

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>BP America Production Company</u> Telephone: <u>(505) 394-1600</u> e-mail address: <u>Margaret.Lowe@bp.com</u>		
Address: <u>P.O. Box 1089 Eunice, NM 88231</u>		
Facility or well name: <u>Sunflower 3 #1</u> API#: <u>30-025-37211</u> U/L or Qtr/Qtr <u>UL-D</u> Sec <u>3</u> T <u>18S</u> R <u>34E</u>		
County: <u>Lea</u> Latitude <u>N 32° 46' 51.69"</u> Longitude <u>W 103° 33' 8.88"</u> NAD: 1927 <input checked="" type="checkbox"/> 1983 <input type="checkbox"/>		
Surface Owner: Federal <input type="checkbox"/> State <input type="checkbox"/> Private <input checked="" type="checkbox"/> Indian <input 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>20</u> mil Clay <input type="checkbox"/> Pit Volume <u>13,900</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 FEB 13 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) (0 points) 118 feet
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes No	(20 points) (0 points) X
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet 200 feet or more, but less than 1000 feet 1000 feet or more	(20 points) (10 points) (0 points) X
Ranking Score (Total Points)		0

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 _____ 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 (west of) the drilling pit. The burial pit was lined with a 20 ml liner. Drilling mud was mixed with caliche, and placed in the burial pit, along with the pit liner. The contents of the burial pit were completely encapsulated, capped with a 20 ml liner, and covered with 3 feet of topsoil to grade.

Soil samples were collected below the liner at a depth of approximately feet below ground surface. Soil borings were installed at the center and SE corner to a depth of 32 feet bgs, in the SW corner to a depth of 42' bgs, and the NW corner to a depth of 92' bgs, with soil samples being collected every five feet in each boring. Upon approval by the NMOCD, a one foot clay layer was installed at a depth of 7 feet bgs. The clay was compacted to 95% proctor density. The excavation was backfilled with caliche from 6 feet bgs to approximately 3 feet bgs, and with native topsoil from a depth of 3 feet bgs to surface. The surface was graded to native surroundings and the area will be re-seeded.

A drawing is attached that shows the sample and soil borings locations. Also attached are well logs of the soil borings and all analytical data from samples collected at the site.

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: February 4, 2008

Printed Name/Title: Cindy Crain, Geologist / As Agent for BP America 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: Johnson

Printed Name/Title: _____ Signature: ENVIRONMENTAL ENGINEER Date: 2.13.08

Burial Pit
18' Depth

SS-3
BH-2 (85-87')
170 mg/kg

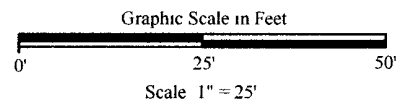
SS-2 (7')
992 mg/kg

SS-5
BH-3 (15-17')
170 mg/kg

SS-4
BH-1 (35-37')
85.1 mg/kg

SS-1
BH-4 (15-17')
191 mg/kg

71'



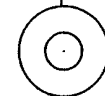
Sample Location GPS Coordinates

BH-4 N32.78138° W103.55303°	BH-1 N32.78137° W103.55341°
SS-2 N32.78169° W103.55301°	BH-3 N32.78150 W103.55322°
BH-2 N32.78168° W103.55339°	

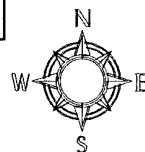
LEGEND

BH-1 (35-37')
85.1 mg/kg

Soil sample/ soil boring location with depth (feet bgs) and chloride concentration (mg/kg)



Well Head



DATE: 2-06-08
NAME: MAC
PROJECT NO.: 0907-007R

FIGURE # 1

LEA COUNTY, NEW MEXICO



BP America
Sunflower 3 #1

UL-D, Sec. 3, T18S, R34E

Site Drawing With Soil Boring
Locations

Ocotillo
ENVIRONMENTAL

Table 1: Summary of Laboratory Analysis of Soil from Borings
BP Sunflower 3 #1
Unit Letter D, Section 3, Township 18 South, Range 34 East
Lea County, New Mexico

Sample Date	Soil Sample Number	Sample Depth (feet BGS)	Field Chloride Readings	Chloride (mg/kg)
10/1/07	SS-1	7	---	5,358
11/1/07	BH-4	15-17	400	191
		20-22	<100	85.1
		25-27	<100	42.5
		30-32	<100	42.5
10/1/07	SS-2	7	---	992
10/1/07	SS-3	7	---	2,159
10/31/07	BH-2	10-12	1500	1,280
		15-17	500	383
		20-22	1000	638
		25-27	2500	3,400
		30-32	2500	2,340
		35-37	2500	3,190
		40-42	2500	3,190
		45-47	2500	2,770
		50-52	1500	3,190
		55-57	750	1,700
		60-62	2000	1,740
		65-67	>2500	1,910
		70-72	2200	1,720
		75-77	1650	1,130
		80-82	1250	766
		85-87	250	170
		90-92	<100	63.8
10/1/07	SS-4	7	---	7,758
10/31/07	BH-1	15-17	>2500	4,470
		20-22	>2500	2,550
		25-27	1500	1,190
		30-32	1250	978
		35-37	250	85.1
		40-42	100	63.8
10/1/07	SS-5	7	---	9,357
11/1/07	BH-3	15-17	250	170
		20-22	200	170
		25-27	<100	85.1
		30-32	<100	21.3

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

Client: BP America

Project: Sunflower 3 #1

Project No.: 0907-007H

Location: UL-D, Sec. 3, T18S, R34E, Lea Co., NM

Log: BH-1

Page: 1 of 1

Geologist: C. Crain

Depth	Symbol	Description	Sample Number	Sample Type	Sample Recovery	Field Chloride ppm	Analytical Data
						500 1500	
0		Ground Surface					
0		Caliche Pinkish White, non-indurated quartz sandy caliche, dry.					
5							7' bgs Chloride: 7,758 mg/kg
10							
15			1	SS	2	2500	15-17' bgs Chloride: 4,470 mg/kg
20			2	SS	2	2500	20-22' bgs Chloride: 2,550 mg/kg
25		Silty Sand Light brown quartz sand, very fine grained, poorly sorted, dry.	3	SS	2	1500	25-27' bgs Chloride: 1,190 mg/kg
30			4	SS	2	1250	30-32' bgs Chloride: 978 mg/kg
35			5	SS	2	250	35-37' bgs Chloride: 85.1 mg/kg
40			6	SS	2	100	40-42' bgs Chloride: 63.8 mg/kg
45		TD at 42 feet bgs					

Ocotillo Environmental, LLC

2125 French Drive
Hobbs, NM 88240
(505) 393-6371

Drill Method: Air Rotary

Drill Date: 10/31/07

Hole Size: 4"

