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 Divisio
1220 South St. Francis D
Santa Fe, NM 87505

Form C-144
June 1, 2004

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

RECEIVED
2007
OCD - ARTESIA

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 X

Operator: Nadel & Gussman Permian, LLC Telephone: 432-682-4429 e-mail address: kemm@naguss.com

Address: 601 N. Marienfeld, Suite 508, Midland, Texas 79701

Facility or well name: White City 8 Federal No. 1 API: 3001534785 U/L H Sec 8_ T25S_ R27E 1460'FNL 1310'FEL

County: Eddy

Surface Owner: Federal X State Private ☐ Indian ☐

Pit	**Below-grade tank N/A**	
Type: Drilling X Production ☐ Disposal ☐ Workover ☐ Emergency ☐ Lined X Unlined ☐ Liner type: Synthetic X Thickness: **12mil HDPE liner** Clay ☐ Pit Volume: **2500 bbl. Approximately**	Volume: _N/A bbl Type of fluid: _N/A Construction material: __N/A Double-walled, with leak detection? ☐ If not, explain why not.	
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of groundwater.)	Less than 50 feet 50 feet or more, but less than 100 feet 100 feet or more	(20 points) (10 points) 10pts. (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 No	(20 points) (0 points) 0pts.
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet 200 feet or more, but less than 1000 feet 1000 feet or more	(20 points) (10 points) 0pts. (0 points)
	Ranking Score (Total Points)	**10pts.**

If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. **Digital Photos shall be submitted for before and after remediation activity.** (2) Indicate disposal location: **onsite insitu pit** 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: **THIS C-144 PRESENTS GROUNDWATER DEPTH INVESTIGATON IN THE AREA OF POTENTIAL *INSITU* DISPOSAL. 70' BORE HOLE PRODUCED NO GROUNDWATER FOR 72 HOURS (see State Engineer's Well Record and Closure Report 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 OCD-approved plan ☐.**

Date: 26 December 2006

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 regulations.

Approval:

Printed Name/Title _____ Signature _____ Date: 3/5/07

Mr. Kem McCready
Operations Engineer
NADEL AND GUSSMAN PERMIAN, LLC
601 N. Marienfeld
Suite 508
Midland, TX 79701

26 December 2006

Mr. Mike Bratcher
OIL CONSERVATION DIVISION
1301 West Grand Avenue
Artesia, NM 88210

30-015-34785

Re: White City 8 Federal Com. No. 1 Pit Closure Documents

Dear Mr. Bratcher:

Pursuant to the State of New Mexico regulatory requirements for permanent closure of drilling pits, please be advised the following documents are herewith enclosed: (1) Amended Form C-144, (2) digital photos of existing pit (3) sample location diagram (forwarded in final report) and (4) additional information constituting the proposed "Closure Plan" for closure of Unit Petroleum Company's (Operator) White City 8 Federal Com. No. 1 drilling pit by Nadel & Gussman Permian, LLC, hereinafter "NGP", (API No. 30-015-34785) located in U/L H S8 T25S, R27E, 1,460 FNL and 1,310 FEL of Eddy County, New Mexico.

INTRODUCTION

Remediation of the Unit Petroleum Company (UPC), White City 8 Federal Com. No. 1, hereinafter "White City 8" drilling pit is targeted to begin 8 January 2007 with completion expected by 8 February 2007, permitting weather and the occurrence of unexpected conditions not within the Operator's control do not create delays or exacerbate the proposed schedule in any way. UPC intends to maintain its commitment to environmental health and safety and fully comply with the Regulatory Performa of the State of New Mexico, OCD regarding this disposal action culminating in permanent closure of the White City 8 drilling pit.

Potential, temporary contamination from the White City 8 drilling pit site, should any exist, resulted solely from oil and gas production activities. Potential contaminates of concern are typical mid to high-level concentrations of brines, typical polymers (such as xanthium gum and starch) and in general, drilling mud and fluids remaining upon completion of said drilling operations.

Area land use is primarily ranching with domestic pasturage and oil and gas production activities. The UPC White City 8 drilling pit is located in an area wherein groundwater depth to surface data is shown on the State of New Mexico, State Engineer's web site as ranging between 20 and 40 feet. Further, in conjunction with their normal online databank, the State of New Mexico, OCD is cross-referencing with a groundwater map titled "Eddy County Depth to Groundwater", produced by Wayne Johnson at Chevron/Texaco, dated 9 February 2005. This map does not show elevation definition (flat representation) but does indicate groundwater depth in this area to range between the mid 20 feet to the low 40 feet elevations, which directs the Operator's disposal activity to follow disposal practices for a water sensitive designation to ensure compliant environmental performance and reduction of liability.

Consequently, as an option to haul off, UPC has engaged in a coring program to investigate the actual depth to groundwater in the specific area to be impacted by an *insitu* pit for purposes of the disposal of drilling fines. This drilling program substantiates groundwater located in this specific area is not present at a depth of 70 feet following a 72 hour recharge period which showed no water after three days. This area is extremely rocky and drilling activity found completely dry soil and rock through out the seventy feet of core.

Consequently, *insitu* disposal shall be engaged in accordance with the conditions of the approved Form C-144. It is the belief of UPC that compliant environmental performance and reduction of liability in this area pursuant to New Mexico; OCD regulations can be achieved with *insitu* disposal predicated on the evidentiary data heretofore presented. Further, should future Regulatory Performa mandate additional action or should the Operator choose to take additional action, the *insitu* option, in this case, (1) limits the environmental impact in general, (2) allows the Operator/government immediate access to said liability, (3) contains said material within the Operator's lease boundary and (4) in the event evidence of water is discovered during the digging of the *insitu* pit, all actions would cease and New Mexico, OCD would immediately be notified that a solidification or a haul off was necessary, unless the Operator could demonstrate that other environmental conditions justified a continuation of the insitu plan.

