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

pc 8/3/06

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: New Mexico "M" State 52 #: 30-025-37613 U/L or Qtr/Qtr J Sec 28 T 22S R 37E
County: Lea Latitude N 32° 23.244' Longitude W 103°, 11.686' 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.

Received
Hobbs
OCD

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)** 69 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)
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)
	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.

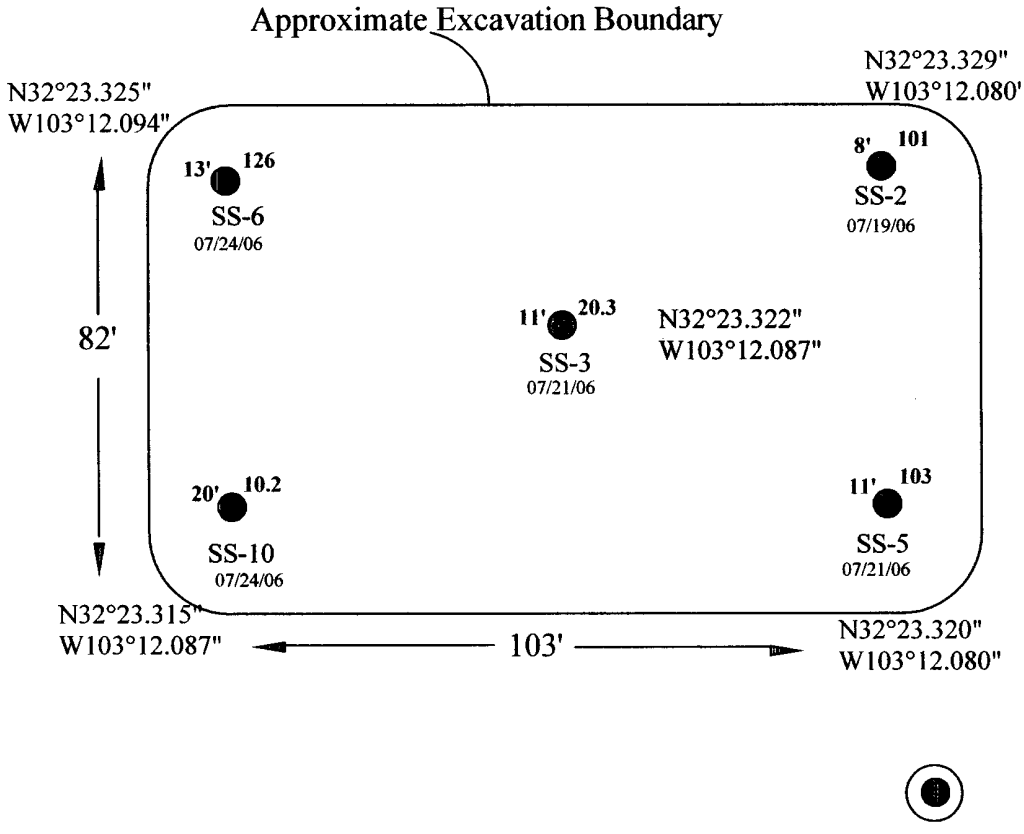
Additional Comments: All fluids were removed from the pit. The burial pit was constructed adjacent to the drilling pit. The burial pit was lined with a 12 ml liner. Impacted material was placed in the burial pit, completely encapsulated and capped with a 20 ml liner, and covered with 3 feet of topsoil to grade. Impacted soil was disposed at an NMOCD approved facility.
Attached you will find a drawing indicating where samples were collected below the liner.

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: 8-2-06
Printed Name/Title: Steve Almager, Production Supervisor Signature: S Almager

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 L Johnson Envir Engr Signature L Johnson Date: 8-2-06



LEGEND

8' 101
SS-2
07/19/06
Date and soil sample location taken at a depth bgs, with chloride concentration (mg/kg).

