

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

State of New Mexico
Energy Minerals and Natural Resources

Form C- 144
June 1, 2004

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

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

Pit or Below-Grade Tank Registration or Closure

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

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

Operator: <u>Apache Corporation</u> Telephone: <u>(432) 527-3311</u> e-mail address: <u>Harold Swain@usa.apachecorp.com</u>		
Address: <u>P.O. Box 848</u> <u>Wink, Texas</u> <u>79789</u>		
Facility or well name: <u>Hawk "A-5" Well #3</u> #: <u>30-025-37380</u> U/L or Qtr/Qtr <u>O</u> Sec <u>5</u> T <u>21S</u> R <u>37E</u>		
County: <u>Lea</u> Latitude <u>N 32 deg 30.095'</u> Longitude <u>W 103 deg 10.932'</u>		
Surface Owner: Federal <input type="checkbox"/> State <input type="checkbox"/> Private <input type="checkbox"/> Indian <input checked="" type="checkbox"/>		
Pit Type: Drilling <input checked="" type="checkbox"/> Production <input type="checkbox"/> Disposal <input type="checkbox"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input checked="" type="checkbox"/> Unlined <input type="checkbox"/> Liner type: Synthetic <input checked="" type="checkbox"/> Thickness <u>12</u> mil Clay <input type="checkbox"/> Pit Volume <u>7000</u> bbl	Below-grade tank Volume. _____ bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not: _____	RECEIVED JAN 23 2008 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) 95 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 you are burying in place) onsite ☒ offsite ☐ 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 ☐ Yes ☒ If yes, show depth below ground surface 95.6 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 and lined with a 12 ml liner.
The liner and 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.
Samples were collected below the liner, and soil borings were installed at the NW and SW corners, the west side, the south side, and west of the burial pit. A drawing is attached that shows the boring locations. Laboratory results of all soil samples are also attached. A monitoring well was installed outside the SW corner of the pit and a groundwater sample was collected on 4/11/07. The laboratory reported a chloride concentration in groundwater of 75.4 mg/L. Sample results are attached. A 20 mil plastic liner was installed at a depth of 12 feet bgs, and the pit was backfilled with clean soil on 10/10/07, contoured to surface grade and re-seeded. Additional excavated soil was hauled to an approved NMOCD disposal facility. Water is being pumped from the monitoring well, and the well will continue to be monitored for four quarters.

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: January 9, 2008

Printed Name/Title: Cindy Crain/Geologist - As Agent for Apache Corp.

Signature Cindy Crain

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 CHRIS WILLIAMS / DIST. SUPV Signature Chris Williams

Date: 1/23/08

Verbal Approval: Apache Hawk A-5 #3 Drilling Pit Backfill and GW Monitoring Request

 [Print all](#)

☆ @ Cindy Crain to Larry,, Harold, Mark

show details 12:33 pm (0 minutes ago)  [Reply](#)

Dear Larry,

This email serves as written verification of your verbal approval on 9/19/07 to backfill the Apache Corp. Hawk A-5 #3 drilling pit.

The pit will be lined at the current depth of 12 feet below ground surface with a 40 ml plastic liner and covered with clean soil to surface. The surface will be contoured to grade and re-seeded.

The temporary monitoring well (MW-1) will be periodically pumped in order to draw any nearby impacted groundwater to the well. As the reported chloride concentrations in the MW-1 groundwater sample were below 100 mg/kg, the pumped water will be used for either irrigation or for livestock.

Monitoring well (MW-1) will be monitored and sampled quarterly for four (4) quarters, beginning in October, 2007.

If you have any questions or need additional information, please either call me at (505) 441-7244 or email me at Cindy.Crain@gmail.com.

Thank you,
Cindy Crain

P.S. Mark - Would you please make sure that Larry gets this message, as his inbox was full earlier in the day today.

Thank you! Cindy

----- Forwarded message -----

From: **Cindy Crain** <cindy.crain@gmail.com>

Date: Aug 31, 2007 9:01 AM

Subject: Request for Approval: Apache Hawk A-5 #3 Drilling Pit Backfill and GW Monitoring Request

To: "Johnson, Larry, EMNRD" <larry.johnson@state.nm.us>

Cc: "Swain, Harold" <Harold.Swain@usa.apachecorp.com>

Dear Larry,

On July 25, 2007, soil borings were installed at the Apache Hawk A-5 #3 drilling pit in order to provide vertical delineation of chloride impacts to soil. The pit is located in Unit Letter O, Section 5, Township 21 South, Range 37 East, Lea County, New Mexico.

Boring BH-3 was advanced at the previously drilled location (at the center of the west side of the pit), with collection of soil samples beginning at approximately 55 to 57 feet bgs. Samples were collected every five feet thereafter until field chloride analysis reported concentrations less than 250 mg/kg at a depth of approximately 90 to 92 feet bgs.

Soil boring BH-5 was installed 38 feet west of boring BH-3, and soil samples were collected at five foot intervals, from a depth of 5 to 50 feet bgs. All samples collected from boring BH-5 reported chloride concentrations below 250 mg/kg. The attached Table (2) provides a summary of the chloride concentrations in soil at borings BH-1 through BH-5. Table 3 provides a summary of chloride concentrations in soil at boring MW-1 (located approximately 15 feet southwest of the southwest corner of the pit). Figure 2 shows the soil boring and monitoring well locations.

A groundwater sample was collected from MW-1 on April 11, 2007, and submitted to Environmental Lab for

chloride analysis. Depth to groundwater was measured at 92.15 feet bgs. The chloride concentration in the groundwater sample was 75.4 mg/L.

The 115' x 105' excavation is currently at a depth of 12' bgs. Apache proposes to install a clay liner from a depth of 12 to 10 feet bgs and compact the clay to at least 95% proctor density. Upon receipt of satisfactory density testing, the remainder of the excavation (from 10 feet to surface) will be backfilled with caliche and graded to surface. Additionally, Apache proposes to monitor the well MW-1 for four quarters, beginning in September, 2007.

Prior to collecting a groundwater sample (in December, 2007; March, 2008; and June, 2008), the depth to groundwater will be measured and recorded. Approximately 5 gallons of water will be purged from the well, and a groundwater sample will be collected for chloride analysis. Upon receipt of laboratory results, the NMOCD will be notified if the chloride concentration is reported above 250 mg/L. If the chloride concentration in groundwater at well MW-1 remains below 250 mg/L for all four quarters, the well will be plugged according to NMOCD specifications. Following the fourth quarter monitoring event (June, 2008), all information will be submitted to your office with the final C144.

Your approval would be greatly appreciated. If approval is granted, Apache intends to proceed with the pit closure and monitoring of well MW-1 as soon as possible.

If you have any questions or need additional information, please either call me at (505) 441-7244 or email me at Cindy.Crain@gmail.com.

Thank you,

—

Cindy Crain
Environmental Manager

Ocotillo Environmental
2125 French Drive
Hobbs, NM 88240

Office (505) 393-6371
Cell (505) 441-7244
Fax (432) 272-0304

—

Cindy Crain
Environmental Manager

Ocotillo Environmental
2125 French Drive
Hobbs, NM 88240

Office (505) 393-6371
Cell (505) 441-7244
Fax (432) 272-0304

2 attachments — [Download all attachments](#)