This compliance action shall strictly apply the State of New Mexico, OCD standards, i.e. clean-up level for the White City 8 drilling pit shall meet the less than 100 ppm of TPH, ND for BTEX and the less than 250 ppm of chlorides unless approved otherwise and substantiated by background information documented to be higher than the above cited indices.

CLOSURE PLAN

Prior to commencement of closure activities, the UPC contractor will contact One-Call for line spot clearance confirming the State of New Mexico, OCD is in agreement with the proposed "Closure Plan" for removal of approximately 2,500 bbl. of liquid followed by the removal of all fines (drill cuttings) assuming (1) these fines have sufficiently dried allowing for maneuverability of heavy equipment in the pit area or (2) mixing shall occur in order to attain sufficient dryness of said fines prior to deposit into the *insitu* 20 ml HDPE liner, enabling *insitu* burial application to take place and final pit closure.

Environmental health and safety regulations mandate control of pit volumes at all times. Thus, the liquid material was pumped off as needed and properly disposed of during active drilling operations in September 2006. Water accumulated since this time is either due to liquid material not completely hauled from actual drilling operations or precipitation. This water has subsequently been hauled from the location and properly disposed of in accordance with OCD Regulatory Performa.

- Contractor shall mobilize to the White City 8 drilling pit site located approximately 20 miles southwest of Loving, New Mexico (see Form C-144) accessing via County Road 774. Personnel and heavy equipment necessary to provide for the initiation and completion of remediation activities presented above shall be engaged as is appropriate to the mandated exercise.

- No remediation activity shall occur off the existing pad or already disturbed areas as authorized by the APD and approved Best Management Practices (BMP's). UPC shall consider weather conditions and necessary equipment positioning to provide a clear area for adequate staging for site control and safety compliance, ensuring operations shall be compliant with New Mexico, OCD Regulatory Performa.

- The White City 8 drilling pit is currently double lined by a12ml HDPE liner, which shall be removed by heavy equipment and disposed of with the drilling fines *inistu* pursuant to New Mexico, OCD requirements. *Insitu* actions provide for the encasement of all drilling pit contents in a 20 ml HDPE liner formed into a rectangular box-like shape and placed vertically to a depth sufficient to provide three foot of ground cover, which shall be eventually contoured to match the surrounding terrain. Prior to the installation of the 20ml HDPE liner, a felt industrial grade liner shall be installed to prevent against puncturing by the rocky environment.

- Once the burial trench/pit has been dug to sufficient dimensions to ensure proper placement of the pit contents, the track hoe shall begin to deposit pit materials within the secured "container" until all pit material has been placed within it. This 20ml HDPE liner "container" shall not be permanently sealed until after the drilling pit bottom has been sampled and approved for closure by the State of New Mexico, OCD. In the event more material must be harvested to achieve compliance, and said harvest shall increase the volume of the *insitu* material to such a degree that it will threaten the integrity of the "container" or potentially cause leakage to occur by reason of increased volume, an additional *insitu* 20ml HDPE liner "container" shall be placed either adjacent (when space and terrain permits) to or close to the existing "container". Such action will provide for reasonable assurance that no leakage will occur and maintain all contaminates within a specific geographic location within the lease boundary.

- Prior to initiation of backfilling, the Operator shall take appropriate samples of the pit area to ensure compliance with OCD Standards for remediation of possible soil chloride levels greater than 250 ppm. However if levels at the bottom of the drilling pit test out or acceptable range, a background set of samples shall be obtained for testing from the immediate vicinity and compared to those of the pit bottom. Simultaneously, more soil shall be removed from the "hot spots". Once completed, new data acquisition shall occur and sample results determine whether or not compliance has been reached in order to begin backfilling. No backfilling shall begin without authorization by the Eddy County, State of New Mexico, OCD.

- Backfilling of the White City 8 drilling pit shall be commensurate with existing topography and terrain relief features (contouring) so as to return it to its "near-as" previous condition, including a contour for moisture accumulation which prevents abnormal or unsustainable water impoundment resulting in erosive actions. Pursuant to the APD, the White City 8 site shall be seeded in compliance with BLM seed mixtures.

- The "Closure Plan" shall include a final report providing lab analysis of the backfill material, digital project photos and evidentiary narrative to support the completed disposition of the reclaimed White City 8 Federal Com. No. 1 drilling pit site.

Should you have questions, please call 432-682-4429 (office) or 432-425-6347 (cell).

Sincerely,

Kem McCready

Kem McCready
Operations Engineer

cc: Pit photos, State Engineer's Well Record, Amended C-144

Mr. Kem McCready
Operations Engineer
NADEL AND GUSSMAN PERMIAN, LLC
601 N. Marienfeld, Suite 508
Midland, TX 79701

26 December 2006

Mr. Mike Bratcher
OIL CONSERVATION DIVISION
1301 West Grand Avenue
Artesia, NM 88210

Re: White City 8 Federal Com. No. 1 State Engineer Groundwater Location Data

Dear Mr. Bratcher:

Pursuant to the State of New Mexico regulatory requirements for permanent closure of drilling pits, enclosed herewith is amended Form C-144 (original submitted by Unit Petroleum Company), digital photos of bore hole sampling for depth to high season groundwater level delineation for Nadel and Gussman Permian, LLC, hereinafter "NGP", acting on behalf of the Unit Petroleum Company for closure of the White City 8 Federal Com. No. 1 drilling pit (API No. 3001534785) located in U/L H S8 T25S, R27E, 1,460 FNL and 1,310 FEL of Eddy County, New Mexico

All drilling fine disposal information contained in the submittal of the White City 8 Federal Com. No. 1 Closure Plan is appended by the New Mexico Office of the State Engineer Well Record data pursuant to the boring of the White City 8 location due to the original filing of Form C-144 which states the water table to be at approximately 20 feet in this area. As detailed in the Closure Plan, groundwater was not present even at 70 feet given a three-day recharge observation time period. Consequently, UPC herewith amends the original C-144 by this submittal and most specifically addresses the disposal disposition, changing it from a haul off to an *insitu* burial on the White City 8 location.