Wellhead location

N32°23.329"
W103°12.080"
GPS Coordinates

N
W E
S

DATE:	07-27-06
NAME:	CHH
PROJECT NO.:	6-0124

FIGURE # 1

LEA COUNTY, NEW MEXICO

Range Resources

New Mexico "M" State #52
U.L.J, Sec.28, T22S, R37E

Site Drawing
(Not to Scale)

Ocotillo ENVIRONMENTAL

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Cindy Crain

Ocotillo Environmental

2125 French Dr.

Hobbs, NM 88201

Project: New Mexico State M #52

Project Number: 6-0124

Location: Eunice, NM

Lab Order Number: 6G25006

Report Date: 07/26/06

Ocotillo Environmental	Project: New Mexico State M #52	Fax: (432) 367-6747
2125 French Dr.	Project Number: 6-0124	
Hobbs NM, 88201	Project Manager: Cindy Crain	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-6	6G25006-01	Soil	07/24/06 10:45	07/24/06 17:58
SS-7	6G25006-02	Soil	07/24/06 10:48	07/24/06 17:58
SS-8	6G25006-03	Soil	07/24/06 12:35	07/24/06 17:58
SS-9	6G25006-04	Soil	07/24/06 13:40	07/24/06 17:58
SS-10	6G25006-05	Soil	07/24/06 14:55	07/24/06 17:58

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

Ocotillo Environmental	Project: New Mexico State M #52	Fax: (432) 367-6747
2125 French Dr.	Project Number: 6-0124	
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 (6G25006-01) Soil									
Chloride	**126**	5.00	mg/kg	10	EG62505	07/25/06	07/26/06	EPA 300.0	
SS-7 (6G25006-02) Soil									
Chloride	**23600**	500	mg/kg	1000	EG62505	07/25/06	07/26/06	EPA 300.0	
SS-8 (6G25006-03) Soil									
Chloride	**21500**	500	mg/kg	1000	EG62505	07/25/06	07/26/06	EPA 300.0	
SS-9 (6G25006-04) Soil									
Chloride	**17100**	250	mg/kg	500	EG62505	07/25/06	07/26/06	EPA 300.0	
SS-10 (6G25006-05) Soil									
Chloride	**10.2**	5.00	mg/kg	10	EG62505	07/25/06	07/26/06	EPA 300.0	

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

Ocotillo Environmental	Project: New Mexico State M #52	Fax: (432) 367-6747
2125 French Dr.	Project Number: 6-0124	
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 EG62505 - Water Extraction										
Blank (EG62505-BLK1)				Prepared: 07/25/06 Analyzed: 07/26/06						
Chloride	ND	0.500	mg/kg							
LCS (EG62505-BS1)				Prepared: 07/25/06 Analyzed: 07/26/06						
Chloride	10.2	0.500	mg/kg	10.0		102	80-120			
Calibration Check (EG62505-CCV1)				Prepared: 07/25/06 Analyzed: 07/26/06						
Chloride	9.99		mg/L	10.0		99.9	80-120			
Duplicate (EG62505-DUP1)		**Source: 6G21018-01**		Prepared: 07/25/06 Analyzed: 07/26/06						
Chloride	9730	250	mg/kg		9750			0.205	20	
Duplicate (EG62505-DUP2)		**Source: 6G25004-06**		Prepared: 07/25/06 Analyzed: 07/26/06						
Chloride	55.4	5.00	mg/kg		58.1			4.76	20	
Matrix Spike (EG62505-MS1)		**Source: 6G21018-01**		Prepared: 07/25/06 Analyzed: 07/26/06						
Chloride	15300	250	mg/kg	5000	9750	111	80-120			
Matrix Spike (EG62505-MS2)		**Source: 6G25004-06**		Prepared: 07/25/06 Analyzed: 07/26/06						
Chloride	156	5.00	mg/kg	100	58.1	97.9	80-120			

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

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: 7-27-06

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer
Jeanne Mc Murrey, Inorg. Tech Director
LaTasha Cornish, Chemist
Sandra Sanchez, Lab Tech.

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
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: NM "M" State #52
Project #: 6-0124
Project Loc: Eunice, NM
PO #:
Report Format: ☐ Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #: 606250060

4oz glass

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	No. 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 1005 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	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	13'	13'	7/24/06	10:45	1	✓								S					✓									✓
02	SS-7	13'	13'		10:48	1	✓								S					✓									✓
03	SS-8	15'	15'		12:35	1	✓								S					✓									✓
04	SS-9	20'	20'		13:40	1	✓								S					✓									✓
05	SS-10	25'	25'	↓	14:55	1	✓								S					✓									✓

Special Instructions:

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

Temperature Upon Receipt: 4.0 °C

Relinquished by:	Date	Time	Received by:	Date	Time
Cassie Hobbs	7/24/06	5:58			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
			Kalen Key	7-24-06	1758

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Acotillo Env.