Tables.xls

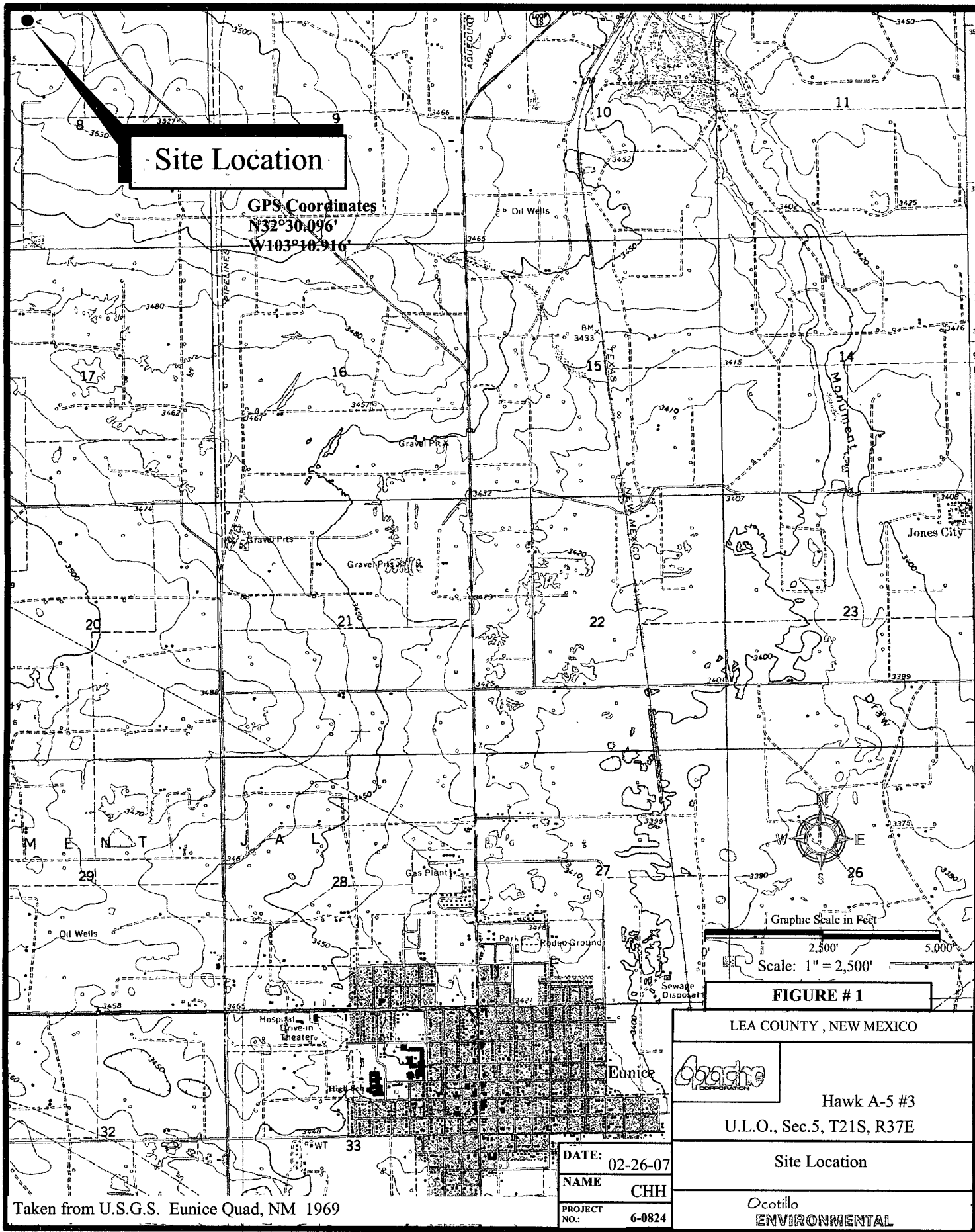
30K [View as HTML](#) [Open as a Google spreadsheet](#) [Download](#)



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186K [View as HTML](#) [Download](#)

[↩ Reply](#) [↩ Reply to all](#) [⇒ Forward](#)



Site Location

GPS Coordinates

N32°30.096'

W103°10.916'

FIGURE # 1

LEA COUNTY, NEW MEXICO



Hawk A-5 #3

U.L.O., Sec.5, T21S, R37E

Site Location

Ocotillo
ENVIRONMENTAL

DATE: 02-26-07

NAME CHH

PROJECT NO: 6-0824

Taken from U.S.G.S. Eunice Quad, NM 1969

Table 1: Summary of Laboratory Analysis of Soil Samples
Apache Hawk A-5 #3
Unit Letter O, Section 5, Township 21 South, Range 37 East
Lea County, New Mexico

Sample Date	Soil Sample Number	Soil Sample Location	Sample Depth (feet BGS)	Chloride (mg/kg)
WQCC Standard				250
1/30/07	SS-3	Center	6	99.1
1/30/07	SS-5	SW Corner	6	2,570
1/30/07	SS-6	SW Corner	9	9,820
1/30/07	SS-7	NE Corner	10	160
1/30/07	SS-8	NW Corner	10	12,000
1/30/07	SS-9	SE Corner	7.5	114
1/30/07	SS-10	NW Corner	12	10,900
1/31/07	SS-15	NW Corner	26	8,170
1/31/07	SS-17	NW Corner	30	13,000
1/31/07	SS-20	NW Corner	40	12,100

Notes:

1. BGS: Depth in feet below ground surface
2. mg/kg: Milligrams per kilogram

Analysis conducted by Environmental Lab of Texas, Odessa, TX

Table 2: Summary of Laboratory Analysis of Soil from Borings
Apache Hawk A-5 #3
Unit Letter O, Section 5, Township 21 South, Range 37 East
Lea County, New Mexico

Sample Date	Soil Sample Number	Sample Depth (feet BGS)	Chloride (mg/kg)
WQCC Standard			250
2/12/07	BH-1	15-17	6,890
		20-22	14,200
		25-27	10,600
		30-32	8,880
		35-37	9,140
		40-42	8,160
		45-47	4,880
		50-52	2,270
		55-57	1,700
		60-62	1,410
		65-67	545
		70-72	402
		75-77	357
		80-82	196
2/12/07	BH-2	45-47	721
		50-52	19
		55-57	28.3
		60-62	22.8
		65-67	15.2
6/12/07 7/25/07	BH-3	20-22	6,170
		25-27	10,000
		30-32	11,500
		35-37	17,400
		40-42	14,600
		45-47	12,600
		50-52	8,160
		55-57	5,718
		60-62	1,536
		65-67	1,200
		70-72	1,168
		75-77	864
		80-82	768
		85-87	560
		90-92	80
6/12/07	BH-4	20-22	256
		25-27	144
		30-32	256
		35-37	256
		40-42	192
		45-47	160
		50-52	128
7/25/07	BH-5	5-7	112
		10-12	144
		15-17	112
		20-22	128
		25-27	144
		30-32	96
		35-37	96
		40-42	96
		45-47	96
		50-52	64

1 BGS: Depth in feet below ground surface
2 mg/kg. Milligrams per kilogram

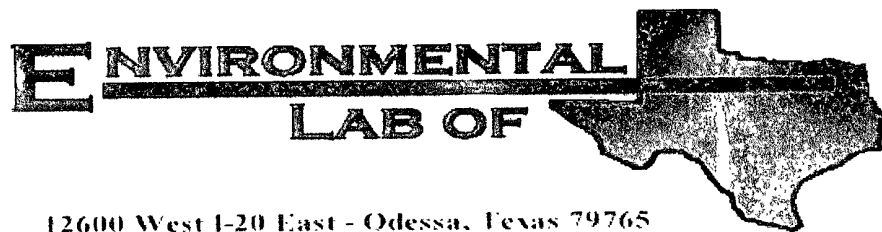
**Table 3: Summary of Laboratory Analysis of Soil from Monitoring Well
Apache Hawk A-5 #3
Unit Letter O, Section 5, Township 21 South, Range 37 East
Lea County, New Mexico**

Sample Date	Soil Sample Number	Sample Depth (feet BGS)	Chloride (mg/kg)
WQCC Standard			250
4/3/07	MW-1	0-2	213
		5-7	160
		10-12	85.1
		15-17	85.1
		20-22	85.1
		25-27	117
		30-32	95.7
		35-37	117
		40-42	106
		45-47	234
		50-52	42.5
		55-57	42.5
		60-62	31.9
		65-67	21.3
		70-72	21.3
		75-77	<20
		80-82	31.9
		85-87	31.9
		90-92	42.5
		95-97	21.3
		100-102	31.9

Analysis conducted by Environmental Lab of Texas, Odessa, TX

Notes:

1. BGS: Depth in feet below ground surface
2. mg/kg: Milligrams per kilogram



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: Apache- Hawk A-5 #3

Project Number: None Given

Location: Eunice, NM

Lab Order Number: 7B01012

Report Date: 02/06/07

Ocotillo Environmental
2125 French Dr
Hobbs NM, 88201

Project Apache- Hawk A-5 #3
Project Number None Given
Project Manager Cindy Crain

Fax (432) 367-6747

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-3	7B01012-01	Soil	01/30/07 07 40	02-01-2007 14 25
SS-5	7B01012-02	Soil	01/30/07 07 45	02-01-2007 14:25
SS-6	7B01012-03	Soil	01/30/07 08 35	02-01-2007 14:25
SS-7	7B01012-04	Soil	01/30/07 08.55	02-01-2007 14 25
SS-8	7B01012-05	Soil	01/30/07 09.00	02-01-2007 14 25
SS-9	7B01012-06	Soil	01/30/07 09:30	02-01-2007 14:25
SS-10	7B01012-07	Soil	01/30/07 10:20	02-01-2007 14.25