Elevation: NA

Checked by: CKC

Drilled by: Scarborough Drilling

Client: BP America

Project: Sunflower 3 #1

Project No.: 0907-007H

Location: UL-D, Sec. 3, T18S, R34E, Lea Co., NM

Log: BH-2

Page: 1 of 1

Geologist: C. Crain

Depth	Symbol	Description	Sample Number	Sample Type	Sample Recovery	Field Chloride ppm 500 1500	Analytical Data
0		Ground Surface					
5		Caliche Pinkish White, non-indurated quartz sandy caliche, dry.					
10			1		2		7' bgs: Chloride = 2,159 mg/kg
15			2		2		10-12' bgs: Chloride = 1,280 mg/kg
20			3		2		15-17' bgs: Chloride = 383 mg/kg
25			4		2		20-22' bgs: Chloride = 638 mg/kg
30			5		2		25-27' bgs: Chloride = 3,400 mg/kg
35			6		2		30-32' bgs: Chloride = 2,340 mg/kg
40			7		2		35-37' bgs: Chloride = 3,190 mg/kg
45			8		2		40-42' bgs: Chloride = 3,190 mg/kg
50		Silty Sand Light brown quartz sand, very fine grained, poorly sorted, dry.	9		2		45-47' bgs: Chloride = 2,770 mg/kg
55			10		2		50-52' bgs: Chloride = 3,190 mg/kg
60			11		2		55-57' bgs: Chloride = 1,700 mg/kg
65			12		2		60-62' bgs: Chloride = 1,740 mg/kg
70			13		2		65-67' bgs: Chloride = 1,910 mg/kg
75			14		2		70-72' bgs: Chloride = 1,720 mg/kg
80			15		2		75-77' bgs: Chloride = 1,130 mg/kg
85			16		2		80-82' bgs: Chloride = 766 mg/kg
90			17		2		85-90' bgs: Chloride = 170 mg/kg
95		TD at 92 feet bgs					90-92' bgs: Chloride = 63.8 mg/kg

Ocotillo Environmental, LLC

2125 French Drive
Hobbs, NM 88240
(505) 393-6371

Drill Method: Air Rotary

Elevation: NA

Drill Date: 10/31/07 and 11/16/07

Checked by: CKC

Hole Size: 4"

Drilled by: Scarborough Drilling

Client: BP America

Project: Sunflower 3 #1

Project No.: 0907-007H

Location: UL-D, Sec. 3, T18S, R34E, Lea Co., NM

Log: BH-3

Page: 1 of 1

Geologist: C. Crain

Depth	Symbol	Description	Sample Number	Sample Type	Sample Recovery	Field Chloride	Analytical Data
						ppm 500 1500	
0		Ground Surface					
		Caliche Pinkish White, non-indurated quartz sandy caliche, dry.					
5							7' bgs Chloride: 9,357 mg/kg
10							
15			1	SS	2	250	15-17' bgs Chloride: 170 mg/kg
20			2	SS	2	200	20-22' bgs Chloride: 170 mg/kg
25			3	SS	2	100	25-27' bgs Chloride: 85.1 mg/kg
30			4	SS	2	100	30-32' bgs Chloride: 21.3 mg/kg
		TD at 32 feet bgs					
35							

Ocotillo Environmental, LLC

2125 French Drive
Hobbs, NM 88240
(505) 393-6371

Drill Method: Air Rotary

Drill Date: 11/1/07

Hole Size: 4"

Elevation: NA

Checked by: CKC

Drilled by: Scarborough Drilling

Client: BP America

Project: Sunflower 3 #1

Project No.: 0907-007H

Location: UL-D, Sec. 3, T18S, R34E, Lea Co., NM

Log: BH-4

Page: 1 of 1

Geologist: C. Crain

Depth	Symbol	Description	Sample Number	Sample Type	Sample Recovery	Field Chloride	Analytical Data
						ppm 500 1500	
0		Ground Surface					
0		Caliche Pinkish White, non-indurated quartz sandy caliche, dry.					
5							7' bgs Chloride: 5,358 mg/kg
10							
15			1	SS	2	400	15-17' bgs Chloride: 191 mg/kg
20			2	SS	2	100	20-22' bgs Chloride: 85.1 mg/kg
25			3	SS	2	100	25-27' bgs Chloride: 42.5 mg/kg
30			4	SS	2	100	30-32' bgs Chloride: 42.5 mg/kg
32		TD at 32 feet bgs					
35							

Ocotillo Environmental, LLC

2125 French Drive
Hobbs, NM 88240
(505) 393-6371

Drill Method: Air Rotary

Drill Date: 11/1/07

Hole Size: 4"

Elevation: NA

Checked by: CKC

Drilled by: Scarborough Drilling



Cindy Crain <cindy.crain@gmail.com>

Confirmation of Verbal Approval to Backfill, BP America, Sunflower 3 #1 Drilling Pit (API # 30-025-37211)

1 message

Cindy Crain <cindy.crain@gmail.com>

Wed, Jan 23, 2008 at 7:28 PM

To: "Williams, Chris, EMNRD" <chris.williams@state.nm.us>

Cc: "Lowe, Margaret J" <margaret.lowe@bp.com>, darryl.sonnier@bp.com

Dear Chris,

I spoke to you earlier today (1/23/08) regarding the closure activities at the BP America Sunflower 3 #1 drilling pit. The pit is located in Unit Letter D, Section 3, Township 18 South, Range 34 East (API # 30-025-37211).

After informing you of the laboratory results of samples collected from soil borings, you granted verbal approval to install a clay barrier at the currently excavated depth of 7 feet below ground surface (bgs) and backfill the pit. You specified that the clay layer should be at least one foot in thickness, and compacted to 95% proctor density. The excavation will then be backfilled up to 3 feet bgs with soil removed from the original pit construction. The excavation will be backfilled with topsoil from a depth of 3 feet bgs to ground surface, contoured to surface conditions, and re-seeded.

This email serves as confirmation of your verbal approval. BP will be submitting the final C144 documentation when closure activities are completed.

If you have any questions or need additional information, please either email me or give me a call at (505) 441-7244.

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

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 client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (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.