Date/ Time: 7/24/06 17:58

Lab ID # : 6G25006

Initials: CK

Sample Receipt Checklist

					Client Initials
1	Temperature of container/ cooler?	Yes	No	4 °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 documetned 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	VOC samples have zero headspace?	Yes	No	~~Not Applicable~~	

Variance Documentation

Contact: Cassie Hobbs Contacted by: Jeanne McMurrey Date/ Time: 07-25-06 @0907

Regarding: #8 Sample label discrepancy on SS-8

Corrective Action Taken:

Client wants to reference COC

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

Jeanne McMurrey

From: "Cassie Hobbs" <cassie.hobbs@gmail.com>
To: "Jeanne McMurrey" <jeanne@elabtexas.com>
Sent: Tuesday, July 25, 2006 9:07 AM
Subject: [Norton AntiSpam] Re: NM M State #52 samples

Good Morning Jeanne,

The sample label should be SS-8.
Sorry about that!

Cassie

On 7/25/06, **Jeanne McMurrey** <jeanne@elabtexas.com> wrote:

Good Morning Cindy & Cassie,
We received your samples for NM M State #52. There is a discrepancy on the labeling of one sample.

COC	Label	Sample Time
SS-8	SS-11	1235

The other four samples match. Please let me know what you would like to reference.

Thanks,
Jeanne

Jeanne McMurrey
Environmental Lab of Texas I, Ltd.
12600 West I-20 East
Odessa, Texas 79765
432-563-1800

--

--

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Cindy Crain

Ocotillo Environmental

2125 French Dr.

Hobbs, NM 88201

Project: New Mexico State M #52

Project Number: 6-0124

Location: Eunice

Lab Order Number: 6G21016

Report Date: 07/26/06

Ocotillo Environmental	Project: New Mexico State M #52	Fax: (432) 367-6747
2125 French Dr.	Project Number: 6-0124	
Hobbs NM, 88201	Project Manager: Cindy Crain	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-1	6G21016-01	Soil	07/21/06 11:05	07/21/06 16:31
SS-2	6G21016-02	Soil	07/21/06 11:09	07/21/06 16:31
SS-3	6G21016-03	Soil	07/21/06 11:13	07/21/06 16:31
SS-4	6G21016-04	Soil	07/21/06 11:17	07/21/06 16:31
SS-5	6G21016-05	Soil	07/21/06 11:21	07/21/06 16:31

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

Ocotillo Environmental	Project: New Mexico State M #52	Fax: (432) 367-6747
2125 French Dr.	Project Number: 6-0124	
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 (6G21016-01) Soil									
Chloride	**2370**	50.0	mg/kg	100	EG62503	07/25/06	07/25/06	EPA 300.0	
SS-2 (6G21016-02) Soil									
Chloride	ND	5.00	mg/kg	10	EG62503	07/25/06	07/25/06	EPA 300.0	
SS-3 (6G21016-03) Soil									
Chloride	**20.3**	5.00	mg/kg	10	EG62503	07/25/06	07/25/06	EPA 300.0	
SS-4 (6G21016-04) Soil									
Chloride	**20400**	500	mg/kg	1000	EG62503	07/25/06	07/25/06	EPA 300.0	
SS-5 (6G21016-05) Soil									
Chloride	**103**	5.00	mg/kg	10	EG62503	07/25/06	07/25/06	EPA 300.0	

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

Ocotillo Environmental	Project: New Mexico State M #52	Fax: (432) 367-6747
2125 French Dr.	Project Number: 6-0124	
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 EG62503 - Water Extraction										
Blank (EG62503-BLK1)				Prepared & Analyzed: 07/25/06						
Chloride	ND	0.500	mg/kg							
LCS (EG62503-BS1)				Prepared & Analyzed: 07/25/06						
Chloride	8.83	0.500	mg/kg	10.0		88.3	80-120			
Calibration Check (EG62503-CCV1)				Prepared & Analyzed: 07/25/06						
Chloride	10.0		mg/L	10.0		100	80-120			
Duplicate (EG62503-DUP1)		**Source: 6G21010-06**		Prepared & Analyzed: 07/25/06						
Chloride	1540	25.0	mg/kg		1640			6.29	20	
Duplicate (EG62503-DUP2)		**Source: 6G21017-01**		Prepared & Analyzed: 07/25/06						
Chloride	1590	50.0	mg/kg		1520			4.50	20	
Matrix Spike (EG62503-MS1)		**Source: 6G21010-06**		Prepared & Analyzed: 07/25/06						
Chloride	2110	25.0	mg/kg	500	1640	94.0	80-120			
Matrix Spike (EG62503-MS2)		**Source: 6G21017-01**		Prepared & Analyzed: 07/25/06						
Chloride	2690	50.0	mg/kg	1000	1520	117	80-120			

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

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: Raland K Tuttle Date: 7-26-06

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer
Jeanne Mc Murrey, Inorg. Tech Director
LaTasha Cornish, Chemist
Sandra Sanchez, Lab Tech.

