</u> ³ / bbls Known Volume (to be entered by the operator at the end of the haul) _____ <u>yd</u> ³ / bbls
5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS I, <u>Runell Seale</u> , <u>Runell Seale</u> , DATE: <u>9-26-12</u> , representative or authorized agent for Enterprise Field Services, LLC Generator Signature Do hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification) ☐ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. <u>Operator Use Only: Waste Acceptance Frequency</u> ☐ Monthly ☐ Weekly ☐ Per Load ☒ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items) ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☒ Process Knowledge ☐ Other (Provide description in Box 4) GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS I, _____, representative for Enterprise Field Services LLC authorize Auga Moss to complete Generator Signature the required testing/sign the Generator Waste Testing Certification. I, _____, representative for _____ do hereby certify that Representative/Agent Signature representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.
5. Transporter: Unknown

OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: **Auga Moss Crouch Mesa SWD #NM-01-0009**

Address of Facility: **345 CR 350, Farmington, NM 87401**

Method of Treatment and/or Disposal:

☐ Evaporation ☒ Injection ☐ Treating Plant ☐ Landfarm ☐ Landfill ☐ Other

Waste Acceptance Status:

☒ **APPROVED**

☐ **DENIED** (Must Be Maintained As Permanent Record)

PRINT NAME: CHRIS MORGAN

TITLE: LEAD TECHNICIAN DATE: 11-5-12

SIGNATURE: [Signature]
Surface Waste Management Facility Authorized Agent

TELEPHONE NO.: 505-334-6186 Fax 505-334-5410

Ozz District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Road, Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-138
Revised March 12, 2007

*Surface Waste Management Facility Operator
and Generator shall maintain and make this
documentation available for Division inspection.

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. Generator Name and Address: ENTERPRISE FIELD SERVICES, LLC, 614 Reilly Ave, Farmington, NM 87401 Pay Key Code: BM11844
2. Originating Site: Lateral 3B-30 pipeline
3. Location of Material (Street Address, City, State or ULSTR): UL H, Sec 23, Twp, 29N, R11W
4. Source and Description of Waste: Hydrostatic test water from municipal source for pressure testing pipeline. Estimated Volume 250+bbls yd ³ / bbls Known Volume (to be entered by the operator at the end of the haul) yd ³ / bbls
5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS I, <u>Runell Seale</u> Runell Seale, DATE: 11-15-2012, representative or authorized agent for Enterprise Field Services, LLC Generator Signature Do hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification) ☐ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. <u>Operator Use Only: Waste Acceptance Frequency</u> ☐ Monthly ☐ Weekly ☐ Per Load ☒ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items) ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☒ Process Knowledge ☐ Other (Provide description in Box 4)
GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS I, <u>Runell Seale</u> , representative for Enterprise Field Services LLC authorize Auga Moss to complete the required testing/sign the Generator Waste Testing Certification. I, _____, representative for _____ do hereby certify that Representative/Agent Signature representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.
5. Transporter: Unknown

OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: Agua Moss Crouch Mesa SWD #NM-01-0009

Address of Facility: 345 CR 350, Farmington, NM 87401

Method of Treatment and/or Disposal:

☐ Evaporation ☒ Injection ☐ Treating Plant ☐ Landfarm ☐ Landfill ☐ Other

Waste Acceptance Status:

☐ APPROVED☐ DENIED (Must Be Maintained As Permanent Record)PRINT NAME: CHRIS MORGANTITLE: LEAD TECHNICIANDATE: ZONQUIZSIGNATURE: [Signature]
Surface Waste Management Facility Authorized Agent

TELEPHONE NO.: 505-334-6186 Fax 505-334-5410