Ocotillo Environmental
2125 French Dr
Hobbs NM, 88201

Project Apache- Hawk A-5 #3
Project Number None Given
Project Manager Cindy Cram

Fax (432) 367-6747

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-3 (7B01012-01) Soil									
Chloride	99.1	5 00	mg/kg	10	EB70303	02/03/07	02/03/07	EPA 300 0	
SS-5 (7B01012-02) Soil									
Chloride	2570	40 0	mg/kg	80	EB70303	02/03/07	02/03/07	EPA 300 0	
SS-6 (7B01012-03) Soil									
Chloride	9820	100	mg/kg	200	EB70303	02/03/07	02/03/07	EPA 300 0	
SS-7 (7B01012-04) Soil									
Chloride	160	5 00	mg/kg	10	EB70303	02/03/07	02/03/07	EPA 300.0	
SS-8 (7B01012-05) Soil									
Chloride	12000	200	mg/kg	400	EB70303	02/03/07	02/03/07	EPA 300 0	
SS-9 (7B01012-06) Soil									
Chloride	114	5 00	mg/kg	10	EB70303	02/03/07	02/03/07	EPA 300 0	
SS-10 (7B01012-07) Soil									
Chloride	10900	200	mg/kg	400	EB70303	02/03/07	02/03/07	EPA 300 0	

Environmental Lab of Texas
A Xenco Laboratories Company

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 2 of 4

Ocotillo Environmental
2125 French Dr
Hobbs NM, 88201

Project Apache- Hawk A-5 #3
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 EB70303 - Water Extraction										
Blank (EB70303-BLK1)				Prepared & Analyzed 02/03/07						
Chloride	ND	0.500	mg/kg							
LCS (EB70303-BS1)				Prepared & Analyzed 02/03/07						
Chloride	11.1	0.500	mg/kg	10.0		111	80-120			
Calibration Check (EB70303-CCV1)				Prepared & Analyzed 02/03/07						
Chloride	11.0		mg/L	10.0		110	80-120			
Duplicate (EB70303-DUP1)				Source: 7B01012-01		Prepared & Analyzed 02/03/07				
Chloride	99.8	5.00	mg/kg		99.1			0.704	20	
Matrix Spike (EB70303-MS1)				Source: 7B01012-01		Prepared & Analyzed 02/03/07				
Chloride	217	5.00	mg/kg	100	99.1	118	80-120			

Environmental Lab of Texas

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Page 3 of 4

Ocotillo Environmental
2125 French Dr.
Hobbs NM, 88201


Project: Apache- Hawk A-5 #3
Project Number: None Given
Project Manager: Cindy Crain

Fax: (432) 367-6747

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:

02/06/07

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

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If you have received this material in error, please notify us immediately at 432-563-1800.

Environmental Lab of Texas

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Page 4 of 4

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) 367-8747

Sampler Signature: Cassie Hobbs

e-mail: cindy.crain@gmail.com

Project Name: Apache - Hawk 45#3

Project #:

Project Loc: Eunice, NM

PO #:

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

(lab use only)

ORDER #: 1301012

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers										Matrix																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
								Ice	HNO ₃	HCl	H ₂ SO ₄	NaOH	Na ₂ S ₂ O ₃	None	Other (Specify)	DW-Drinking Water	SL-Sediment	GW - Groundwater	SS-Soil/Sediment	NP-Non-Potable	Specify Other	TPH: 418.1	8015B	8015B	TPH: TX 1005	TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO ₄ , Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semi-volatiles	BTEX 8021B5030 or BTEX 8260	RCI	N.O.R.M.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
<u>Cassie Hobbs</u>	<u>2/1/07</u>	<u>2:25</u>			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
			<u>Kevin Kelly</u>	<u>2/1/07</u>	<u>2:25</u>

Laboratory Comments:

Sample Containers Intact? ☒ Y ☐ N
VOCs Free of Headspace? ☒ Y ☐ N/A
Labels on container(s) ☒ Y ☐ N
Custody seals on container(s) ☒ Y ☐ N
Custody seals on cooler(s) ☒ Y ☐ N
Sample Hand Delivered ☒ Y ☐ N
by Sampler/Client Rep. ? ☒ Y ☐ N
by Courier? ☐ UPS ☐ DHL ☐ FedEx ☐ Lorie Star
Temperature Upon Receipt: 12.5 °C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Ocotillo ENV.
 Date/ Time: 2-1-07 2:25
 Lab ID #: 71301012
 Initials: CK

Sample Receipt Checklist

				Client Initials
#1	Temperature of container/ cooler?	Yes	No	12.5 ° 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

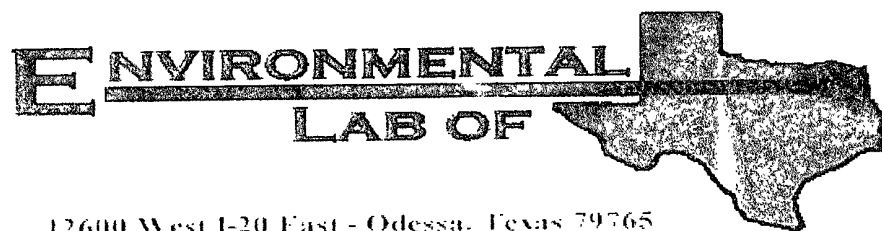
Variance Documentation

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



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: Apache- Hawk A-5 #3

Project Number: 6-0824

Location: UL-o, Sec. 5, 21S, 37E

Lab Order Number: 7B13003

Report Date: 02/15/07

Ocotillo Environmental
2125 French Dr
Hobbs NM, 88201

Project Apache- Hawk A-5 #3
Project Number 6-0824
Project Manager Cindy Crain

Fax (432) 367-6747

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH-1 15-17	7B13003-01	Soil	02/12/07 10 44	02-13-2007 10 42
BH-1 20-22	7B13003-02	Soil	02/12/07 10 50	02-13-2007 10 42
BH-1 25-27	7B13003-03	Soil	02/12/07 10 56	02-13-2007 10 42
BH-1 30-32	7B13003-04	Soil	02/12/07 11 02	02-13-2007 10 42
BH-1 35-37	7B13003-05	Soil	02/12/07 11 04	02-13-2007 10 42
BH-1 40-42	7B13003-06	Soil	02/12/07 11 07	02-13-2007 10 42
BH-1 45-47	7B13003-07	Soil	02/12/07 11 14	02-13-2007 10 42
BH-1 50-52	7B13003-08	Soil	02/12/07 11 19	02-13-2007 10 42
BH-1 55-57	7B13003-09	Soil	02/12/07 11 24	02-13-2007 10 42
BH-1 60-62	7B13003-10	Soil	02/12/07 12 25	02-13-2007 10 42
BH-1 65-67	7B13003-11	Soil	02/12/07 12 46	02-13-2007 10 42
BH-1 70-72	7B13003-12	Soil	02/12/07 12 52	02-13-2007 10 42
BH-1 75-77	7B13003-13	Soil	02/12/07 12 56	02-13-2007 10 42
BH-1 80-82	7B13003-14	Soil	02/12/07 13 00	02-13-2007 10 42
SS-15 26-26	7B13003-15	Soil	01/31/07 08 50	02-13-2007 10 42
SS-17 30-30	7B13003-16	Soil	01/31/07 13 00	02-13-2007 10 42
SS-20 40-40	7B13003-17	Soil	01/31/07 16 00	02-13-2007 10 42
BH-2 45-47	7B13003-18	Soil	02/12/07 13 44	02-13-2007 10 42
BH-2 50-52	7B13003-19	Soil	02/12/07 13 52	02-13-2007 10 42
BH-2 55-57	7B13003-20	Soil	02/12/07 14 02	02-13-2007 10 42
BH-2 60-62	7B13003-21	Soil	02/12/07 14 10	02-13-2007 10 42
BH-2 65-67	7B13003-22	Soil	02/12/07 14 20	02-13-2007 10 42