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
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: "M" State # 52
Project #: 6-0124
Project Loc: Eunice
PO #:
Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only) ORDER #: 606210160

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	No. 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 1005 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	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-1			7/21/06	11:05	1	✓								S					✓									✓
02	SS-2			"	11:09	1	✓								S					✓									✓
03	SS-3			"	11:13	1	✓								S					✓									✓
04	SS-4			"	11:17	1	✓								S					✓									✓
05	SS-5			"	11:21	1	✓								S					✓									✓
	9																												

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
Cassie Hobbs	7/21/06	4:31			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
			Carie Kelly	7/21/06	4:31

Laboratory Comments:

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

Temperature Upon Receipt: 5.0 °C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Ocotillo Env.

Date/ Time: 7/21/06 4:31

Lab ID # : 662/06

Initials: CK

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	Yes	No	5.0 °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 documetned 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	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

Analytical Report

Prepared for:

Cindy Crain

Ocotillo Environmental

2125 French Dr.

Hobbs, NM 88201

Project: New Mexico State M #52

Project Number: None Given

Location: Eunice

Lab Order Number: 6G19002

Report Date: 07/21/06

Ocotillo Environmental	Project: New Mexico State M #52	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	6G19002-01	Soil	07/19/06 08:57	07/19/06 14:50
SS-2	6G19002-02	Soil	07/19/06 09:00	07/19/06 14:50
SS-3	6G19002-03	Soil	07/19/06 09:05	07/19/06 14:50
SS-4	6G19002-04	Soil	07/19/06 09:11	07/19/06 14:50
SS-5	6G19002-05	Soil	07/19/06 09:08	07/19/06 14:50

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Ocotillo Environmental	Project: New Mexico State M #52	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 (6G19002-01) Soil									
Chloride	**6290**	100	mg/kg	200	EG62108	07/21/06	07/21/06	EPA 300.0	
SS-2 (6G19002-02) Soil									
Chloride	**101**	5.00	mg/kg	10	EG62108	07/21/06	07/21/06	EPA 300.0	
SS-3 (6G19002-03) Soil									
Chloride	**2520**	50.0	mg/kg	100	EG62108	07/21/06	07/21/06	EPA 300.0	
SS-4 (6G19002-04) Soil									
Chloride	**25000**	500	mg/kg	1000	EG62108	07/21/06	07/21/06	EPA 300.0	
SS-5 (6G19002-05) Soil									
Chloride	**24800**	500	mg/kg	1000	EG62108	07/21/06	07/21/06	EPA 300.0	

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Ocotillo Environmental	Project: New Mexico State M #52	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 EG62108 - General Preparation (WetChem)										
Blank (EG62108-BLK1)				Prepared & Analyzed: 07/21/06						
Chloride	0.0710	0.500	mg/kg							J
LCS (EG62108-BS1)				Prepared & Analyzed: 07/21/06						
Chloride	10.2	0.500	mg/kg	10.0		102	80-120			
Calibration Check (EG62108-CCV1)				Prepared & Analyzed: 07/21/06						
Chloride	10.2		mg/L	10.0		102	80-120			
Duplicate (EG62108-DUP1)		**Source: 6G19003-01**		Prepared & Analyzed: 07/21/06						
Chloride	14500	500	mg/kg		14700			1.37	20	
Matrix Spike (EG62108-MS1)		**Source: 6G19003-01**		Prepared & Analyzed: 07/21/06						
Chloride	25600	500	mg/kg	10000	14700	109	80-120			

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Ocotillo Environmental
2125 French Dr.
Hobbs NM, 88201

Project: New Mexico State M #52
Project Number: None Given
Project Manager: Cindy Crain

Fax: (432) 367-6747

Notes and Definitions

J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
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: Raland K Tuttle Date: 7-21-06

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer
Jeanne Mc Murrey, Inorg. Tech Director
LaTasha Cornish, Chemist
Sandra Sanchez, Lab Tech.