On Monday, 9 October 2006, Butch's Rat Hole Service drilled a shallow 70' borehole, 18.0" in diameter adjacent to the existing drilling pit located in the area planned for an *insitu* pit, which produced no evidence of water or even any moisture at the bottom of the hole. Soil conditions were found dry to the point of being dusty to a depth of 70 feet. Consequently, the hole was left open for 72 hours and checked for moisture daily. After the 72 hour period ended, the borehole or test well was plugged and abandoned.

NGP intends to begin pit remediation on the White City 8 Federal Com. No. 1 on approximately 8 January with completion targeted for 8 February 2007 providing scheduling is not impacted by weather or environmental conditions, such as the rocky environment within which this pit is constructed.

Please inform us of your decision to approve the above said action as soon as possible. Your consideration of our attempt to verify the depth to groundwater in the area enabling *insitu* disposal is appreciated.

Should you have questions, please call 432-682-4429 (office) or 432-425-6347 (cell).

Sincerely,

Kem McCready
Operations Engineer

cc: Pit photos, Amended C-144, Closure Plan, State Engineer's Well Record

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

1. OWNER OF WELL
Name: Nadel + Gussman Permian Work Phone: 505 746-1428
Contact: Lee Ledbetter Home Phone: _____
Address: 2408 Freeman
City: Artesia NM 88210 State: NM Zip: 88210

2. LOCATION OF WELL (A,B,C, or D required. E or F if known)

A. _____ 1/4 _____ 1/4 _____ 1/4 Section: _____ Township: _____ Range: _____ N.M.P.M.
in Eddy County.

B. X = _____ feet, Y = _____ feet, N.M. Coordinate System
_____ Zone in the _____ Grant.
U.S.G.S. Quad Map _____

C. Latitude: _____ d _____ m _____ s Longitude: _____ d _____ m _____ s

D. East _____ (m), North _____ (m), UTM Zone 13, NAD _____ (27 or 83)

E. Tract No. _____, Map No. _____ of the _____ Hydrographic Survey

F. Lot No. _____, Block No. _____ of Unit/Tract _____ of the
_____ Subdivision recorded in _____ County.

G. Other: White City 8 Fed Com #1

H. Give State Engineer File Number if existing well: _____

I. On land owned by (required): _____

3. DRILLING CONTRACTOR
License Number: _____
Name: Butch's Rathole + Anchor Service Work Phone: 800-400-6294
Agent: _____ Home Phone: _____
Mailing Address: PO Box 1323
City: Levelland State: Tx zip: 79336

4. DRILLING RECORD:
Drilling began: Oct. 9/06; Completed: 10/9/06; Type tools: auger _____;
Size of hole: 12 in.; Total depth of well: 70 ft.;
Completed well is: shallow (shallow, artesian);
Depth to water upon completion of well: _____ ft.

File Number: _____ Trn Number: _____
Form: wr-20 page 1 of 4

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

5. PRINCIPAL WATER-BEARING STRATA:

Depth in Feet From	To	Thickness in feet	Description of water-bearing formation	Estimated Yield (GPM)

6. RECORD OF CASING

Diameter (inches)	Pounds per ft.	Threads per in.	Depth in Feet Top	Bottom	Length (feet)	Type of Shoe	Perforations From	To

7. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	To	Hole Diameter	Sacks of mud	Cubic Feet of Cement	Method of Placement

8. PLUGGING RECORD

Plugging Contractor: _____

Address: _____

Plugging Method: _____

Date Well Plugged: _____

Plugging approved by: _____
State Engineer Representative

No.	Depth in Feet Top	Bottom	Cubic Feet of Cement
1			
2			
3			
4			
5			

File Number: _____ Trn Number: _____

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

9. LOG OF HOLE:

Depth in feet From	To	Thickness in feet	Color and Type of Material Encountered
0	22	22	rock and caliche
22	60	38	sandy loam
60	70	10	sandy loam w/ clay

File Number: _____ Trn Number: _____

Form: wr-20 page 3 of 4

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

10. ADDITIONAL STATEMENTS OR EXPLANATIONS:

no water bearing formation to 70ft.

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

Driller _____ Date 10/30/06

FOR STATE ENGINEER USE ONLY

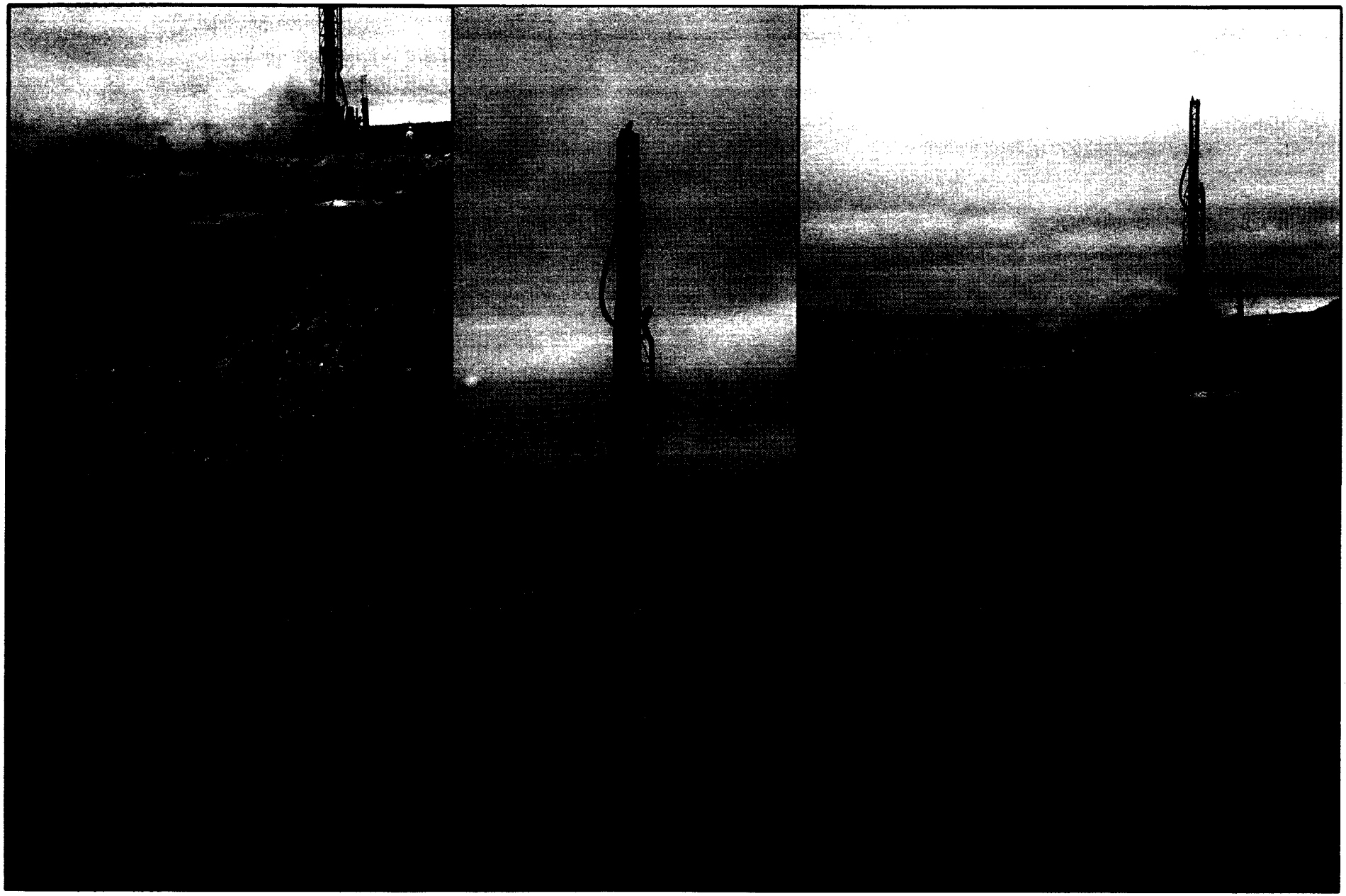
Quad ____ ,FWL ____ ,FSL ____ ,Use _____ ,Location No. _____

File Number: _____ Trn Number: _____

Form: wr-20 page 4 of 4

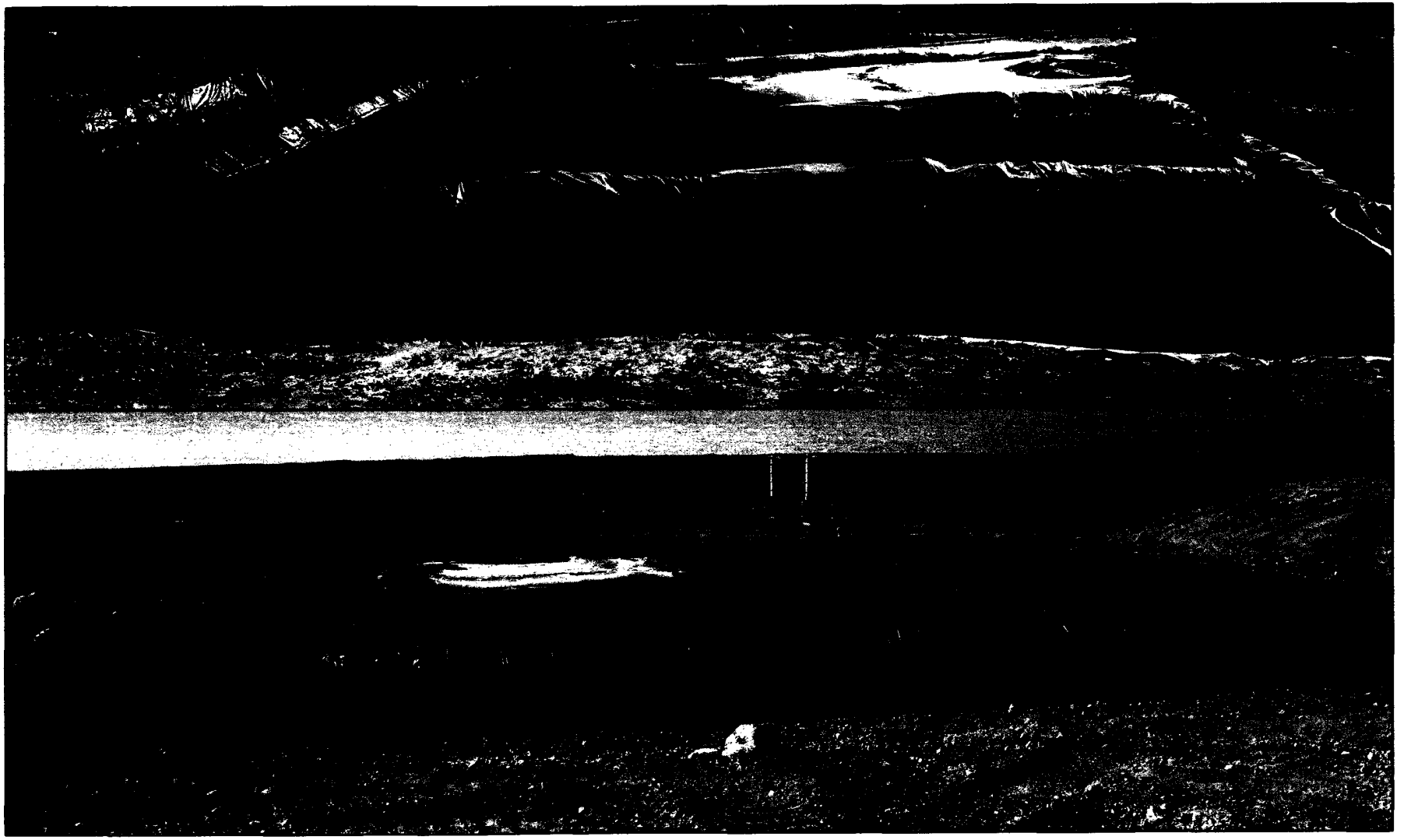
White City 8 Federal Com. No. 1

- Depth to Groundwater Field Verification -



NADEL AND GUSSMAN PERMIAN, L.L.C.

White City Federal Com. No. 1



Summary Report

Lee Ledbettter
Nadel & Gussman Permian LLC
Cheryl Winkler
2408 Freeman
Artesia, NM, 88210

30-015-34785

Report Date: February 28, 2007

Work Order: 7022714

Project Number: White City 8 Fed Com No. 1

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
117542	Background Comps N.S.	soil	2007-02-26	13:40	2007-02-27
117543	Background Comps E.W.	soil	2007-02-26	13:50	2007-02-27
117544	Resample Comps N.S Area Comp	soil	2007-02-26	13:00	2007-02-27
117545	Resample Comps E-W Area Comp	soil	2007-02-26	13:25	2007-02-27

Sample: 117542 - Background Comps N.S.

Param	Flag	Result	Units	RL
Chloride		<10.0	mg/Kg	5.00

Sample: 117543 - Background Comps E.W.

Param	Flag	Result	Units	RL
Chloride		**50.4**	mg/Kg	5.00

Sample: 117544 - Resample Comps N.S Area Comp

Param	Flag	Result	Units	RL
Chloride		**1930**	mg/Kg	5.00

Sample: 117545 - Resample Comps E-W Area Comp

Param	Flag	Result	Units	RL
Chloride		**896**	mg/Kg	5.00

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
200 East Sunset Road, Suite E El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

Lee Ledbettter
Nadel & Gussman Permian LLC
Cheryl Winkler
2408 Freeman
Artesia, NM, 88210

Report Date: February 28, 2007

Work Order: 7022714

Project Number: White City 8 Fed Com 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
117542	Background Comps N.S.	soil	2007-02-26	13:40	2007-02-27
117543	Background Comps E.W.	soil	2007-02-26	13:50	2007-02-27
117544	Resample Comps N.S Area Comp	soil	2007-02-26	13:00	2007-02-27
117545	Resample Comps E-W Area Comp	soil	2007-02-26	13:25	2007-02-27

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.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Analytical Report

Sample: 117542 - Background Comps N.S.

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	35086	Date Analyzed:	2007-02-27	Analyzed By:	JS
Prep Batch:	30448	Sample Preparation:	2007-02-27	Prepared By:	SM

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		<10.0		mg/Kg	2	5.00

Sample: 117543 - Background Comps E.W.

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	35086	Date Analyzed:	2007-02-27	Analyzed By:	JS
Prep Batch:	30448	Sample Preparation:	2007-02-27	Prepared By:	SM

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**50.4**		mg/Kg	10	5.00

Sample: 117544 - Resample Comps N.S Area Comp

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	35086	Date Analyzed:	2007-02-27	Analyzed By:	JS
Prep Batch:	30448	Sample Preparation:	2007-02-27	Prepared By:	SM

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**1930**		mg/Kg	200	5.00

Sample: 117545 - Resample Comps E-W Area Comp

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	35087	Date Analyzed:	2007-02-27	Analyzed By:	JS
Prep Batch:	30449	Sample Preparation:	2007-02-27	Prepared By:	SM

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**896**		mg/Kg	100	5.00

Method Blank (1) QC Batch: 35086

QC Batch:	35086	Date Analyzed:	2007-02-27	Analyzed By:	JS
Prep Batch:	30448	QC Preparation:	2007-02-27	Prepared By:	JS

Parameter	Flag	MDL Result	Units	RL
Chloride		<3.25	mg/Kg	5

Method Blank (1) QC Batch: 35087

QC Batch: 35087 Date Analyzed: 2007-02-27 Analyzed By: JS
Prep Batch: 30449 QC Preparation: 2007-02-27 Prepared By: JS

Parameter	Flag	MDL Result	Units	RL
Chloride		<3.25	mg/Kg	5

Laboratory Control Spike (LCS-1)

QC Batch: 35086 Date Analyzed: 2007-02-27 Analyzed By: JS
Prep Batch: 30448 QC Preparation: 2007-02-27 Prepared By: JS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	105	mg/Kg	1	100	<3.25	105	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	105	mg/Kg	1	100	<3.25	105	90 - 110	0	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 35087 Date Analyzed: 2007-02-27 Analyzed By: JS
Prep Batch: 30449 QC Preparation: 2007-02-27 Prepared By: JS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	99.8	mg/Kg	1	100	<3.25	100	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	95.6	mg/Kg	1	100	<3.25	96	90 - 110	4	20

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

Matrix Spike (MS-1) Spiked Sample: 117544

QC Batch: 35086 Date Analyzed: 2007-02-27 Analyzed By: JS
Prep Batch: 30448 QC Preparation: 2007-02-27 Prepared By: JS

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	[1]	1970	mg/Kg	200	20000	<650	10	84.6 - 117

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

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	[2]	1770	mg/Kg	200	20000	<650	9	84.6 - 117	11	20

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

Matrix Spike (MS-1) Spiked Sample: 117547

QC Batch: 35087 Date Analyzed: 2007-02-27 Analyzed By: JS
Prep Batch: 30449 QC Preparation: 2007-02-27 Prepared By: JS

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	[3]	334	mg/Kg	4	400	103.586	58	84.6 - 117

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

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	[4]	310	mg/Kg	4	400	103.586	52	84.6 - 117	7	20

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

Standard (ICV-1)

QC Batch: 35086 Date Analyzed: 2007-02-27 Analyzed By: JS

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	98.3	98	85 - 115	2007-02-27

Standard (CCV-1)

QC Batch: 35086 Date Analyzed: 2007-02-27 Analyzed By: JS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	102	102	85 - 115	2007-02-27

Standard (ICV-1)

QC Batch: 35087 Date Analyzed: 2007-02-27 Analyzed By: JS

[1]Matrix spike recoveries out of control limits due to matrix spike being diluted out. Use LCS/LCSD to demonstrate analysis is under control.
[2]Matrix spike recoveries out of control limits due to matrix spike being diluted out. Use LCS/LCSD to demonstrate analysis is under control.
[3]Matrix spike recoveries out of control limits due to matrix spike being diluted out. Use LCS/LCSD to demonstrate analysis is under control.
[4]Matrix spike recoveries out of control limits due to matrix spike being diluted out. Use LCS/LCSD to demonstrate analysis is under control.

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	100	100	85 - 115	2007-02-27

Standard (CCV-1)

QC Batch: 35087 Date Analyzed: 2007-02-27 Analyzed By: JS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.4	99	85 - 115	2007-02-27

ORIGINAL COPY

LAB Order ID # 7022714

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
Tel (806) 794-1296
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1 (800) 378-1296

5002 Basin Street, Suite A1
Midland, Texas 79703
Tel (432) 689-6301
Fax (432) 689-6313

200 East Sunset Rd., Suite E
El Paso, Texas 79922
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

6015 Harris Pkwy., Suite 110
Ft. Worth, Texas 76132
Tel (817) 201-5260

Company Name: Nadel & Gussman Permian, LLC

Phone #: 505-746-1428

Address: (Street, City, Zip) 2408 Freeman, Artesia, NM 88220

Fax #:

Contact Person: Lee Ledbetter

E-mail: lledbetter@naguss.com

Invoice to: (If different from above)

Project #: White City 8 Fed. Com. #1

Project Name:

Project Location (including state):

Sampler Signature:

ANALYSIS REQUEST (Circle or Specify Method No.)

MTBE 8021B / 602 / 8260B / 624; BTEX 8021B / 602 / 8260B / 624; TPH 418.1 / TX1005 / TX1005 Ext(C35); TPH 8015 GRO / DRO / TVHC; PAH 8270C / 625; Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7; TCLP Metals Ag As Ba Cd Cr Pb Se Hg; TCLP Volatiles; TCLP Semi Volatiles; TCLP Pesticides; RCI; GC/MS Vol. 8260B / 624; GC/MS Semi. Vol. 8270C / 625; PCB's 8082 / 608; Pesticides 8081A / 608; BOD, TSS, pH; Moisture Content; Turn Around Time if different from standard

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	MATRIX: SOIL	MATRIX: AIR	MATRIX: SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	SAMPLING: TIME	ANALYSIS REQUEST
~~117541~~	Background Comps.															Soil Cl₂ on all samples
42	N S	1			X								X	2/26/07	1340	
43	E.W	1			X								X	"	1350	Email results to:
~~44~~	Resample comps.															lledbetter@naguss.com
44	N-S area comp.	1			X								X	2/26/07	1300	mike.bratcher@state.nm.us
45	E-W " "	1			X								X		1325	cmwink@mac.com

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
C Winkler	2/26/07	1430			
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received at Laboratory by:	Date:	Time:
			[illegible]	2-27-07	11:00

LAB USE ONLY

Intact (Y) / N

Headspace Y / N

Temp 2.7 °

Log-in-Review

REMARKS: 24 Hr.

- [ ] Dry Weight Basis Required
- [ ] TRRP Report Required
- [ ] Check If Special Reporting Limits Are Needed

Carrier # [illegible]

Summary Report

Cheryl Winkler
Nadel & Gussman Permian LLC
Cheryl Winkler
2408 Freeman
Artesia, NM, 88210

30-015-34785

Report Date: February 23, 2007

Work Order: 7022322

Project Number: White City 8 Fed Com No. 1

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
117298	W Wall @ Floor 5 1/2 of Pit	soil	2007-02-22	13:00	2007-02-23
117299	E Wall @ Floor 5 1/2 of Pit	soil	2007-02-22	13:30	2007-02-23
117300	N Wall @ Floor 5 1/2 of Pit	soil	2007-02-22	13:45	2007-02-23
117301	S Wall @ Floor 5 1/2 of Pit	soil	2007-02-22	14:10	2007-02-23

Sample: 117298 - W Wall @ Floor 5 1/2 of Pit

Param	Flag	Result	Units	RL
Chloride		**1390**	mg/Kg	5.00

Sample: 117299 - E Wall @ Floor 5 1/2 of Pit

Param	Flag	Result	Units	RL
Chloride		**1490**	mg/Kg	5.00

Sample: 117300 - N Wall @ Floor 5 1/2 of Pit

Param	Flag	Result	Units	RL
Chloride		**1390**	mg/Kg	5.00

Sample: 117301 - S Wall @ Floor 5 1/2 of Pit

Param	Flag	Result	Units	RL
Chloride		**976**	mg/Kg	5.00

TRACEANALYSIS, INC.

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5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

Cheryl Winkler
Nadel & Gussman Permian LLC
Cheryl Winkler
2408 Freeman
Artesia, NM, 88210

Report Date: February 23, 2007

Work Order: 7022322

Project Number: White City 8 Fed Com 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
117298	W Wall @ Floor 5 1/2 of Pit	soil	2007-02-22	13:00	2007-02-23
117299	E Wall @ Floor 5 1/2 of Pit	soil	2007-02-22	13:30	2007-02-23
117300	N Wall @ Floor 5 1/2 of Pit	soil	2007-02-22	13:45	2007-02-23
117301	S Wall @ Floor 5 1/2 of Pit	soil	2007-02-22	14:10	2007-02-23

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.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Analytical Report

Sample: 117298 - W Wall @ Floor 5 1/2 of Pit

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	34945	Date Analyzed:	2007-02-23	Analyzed By:	JS
Prep Batch:	30322	Sample Preparation:	2007-02-23	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**1390**	mg/Kg	100	5.00

Sample: 117299 - E Wall @ Floor 5 1/2 of Pit

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	34945	Date Analyzed:	2007-02-23	Analyzed By:	JS
Prep Batch:	30322	Sample Preparation:	2007-02-23	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**1490**	mg/Kg	100	5.00

Sample: 117300 - N Wall @ Floor 5 1/2 of Pit

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	34945	Date Analyzed:	2007-02-23	Analyzed By:	JS
Prep Batch:	30322	Sample Preparation:	2007-02-23	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**1390**	mg/Kg	100	5.00

Sample: 117301 - S Wall @ Floor 5 1/2 of Pit

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	34945	Date Analyzed:	2007-02-23	Analyzed By:	JS
Prep Batch:	30322	Sample Preparation:	2007-02-23	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**976**	mg/Kg	100	5.00

Method Blank (1) QC Batch: 34945

QC Batch:	34945	Date Analyzed:	2007-02-23	Analyzed By:	JS
Prep Batch:	30322	QC Preparation:	2007-02-23	Prepared By:	JS

Parameter	Flag	MDL Result	Units	RL
Chloride		<3.25	mg/Kg	5

Laboratory Control Spike (LCS-1)

QC Batch: 34945 Date Analyzed: 2007-02-23 Analyzed By: JS
Prep Batch: 30322 QC Preparation: 2007-02-23 Prepared By: JS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	99.8	mg/Kg	1	100	<3.25	100	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	100	mg/Kg	1	100	<3.25	100	90 - 110	0	20

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

Matrix Spike (MS-1) Spiked Sample: 117301

QC Batch: 34945 Date Analyzed: 2007-02-23 Analyzed By: JS
Prep Batch: 30322 QC Preparation: 2007-02-23 Prepared By: JS

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	[1]	1250	mg/Kg	100	10000	976	3	84.6 - 117

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

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	[2]	1290	mg/Kg	100	10000	976	3	84.6 - 117	3	20

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

Standard (ICV-1)

QC Batch: 34945 Date Analyzed: 2007-02-23 Analyzed By: JS

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	100	100	85 - 115	2007-02-23

Standard (CCV-1)

QC Batch: 34945 Date Analyzed: 2007-02-23 Analyzed By: JS

[1]Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[2]Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.4	99	85 - 115	2007-02-23

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LAB Order ID # 7622322   Page 1 of 1

TraceAnalysis, Inc.

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Fax (915) 585-4944
1 (888) 588-3443

6015 Harris Pkwy., Suite 110
Ft. Worth, Texas 76132
Tel (817) 201-5260

Company Name: Nadel & Gussman Permian, LLC
Phone #: 505-746-1428
Address: (Street, City, Zip) 2408 Freeman, Artesia, NM 88210
Fax #:
Contact Person: Lee Ledbetter
E-mail: lledbetter@naguss.com
Invoice to: (If different from above)
Project #: White City 8 Fed. Com. #1
Project Name:
Project Location (including state):
Sampler Signature:

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	WATER	SOIL	AIR	SLUDGE	HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	DATE	TIME	Analysis requested	Turn Around Time if different from standard	Hold
117298	W wall ? floor S½ of pit	1			X								X	2/22/07	1300	Soil Cl/2 only on all samples	X	
99	E " " "	1			X								X	↓	1330			
300	N " " "	1			X								X	↓	1345	Email to:		
301	S " " "	1			X								X	↓	1410			

Analysis columns: MTBE 8021B / 602 / 8260B / 624; BTEX 8021B / 602 / 8260B / 624; TPH 418.1 / TX1005 / TX1005 Ext(C35); TPH 8015 GRO / DRO / TVHC; PAH 8270C / 625; Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7; TCLP Metals Ag As Ba Cd Cr Pb Se Hg; TCLP Volatiles; TCLP Semi Volatiles; TCLP Pesticides; RCI; GC/MS Vol. 8260B / 624; GC/MS Semi. Vol. 8270C / 625; PCB's 8082 / 608; Pesticides 8081A / 608; BOD, TSS, pH; Moisture Content; Turn Around Time if different from standard; Hold

all composites

lledbetter@naguss.com
Cawnkr@msn.com
mike.bratcher@state.nm.us

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
[signature]	2/22/07	1540			
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received at Laboratory by:	Date:	Time:
			[signature]	2/23/07	11:00

LAB USE ONLY
Intact (Y) N
Headspace Y / N
Temp 2.4 °
Log-in-Review [initials]

Carrier # 8584011294

REMARKS: 24 Hr.

☐ Dry Weight Basis Required
☐ TRRP Report Required
☐ Check If Special Reporting Limits Are Needed

TRACEANALYSIS, INC.

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

Analytical and Quality Control Report

Cheryl Winkler
Nadel & Gussman Permian LLC
Cheryl Winkler
2408 Freeman
Artesia, NM, 88210

30-015-34785

Report Date: January 31, 2007

Work Order: 7013014

Project Number: White City 8 Fed Com 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
115063	N Wall & Floor Comp	soil	2007-01-29	14:00	2007-01-30
115064	S Wall & Floor Comp	soil	2007-01-29	14:20	2007-01-30
115065	E Wall & Floor Comp	soil	2007-01-29	14:40	2007-01-30
115066	W Wall & Floor Comp	soil	2007-01-29	15:00	2007-01-30
115067	Bench Comp	soil	2007-01-29	15:20	2007-01-30

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.

Michael Abel

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Analytical Report

Sample: 115063 - N Wall & Floor Comp

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	34139	Date Analyzed:	2007-01-30	Analyzed By:	SM
Prep Batch:	29626	Sample Preparation:	2007-01-30	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		<100	mg/Kg	20	5.00

Sample: 115064 - S Wall & Floor Comp

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	34140	Date Analyzed:	2007-01-30	Analyzed By:	WB
Prep Batch:	29628	Sample Preparation:	2007-01-30	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**1580**	mg/Kg	200	5.00

Sample: 115065 - E Wall & Floor Comp

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	34140	Date Analyzed:	2007-01-30	Analyzed By:	WB
Prep Batch:	29628	Sample Preparation:	2007-01-30	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**154**	mg/Kg	20	5.00

Sample: 115066 - W Wall & Floor Comp

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	34140	Date Analyzed:	2007-01-30	Analyzed By:	WB
Prep Batch:	29628	Sample Preparation:	2007-01-30	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**1080**	mg/Kg	200	5.00

Sample: 115067 - Bench Comp

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	34140	Date Analyzed:	2007-01-30	Analyzed By:	WB
Prep Batch:	29628	Sample Preparation:	2007-01-30	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**1410**	mg/Kg	200	5.00

Method Blank (1) QC Batch: 34139

QC Batch:	34139	Date Analyzed:	2007-01-30	Analyzed By:	SM
Prep Batch:	29626	QC Preparation:	2007-01-30	Prepared By:	SM

Parameter	Flag	MDL Result	Units	RL
Chloride		<3.25	mg/Kg	5

Method Blank (1) QC Batch: 34140

QC Batch:	34140	Date Analyzed:	2007-01-30	Analyzed By:	WB
Prep Batch:	29628	QC Preparation:	2007-01-30	Prepared By:	SM

Parameter	Flag	MDL Result	Units	RL
Chloride		<3.25	mg/Kg	5

Laboratory Control Spike (LCS-1)

QC Batch:	34139	Date Analyzed:	2007-01-30	Analyzed By:	SM
Prep Batch:	29626	QC Preparation:	2007-01-30	Prepared By:	SM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	102	mg/Kg	1	100	<3.25	102	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	102	mg/Kg	1	100	<3.25	102	90 - 110	0	20

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

Laboratory Control Spike (LCS-1)

QC Batch:	34140	Date Analyzed:	2007-01-30	Analyzed By:	WB
Prep Batch:	29628	QC Preparation:	2007-01-30	Prepared By:	SM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	101	mg/Kg	1	100	<3.25	101	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	97.9	mg/Kg	1	100	<3.25	98	90 - 110	3	20

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

Matrix Spike (MS-1) Spiked Sample: 115063

QC Batch: 34139 Date Analyzed: 2007-01-30 Analyzed By: SM
Prep Batch: 29626 QC Preparation: 2007-01-30 Prepared By: SM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	1920	mg/Kg	20	2000	<65.0	96	84.6 - 117

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	1860	mg/Kg	20	2000	<65.0	93	84.6 - 117	3	20

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

Matrix Spike (MS-1) Spiked Sample: 115073

QC Batch: 34140 Date Analyzed: 2007-01-30 Analyzed By: WB
Prep Batch: 29628 QC Preparation: 2007-01-30 Prepared By: SM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride [1]	2440	mg/Kg	20	2000	<65.0	122	84.6 - 117

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride [2]	2560	mg/Kg	20	2000	<65.0	128	84.6 - 117	5	20

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

Standard (ICV-1)

QC Batch: 34139 Date Analyzed: 2007-01-30 Analyzed By: SM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	101	101	85 - 115	2007-01-30

Standard (CCV-1)

QC Batch: 34139 Date Analyzed: 2007-01-30 Analyzed By: SM

[1]Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[2]Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.3	99	85 - 115	2007-01-30

Standard (ICV-1)

QC Batch: 34140 Date Analyzed: 2007-01-30 Analyzed By: WB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.0	99	85 - 115	2007-01-30

Standard (CCV-1)

QC Batch: 34140 Date Analyzed: 2007-01-30 Analyzed By: WB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	101	101	85 - 115	2007-01-30

LAB Order ID # 7013017 Page _____ of _____

TraceAnalysis, Inc.

email: lab@traceanalysis.com

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200 East Sunset Rd., Suite E, El Paso, Texas 79922, Tel (915) 585-3443, Fax (915) 585-4944, 1 (888) 588-3443
6015 Harris Pkwy., Suite 110, Ft. Worth, Texas 76132, Tel (817) 201-5260

Company Name: Nadel & Gussman Permian, LLC Phone #: 505-476-1428
Address: (Street, City, Zip) 2408 Freeman, Artesia, NM 88210 Fax #:
Contact Person: Lee Ledbetter E-mail: lledbetter@nagussi.com
Invoice to: (If different from above)
Project #: White City 8 Fed Com. No. 1 Project Name:
Project Location (including state): Sampler Signature:

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
115003	N wall & floor comp	1			X								X	4/29/07	1400
04	S " " "	1			X								X		1420
05	E " " "	1			X								X		1440
06	W " " "	1			X								X		1500
07	Bench Comp	1			X								X		1520

MTBE 8021B / 602 / 8260B / 624
BTEX 8021B / 602 / 8260B / 624
TPH 418.1 / TX1005 / TX1005 Ext(C35)
TPH 8015 GRO / DRO / TVHC
PAH 8270C / 625
Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7
TCLP Metals Ag As Ba Cd Cr Pb Se Hg
TCLP Volatiles
TCLP Semi Volatiles
TCLP Pesticides
RCI
GC/MS Vol. 8260B / 624
GC/MS Semi. Vol. 8270C / 625
PCB's 8082 / 608
Pesticides 8081A / 608
BOD, TSS, pH
Moisture Content
Turn Around Time if different from standard
Hold

Soil Chlorides on all samples

Email results to:
lledbetter@nagussi.com
Mike.bratcher@state.nm.us
Lwinker@msn.com

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Cheryl Hinkle	4/29/07	1753			
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received at Laboratory by: Rebecca Ripley	Date: 4-30-07	Time: 12:00

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

LAB USE ONLY
Intact Y / N
Headspace Y / N
Temp RT °C
Log-in-Review

REMARKS: 24 Hr. Turnaround

- ☐ Dry Weight Basis Required
- ☐ TRRP Report Required
- ☐ Check If Special Reporting Limits Are Needed

Carrier # Bus GLT 355540 8