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-1 15-17 (7B13003-01) Soil									
Chloride	6890	100	mg/kg	200	EB71401	02/14/07	02/14/07	EPA 300.0	
BH-1 20-22 (7B13003-02) Soil									
Chloride	14200	200	mg/kg	400	EB71401	02/14/07	02/14/07	EPA 300.0	
BH-1 25-27 (7B13003-03) Soil									
Chloride	10600	200	mg/kg	400	EB71401	02/14/07	02/14/07	EPA 300.0	
BH-1 30-32 (7B13003-04) Soil									
Chloride	8880	100	mg/kg	200	EB71401	02/14/07	02/14/07	EPA 300.0	
BH-1 35-37 (7B13003-05) Soil									
Chloride	9140	100	mg/kg	200	EB71401	02/14/07	02/14/07	EPA 300.0	
BH-1 40-42 (7B13003-06) Soil									
Chloride	8160	100	mg/kg	200	EB71401	02/14/07	02/14/07	EPA 300.0	
BH-1 45-47 (7B13003-07) Soil									
Chloride	4880	50.0	mg/kg	100	EB71401	02/14/07	02/14/07	EPA 300.0	
BH-1 50-52 (7B13003-08) Soil									
Chloride	2270	25.0	mg/kg	50	EB71401	02/14/07	02/14/07	EPA 300.0	
BH-1 55-57 (7B13003-09) Soil									
Chloride	1700	20.0	mg/kg	40	EB71401	02/14/07	02/14/07	EPA 300.0	
BH-1 60-62 (7B13003-10) Soil									
Chloride	1410	20.0	mg/kg	40	EB71401	02/14/07	02/14/07	EPA 300.0	
BH-1 65-67 (7B13003-11) Soil									
Chloride	545	10.0	mg/kg	20	EB71401	02/14/07	02/14/07	EPA 300.0	

Environmental Lab of Texas

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Project Apache- Hawk A-5 #3
Project Number 6-0824
Project Manager Cindy Cram

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-1 70-72 (7B13003-12) Soil									
Chloride	402	110	mg/kg	220	EB71401	02/14/07	02/14/07	EPA 300.0	
BH-1 75-77 (7B13003-13) Soil									
Chloride	357	10.0	mg/kg	20	EB71401	02/14/07	02/14/07	EPA 300.0	
BH-1 80-82 (7B13003-14) Soil									
Chloride	196	5.00	mg/kg	10	EB71401	02/14/07	02/14/07	EPA 300.0	
SS-15 26-26 (7B13003-15) Soil									
Chloride	8170	100	mg/kg	200	EB71401	02/14/07	02/14/07	EPA 300.0	
SS-17 30-30 (7B13003-16) Soil									
Chloride	13000	200	mg/kg	400	EB71401	02/14/07	02/14/07	EPA 300.0	
SS-20 40-40 (7B13003-17) Soil									
Chloride	12100	200	mg/kg	400	EB71401	02/14/07	02/14/07	EPA 300.0	
BH-2 45-47 (7B13003-18) Soil									
Chloride	721	10.0	mg/kg	20	EB71401	02/14/07	02/14/07	EPA 300.0	
BH-2 50-52 (7B13003-19) Soil									
Chloride	19.0	5.00	mg/kg	10	EB71401	02/14/07	02/14/07	EPA 300.0	
BH-2 55-57 (7B13003-20) Soil									
Chloride	28.3	5.00	mg/kg	10	EB71401	02/14/07	02/14/07	EPA 300.0	
BH-2 60-62 (7B13003-21) Soil									
Chloride	22.8	5.00	mg/kg	10	EB71402	02/14/07	02/14/07	EPA 300.0	
BH-2 65-67 (7B13003-22) Soil									
Chloride	15.2	5.00	mg/kg	10	EB71402	02/14/07	02/14/07	EPA 300.0	

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Project Apache- Hawk A-5 #3
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Project Manager Cindy Cram

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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 EB71401 - General Preparation (WetChem)										
Blank (EB71401-BLK1)				Prepared & Analyzed 02/14/07						
Chloride	ND	0.500	mg/kg							
LCS (EB71401-BS1)				Prepared & Analyzed 02/14/07						
Chloride	10.5	0.500	mg/kg	10.0		105	80-120			
Calibration Check (EB71401-CCV1)				Prepared & Analyzed 02/14/07						
Chloride	9.07		mg/kg	10.0		90.7	80-120			
Duplicate (EB71401-DUP1)				Source: 7B13003-01		Prepared & Analyzed 02/14/07				
Chloride	6930	100	mg/kg		6890			0.579	20	
Duplicate (EB71401-DUP2)				Source: 7B13003-11		Prepared & Analyzed 02/14/07				
Chloride	546	10.0	mg/kg		545			0.183	20	
Matrix Spike (EB71401-MS1)				Source: 7B13003-01		Prepared & Analyzed 02/14/07				
Chloride	9080	100	mg/kg	2000	6890	110	80-120			
Matrix Spike (EB71401-MS2)				Source: 7B13003-11		Prepared & Analyzed 02/14/07				
Chloride	746	10.0	mg/kg	200	545	100	80-120			
Batch EB71402 - General Preparation (WetChem)										
Blank (EB71402-BLK1)				Prepared & Analyzed 02/14/07						
Chloride	ND	0.500	mg/kg							
LCS (EB71402-BS1)				Prepared & Analyzed 02/14/07						
Chloride	10.5	0.500	mg/kg	10.0		105	80-120			

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Project Apache- Hawk A-5 #3
Project Number 6-0824
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 EB71402 - General Preparation (WetChem)										
Calibration Check (EB71402-CCV1)				Prepared & Analyzed 02/14/07						
Chloride	9.40		mg/kg	10.0		94.0	80-120			
Duplicate (EB71402-DUP1)				Source: 7B12001-01 Prepared & Analyzed 02/14/07						
Chloride	87.5	5.00	mg/kg		88.8			1.47	20	
Duplicate (EB71402-DUP2)				Source: 7B13001-04 Prepared & Analyzed 02/14/07						
Chloride	632	10.0	mg/kg		621			1.76	20	
Matrix Spike (EB71402-MS1)				Source: 7B12001-01 Prepared & Analyzed 02/14/07						
Chloride	268	5.00	mg/kg	100	88.8	179	80-120			QM-07
Matrix Spike (EB71402-MS2)				Source: 7B13001-04 Prepared & Analyzed 02/14/07						
Chloride	830	10.0	mg/kg	200	621	104	80-120			

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Project Manager Cindy Crain

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Notes and Definitions

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD The batch was accepted based on acceptable LCS recovery

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: 2/15/2007

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

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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: PO Box 1816

City/State/Zip: Hobbs, NM 88241

Telephone No: (505) 441-7244

Sampler Signature: Cindy Crain

Fax No: (432) 272-0304

e-mail: cindy.crain@gmail.com

Project Name: Apache Hawk A-5 #3

Project #: 6-0824

Project Loc: UL-0, Sec. 5, 215, 37E

PO #: _____

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

(lab use only)

ORDER #: 1B13008

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Ice	HNO ₃	HCl	H ₂ SO ₄	NaOH	Na ₂ S ₂ O ₃	None	Other (Specify)	DW=Drinking Water SL=Sludge GW= Groundwater S=Soil/Solid NP=Non-Potable Specify Other	TPH 418.1	8015M	8015B	TPH TX 1005	TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO ₄ , Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Si	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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Special Instructions:

Rush - 24 hr TAT

Relinquished by:	Date	Time	Received by:	Date	Time
<u>Cindy Crain</u>	<u>2/13/07</u>	<u>1042</u>			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
			<u>Wesley 1009</u>	<u>2/13/07</u>	<u>1042</u>

Laboratory Comments:

Sample Containers Intact? Y N
VOCs Free of Headspace? Y N/A
Labels on Container(s)? Y N
Custody seals on container(s)? Y N
Custody seals on cooler(s)? Y N
Sample Hand Delivered by Sample Client Rep.? Y N
by Courier? UPS DHL FedEx Lone Star
Temperature Upon Receipt: 16.0 °C

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: PO Box 1816

City/State/Zip: Hobbs, NM 88241

Telephone No: (505) 441-7244

Fax No: (432) 272-0304

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: Cindy Crain

e-mail: cindy.crain@gmail.com

Project Name: Apache Hawk A-5 #3

Project #: 6-0824

Project Loc: UL-0, Sec. 5, 215, 37E

PO #: _____

(lab use only)

ORDER #: 17B13003

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Rush- 24 hr TAT

Relinquished by:	Date	Time	Received by:	Date	Time
<u>Cindy Crain</u>	<u>2/13/07</u>	<u>1042</u>			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELDT:	Date	Time
			<u>Cecilia Kelly</u>	<u>2/13/07</u>	<u>10:42</u>