Environmental Lab of Texas

12600 West I-20 East
Odessa, Texas 79765
Phone: 432-563-1800
Fax: 432-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Cindy Crain
Company Name: Ocotillo Environmental
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
Email: cindy.crain@gmail.com

Project Name: New Mexico State "M" #52
Project #:
Project Loc: Eunice
PO #:

6/9/902

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	HNO_3	HCl	NaOH	H_2SO_4	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify):	Analyze For: TCLP: TPH: 418.1 8015M 1005 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	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)	Standard TAT
-01	SS-1	7/19/06	8:57	1	X									V				V									V
-02	SS-2	"	9:00	1	X									V				V									V
-03	SS-3	"	9:05	1	X									V				V									V
-04	SS-4	"	9:11	1	X									V				V									V
-05	SS-5	"	9:08	1	X									V				V									V

Special Instructions:

Sample Containers Intact? Y N
Labels on container? Y N
Custody Seals: Containers / Cooler —
Temperature Upon Receipt: 5.5

Laboratory Comments:
4oz glass

Relinquished by:	Date	Time	Received by:	Date	Time
Cassie Hobbs	7/19/06	2:50			
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
			Carrie Reese	7/19/06	2:50

Environmental Lab of Texas
Variance / Corrective Action Report – Sample Log-In

Client: Ocotillo

Date/Time: 4/19/06 2:50

Order #: 0604902

Initials: CK

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	5.5 C
Shipping container/cooler in good condition?	~~Yes~~	No	
Custody Seals intact on shipping container/cooler?	Yes	No	~~Not present~~
Custody Seals intact on sample bottles?	Yes	No	~~Not present~~
Chain of custody present?	~~Yes~~	No	
Sample Instructions complete on Chain of Custody?	~~Yes~~	No	
Chain of Custody signed when relinquished and received?	~~Yes~~	No	
Chain of custody agrees with sample label(s)	Yes	No	ID on lid
Container labels legible and intact?	Yes	No	—
Sample Matrix and properties same as on chain of custody?	~~Yes~~	No	
Samples in proper container/bottle?	~~Yes~~	No	
Samples properly preserved?	~~Yes~~	No	
Sample bottles intact?	~~Yes~~	No	
Preservations documented on Chain of Custody?	~~Yes~~	No	
Containers documented on Chain of Custody?	~~Yes~~	No	
Sufficient sample amount for indicated test?	~~Yes~~	No	
All samples received within sufficient hold time?	~~Yes~~	No	
VOC samples have zero headspace?	Yes	No	~~Not Apolicable~~

Other observations:

Variance Documentation:

Contact Person: - Date/Time: Contacted by:

Regarding:

Corrective Action Taken:

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Cindy Crain

Ocotillo Environmental

2125 French Dr.

Hobbs, NM 88201

Project: New Mexico State M #52

Project Number: None Given

Location: Eunice

Lab Order Number: 6G17009

Report Date: 07/20/06

Ocotillo Environmental	Project: New Mexico State M #52	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	6G17009-01	Soil	07/17/06 12:27	07/17/06 16:10
SS-2	6G17009-02	Soil	07/17/06 12:29	07/17/06 16:10
SS-3	6G17009-03	Soil	07/17/06 12:31	07/17/06 16:10
SS-4	6G17009-04	Soil	07/17/06 12:34	07/17/06 16:10
SS-5	6G17009-05	Soil	07/17/06 12:37	07/17/06 16:10

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

Ocotillo Environmental	Project: New Mexico State M #52	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 (6G17009-01) Soil									
Chloride	**22300**	500	mg/kg	1000	EG61812	07/18/06	07/19/06	EPA 300.0	
SS-2 (6G17009-02) Soil									
Chloride	**16900**	500	mg/kg	1000	EG61812	07/18/06	07/19/06	EPA 300.0	
SS-3 (6G17009-03) Soil									
Chloride	**1740**	25.0	mg/kg	50	EG61812	07/18/06	07/19/06	EPA 300.0	
SS-4 (6G17009-04) Soil									
Chloride	**18200**	500	mg/kg	1000	EG61812	07/18/06	07/19/06	EPA 300.0	
SS-5 (6G17009-05) Soil									
Chloride	**2800**	25.0	mg/kg	50	EG61812	07/18/06	07/19/06	EPA 300.0	