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Defillo Environmental LLC</u>				BILL TO				ANALYSIS REQUEST																																	
Project Manager: <u>Cindy Crain</u>				P.O. #:																																					
Address: <u>2125 French Dr.</u>				Company: <u>Defillo</u>																																					
City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88240</u>				Attn:																																					
Phone #: <u>505-441-7244</u> Fax #: <u>432-272-0304</u>				Address:																																					
Project #: <u>0907-007H</u> Project Owner: <u>BP</u>				City:																																					
Project Name: <u>Sunflower 3 #1</u>				State: Zip:																																					
Project Location: <u>Lea County N.M.</u>				Phone #:																																					
Sampler Name: <u>Steve Cannon</u>				Fax #:																																					
FOR LAB USE ONLY						MATRIX		PRESERV.		SAMPLING		<u>Chloride</u>																													
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP		# CONTAINERS		GROUNDWATER		WASTEWATER														SOIL		OIL		SLUDGE		OTHER		ACID/BASE		ICE / COOL		OTHER		DATE		TIME	
<u>H13406-</u>																																									
<u>1</u>		<u>SS-1 @ 7'</u>		<u>G</u>		<u>1</u>																		<u>✓</u>														<u>4-28-07</u>		<u>4:45</u>	
<u>2</u>		<u>SS-2 @ 7'</u>		<u>G</u>		<u>1</u>																		<u>✓</u>														<u>"</u>		<u>4:50</u>	
<u>3</u>		<u>SS-3 @ 7'</u>		<u>G</u>		<u>1</u>																		<u>✓</u>														<u>"</u>		<u>5:04</u>	
<u>4</u>		<u>SS-4 @ 7'</u>		<u>G</u>		<u>1</u>																		<u>✓</u>														<u>"</u>		<u>5:01</u>	
<u>5</u>		<u>SS-5 @ 7'</u>		<u>G</u>		<u>1</u>						<u>✓</u>														<u>"</u>		<u>4:54</u>													

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: <u>Steve Cannon</u>		Date: <u>10-1-07</u>		Received By: <u>Mike Heine</u>		Date: <u>10/1/07</u>		Time: <u>9:00</u>		Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Add'l Phone #:	
Relinquished By:		Date:		Received By:		Date:		Time:		Fax Result: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:	
Delivered By: (Circle One)		Sample Condition		CHECKED BY:		<u>ASAP please</u>							
Sampler - UPS - Bus - Other:		Cool <input type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>		(Initials) <u>CSH</u>									

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

Analytical Report 292335

for

Ocotillo Environmental, LLC

Project Manager: Cindy Crain

BP Sunflower 3 # 1

0907-007R

12-NOV-07



12600 West I-20 East Odessa, Texas 79765

A Xenco Laboratories Company

Texas certification numbers:

Houston, TX T104704215

Florida certification numbers:

Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America
Midland - Corpus Christi - Atlanta



12-NOV-07

Project Manager: **Cindy Crain**
Ocotillo Environmental, LLC
P.O. Box 1816
Hobbs, NM 88241

Reference: XENCO Report No: **292335**
BP Sunflower 3 # 1
Project Address: Buckeye, NM

Cindy Crain:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 292335. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

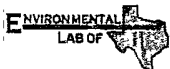
The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 292335 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron, II
Odessa Laboratory Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
Certified and approved by numerous States and Agencies.
A Small Business and Minority Status Company that delivers SERVICE and QUALITY
Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America



Certificate of Analysis Summary 292335

Ocotillo Environmental, LLC, Hobbs, NM

Project Name: BP Sunflower 3 # 1

Project Id: 0907-007R

Contact: Cindy Crain

Project Location: Buckeye, NM

Date Received in Lab: Fri Nov-02-07 12:20 pm


Report Date: 12-NOV-07

Project Manager: Brent Barron, II

<i>Analysis Requested</i>	<i>Lab Id:</i>	292335-001	292335-002	292335-003	292335-004	292335-005	292335-006
	<i>Field Id:</i>	BH-1 (15-17')	BH-1 (20-22')	BH-1 (25-27')	BH-1 (30-32')	BH-1 (35-37')	BH-1 (40-42')
	<i>Depth:</i>	15-17 ft	20-22 ft	25-27 ft	30-32 ft	35-37 ft	40-42 ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Oct-31-07 10:45	Oct-31-07 11:00	Oct-31-07 11:08	Oct-31-07 11:20	Oct-31-07 11:40	Oct-31-07 11:51
Total Chloride by EPA 325.3	<i>Extracted:</i>	Nov-02-07 17:05	Nov-02-07 17:05	Nov-02-07 17:05	Nov-02-07 17:05	Nov-02-07 17:05	Nov-02-07 17:05
	<i>Analyzed:</i>	Nov-02-07 17:05	Nov-02-07 17:05	Nov-02-07 17:05	Nov-02-07 17:05	Nov-02-07 17:05	Nov-02-07 17:05
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		4470 5.00	2550 5.00	1190 5.00	978 5.00	85.1 5.00	63.8 5.00

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Since 1990 Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America


Brent Barron
Odessa Laboratory Director



Certificate of Analysis Summary 292335

Ocotillo Environmental, LLC, Hobbs, NM

Project Name: BP Sunflower 3 # 1

Project Id: 0907-007R

Contact: Cindy Crain

Project Location: Buckeye, NM

Date Received in Lab: Fri Nov-02-07 12:20 pm


Report Date: 12-NOV-07

Project Manager: Brent Barron, II

Analysis Requested	Lab Id:	292335-007	292335-008	292335-009	292335-010	292335-011	292335-012
	Field Id:	BH-2 (10-12')	BH-2 (15-17')	BH-2 (20-22')	BH-2 (25-27')	BH-2 (30-32')	BH-2 (35-37')
	Depth:	10-12 ft	15-17 ft	20-22 ft	25-27 ft	30-32 ft	35-37 ft
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sampled:	Oct-31-07 13:00	Oct-31-07 13:08	Oct-31-07 13:20	Oct-31-07 13:31	Oct-31-07 13:45	Oct-31-07 14:35
Total Chloride by EPA 325.3	Extracted:	Nov-02-07 17:05		Nov-02-07 17:05		Nov-02-07 17:45	
	Analyzed:	Nov-02-07 17:05		Nov-02-07 17:05		Nov-02-07 17:45	
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		1280 5.00	383 5.00	638 5.00	3400 5.00	2340 5.00	3190 5.00

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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Brent Barron
Odessa Laboratory Director



Certificate of Analysis Summary 292335

Ocotillo Environmental, LLC, Hobbs, NM

Project Name: BP Sunflower 3 # 1

Project Id: 0907-007R

Contact: Cindy Crain

Project Location: Buckeye, NM

Date Received in Lab: Fri Nov-02-07 12:20 pm


Report Date: 12-NOV-07

Project Manager: Brent Barron, II

Analysis Requested	Lab Id:	292335-013	292335-014	292335-015	292335-016	292335-017	292335-018
	Field Id:	BH-2 (40-42')	BH-2 (45-47')	BH-2 (50-52')	BH-2 (55-57')	BH-3 (15-17')	BH-3 (20-22')
	Depth:	40-42 ft	45-47 ft	50-52 ft	55-57 ft	15-17 ft	20-22 ft
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sampled:	Oct-31-07 14.45	Oct-31-07 14:53	Oct-31-07 15.05	Oct-31-07 15.25	Nov-01-07 09:20	Nov-01-07 09.29
Total Chloride by EPA 325.3	Extracted:	Nov-02-07 17:45		Nov-02-07 17:45		Nov-02-07 17:45	
	Analyzed:	Nov-02-07 17:45		Nov-02-07 17:45		Nov-02-07 17:45	
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		3190 5.00	2770 5.00	3190 5.00	1700 5.00	170 5.00	170 5.00