Laboratory Comments:

Sample Containers Intact? ☒ N
VOCs Free of Headspace? ☒ N/A
Labels on container(s) ☒ Y
Custody seals on container(s) ☒ Y
Custody seals on cooler(s) ☒ Y
Sample Hand Delivered by Sample Client Rep.? ☒ N
by Courier? UPS DHL FedEx Lone Star
Temperature Upon Receipt: 16.0 °C

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

Project Manager: Cindy Crain

Company Name Ocotillo Environmental, LLC

Company Address: PO Box 1816

City/State/Zip: Hobbs, NM 88241

Telephone No: (505) 441-7244

Sampler Signature:

Fax No: (432) 272-0304

e-mail: cindy.crain@gmail.com

Project Name: Apache Hawk A-5 #3

Project #: 6-0824

Project Loc: UL-0, Sec. 5, 215, 37E

PO #:

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

[illegible]

Jeanne McMurrey

From: "Cassie Hobbs" <cassie.hobbs@gmail.com>
To: "Jeanne McMurrey" <jeanne@elabtexas.com>
Sent: Thursday, February 15, 2007 8:52 AM
Subject: Re: Report #7B13003 Apache-Hawk A-5 #3

Thank you Jeanne,

Hope you had a Happy Valentine's Day too!

Could you please change BH-2: 80-82' to BH-1: 80-82'
That sample was mislabeled.

Thank you!

Cassie

On 2/14/07, Jeanne McMurrey <jeanne@elabtexas.com> wrote:

Happy Valentine's Day!

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

--

This message has been scanned for viruses and
dangerous content by Basin Broadband, Inc.,
utilizing DefenderMX technology, and is believed to be clean.

2/15/2007



ARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
OCOTILLO ENVIRONMENTAL
ATTN: CINDY CRAIN
2125 FRENCH DR.
HOBBS, NM 88240
FAX TO: (432) 272-0304

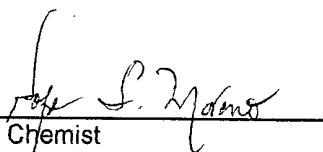
Receiving Date: 06/12/07
Reporting Date: 06/12/07
Project Owner: APACHE
Project Name: HAWK A-5 #3
Project Location: EUNICE, NM

Analysis Date: 06/12/07
Sampling Date: 06/12/07
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: HM
Analyzed By: AB

LAB NO.	SAMPLE ID	Cl ⁻ (mg/Kg)
H12736-1	BH-3 (20-22')	6170
H12736-2	BH-3 (25-27')	10000
H12736-3	BH-3 (30-32')	11500
H12736-4	BH-3 (35-37')	17400
H12736-5	BH-3 (40-42')	14600
H12736-6	BH-3 (45-47')	12600
H12736-7	BH-3 (50-52')	8160
H12736-8	BH-4 (20-22')	256
H12736-9	BH-4 (25-27')	144
H12736-10	BH-4 (30-32')	256
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		1.0

METHOD: Standard Methods 4500-Cl⁻B

Note: Analyses performed on 1:4 w:v aqueous extracts.


Chemist

06-13-07
Date

H12736 OCOTILLO

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Receiving Date: 06/12/07
Reporting Date: 06/12/07
Project Owner: APACHE
Project Name: HAWK A-5 #3
Project Location: EUNICE, NM

Analysis Date: 06/12/07
Sampling Date: 06/12/07
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: HM
Analyzed By: AB

LAB NO.	SAMPLE ID	Cl ⁻ (mg/Kg)
H12736-11	BH-4 (35-37')	256
H12736-12	BH-4 (40-42')	192
H12736-13	BH-4 (45-47')	160
H12736-14	BH-4 (50-52')	128
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		1.0

METHOD: Standard Methods	4500-CIB
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Note: Analyses performed on 1:4 w:v aqueous extracts.

De L. Moreno
Chemist

Date 06-13-07

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ANALYTICAL RESULTS FOR
OCOTILLO ENVIRONMENTAL
ATTN: CINDY CRAIN
2125 FRENCH DR
HOBBS, NM 88240
FAX TO: (432) 272-0304

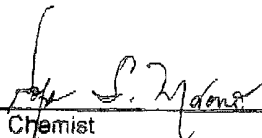
Receiving Date: 06/12/07
Reporting Date: 06/12/07
Project Owner: APACHE
Project Name: HAWK A-5 #3
Project Location: EUNICE, NM

Analysis Date: 06/12/07
Sampling Date: 06/12/07
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: HM
Analyzed By: AB

LAB NO.	SAMPLE ID	Cl ⁻ (mg/Kg)
H12736-1	BH-3 (20-22')	6170
H12736-2	BH-3 (25-27')	10000
H12736-3	BH-3 (30-32')	11500
H12736-4	BH-3 (35-37')	17400
H12736-5	BH-3 (40-42')	14600
H12736-6	BH-3 (45-47')	12600
H12736-7	BH-3 (50-52')	8160
H12736-8	BH-4 (20-22')	256
H12736-9	BH-4 (25-27')	144
H12736-10	BH-4 (30-32')	256
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		10

METHOD: Standard Methods	4500-Cl ⁻ B
--------------------------	------------------------

Note: Analyses performed on 1.4 w/v aqueous extracts.


Chemist

06-13-07
Date

H12736 OCOTILLO

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ANALYTICAL RESULTS FOR
OCOTILLO ENVIRONMENTAL
ATTN: CINDY CRAIN
2125 FRENCH DR.
HOBBS, NM 88240
FAX TO: (432) 272-0304

Receiving Date: 06/12/07
Reporting Date: 06/12/07
Project Owner: APACHE
Project Name: HAWK A-5 #3
Project Location: EUNICE, NM

Analysis Date: 06/12/07
Sampling Date: 06/12/07
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: HM
Analyzed By: AB

LAB NO.	SAMPLE ID	Cl ⁻ (mg/Kg)
H12736-11	BH-4 (35-37')	256
H12736-12	BH-4 (40-42')	192
H12736-13	BH-4 (45-47')	160
H12736-14	BH-4 (50-52')	128
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		1.0

METHOD. Standard Methods	4500-CIB
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Note: Analyses performed on 1:4 w/v aqueous extracts.

John L. Matern
Chemist

Date 06-13-07

H12736A OCOTILLO

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ANALYTICAL RESULTS FOR
OCOTILLO ENVIRONMENTAL
ATTN: CINDY CRAIN
P.O. BOX 1816
HOBBS, NM 88241
FAX TO: (432) 272-0304

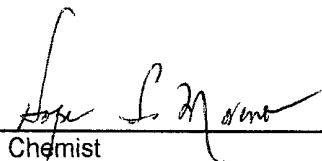
Receiving Date: 07/26/07
Reporting Date: 07/30/07
Project Number: 6-0824
Project Name: HAWK A-5 #3
Project Location: EUNICE, NM

Analysis Date: 07/30/07
Sampling Date: 07/25/07
Sample Type: SOIL
Sample Condition: INTACT
Sample Received By: KS
Analyzed By: KS

LAB NO.	SAMPLE ID	Cl ⁻ (mg/Kg)
H12992-1	BH - 3 (55-57')	5718
H12992-2	BH - 3 (60-62')	1536
H12992-3	BH - 3 (65-67')	1200
H12992-4	BH - 3 (70-72')	1168
H12992-5	BH - 3 (75-77')	864
H12992-6	BH - 3 (80-82')	768
H12992-7	BH - 3 (85-87')	560
H12992-8	BH - 3 (90-92')	80
H12992-9	BH - 5 (5-7')	112
H12992-10	BH - 5 (10-12')	144
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		2.0

METHOD: Standard Methods 4500-Cl⁻B

Note: Analyses performed on 1:4 w:v aqueous extracts.


Chemist

07/30/07
Date

H12992 OCO

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OCOTILLO ENVIRONMENTAL
ATTN: CINDY CRAIN
P.O. BOX 1816
HOBBS, NM 88241
FAX TO: (432) 272-0304

Receiving Date: 07/26/07
Reporting Date: 07/30/07
Project Number: 6-0824
Project Name: HAWK A-5 #3
Project Location: EUNICE, NM

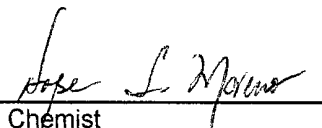
Analysis Date: 07/30/07
Sampling Date: 07/25/07
Sample Type: SOIL
Sample Condition: INTACT
Sample Received By: KS
Analyzed By: KS

LAB NO.	SAMPLE ID	Cl ⁻ (mg/Kg)
H12992-11	BH - 5 (15-17')	112
H12992-12	BH - 5 (20-22')	128
H12992-13	BH - 5 (25-27')	144
H12992-14	BH - 5 (30-32')	96
H12992-15	BH - 5 (35-37')	96
H12992-16	BH - 5 (40-42')	96
H12992-17	BH - 5 (45-47')	96
H12992-18	BH - 5 (50-52')	64
	Quality Control	500
	True Value QC	500
	% Recovery	100
	Relative Percent Difference	2.0

METHOD: Standard Methods

4500-Cl⁻B

Note: Analyses performed on 1:4 w:v aqueous extracts.


Chemist

07-30-07
Date

H12992 OCO

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BILL TO

ANALYSIS REQUEST

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Relinquished By: <i>Cindy Crain</i>		Date: <i>7/26/07</i>	Received By: <i>Krista Suprobo</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
		Time: <i>3:25</i>		Fax Result: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:
Relinquished By: <i>Steve Cannon</i>		Date:	Received By:	REMARKS: <i>(432) 272-0304</i>
		Time:		<i>* Called to confirm last sample not originally on Coc</i>
Delivered By: (Circle One)		Sample Condition	CHECKED BY:	<i>07/26/07 KS Talked to Cindy</i>
Sampler - UPS - Bus - Other:		Cool Intact	(Initials)	
		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes	<i>KS</i>	
		<input type="checkbox"/> No <input type="checkbox"/> No		

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ANALYTICAL RESULTS FOR
OCOTILLO ENVIRONMENTAL
ATTN: CINDY CRAIN
P.O. BOX 1816
HOBBS, NM 88241
FAX TO: (432) 272-0304

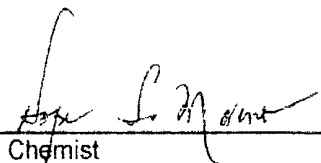
Receiving Date: 07/26/07
Reporting Date: 07/30/07
Project Number: 6-0824
Project Name: HAWK A-5 #3
Project Location: EUNICE, NM

Analysis Date: 07/30/07
Sampling Date: 07/25/07
Sample Type: SOIL
Sample Condition: INTACT
Sample Received By: KS
Analyzed By: KS

LAB NO.	SAMPLE ID	Cl ⁻ (mg/Kg)
H12992-1	BH - 3 (55-57')	5718
H12992-2	BH - 3 (60-62')	1536
H12992-3	BH - 3 (65-67')	1200
H12992-4	BH - 3 (70-72')	1168
H12992-5	BH - 3 (75-77')	864
H12992-6	BH - 3 (80-82')	768
H12992-7	BH - 3 (85-87')	560
H12992-8	BH - 3 (90-92')	80
H12992-9	BH - 5 (5-7')	112
H12992-10	BH - 5 (10-12')	144
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		2.0

METHOD: Standard Methods 4500-Cl⁻B

Note: Analyses performed on 1:4 w:v aqueous extracts


Chemist

07/30/07
Date

H12992 OCO

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ANALYTICAL RESULTS FOR
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ATTN: CINDY CRAIN
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HOBBS, NM 88241
FAX TO: (432) 272-0304

Receiving Date: 07/26/07
Reporting Date: 07/30/07
Project Number: 6-0824
Project Name: HAWK A-5 #3
Project Location: EUNICE, NM

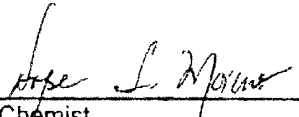
Analysis Date: 07/30/07
Sampling Date: 07/25/07
Sample Type: SOIL
Sample Condition: INTACT
Sample Received By: KS
Analyzed By: KS

LAB NO.	SAMPLE ID	Cl ⁻ (mg/Kg)
H12992-11	BH - 5 (15-17')	112
H12992-12	BH - 5 (20-22')	128
H12992-13	BH - 5 (25-27')	144
H12992-14	BH - 5 (30-32')	96
H12992-15	BH - 5 (35-37')	96
H12992-16	BH - 5 (40-42')	96
H12992-17	BH - 5 (45-47')	96
H12992-18	BH - 5 (50-52')	64
	Quality Control	500
	True Value QC	500
	% Recovery	100
	Relative Percent Difference	2.0

METHOD: Standard Methods

4500-Cl⁻B

Note: Analyses performed on 1:4 w/v aqueous extracts.


Chemist

07-30-07
Date

H12992 OCO

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:							
Project Manager:							
Address:							
City:							
Phone #:							
Fax #:							
Project #:							
Project Owner:							
Project Name:							
Project Location:							
Sampler Name:							
FOR LAB USE ONLY							
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.	# CONTAINERS		
				GROUNDWATER			
				WASTEWATER			
				SOIL			
				OIL			
				SLUDGE			
				OTHER :			
				ACID/BASE:			
				ICE / COOL			
				OTHER :			
				PRESERV	SAMPLING		
				DATE	TIME		
-11-	BH-5	(15-17')	C	I	✓	7/25/07	1320
-12-	"	(20-22')	C	I	✓	"	1340
-13-	"	(25-27')	C	I	✓	"	1358
-14-	"	(30-32')	C	I	✓	"	1414
-15-	"	(35-37')	C	I	✓	"	1432
-16-	"	(40-42')	C	I	✓	"	1440
-17-	"	(45-47')	C	I	✓	"	1450
-18-	BH-5	(50-52')					
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.							
Relinquished By:		Date:	Received By:		Phone Result:		
(Signature)		Time:	(Signature)		Add'l Phone #:		
Relinquished By:		Date:	Received By:		Fax Result:		
(Signature)		Time:			Add'l Fax #:		
Delivered By: (Circle One)		Sample Condition			CHECKED BY:		
Sampler - UPS - Bus - Other:		Cool Intact Yes No Yes No			(Initials) KS		
REMARKS: 							

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PHONE (505) 393-2326 • 101 E MARLAND • HOBBS, NM 88240

Receiving Date: 06/29/07
Reporting Date: 07/02/07
Project Owner: APACHE
Project Name: HAWK A-5 #3
Project Location: LEA CO., NM

Analysis Date: 06/29/07
Sampling Date: 06/29/07
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AB
Analyzed By: HM

LAB NO.	SAMPLE ID	Cl ⁻ (mg/Kg)
H12838-1	WEST SIDE (NORTH) SS-2	4599
H12838-2	WEST SIDE (SOUTH) SS-1	5038
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		< 0.1

Note: Analyses performed on 1:4 w:v aqueous extracts.

Rafael S. Moreno
Chemist


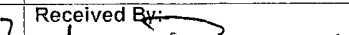
07-02-07
Date

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Relinquished By:		Date:		Received By:		Phone Result:		<input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
		Time:				Fax Result:		<input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:	
						REMARKS:					
Relinquished By:		Date:		Received By:							
		6/29/07									
		Time:									
		1:40pm									
Delivered By: (Circle One)				Sample Condition		CHECKED BY:					
				Cool Intact		(Initials)					
				<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes							
				<input type="checkbox"/> No <input type="checkbox"/> No							
Sampler - UPS - Bus - Other:											

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analysis Date: 06/29/07
Sampling Date: 06/29/07
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AB
Analyzed By: HM

Note: Analyses performed on 1:4 w:v aqueous extracts.