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Ocotillo Environmental
2125 French Dr.
Hobbs NM, 88201

Project: New Mexico State M #52
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 EG61812 - Water Extraction										
Blank (EG61812-BLK1)				Prepared: 07/18/06 Analyzed: 07/19/06						
Chloride	ND	0.500	mg/kg							
LCS (EG61812-BS1)				Prepared: 07/18/06 Analyzed: 07/19/06						
Chloride	10.4	0.500	mg/kg	10.0		104	80-120			
Calibration Check (EG61812-CCV1)				Prepared: 07/18/06 Analyzed: 07/19/06						
Chloride	10.1		mg/L	10.0		101	80-120			
Duplicate (EG61812-DUP1)		**Source: 6G17008-01**		Prepared: 07/18/06 Analyzed: 07/19/06						
Chloride	185	5.00	mg/kg		179			3.30	20	
Duplicate (EG61812-DUP2)		**Source: 6G17008-11**		Prepared: 07/18/06 Analyzed: 07/19/06						
Chloride	635	0.500	mg/kg		639			0.628	20	
Matrix Spike (EG61812-MS1)		**Source: 6G17008-01**		Prepared & Analyzed: 07/19/06						
Chloride	291	5.00	mg/kg	100	179	112	80-120			
Matrix Spike (EG61812-MS2)		**Source: 6G17008-11**		Prepared & Analyzed: 07/19/06						
Chloride	877	10.0	mg/kg	200	639	119	80-120			S-07

Notes and Definitions

S-07	Recovery outside Laboratory historical or method prescribed limits.
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: Raland K Tuttle Date: 7-20-06

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer
Jeanne Mc Murrey, Inorg. Tech Director
LaTasha Cornish, Chemist
Sandra Sanchez, Lab Tech.

Environmental Lab of Texas

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Phone: 432-563-1800
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CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Cindy Crain
Company Name: Ocotillo Environmental
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
Email: cindy.crain@gmail.com

Project Name: New Mexico State "M" #52
Project #:
Project Loc: Eunice
PO #:

LAB # (lab use only) 6617009	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	HNO3	HCl	NaOH	H2SO4	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify):	Analyze For: TCLP: TPH: 418.1 8015M 1005 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	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)	Standard TAT
-01	SS-1	7/17/06	12:27	1	X									V				V									V
-02	SS-2	"	12:29	1	X									V				V									V
-03	SS-3	"	12:31	1	X									V				V									V
-04	SS-4	"	12:34	1	X									V				V									V
-05	SS-5	"	12:37	1	X									V				V									V

Special Instructions:

Sample Containers Intact? Y N
Labels on container? Y N
Custody Seals: Containers / Cooler —
Temperature Upon Receipt: 4.5

Laboratory Comments: 4oz glass

Relinquished by:	Date	Time	Received by:	Date	Time
Cassie Hobbs	7/17/06	4:10			
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
			Cassie Rex	7/17/06	4:10

Environmental Lab of Texas
Variance / Corrective Action Report – Sample Log-In

Client: Ocotillo

Date/Time: 7/17/04 4:10

Order #: 0607170009

Initials: CK

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	4.5 C
Shipping container/cooler in good condition?	~~Yes~~	No	
Custody Seals intact on shipping container/cooler?	Yes	No	~~Not present~~
Custody Seals intact on sample bottles?	Yes	No	~~Not present~~
Chain of custody present?	~~Yes~~	No	
Sample Instructions complete on Chain of Custody?	~~Yes~~	No	
Chain of Custody signed when relinquished and received?	~~Yes~~	No	
Chain of custody agrees with sample label(s)	Yes	No	ID on jar
Container labels legible and intact?	Yes	No	
Sample Matrix and properties same as on chain of custody?	~~Yes~~	No	
Samples in proper container/bottle?	~~Yes~~	No	
Samples properly preserved?	~~Yes~~	No	
Sample bottles intact?	~~Yes~~	No	
Preservations documented on Chain of Custody?	~~Yes~~	No	
Containers documented on Chain of Custody?	~~Yes~~	No	
Sufficient sample amount for indicated test?	~~Yes~~	No	
All samples received within sufficient hold time?	~~Yes~~	No	
VOC samples have zero headspace?	Yes	No	~~Not Applicable~~

Other observations:

Variance Documentation:

Contact Person: - Date/Time: Contacted by:

Regarding:

Corrective Action Taken: