

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

Form C-144
June 1, 2004

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

For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes ☐ No ☐

Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☒

Operator: Nadel & Gussman Permian, LLC Telephone: 432-682-4429 e-mail address: kemm@naguss.com SEP 29 2008
Address: 601 N. Marienfeld, Suite 508, Midland, Texas 79701
Facility or well name: Artemis Federal Com. No. 1 API #: 3001534011 U/L or Qtr/Qtr Lot L Sec 33 T 22S R 28E OGD-ARTESIA
County: Eddy Latitude N Longitude W NAD: 1927 ☐ 1983 ☐
Surface Owner: Federal X State Private ☐ Indian ☐

Pit Type: Drilling X Production <input type="checkbox"/> Disposal <input type="checkbox"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined X Unlined <input type="checkbox"/> Liner type: Synthetic X Thickness: 12ml HDPE liner Clay <input type="checkbox"/> Pit Volume: 2500 bbl	Below-grade tank N/A Volume: N/A bbl Type of fluid: N/A Construction material: N/A Double-walled, with leak detection? <input type="checkbox"/> If not, explain why not.
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of groundwater.) Closest water wells exist in Section 32 and have an average depth of 39 feet.	Less than 50 feet (20 points) 20 pts. 50 feet or more, but less than 100 feet (10 points) 100 feet or more (0 points)
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes (20 points) 0 No XXX (0 points)
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet (20 points) 200 feet or more, but less than 1000 feet (10 points) 10 pts. 1000 feet or more (0 points)
Ranking Score (Total Points) 30 pts.	

If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks (2) Indicate disposal location: Control Recovery, Inc. Land Farm (CRI) south of Carlsbad, NM offsite X If offsite, name of facility: (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No X Yes ☐ If yes, show depth below ground surface ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments:

PIT CLOSED DECEMBER 2005

EXCESSIVE SALT STRINGERS IN AREA - NMOCD AUTHORIZED CLOSURE BASED ON NATURAL CONDITIONS

SAMPLE ANALYTICALS ATTACHED

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines X, a general permit ☐, or an (attached) alternative OGD-approved plan ☐.

Date: December 27, 2005

Printed Name/Title: Kem McCready, Operations Engineer

Signature: *Kem McCready*

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or

Approval.

Printed Name/Title

Signature

Accepted for record
NMOCD

Date: SEP 29 2008



COPY

NADEL & GUSSMAN PERMAIN, LLC
attn: CHERYL WINKLER
2408 FREEMAN
ARTESIA NM 88210

Explanation of codes	
B	Analyte Detected in Method Blank
E	Result is Estimated
H	Analyzed Out of Hold Time
N	Tentatively Identified Compound
S	Subcontracted
1-9	See Footnote

STANDARD

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: NADEL & GUSSMAN PERMAIN, LLC
Project: ARTEMIS #1
Order: 0512199 CREDIT Receipt: 12-09-05

William P. Biava President of Assaigai Analytical Laboratories, Inc

Sample: ARTEMIS #1 (1C PIT) Collected: 12-08-05 15:00:00 By: CW
Matrix: SOIL SR8555

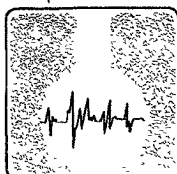
QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0512199-0001A			EPA 300.0 Anions by IC					By: JTK		
W05942	WC.2005.3281.4	16887-00-6	Chloride	480	mg / Kg	100	0.5		12-09-05	12-09-05

Sample: ARTEMIS #1 (1B BACKGROUND) Collected: 12-08-05 15:00:00 By: CW
Matrix: SOIL SR8556

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0512199-0002A			EPA 300.0 Anions by IC					By: JTK		
W05942	WC.2005.3281.7	16887-00-6	Chloride	3410	mg / Kg	100	0.5		12-09-05	12-09-05

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, ie result is less than the sample specific Detection Limit. Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. All results relate only to the items tested. Any miscellaneous workorder information or footnotes will appear below.

Analytical results are not corrected for method blank or field blank contamination.



ASSAIGAL ANALYTICAL LABORATORIES, INC.

4301 Masthead NE, Ste. A • Albuquerque, New Mexico 87109 • (505) 345-8964 • FAX (505) 345-7259

3332 Wedgewood, Ste. N • El Paso, Texas 79925 • (915) 593-6000 • FAX (915) 593-7820

127 Eastgate Drive, 212-C • Los Alamos, New Mexico 87544 • (505) 662-2558

NADEL & GUSSMAN PERMAIN, LLC
attn: **CHERYL WINKLER**
2408 FREEMAN
ARTESIA

NM 88210

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Explanation of codes

B	Analyte Detected in Method Blank
E	Result is Estimated
H	Analyzed Out of Hold Time
N	Tentatively Identified Compound
S	Subcontracted
1-9	See Footnote

STANDARD

Assaigal Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **NADEL & GUSSMAN PERMAIN, LLC**
Project: **ARTEMIS FEDERAL #1**
Order: **0512112 CREDIT** Receipt: **12-06-05**


William P. Biava, President of Assaigal Analytical Laboratories, Inc.

Sample: **ARTEMIS NO 1**
Matrix: **SOIL**

Collected: **12-05-05 16:00:00** By:

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0512112-0001A			EPA 300.0 Anions by IC					By: JTK		
W05934	WC 2005.3250.7	16887-00-6	Chloride	1650	mg / Kg	10	0.5		12-07-05	12-07-05

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, ie result is less than the sample specific Detection Limit. Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. All results relate only to the items tested. Any miscellaneous workorder information or footnotes will appear below.

Analytical results are not corrected for method blank or field blank contamination.



6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
155 McCutcheon, Suite H El Paso, Texas 79932 888•588•3443 915•585•3443 FAX 915•585•4944
E-Mail lab@traceanalysis.com

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Analytical and Quality Control Report

Cheryl Winkler
Nade Gussman Permain LLC
Cheryl Winkler
2408 Freeman
Artesia, NM 88210

Report Date: December 8, 2005

Work Order: 5120719

Project Location: Carlsbad
Project Number: Artemis Federal No. 1

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
79549	Soil CL Only	soil	2005-12-05	00:00	2005-12-07

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 3 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Analytical Report

Sample: 79549 - Soil CL Only

Analysis: Chloride (IC)	Analytical Method: E 300.0	Prep Method: N/A
QC Batch: 23280	Date Analyzed: 2005-12-07	Analyzed By: WB
Prep Batch: 20423	Sample Preparation: 2005-12-07	Prepared By: WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1330	mg/Kg	100	1.00

Matrix Blank (1) QC Batch: 23280

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.0222	mg/Kg	1

Laboratory Control Spike (LCS-1) QC Batch: 23280

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	12.4	12.0	mg/Kg	1	12.5	<0.0222	99	3	90 - 110	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) QC Batch: 23280 Spiked Sample: 79549

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	2540	2600	mg/Kg	100	12.5	1330	97	2	81.5 - 115	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1) QC Batch: 23280

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	12.5	11.6	93	90 - 110	2005-12-07

Standard (CCV-1) QC Batch: 23280

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	12.5	11.3	90	90 - 110	2005-12-07

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