07-02-2
Date

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Apache
Hawk A-5#

6-29-07

6-0824

↑
N

Sampled By:
Steve Cannon

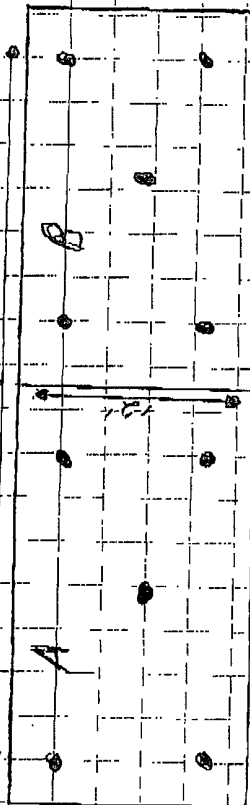
Comp. Samples taken
from west wall

A: 55-1 10:05

B: 55-2 10:15

(15.5')

12.1'



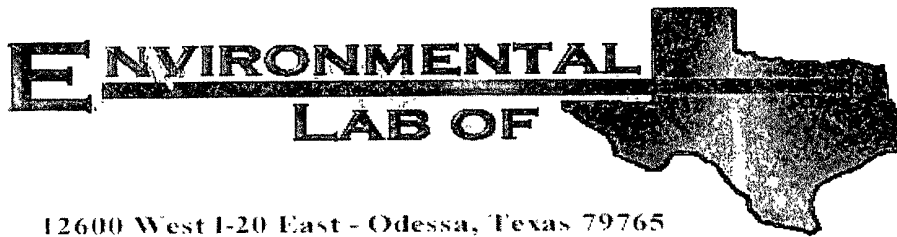


CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Relinquished By: Date: Time:		Received By: Date: Time:		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: REMARKS:	
Relinquished By: Date: 6/29/07 Time: 1:40pm		Received By: Date: Time:		REMARKS:	
Delivered By: (Circle One)		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No		CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other:					

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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: Apache- Hawk A-5 #3

Project Number: None Given

Location: Eunice, NM

Lab Order Number: 7D12006

Report Date: 04/18/07

Ocotillo Environmental
2125 French Dr.
Hobbs NM, 88201

Project: Apache- Hawk A-5 #3
Project Number: None Given
Project Manager: Cindy Crain

Fax (432) 367-6747

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW - 1 (0-2')	7D12006-01	Soil	04/03/07 10:02	04-12-2007 11:00
MW - 1 (5-7')	7D12006-02	Soil	04/03/07 10:12	04-12-2007 11:00
MW - 1 (10-12')	7D12006-03	Soil	04/03/07 10:15	04-12-2007 11:00
MW - 1 (15-17')	7D12006-04	Soil	04/03/07 10:20	04-12-2007 11:00
MW - 1 (20-22')	7D12006-05	Soil	04/03/07 10:27	04-12-2007 11:00
MW - 1 (25-27')	7D12006-06	Soil	04/03/07 10:40	04-12-2007 11:00
MW - 1 (30-32')	7D12006-07	Soil	04/03/07 10:43	04-12-2007 11:00
MW - 1 (35-37')	7D12006-08	Soil	04/03/07 10:48	04-12-2007 11:00
MW - 1 (40-42')	7D12006-09	Soil	04/03/07 10:57	04-12-2007 11:00
MW - 1 (45-47')	7D12006-10	Soil	04/03/07 11:12	04-12-2007 11:00
MW - 1 (50-52')	7D12006-11	Soil	04/03/07 11:20	04-12-2007 11:00
MW - 1 (55-57')	7D12006-12	Soil	04/03/07 11:34	04-12-2007 11:00
MW - 1 (60-62')	7D12006-13	Soil	04/03/07 11:42	04-12-2007 11:00
MW - 1 (65-67')	7D12006-14	Soil	04/03/07 13:10	04-12-2007 11:00
MW - 1 (70-72')	7D12006-15	Soil	04/03/07 13:33	04-12-2007 11:00
MW - 1 (75-77')	7D12006-16	Soil	04/03/07 13:50	04-12-2007 11:00
MW - 1 (80-82')	7D12006-17	Soil	04/03/07 14:05	04-12-2007 11:00
MW - 1 (85-87')	7D12006-18	Soil	04/03/07 14:30	04-12-2007 11:00
MW - 1 (90-92')	7D12006-19	Soil	04/03/07 14:48	04-12-2007 11:00
MW - 1 (95-97')	7D12006-20	Soil	04/03/07 14:52	04-12-2007 11:00
MW - 1 (100-102')	7D12006-21	Soil	04/03/07 14:58	04-12-2007 11:00
MW - 1	7D12006-22	Water	04/11/07 12:48	04-12-2007 11:00

Ocotillo Environmental
2125 French Dr.
Hobbs NM, 88201

Project: Apache- Hawk A-5 #3
Project Number: None Given
Project Manager: Cindy Crain

Fax. (432) 367-6747

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW - 1 (0-2') (7D12006-01) Soil									
Chloride	213	20.0	mg/kg Wet	2	ED71309	04/13/07	04/13/07	SW 846 9253	
MW - 1 (5-7') (7D12006-02) Soil									
Chloride	160	20.0	mg/kg Wet	2	ED71309	04/13/07	04/13/07	SW 846 9253	
MW - 1 (10-12') (7D12006-03) Soil									
Chloride	85.1	20.0	mg/kg Wet	2	ED71309	04/13/07	04/13/07	SW 846 9253	
MW - 1 (15-17') (7D12006-04) Soil									
Chloride	85.1	20.0	mg/kg Wet	2	ED71309	04/13/07	04/13/07	SW 846 9253	
MW - 1 (20-22') (7D12006-05) Soil									
Chloride	85.1	20.0	mg/kg Wet	2	ED71309	04/13/07	04/13/07	SW 846 9253	
MW - 1 (25-27') (7D12006-06) Soil									
Chloride	117	20.0	mg/kg Wet	2	ED71309	04/13/07	04/13/07	SW 846 9253	
MW - 1 (30-32') (7D12006-07) Soil									
Chloride	95.7	20.0	mg/kg Wet	2	ED71309	04/13/07	04/13/07	SW 846 9253	
MW - 1 (35-37') (7D12006-08) Soil									
Chloride	117	20.0	mg/kg Wet	2	ED71309	04/13/07	04/13/07	SW 846 9253	
MW - 1 (40-42') (7D12006-09) Soil									
Chloride	106	20.0	mg/kg Wet	2	ED71309	04/13/07	04/13/07	SW 846 9253	
MW - 1 (45-47') (7D12006-10) Soil									
Chloride	234	20.0	mg/kg Wet	2	ED71309	04/13/07	04/13/07	SW 846 9253	

Environmental Lab of Texas
A Xenco Laboratories Company

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Page 2 of 7

Ocotillo Environmental
2125 French Dr.
Hobbs NM, 88201

Project: Apache- Hawk A-5 #3
Project Number: None Given
Project Manager: Cindy Cram

Fax: (432) 367-6747

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW - 1 (50-52') (7D12006-11) Soil									
Chloride	42.5	20.0	mg/kg Wet	2	ED71309	04/13/07	04/13/07	SW 846 9253	
MW - 1 (55-57') (7D12006-12) Soil									
Chloride	42.5	20.0	mg/kg Wet	2	ED71309	04/13/07	04/13/07	SW 846 9253	
MW - 1 (60-62') (7D12006-13) Soil									
Chloride	31.9	20.0	mg/kg Wet	2	ED71309	04/13/07	04/13/07	SW 846 9253	
MW - 1 (65-67') (7D12006-14) Soil									
Chloride	21.3	20.0	mg/kg Wet	2	ED71602	04/16/07	04/16/07	SW 846 9253	
MW - 1 (70-72') (7D12006-15) Soil									
Chloride	21.3	20.0	mg/kg Wet	2	ED71602	04/16/07	04/16/07	SW 846 9253	
MW - 1 (75-77') (7D12006-16) Soil									
Chloride	ND	20.0	mg/kg Wet	2	ED71602	04/16/07	04/16/07	SW 846 9253	
MW - 1 (80-82') (7D12006-17) Soil									
Chloride	31.9	20.0	mg/kg Wet	2	ED71602	04/16/07	04/16/07	SW 846 9253	
MW - 1 (85-87') (7D12006-18) Soil									
Chloride	31.9	20.0	mg/kg Wet	2	ED71602	04/16/07	04/16/07	SW 846 9253	
MW - 1 (90-92') (7D12006-19) Soil									
Chloride	42.5	20.0	mg/kg Wet	2	ED71602	04/16/07	04/16/07	SW 846 9253	
MW - 1 (95-97') (7D12006-20) Soil									
Chloride	21.3	20.0	mg/kg Wet	2	ED71602	04/16/07	04/16/07	SW 846 9253	

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Page 3 of 7

Ocotillo Environmental
2125 French Dr.
Hobbs NM, 88201

Project: Apache- Hawk A-5 #3
Project Number: None Given
Project Manager: Cindy Crain

Fax: (432) 367-6747

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW - 1 (100-102') (7D12006-21) Soil									
Chloride	31.9	20.0	mg/kg Wet	2	ED71602	04/16/07	04/16/07	SW 846 9253	
MW - 1 (7D12006-22) Water									
Chloride	75.4	5.00	mg/L	10	ED71809	04/18/07	04/18/07	EPA 300 0	

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Page 4 of 7

Ocotillo Environmental
2125 French Dr.
Hobbs NM, 88201

Project: Apache- Hawk A-5 #3
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 ED71309 - Water Extraction

