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

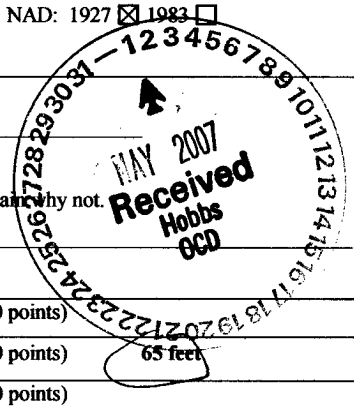
Form C-144
June 1, 2004

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: Range Operating New Mexico, Inc Telephone: (505) 631-0926 e-mail address: salmager@rangeresources.com
Address: P.O. Box 2510 Hobbs, NM 88241
Facility or well name: Christmas 28 #1 API#: 30-025-38078 U/L or Qtr/Qtr UL-E Sec 28 T 22S R 37E
County: Lea Latitude N 32° 21.900' Longitude W 103° 10.528' NAD: 1927 ☒ 1983 ☐
Surface Owner: Federal ☒ State ☐ Private ☐ Indian ☐



Pit	**Below-grade tank**	
Type: Drilling ☒ Production ☐ Disposal ☐ Workover ☐ Emergency ☐ Lined ☒ Unlined ☐ Liner type: Synthetic ☒ Thickness 20 mil Clay ☐ Pit Volume ____ bbl	Volume: ____ bbl Type of fluid: ____ Construction material: ____ Double-walled, with leak detection? Yes ☐ If not, explain why not.	
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet **50 feet or more, but less than 100 feet** 100 feet or more	(20 points) (10 points) **65 feet** (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) **X**
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) (0 points) **X**
	Ranking Score (Total Points)	**10**

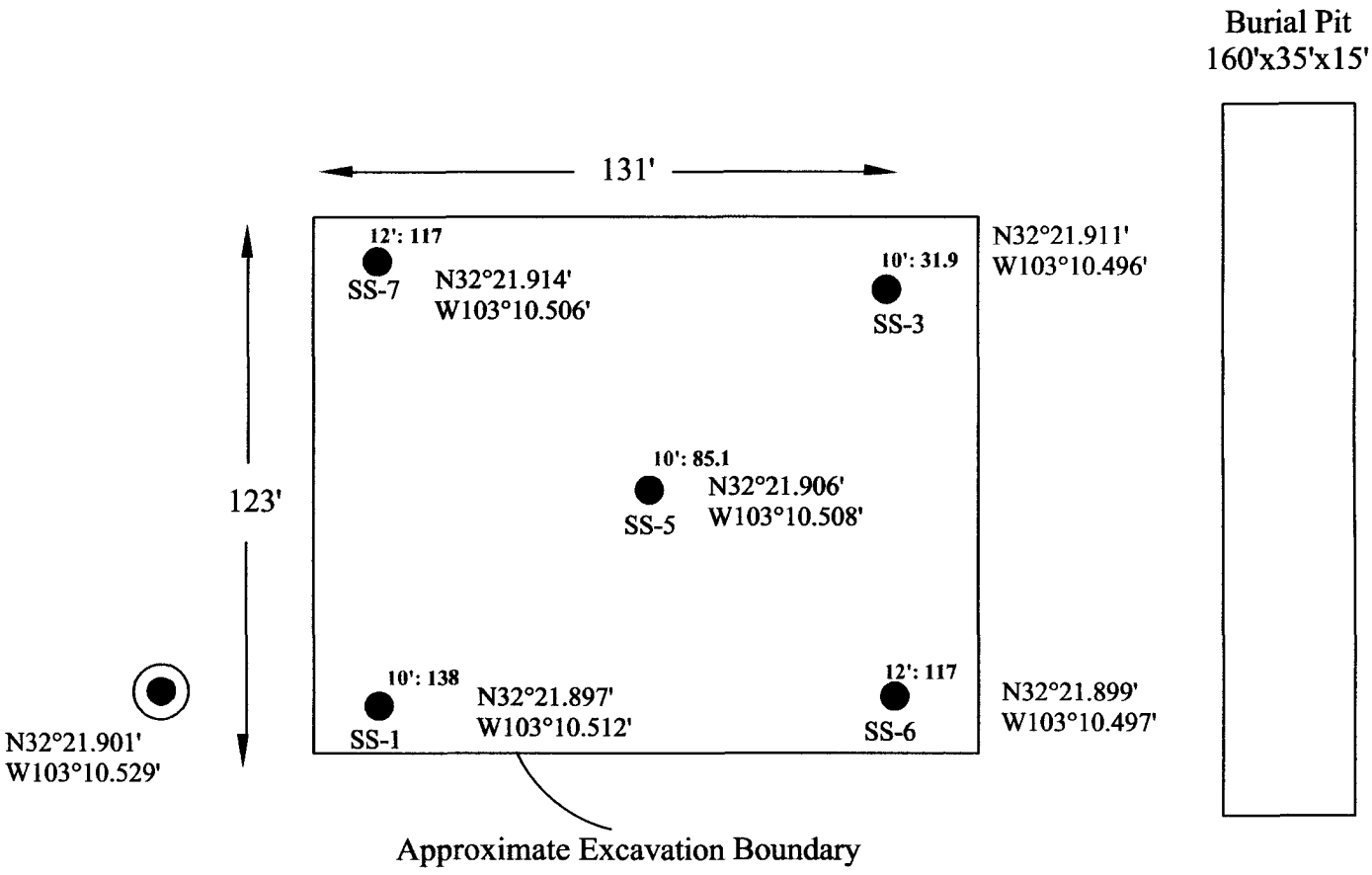
If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if your are burying in place) onsite ☒ offsite ☐ If offsite, name of facility Sundance. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☐ 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: All fluids were removed from the pit. The burial pit was constructed adjacent to the drilling pit. The burial pit was lined with a 12 ml liner. Impacted material was placed in the burial pit, completely encapsulated and capped with a 20 ml liner, and covered with 3 feet of topsoil to grade.
Hydrocarbon impacted soil was disposed at an NMOCD approved facility.
Samples were collected below the liner and results are submitted with this final C144 form.

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 ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.**

Date: April 20, 2007
Printed Name/Title: Steve Almager, Production Supervisor Signature ____
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 Environ. Engr Signature ____ Date: 5.1.07



LEGEND

10': 21.3 SS-1 — Soil sample location taken at a depth , feet, with chloride concentration (mg/kg).

Wellhead location

N32°21.897' W103°10.512' — GPS Coordinates

N W E S

DATE:	04-18-07
NAME:	CHH
PROJECT NO.:	6-0142

FIGURE # 1

LEA COUNTY, NEW MEXICO

Range Resources

Christmas 28-1
U.L.E., Sec.28, T22S, R37E

Site Drawing
(Not to Scale)

Ocotillo

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

A Xenco Laboratories Company

Analytical Report

Prepared for:

Cindy Crain

Ocotillo Environmental

2125 French Dr.

Hobbs, NM 88201

Project: Range- Christmas

Project Number: None Given

Location: Eunice, NM

Lab Order Number: 7D04001

Report Date: 04/04/07

Ocotillo Environmental	Project: Range- Christmas	Fax: (432) 367-6747
2125 French Dr.	Project Number: None Given	
Hobbs NM, 88201	Project Manager: Cindy Crain	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-1	7D04001-01	Soil	04/02/07 00:00	04-03-2007 17:45
SS-2	7D04001-02	Soil	04/02/07 00:00	04-03-2007 17:45
SS-3	7D04001-03	Soil	04/02/07 00:00	04-03-2007 17:45
SS-4	7D04001-04	Soil	04/02/07 00:00	04-03-2007 17:45
SS-5	7D04001-05	Soil	04/02/07 00:00	04-03-2007 17:45

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Ocotillo Environmental	Project: Range- Christmas	Fax: (432) 367-6747
2125 French Dr.	Project Number: None Given	
Hobbs NM, 88201	Project Manager: Cindy Crain	

General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-1 (7D04001-01) Soil									
Chloride	**138**	20.0	mg/kg Wet	2	ED70410	04/04/07	04/04/07	SW 846 9253	
SS-2 (7D04001-02) Soil									
Chloride	**266**	20.0	mg/kg Wet	2	ED70410	04/04/07	04/04/07	SW 846 9253	
SS-3 (7D04001-03) Soil									
Chloride	**31.9**	20.0	mg/kg Wet	2	ED70410	04/04/07	04/04/07	SW 846 9253	
SS-4 (7D04001-04) Soil									
Chloride	**362**	20.0	mg/kg Wet	2	ED70410	04/04/07	04/04/07	SW 846 9253	
SS-5 (7D04001-05) Soil									
Chloride	**85.1**	20.0	mg/kg Wet	2	ED70410	04/04/07	04/04/07	SW 846 9253	

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Ocotillo Environmental
2125 French Dr.
Hobbs NM, 88201

Project: Range- Christmas
Project Number: None Given
Project Manager: Cindy Crain

Fax: (432) 367-6747

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED70410 - General Preparation (WetChem)										
Blank (ED70410-BLK1)				Prepared & Analyzed: 04/04/07						
Chloride	ND	10.0	mg/kg Wet							
LCS (ED70410-BS1)				Prepared & Analyzed: 04/04/07						
Chloride	95.7	5.00	mg/kg Wet	100		95.7	80-120			
Matrix Spike (ED70410-MS1)		**Source: 7D04001-01**		Prepared & Analyzed: 04/04/07						
Chloride	596	20.0	mg/kg Wet	500	138	91.6	80-120			
Matrix Spike Dup (ED70410-MSD1)		**Source: 7D04001-01**		Prepared & Analyzed: 04/04/07						
Chloride	617	20.0	mg/kg Wet	500	138	95.8	80-120	3.46	20	
Reference (ED70410-SRM1)				Prepared & Analyzed: 04/04/07						
Chloride	53.2	5.00	mg/kg Wet	50.0		106	80-120			

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Ocotillo Environmental	Project: Range- Christmas	Fax: (432) 367-6747
2125 French Dr.	Project Number: None Given	
Hobbs NM, 88201	Project Manager: Cindy Crain	

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: _____ Date: 4/4/07

Brent Barron, Laboratory Director/Corp. Technical Director
Celey D. Keene, Org. Tech Director
Raland K. Tuttle, Laboratory Consultant

James Mathis, QA/QC Officer
Jeanne Mc Murrey, Inorg. Tech Director

Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

Phone: 432-563-1800
Fax: 432-563-1713

Project Manager: Cindy Crain

Company Name: Ocotillo Environmental, LLC

Company Address: 2125 French Drive, P.O. Box 1816

City/State/Zip: Hobbs, NM 88241

Telephone No: (505) 441-7244 Fax No: (432) 367-6747

Sampler Signature: Cassie Hobbs e-mail: cindy.crain@gmail.com

Project Name: Range - Christmas

Project #:

Project Loc: Eunice, NM

PO #:

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #: 7D04001

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW=Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TPH: 418.1 8015M 8015B	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	RUSH TAT (Pre-Scheduled) 48, 72 hrs	Standard TAT
280144							40 26 less 1										TCLP: / TOTAL:												
-01	SS-1	10'	10'	4/2/07			1							✓		S				✓								✓	
-02	SS-2	"	"	"			1							✓						✓								✓	
-03	SS-3	"	"	"			1							✓						✓								✓	
-04	SS-4	"	"	"			1							✓		✓				✓								✓	
-05	SS-5	"	"	"			1							✓						✓								✓	

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
Cassie Hobbs	4/3/07	5:45 pm			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT:	4/3/07	5:45

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N (N/A)
Labels on container(s) id on lid	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N (N/A)
Sample Hand Delivered by Sampler/Client Rep. ?	(Y)	N
by Courier? UPS DHL FedEx Lone Star	Y	N

Temperature Upon Receipt: 15.0 °C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Ocotillo Env.