Blank (ED71309-BLK1)		Prepared & Analyzed: 04/13/07								
Chloride	ND	20.0	mg/kg Wet							
LCS (ED71309-BS1)		Prepared & Analyzed: 04/13/07								
Chloride	93.6	10.0	mg/kg Wet	100		93.6	80-120			
Matrix Spike (ED71309-MS1)		Source: 7D12003-01		Prepared & Analyzed: 04/13/07						
Chloride	447	20.0	mg/kg Wet	500	21.3	85.1	80-120			
Matrix Spike Dup (ED71309-MSD1)		Source: 7D12003-01		Prepared & Analyzed: 04/13/07						
Chloride	457	20.0	mg/kg Wet	500	21.3	87.1	80-120	2.21	20	
Reference (ED71309-SRM1)		Prepared & Analyzed: 04/13/07								
Chloride	53.2	10.0	mg/kg Wet	50.0		106	80-120			

Batch ED71602 - General Preparation (WetChem)

Blank (ED71602-BLK1)		Prepared & Analyzed: 04/16/07								
Chloride	ND	20.0	mg/kg Wet							
LCS (ED71602-BS1)		Prepared & Analyzed: 04/16/07								
Chloride	93.6	20.0	mg/kg Wet	100		93.6	80-120			
Matrix Spike (ED71602-MS1)		Source: 7D12006-14		Prepared & Analyzed: 04/16/07						
Chloride	436	40.0	mg/kg Wet	500	21.3	82.9	80-120			
Matrix Spike Dup (ED71602-MSD1)		Source: 7D12006-14		Prepared & Analyzed: 04/16/07						
Chloride	457	40.0	mg/kg Wet	500	21.3	87.1	80-120	4.70	20	

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Page 5 of 7

Ocotillo Environmental
2125 French Dr.
Hobbs NM, 88201

Project: Apache- Hawk A-5 #3
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 ED71602 - General Preparation (WetChem)										
Reference (ED71602-SRM1)				Prepared & Analyzed: 04/16/07						
Chloride	51.0	20.0	mg/kg Wet	50.0		102	80-120			
Batch ED71809 - General Preparation (WetChem)										
Blank (ED71809-BLK1)				Prepared & Analyzed: 04/18/07						
Chloride	ND	0.500	mg/L							
LCS (ED71809-BS1)				Prepared & Analyzed: 04/18/07						
Chloride	11.5	0.500	mg/L	10.0		115	80-120			
Calibration Check (ED71809-CCV1)				Prepared & Analyzed: 04/18/07						
Chloride	8.56		mg/L	10.0		85.6	80-120			
Duplicate (ED71809-DUP1)				Source: 7D12006-22		Prepared & Analyzed: 04/18/07				
Chloride	74.9	5.00	mg/L		75.4			0.665	20	
Matrix Spike (ED71809-MS1)				Source: 7D12006-22		Prepared & Analyzed: 04/18/07				
Chloride	177	5.00	mg/L	100	75.4	102	80-120			

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The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 6 of 7

Ocotillo Environmental
2125 French Dr.
Hobbs NM, 88201

Project: Apache- Hawk A-5 #3
Project Number: None Given
Project Manager: Cindy Crain

Fax. (432) 367-6747

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:

4/18/07

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

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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

1 of 3

Project Manager: Cindy Crain

Company Name: Ocotillo Environmental, LLC

Company Address: PO Box 1816

City/State/Zip: Hobbs, NM 88241

Telephone No: (505) 441-7244

Sampler Signature: Cindy Crain

Fax No: (432) 272-0304

e-mail: cindy.crain@gmail.com

Project Name: Apache Hawk A-5 #3

Project #: _____

Project Loc: Curice, NM

PO #: _____

Report Format: ☐ Standard ☐ TRRP ☐ NPDES

(lab use only)

ORDER #: 1012006

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Ice	HNO ₃	HCl	H ₂ SO ₄	NaOH	Na ₂ S ₂ O ₃	None	Other (Specify)	DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	TPH. 418.1 8015M 80	TPH. TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl ₂ SO ₄ , Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 82	RCI	N O R M	Standard TAT	RUSH TAT (Pre-Schedule) 2
01	MW-1 (0-2')	0	2	4/3/07	1002		1																						
02	"	5	7	"	1012		1																						
03	"	10	12	"	1015		1																						
04	"	15	17	"	1020		1																						
05	"	20	22	"	1027		1																						
06	"	25	27	"	1040		1																						
07	"	30	32	"	1043		1																						
08	"	35	37	"	1048		1																						
09	"	40	42	"	1057		1																						
10	"	45	47	"	1112		1																						

Special Instructions:

Relinquished by:

Cindy Crain

Date

Time

Received by

Andrea

Date

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Received by

Andrea

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Project Name: Apache Hawk A-5H2

Project #: _____

Project Loc: Cruise, NM

PO #:

Report Format: ☐ Standard ☐ TRRP ☐ NPDES

cindy.crain@gmail.com

ORDER #:						(lab use only)										
LAB # (lab use only)		FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Total # of Containers	Preservation & # of Containers							Matrix	
								Ice	HNO ₃	HCl	H ₂ SO ₄	NaOH	Na ₂ S ₂ O ₃	None	Other (Specify)	DW=Drinking Water SL=Sledge GW = Groundwater S=Soil/Solid NF=Non-Portable Specify Other
11	MW-1		50	52	4/3/07	1120	1									NF=Non-Portable Specify Other
12	"		55	57	"	1134	1									
13	"		60	62	"	1142	1									
14	"		65	67	"	1310	1									
15	"		70	72	"	1333	1									
16	"		75	77	"	1350	1									
17	"		80	82	"	1405	1									
18	"		85	87	"	1430	1									
19	"		90	92	"	1448	1									
20	"		95	97	"	1452	1									

Special Instructions:

Relinquished by: *[Signature]* Date: 4/10/07 Time: 11:00

Relinquished by: *[Signature]* Date: _____ Time: _____

Relinquished by: _____ Date: _____ Time: _____

Laboratory Comments:

Sample Containers Intact? ☒ Y ☐ N

VOCs Free of Headspace? ☒ Y ☐ N

Labels on container(s) visible? ☒ Y ☐ N

Custody seals on container(s)? ☒ Y ☐ N

Custody/seals on cooler(s)? ☒ Y ☐ N

Sample Hand Delivered by Sampler? ☒ Y ☐ N

Client Rep.? ☒ Y ☐ N

by Courier? ☒ Y ☐ N

UPS ☒ DHL ☐ FedEx ☐ Lone Star ☐

Temperature Upon Receipt: 8.5 °C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Ocotillo Env. LLC
 Date/ Time: 4-12-07 11:00
 Lab ID #: 7012066
 Initials: AL

Sample Receipt Checklist

				Client Initials
#1	Temperature of container/ cooler?	<u>Yes</u>	No	8.5 °C
#2	Shipping container in good condition?	<u>Yes</u>	No	
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	<u>Not Present</u>
#4	Custody Seals intact on sample bottles/ container?	Yes	No	<u>Not Present</u>
#5	Chain of Custody present?	<u>Yes</u>	No	
#6	Sample instructions complete of Chain of Custody?	<u>Yes</u>	No	
#7	Chain of Custody signed when relinquished/ received?	<u>Yes</u>	No	
#8	Chain of Custody agrees with sample label(s)?	Yes	No	<u>ID written on Cont./Lid.</u>
#9	Container label(s) legible and intact?	Yes	No	Not Applicable
#10	Sample matrix/ properties agree with Chain of Custody?	<u>Yes</u>	No	
#11	Containers supplied by ELOT?	<u>Yes</u>	No	
#12	Samples in proper container/ bottle?	<u>Yes</u>	No	See Below
#13	Samples properly preserved?	<u>Yes</u>	No	See Below
#14	Sample bottles intact?	<u>Yes</u>	No	
#15	Preservations documented on Chain of Custody?	<u>Yes</u>	No	
#16	Containers documented on Chain of Custody?	<u>Yes</u>	No	
#17	Sufficient sample amount for indicated test(s)?	<u>Yes</u>	No	See Below
#18	All samples received within sufficient hold time?	<u>Yes</u>	No	See Below
#19	Subcontract of sample(s)?	Yes	No	<u>Not Applicable</u>
#20	VOC samples have zero headspace?	Yes	No	<u>Not Applicable</u>

label on
see multiply

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