Date/ Time: 04-03-07 @1745

Lab ID # : 7D04001

Initials: JMM

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	Yes	No	15.0 °C	
#2	Shipping container in good condition?	Yes	No	N/A	
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present N/A	
#4	Custody Seals intact on sample bottles/ container?	Yes	No	Not Present	
#5	Chain of Custody present?	Yes	No		
#6	Sample instructions complete of Chain of Custody?	Yes	No		
#7	Chain of Custody signed when relinquished/ received?	Yes	No		
#8	Chain of Custody agrees with sample label(s)?	Yes	No	ID written on Cont./ Lid	
#9	Container label(s) legible and intact?	Yes	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	Yes	No		
#11	Containers supplied by ELOT?	Yes	No		
#12	Samples in proper container/ bottle?	Yes	No	See Below	
#13	Samples properly preserved?	Yes	No	See Below	
#14	Sample bottles intact?	Yes	No		
#15	Preservations documented on Chain of Custody?	Yes	No		
#16	Containers documented on Chain of Custody?	Yes	No		
#17	Sufficient sample amount for indicated test(s)?	Yes	No	See Below	
#18	All samples received within sufficient hold time?	Yes	No	See Below	
#19	Subcontract of sample(s)?	Yes	No	Not Applicable	
#20	VOC samples have zero headspace?	Yes	No	Not Applicable	

Variance Documentation

Contact: _____ Contacted by: _____ Date/ Time: _____

Regarding: _____

Corrective Action Taken:

Check all that Apply:

- ☐ See attached e-mail/ fax
- ☐ Client understands and would like to proceed with analysis
- ☐ Cooling process had begun shortly after sampling event

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

A Xenco Laboratories Company

Analytical Report

Prepared for:

Cindy Crain

Ocotillo Environmental

2125 French Dr.

Hobbs, NM 88201

Project: Range- Christmas A #1

Project Number: None Given

Location: Eunice, NM

Lab Order Number: 7D05007

Report Date: 04/06/07

Ocotillo Environmental	Project: Range- Christmas A #1	Fax: (432) 367-6747
2125 French Dr.	Project Number: None Given	
Hobbs NM, 88201	Project Manager: Cindy Crain	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-6	7D05007-01	Soil	04/05/07 06:30	04-05-2007 12:27
SS-7	7D05007-02	Soil	04/05/07 06:35	04-05-2007 12:27

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Ocotillo Environmental	Project: Range- Christmas A #1	Fax: (432) 367-6747
2125 French Dr.	Project Number: None Given	
Hobbs NM, 88201	Project Manager: Cindy Crain	

General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-6 (7D05007-01) Soil									
Chloride	**117**	20.0	mg/kg Wet	2	ED70610	04/06/07	04/06/07	SW 846 9253	
SS-7 (7D05007-02) Soil									
Chloride	**117**	20.0	mg/kg Wet	2	ED70610	04/06/07	04/06/07	SW 846 9253	

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Ocotillo Environmental	Project: Range- Christmas A #1	Fax: (432) 367-6747
2125 French Dr.	Project Number: None Given	
Hobbs NM, 88201	Project Manager: Cindy Crain	

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED70610 - General Preparation (WetChem)										
Blank (ED70610-BLK1)				Prepared & Analyzed: 04/06/07						
Chloride	ND	20.0	mg/kg Wet							
LCS (ED70610-BS1)				Prepared & Analyzed: 04/06/07						
Chloride	95.7	10.0	mg/kg Wet	100		95.7	80-120			
Matrix Spike (ED70610-MS1)		**Source: 7D04009-01**		Prepared & Analyzed: 04/06/07						
Chloride	6170	200	mg/kg Wet	5000	21.3	123	80-120			QM-10
Matrix Spike Dup (ED70610-MSD1)		**Source: 7D04009-01**		Prepared & Analyzed: 04/06/07						
Chloride	5960	200	mg/kg Wet	5000	21.3	119	80-120	3.46	20	
Reference (ED70610-SRM1)				Prepared & Analyzed: 04/06/07						
Chloride	53.2	10.0	mg/kg Wet	50.0		106	80-120			

Ocotillo Environmental
2125 French Dr.
Hobbs NM, 88201

Project: Range- Christmas A #1
Project Number: None Given
Project Manager: Cindy Crain

Fax: (432) 367-6747

Notes and Definitions

QM-10	LCS/LCSD were analyzed in place of MS/MSD.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: _____ Date: 4/6/07

Brent Barron, Laboratory Director/Corp. Technical Director
Celey D. Keene, Org. Tech Director
Raland K. Tuttle, Laboratory Consultant

James Mathis, QA/QC Officer
Jeanne Mc Murrey, Inorg. Tech Director

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

Phone: 432-563-1800
Fax: 432-563-1713

Project Manager: Cindy Crain

Company Name: Ocotillo Environmental, LLC

Company Address: 2125 French Drive, P.O. Box 1816

City/State/Zip: Hobbs, NM 88241

Telephone No: (505) 441-7244 Fax No: (432) 367-6747

Sampler Signature: C Hobbs e-mail: cindy.crain@gmail.com

Project Name: Range - Christmas A #1

Project #:

Project Loc: Eunice, NM

PO #:

Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only)

ORDER #: 7205007

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW=Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TPH: 418.1 8015M 8015B	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	RUSH TAT (Pre-Schedule) (24, 48, 72 hrs)	Standard TAT
01	SS-6	12'	12'	4/5/07	6:30		1							✓		S				✓								✓	
02	SS-7	"	"	"	6:35		1							✓		↓				✓								✓	

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
Cassie Hobbs	4/5/07	12:27			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
			Andrea Lam	11-5-07	12:27

Laboratory Comments:

Sample Containers Intact?	(Y)	N
VOCs Free of Headspace?	Y	N/A
Labels on container(s)	Y	N written on lid
Custody seals on container(s)	Y	N/A
Custody seals on cooler(s)	Y	N/A
Sample Hand Delivered	(Y)	N
by Sampler/Client Rep.?	(Y)	N
by Courier? UPS DHL FedEx Lone Star		

4oz glass

Temperature Upon Receipt: 9.5 °C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Ocotillo Env. LLC

Date/ Time: 4-5-07 12:27

Lab ID # : 7D05007

Initials: AL

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	Yes	No	19.5 °C	
#2	Shipping container in good condition?	Yes	No		
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present	
#4	Custody Seals intact on sample bottles/ container?	Yes	No	Not Present	
#5	Chain of Custody present?	Yes	No		
#6	Sample instructions complete of Chain of Custody?	Yes	No		
#7	Chain of Custody signed when relinquished/ received?	Yes	No		
#8	Chain of Custody agrees with sample label(s)?	Yes	No	ID written on Cont./Lid	
#9	Container label(s) legible and intact?	Yes	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	Yes	No		
#11	Containers supplied by ELOT?	Yes	No		
#12	Samples in proper container/ bottle?	Yes	No	See Below	
#13	Samples properly preserved?	Yes	No	See Below	
#14	Sample bottles intact?	Yes	No		
#15	Preservations documented on Chain of Custody?	Yes	No		
#16	Containers documented on Chain of Custody?	Yes	No		
#17	Sufficient sample amount for indicated test(s)?	Yes	No	See Below	
#18	All samples received within sufficient hold time?	Yes	No	See Below	
#19	Subcontract of sample(s)?	Yes	No	Not Applicable	
#20	VOC samples have zero headspace?	Yes	No	Not Applicable	

Variance Documentation

Contact: _____ Contacted by: _____ Date/ Time: _____

Regarding: _____

Corrective Action Taken:

Check all that Apply:

- ☐ See attached e-mail/ fax
- ☐ Client understands and would like to proceed with analysis
- ☐ Cooling process had begun shortly after sampling event