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Brent Barron
Odessa Laboratory Director



Certificate of Analysis Summary 292335

Ocotillo Environmental, LLC, Hobbs, NM

Project Name: BP Sunflower 3 # 1

Project Id: 0907-007R

Contact: Cindy Crain

Project Location: Buckeye, NM

Date Received in Lab: Fri Nov-02-07 12:20 pm


Report Date: 12-NOV-07

Project Manager: Brent Barron, II

<i>Analysis Requested</i>	<i>Lab Id:</i>	292335-019	292335-020	292335-021	292335-022	292335-023	292335-024
	<i>Field Id:</i>	BH-3 (25-27')	BH-3 (30-32')	BH-4 (15-17')	BH-4 (20-22')	BH-4 (25-27')	BH-4 (30-32')
	<i>Depth:</i>	25-27 ft	30-32 ft	15-17 ft	20-22 ft	25-27 ft	30-32 ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Nov-01-07 09:45	Nov-01-07 10:03	Nov-01-07 10:32	Nov-01-07 10:49	Nov-01-07 11:10	Nov-01-07 11:18
Total Chloride by EPA 325.3	<i>Extracted:</i>	Nov-02-07 17:45	Nov-02-07 17:45	Nov-02-07 17:45	Nov-02-07 17:45	Nov-02-07 17:45	Nov-02-07 17:45
	<i>Analyzed:</i>	Nov-02-07 17:45	Nov-02-07 17:45	Nov-02-07 17:45	Nov-02-07 17:45	Nov-02-07 17:45	Nov-02-07 17:45
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		85.1 5.00	21.3 5.00	191 5.00	85.1 5.00	42.5 5.00	42.5 5.00

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Brent Barron
Odessa Laboratory Director



Flagging Criteria

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.
 - B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
 - D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
 - E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
 - F** RPD exceeded lab control limits.
 - J** The target analyte was positively identified below the MQL and above the SQL.
 - U** Analyte was not detected.
 - L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
 - H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
 - K** Sample analyzed outside of recommended hold time.
- * Outside XENCO'S scope of NELAC Accreditation

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2505 N. Falkenburg Rd., Tampa, FL 33619
5757 NW 158th St, Miami Lakes, FL 33014

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(214) 902 0300	(214) 351-9139
(210) 509-3334	(201) 509-3335
(813) 620-2000	(813) 620-2033
(305) 823-8500	(305) 823-8555



Blank Spike Recovery

Project Name: BP Sunflower 3 # 1

Work Order #: 292335

Project ID:

0907-007R

Lab Batch #: 707795

Sample: 707795-1-BKS

Matrix: Solid

Date Analyzed: 11/02/2007

Date Prepared: 11/02/2007

Analyst: IRO

Reporting Units: mg/kg

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

Total Chloride by EPA 325.3 Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Chloride	ND	100	91.5	92	75-125	

Lab Batch #: 707797

Sample: 707797-1-BKS

Matrix: Solid

Date Analyzed: 11/02/2007

Date Prepared: 11/02/2007

Analyst: IRO

Reporting Units: mg/kg

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

Total Chloride by EPA 325.3 Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Chloride	ND	100	89.3	89	75-125	

Blank Spike Recovery [D] = $100 * [C] / [B]$

All results are based on MDL and validated for QC purposes.



Form 3 - MS / MSD Recoveries

Project Name: BP Sunflower 3 # 1

Work Order #: 292335

Project ID: 0907-007R

Lab Batch ID: 707795

QC- Sample ID: 292298-001 S

Batch #: 1 Matrix: Soil

Date Analyzed: 11/02/2007

Date Prepared: 11/02/2007

Analyst: IRO

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Total Chloride by EPA 325.3	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes											
Chloride	2130	10000	10600	85	10000	11100	90	6	75-125	30	

Lab Batch ID: 707797

QC- Sample ID: 292335-011 S

Batch #: 1 Matrix: Soil

Date Analyzed: 11/02/2007

Date Prepared: 11/02/2007

Analyst: IRO

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Total Chloride by EPA 325.3	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes											
Chloride	2340	10000	11500	92	10000	11300	90	2	75-125	30	

Matrix Spike Percent Recovery $[D] = 100 \times (C-A)/B$
Relative Percent Difference $RPD = 200 \times (D-G)/(D+G)$

Matrix Spike Duplicate Percent Recovery $[G] = 100 \times (F-A)/E$

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Project Name: BP Sunflower 3 #1
Project #: 0907-007R
Project Loc. Buckeye, NM
PO #.

Report Format: ☐ Standard ☐ TRRP ☐ NPDES

ORDER #: 292335

Special Instructions:

Relinquished by <i>Curtis Cain</i>	Date 11/2/07	Time 12:20	Received by	Date	Time	Labels on container(s) Custody seals on container(s) Custody seals on cooler(s)	Y N N N
Relinquished by	Date	Time	Received by	Date	Time	Sample Hand Delivered by Sampler/Client Rep ? by Courier? UPS DHL FedEx Lone Star	Y N N N
Relinquished by	Date	Time	Received by ELOT <i>Anneka Cain</i>	Date 11-2-07	Time 12:20	Temperature Upon Receipt:	17.0 °C

Laboratory Comments:				
Sample Containers Intact?				N
VOCs Free of Headspace?				N
Labels on container(s)	On 4cl			N
Custody seals on container(s)				N
Custody seals on cooler(s)				N
Sample Hand Delivered				N
by Sampler/Client Rep ?				N
by Courier?	UPS	DHL	FedEx	Lone Star
40271953				
Temperature Upon Receipt?			17.0	°C

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Project Name: BP Sunflower 3 #1

Project #: 0907-007R

Project Loc. Buckeye, NM

PO #:

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

(lab use only)

ORDER #:

291335

[illegible]

Special Instructions:

Laboratory Comments:

Sample Containers Intact?

VOCs Free of Headspace?

Labels on container(s) ☒ ON ☐ L

Custody seals on container(s)

	Custody seals on cooler(s)
--	----------------------------

Sample Hand Delivered

by Sampler/Client Rep ?
by Courier? URS DE

by Courier? UPS
6/02 071455

Temperature Upon Receipt

Temperature upon receipt	
--------------------------	--

Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

Phone: 432-583-1800
Fax: 432-583-1713

Project Manager: Cindy Crain
Company Name: Ocotillo Environmental, LLC
Company Address: PO Box 1818
City/State/Zip: Hobbs, NM 88241
Telephone No: (505) 441-7244
Fax No: (432) 272-0304
Sampler Signature: Cindy Crain
e-mail: cindy.crain@gmail.com

Project Name: BP Sunflower 3 #1
Project #: 0907-007R
Project Loc: Buckeye, NM
PO #: _____
Report Format: ☒ Standard ☐ TRRP ☐ NPDES

(lab use only)

ORDER #: 292335

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers										Matrix	Analyze For:										RUSH TAT (Pre-shipment) 24 hr. 72 hrs	Standard TAT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
								Ice	HNO ₃	HCl	H ₂ SO ₄	NaOH	Na ₂ S ₂ O ₈	None	Other (Specify)	SW/Deionized Water	EL-Eluate		ON - Groundwater	SP-Surface Soil	NP/Non-Petroleum	Specify Other	TX 1006	TX 1008	TX 1009	TX 1010	TX 1011	TX 1012			TX 1013	TX 1014	TX 1015	TX 1016	TX 1017	TX 1018	TX 1019	TX 1020	TX 1021	TX 1022	TX 1023	TX 1024	TX 1025	TX 1026	TX 1027	TX 1028	TX 1029	TX 1030	TX 1031	TX 1032	TX 1033	TX 1034	TX 1035	TX 1036	TX 1037	TX 1038	TX 1039	TX 1040	TX 1041	TX 1042	TX 1043	TX 1044	TX 1045	TX 1046	TX 1047	TX 1048	TX 1049	TX 1050	TX 1051	TX 1052	TX 1053	TX 1054	TX 1055	TX 1056	TX 1057	TX 1058	TX 1059	TX 1060	TX 1061	TX 1062	TX 1063	TX 1064	TX 1065	TX 1066	TX 1067	TX 1068	TX 1069	TX 1070	TX 1071	TX 1072	TX 1073	TX 1074	TX 1075	TX 1076	TX 1077	TX 1078	TX 1079	TX 1080	TX 1081	TX 1082	TX 1083	TX 1084	TX 1085	TX 1086	TX 1087	TX 1088	TX 1089	TX 1090	TX 1091	TX 1092	TX 1093	TX 1094	TX 1095	TX 1096	TX 1097	TX 1098	TX 1099	TX 1100	TX 1101	TX 1102	TX 1103	TX 1104	TX 1105	TX 1106	TX 1107	TX 1108	TX 1109	TX 1110	TX 1111	TX 1112	TX 1113	TX 1114	TX 1115	TX 1116	TX 1117	TX 1118	TX 1119	TX 1120	TX 1121	TX 1122	TX 1123	TX 1124	TX 1125	TX 1126	TX 1127	TX 1128	TX 1129	TX 1130	TX 1131	TX 1132	TX 1133	TX 1134	TX 1135	TX 1136	TX 1137	TX 1138	TX 1139	TX 1140	TX 1141	TX 1142	TX 1143	TX 1144	TX 1145	TX 1146	TX 1147	TX 1148	TX 1149	TX 1150	TX 1151	TX 1152	TX 1153	TX 1154	TX 1155	TX 1156	TX 1157	TX 1158	TX 1159	TX 1160	TX 1161	TX 1162	TX 1163	TX 1164	TX 1165	TX 1166	TX 1167	TX 1168	TX 1169	TX 1170	TX 1171	TX 1172	TX 1173	TX 1174	TX 1175	TX 1176	TX 1177	TX 1178	TX 1179	TX 1180	TX 1181	TX 1182	TX 1183	TX 1184	TX 1185	TX 1186	TX 1187	TX 1188	TX 1189	TX 1190	TX 1191	TX 1192	TX 1193	TX 1194	TX 1195	TX 1196	TX 1197	TX 1198	TX 1199	TX 1200	TX 1201	TX 1202	TX 1203	TX 1204	TX 1205	TX 1206	TX 1207	TX 1208	TX 1209	TX 1210	TX 1211	TX 1212	TX 1213	TX 1214	TX 1215	TX 1216	TX 1217	TX 1218	TX 1219	TX 1220	TX 1221	TX 1222	TX 1223	TX 1224	TX 1225	TX 1226	TX 1227	TX 1228	TX 1229	TX 1230	TX 1231	TX 1232	TX 1233	TX 1234	TX 1235	TX 1236	TX 1237	TX 1238	TX 1239	TX 1240	TX 1241	TX 1242	TX 1243	TX 1244	TX 1245	TX 1246	TX 1247	TX 1248	TX 1249	TX 1250	TX 1251	TX 1252	TX 1253	TX 1254	TX 1255	TX 1256	TX 1257	TX 1258	TX 1259	TX 1260	TX 1261	TX 1262	TX 1263	TX 1264	TX 1265	TX 1266	TX 1267	TX 1268	TX 1269	TX 1270	TX 1271	TX 1272	TX 1273	TX 1274	TX 1275	TX 1276	TX 1277	TX 1278	TX 1279	TX 1280	TX 1281	TX 1282	TX 1283	TX 1284	TX 1285	TX 1286	TX 1287	TX 1288	TX 1289	TX 1290	TX 1291	TX 1292	TX 1293	TX 1294	TX 1295	TX 1296	TX 1297	TX 1298	TX 1299	TX 1300	TX 1301	TX 1302	TX 1303	TX 1304	TX 1305	TX 1306	TX 1307	TX 1308	TX 1309	TX 1310	TX 1311	TX 1312	TX 1313	TX 1314	TX 1315	TX 1316	TX 1317	TX 1318	TX 1319	TX 1320	TX 1321	TX 1322	TX 1323	TX 1324	TX 1325	TX 1326	TX 1327	TX 1328	TX 1329	TX 1330	TX 1331	TX 1332	TX 1333	TX 1334	TX 1335	TX 1336	TX 1337	TX 1338	TX 1339	TX 1340	TX 1341	TX 1342	TX 1343	TX 1344	TX 1345	TX 1346	TX 1347	TX 1348	TX 1349	TX 1350	TX 1351	TX 1352	TX 1353	TX 1354	TX 1355	TX 1356	TX 1357	TX 1358	TX 1359	TX 1360	TX 1361	TX 1362	TX 1363	TX 1364	TX 1365	TX 1366	TX 1367	TX 1368	TX 1369	TX 1370	TX 1371	TX 1372	TX 1373	TX 1374	TX 1375	TX 1376	TX 1377	TX 1378	TX 1379	TX 1380	TX 1381	TX 1382	TX 1383	TX 1384	TX 1385	TX 1386	TX 1387	TX 1388	TX 1389	TX 1390	TX 1391	TX 1392	TX 1393	TX 1394	TX 1395	TX 1396	TX 1397	TX 1398	TX 1399	TX 1400	TX 1401	TX 1402	TX 1403	TX 1404	TX 1405	TX 1406	TX 1407	TX 1408	TX 1409	TX 1410	TX 1411	TX 1412	TX 1413	TX 1414	TX 1415	TX 1416	TX 1417	TX 1418	TX 1419	TX 1420	TX 1421	TX 1422	TX 1423	TX 1424	TX 1425	TX 1426	TX 1427	TX 1428	TX 1429	TX 1430	TX 1431	TX 1432	TX 1433	TX 1434	TX 1435	TX 1436	TX 1437	TX 1438	TX 1439	TX 1440	TX 1441	TX 1442	TX 1443	TX 1444	TX 1445	TX 1446	TX 1447	TX 1448	TX 1449	TX 1450	TX 1451	TX 1452	TX 1453	TX 1454	TX 1455	TX 1456	TX 1457	TX 1458	TX 1459	TX 1460	TX 1461	TX 1462	TX 1463	TX 1464	TX 1465	TX 1466	TX 1467	TX 1468	TX 1469	TX 1470	TX 1471	TX 1472	TX 1473	TX 1474	TX 1475	TX 1476	TX 1477	TX 1478	TX 1479	TX 1480	TX 1481	TX 1482	TX 1483	TX 1484	TX 1485	TX 1486	TX 1487	TX 1488	TX 1489	TX 1490	TX 1491	TX 1492	TX 1493	TX 1494	TX 1495	TX 1496	TX 1497	TX 1498	TX 1499	TX 1500	TX 1501	TX 1502	TX 1503	TX 1504	TX 1505	TX 1506	TX 1507	TX 1508	TX 1509	TX 1510	TX 1511	TX 1512	TX 1513	TX 1514	TX 1515	TX 1516	TX 1517	TX 1518	TX 1519	TX 1520	TX 1521	TX 1522	TX 1523	TX 1524	TX 1525	TX 1526	TX 1527	TX 1528	TX 1529	TX 1530	TX 1531	TX 1532	TX 1533	TX 1534	TX 1535	TX 1536	TX 1537	TX 1538	TX 1539	TX 1540	TX 1541	TX 1542	TX 1543	TX 1544	TX 1545	TX 1546	TX 1547	TX 1548	TX 1549	TX 1550	TX 1551	TX 1552	TX 1553	TX 1554	TX 1555	TX 1556	TX 1557	TX 1558	TX 1559	TX 1560	TX 1561	TX 1562	TX 1563	TX 1564	TX 1565	TX 1566	TX 1567	TX 1568	TX 1569	TX 1570	TX 1571	TX 1572	TX 1573	TX 1574	TX 1575	TX 1576	TX 1577	TX 1578	TX 1579	TX 1580	TX 1581	TX 1582	TX 1583	TX 1584	TX 1585	TX 1586	TX 1587	TX 1588	TX 1589	TX 1590	TX 1591	TX 1592	TX 1593	TX 1594	TX 1595	TX 1596	TX 1597	TX 1598	TX 1599	TX 1600	TX 1601	TX 1602	TX 1603	TX 1604	TX 1605	TX 1606	TX 1607	TX 1608	TX 1609	TX 1610	TX 1611	TX 1612	TX 1613	TX 1614	TX 1615	TX 1616	TX 1617	TX 1618	TX 1619	TX 1620	TX 1621	TX 1622	TX 1623	TX 1624	TX 1625	TX 1626	TX 1627	TX 1628	TX 1629	TX 1630	TX 1631	TX 1632	TX 1633	TX 1634	TX 1635	TX 1636	TX 1637	TX 1638	TX 1639	TX 1640	TX 1641	TX 1642	TX 1643	TX 1644	TX 1645	TX 1646	TX 1647	TX 1648	TX 1649	TX 1650	TX 1651	TX 1652	TX 1653	TX 1654	TX 1655	TX 1656	TX 1657	TX 1658	TX 1659	TX 1660	TX 1661	TX 1662	TX 1663	TX 1664	TX 1665	TX 1666	TX 1667	TX 1668	TX 1669	TX 1670	TX 1671	TX 1672	TX 1673	TX 1674	TX 1675	TX 1676	TX 1677	TX 1678	TX 1679	TX 1680	TX 1681	TX 1682	TX 1683	TX 1684	TX 1685	TX 1686	TX 1687	TX 1688	TX 1689	TX 1690	TX 1691	TX 1692	TX 1693	TX 1694	TX 1695	TX 1696	TX 1697	TX 1698	TX 1699	TX 1700	TX 1701	TX 1702	TX 1703	TX 1704	TX 1705	TX 1706	TX 1707	TX 1708	TX 1709	TX 1710	TX 1711	TX 1712	TX 1713	TX 1714	TX 1715	TX 1716	TX 1717	TX 1718	TX 1719	TX 1720	TX 1721	TX 1722	TX 1723	TX 1724	TX 1725	TX 1726	TX 1727	TX 1728	TX 1729	TX 1730	TX 1731	TX 1732	TX 1733	TX 1734	TX 1735	TX 1736	TX 1737	TX 1738	TX 1739	TX 1740	TX 1741	TX 1742	TX 1743	TX 1744	TX 1745	TX 1746	TX 1747	TX 1748	TX 1749	TX 1750	TX 1751	TX 1752	TX 1753	TX 1754	TX 1755	TX 1756	TX 1757	TX 1758	TX 1759	TX 1760	TX 1761	TX 1762	TX 1763	TX 1764	TX 1765	TX 1766	TX 1767	TX 1768	TX 1769	TX 1770	TX 1771	TX 1772	TX 1773	TX 1774	TX 1775	TX 1776	TX 1777	TX 1778	TX 1779	TX 1780	TX 1781	TX 1782	TX 1783	TX 1784	TX 1785	TX 1786	TX 1787	TX 1788	TX 1789	TX 1790	TX 1791	TX 1792	TX 1793	TX 1794	TX 1795	TX 1796	TX 1797	TX 1798	TX 1799	TX 1800	TX 1801	TX 1802	TX 1803	TX 1804	TX 1805	TX 1806	TX 1807	TX 1808	TX 1809	TX 1810	TX 1811	TX 1812	TX 1813	TX 1814	TX 1815	TX 1816	TX 1817	TX 1818	TX 1819	TX 1820	TX 1821	TX 1822	TX 1823	TX 1824	TX 1825	TX 1826	TX 1827	TX 1828	TX 1829	TX 1830	TX 1831	TX 1832	TX 1833	TX 1834	TX 1835	TX 1836	TX 1837	TX 1838	TX 1839	TX 1840	TX 1841	TX 1842	TX 1843	TX 1844	TX 1845	TX 1846	TX 1847	TX 1848	TX 1849	TX 1850	TX 1851	TX 1852	TX 1853	TX 1854	TX 1855	TX 1856	TX 1857	TX 1858	TX 1859	TX 1860	TX 1861	TX 1862	TX 1863	TX 1864	TX 1865	TX 1866	TX 1867	TX 1868	TX 1869	TX 1870	TX 1871	TX 1872	TX 1873	TX 1874	TX 1875	TX 1876	TX 1877	TX 1878	TX 1879	TX 1880	TX 1881	TX 1882	TX 1883	TX 1884	TX 1885	TX 1886	TX 1887	TX 1888	TX 1889	TX 1890	TX 1891	TX 1892	TX 1893	TX 1894	TX 1895	TX 1896	TX 1897	TX 1898	TX 1899	TX 1900	TX 1901	TX 1902	TX 1903	TX 1904	TX 1905	TX 1906	TX 1907	TX 1908	TX 1909	TX 1910	TX 1911	TX 1912	TX 1913	TX 1914	TX 1915	TX 1916	TX 1917	TX 1918	TX 1919	TX 1920	TX 1921	TX 1922	TX 1923	TX 1924	TX 1925	TX 1926	TX 1927	TX 1928	TX 1929	TX 1930	TX 1931	TX 1932	TX 1933	TX 1934	TX 1935	TX 1936	TX 1937	TX 1938	TX 1939	TX 1940	TX 1941	TX 1942	TX 1943	TX 1944	TX 1945	TX 1946	TX 1947	TX 1948	TX 1949	TX 1950	TX 1951	TX 1952	TX 1953	TX 1954	TX 1955	TX 1956	TX 1957	TX 1958	TX 1959	TX 1960	TX 1961	TX 1962	TX 1963	TX 1964	TX 1965	TX 1966	TX 1967	TX 1968	TX 1969	TX 1970	TX 1971	TX 1972	TX 1973	TX 1974	TX 1975	TX 1976	TX 1977	TX 1978	TX 1979	TX 1980	TX 1981	TX 1982	TX 1983	TX 1984	TX 1985	TX 1986	TX 1987	TX 1988	TX 1989	TX 1990	TX 1991	TX 1992	TX 1993	TX 1994	TX 1995	TX 1996	TX 1997	TX 1998	TX 1999	TX 2000	TX 2001	TX 2002	TX 2003	TX 2004	TX 2005	TX 2006	TX 2007	TX 2008	TX 2009	TX 2010	TX 2011	TX 2012	TX 2013	TX 2014	TX 2015	TX 2016	TX 2017	TX 2018	TX 2019	TX 2020	TX 2021	TX 2022	TX 2023	TX 2024	TX 2025	TX 2026	TX 2027	TX 2028	TX 2029	TX 2030	TX 2031	TX 2032	TX 2033	TX 2034	TX 2035	TX 2036	TX 2037	TX 2038

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

Client Ocotillo Env.
Date/ Time 11-2-07 12:20
Lab ID # 242335
Initials RL

Sample Receipt Checklist

				Client Initials
#1	Temperature of container/ cooler?	<input checked="" type="checkbox"/> Yes	No	17.0 °C
#2	Shipping container in good condition?	<input checked="" type="checkbox"/> 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?	<input checked="" type="checkbox"/> Yes	No	
#6	Sample instructions complete of Chain of Custody?	<input checked="" type="checkbox"/> Yes	No	
#7	Chain of Custody signed when relinquished/ received?	<input checked="" type="checkbox"/> 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?	<input checked="" type="checkbox"/> Yes	No	Not Applicable
#10	Sample matrix/ properties agree with Chain of Custody?	<input checked="" type="checkbox"/> Yes	No	
#11	Containers supplied by ELOT?	<input checked="" type="checkbox"/> Yes	No	
#12	Samples in proper container/ bottle?	<input checked="" type="checkbox"/> Yes	No	See Below
#13	Samples properly preserved?	<input checked="" type="checkbox"/> Yes	No	See Below
#14	Sample bottles intact?	<input checked="" type="checkbox"/> Yes	No	
#15	Preservations documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	No	
#16	Containers documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	No	
#17	Sufficient sample amount for Indicated test(s)?	<input checked="" type="checkbox"/> Yes	No	See Below
#18	All samples received within sufficient hold time?	<input checked="" type="checkbox"/> Yes	No	See Below
#19	Subcontract of sample(s)?	Yes	No	Not Applicable
#20	VOC samples have zero headspace?	<input checked="" type="checkbox"/> 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 Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

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

Page 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: BP Sunflower 3 #1

Project #: 0907-007R

Project Loc: Buckeye, NM

PO #: _____

Report Format: ☐ Standard ☐ TRRP ☐ NPDES

(lab use only)

ORDER #: 292335

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers								Matrix		Analyze For:														RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
								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 Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N O R M		
01	BH-1 (15-17')	15	17	10/31/2007	1045		1							x		S								X									X
02	BH-1 (20-22')	20	22	10/31/2007	1100		1							x		S								X									X
03	BH-1 (25-27')	25	27	10/31/2007	1108		1							x		S								X									X
04	BH-1 (30-32')	30	32	10/31/2007	1120		1							x		S								X									X
05	BH-1 (35-37')	35	37	10/31/2007	1140		1							x		S								X									X
06	BH-1 (40-42')	40	42	10/31/2007	1151		1							x		S								X									X
07	BH-2 (10-12')	10	12	10/31/2007	1300		1							x		S								X									X
08	BH-2 (15-17')	15	17	10/31/2007	1308		1							x		S								X									X
09	BH-2 (20-22')	20	22	10/31/2007	1320		1							x		S								X									X
10	BH-2 (25-27')	25	27	10/31/2007	1331		1							x		S								X									X

Special Instructions:

Relinquished by: <u><i>Cindy Crain</i></u>	Date: <u>11/2/07</u>	Time: <u>1220</u>	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by: <u><i>Andrea Lamm</i></u>	Date: <u>11-2-07</u>	Time: <u>12:20</u>

Laboratory Comments:

Sample Containers Intact? Y N
VOCs Free of Headspace? Y N
Labels on container(s) on lid 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
402 g/lss
Temperature Upon Receipt: 17.0 °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

Page 2 of 3

Project Manager: Cindy Crain

Project Name: BP Sunflower 3 #1

Company Name: Ocotillo Environmental, LLC

Project #: 0907-007R

Company Address: PO Box 1816

Project Loc: Buckeye, NM

City/State/Zip: Hobbs, NM 88241

PO #: _____

Telephone No: (505) 441-7244

Fax No: (432) 272-0304

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: 

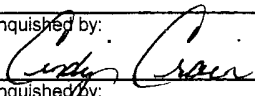
e-mail: cindy.crain@gmail.com

(lab use only)

ORDER #: 292335

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 801	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	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.							RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
11	BH-2 (30-32')	30	32	10/31/2007	1345		1							x		S				X															X
12	BH-2 (35-37')	35	37	10/31/2007	1435		1							x		S				X															X
13	BH-2 (40-42')	40	42	10/31/2007	1445		1							x		S				X															X
14	BH-2 (45-47')	45	47	10/31/2007	1453		1							x		S				X															X
15	BH-2 (50-52')	50	52	10/31/2007	1505		1							x		S				X															X
16	BH-2 (55-57')	55	57	10/31/2007	1525		1							x		S				X															X
17	BH-3 (15-17')	15	17	11/1/2007	0920		1							x		S				X															X
18	BH-3 (20-22')	20	22	11/1/2007	0929		1							x		S				X															X
19	BH-3 (25-27')	25	27	11/1/2007	0945		1							x		S				X															X
20	BH-3 (30-32')	30	32	11/1/2007	1003		1							x		S				X															X

Special Instructions:

Relinquished by: <u></u>	Date: <u>11/2/07</u>	Time: <u>1220</u>	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by: <u>Andrea Lam</u>	Date: <u>11-2-07</u>	Time: <u>12:20</u>

Laboratory Comments:

Sample Containers Intact? Y N
VOCs Free of Headspace? Y N
Labels on container(s) on lid 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 Lone Star
4 oz glass
Temperature Upon Receipt: 17.0 °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

Project Name: BP Sunflower 3 #1

Company Name Ocotillo Environmental, LLC

Project #: 0907-007R

Company Address: PO Box 1816

Project Loc: Buckeye, NM

City/State/Zip: Hobbs, NM 88241

PO #: _____

Telephone No: (505) 441-7244

Fax No: (432) 272-0304

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: 

e-mail: cindy.crain@gmail.com

(lab use only)

ORDER #: 291335

[illegible]

Special Instructions:

Relinquished by: <i>Linda Crain</i>	Date <i>11/2/07</i>	Time <i>1220</i>	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT <i>Andres Lam</i>	Date <i>11-2-07</i>	Time <i>12:30</i>

Laboratory Comments:

Sample Containers Intact?	<input checked="" type="checkbox"/>	N
VOCs Free of Headspace?	<input checked="" type="checkbox"/>	N
Labels on container(s) <i>02 lid</i>	<input checked="" type="checkbox"/>	N
Custody seals on container(s)	<input checked="" type="checkbox"/>	N
Custody seals on cooler(s)	<input checked="" type="checkbox"/>	N
Sample Hand Delivered	<input checked="" type="checkbox"/>	N
by Sampler/Client Rep. ?	<input checked="" type="checkbox"/>	N
by Courier? UPS DHL FedEx Lone Star		
<i>4 02 glass</i>		
Temperature Upon Receipt:	<i>17.0</i>	°C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Ocotillo Env.

Date/ Time: 11-2-07 12:20

Lab ID #: 292335

Initials: al

Sample Receipt Checklist

				Client Initials
#1	Temperature of container/ cooler?	<u>Yes</u>	No	17.0 °C
#2	Shipping container in good condition?	<u>Yes</u>	No	
#3	Custody Seals intact on shipping container/ cooler?	<u>Yes</u>	No	<u>Not Present</u>
#4	Custody Seals intact on sample bottles/ container?	<u>Yes</u>	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)?	<u>Yes</u>	No	<u>IB written on Cont./ Lid</u>
#9	Container label(s) legible and intact?	<u>Yes</u>	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)?	<u>Yes</u>	No	<u>Not Applicable</u>
#20	VOC samples have zero headspace?	<u>Yes</u>	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 Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

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

COPY

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: BP Sunflower 3 #1

Project #: 0907-007R

Project Loc: Buckeye, NM

PO #: _____

Report Format: ☐ Standard ☐ TRRP ☐ NPDES

(lab use only)

ORDER #:

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 Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N O.R.M.							RUSH TAT (Pre-Schedule) 24	Standard TAT	
	BH-1 (15-17')	15	17	10/31/2007	1045		1							X		S				X															X
	BH-1 (20-22')	20	22	10/31/2007	1100		1							X		S				X															X
	BH-1 (25-27')	25	27	10/31/2007	1108		1							X		S				X															X
	BH-1 (30-32')	30	32	10/31/2007	1120		1							X		S				X															X
	BH-1 (35-37')	35	37	10/31/2007	1140		1							X		S				X															X
	BH-1 (40-42')	40	42	10/31/2007	1151		1							X		S				X															X
	BH-2 (10-12')	10	12	10/31/2007	1300		1							X		S				X															X
	BH-2 (15-17')	15	17	10/31/2007	1308		1							X		S				X															X
	BH-2 (20-22')	20	22	10/31/2007	1320		1							X		S				X															X
	BH-2 (25-27')	25	27	10/31/2007	1331		1							X		S				X															X

Special Instructions:

Relinquished by: <u><i>Cindy Crain</i></u>	Date: <u>11/2/07</u>	Time: <u>1220</u>	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by: <u><i>Anisha Lam</i></u>	Date: <u>11-2-07</u>	Time: <u>12:20</u>

Laboratory Comments:

Sample Containers Intact? Y N
VOCs Free of Headspace? Y N
Labels on container(s) on lid 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? Y N
UPS DHL FedEx Lone Star
Temperature Upon Receipt: 17.0 °C

Environmental Lab of Texas

COPY

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: 

Fax No: (432) 272-0304

e-mail: cindy.crain@gmail.com

Project Name: BP Sunflower 3 #1

Project #: 0907-007R

Project Loc: Buckeye, NM

PO #: _____

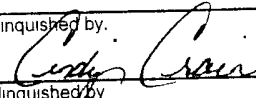
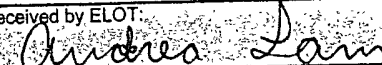
Report Format: ☒ Standard ☐ TRRP ☐ NPDES

(lab use only)

ORDER #:

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 (SO ₄ , Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Mn Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT	
	BH-2 (30-32')	30	32	10/31/2007	1345		1							x		S				X									X
	BH-2 (35-37')	35	37	10/31/2007	1435		1							x		S				X									X
	BH-2 (40-42')	40	42	10/31/2007	1445		1							x		S				X									X
	BH-2 (45-47')	45	47	10/31/2007	1453		1							x		S				X									X
	BH-2 (50-52')	50	52	10/31/2007	1505		1							x		S				X									X
	BH-2 (55-57')	55	57	10/31/2007	1525		1							x		S				X									X
	BH-3 (15-17')	15	17	11/1/2007	0920		1							x		S				X									X
	BH-3 (20-22')	20	22	11/1/2007	0929		1							x		S				X									X
	BH-3 (25-27')	25	27	11/1/2007	0945		1							x		S				X									X
	BH-3 (30-32')	30	32	11/1/2007	1003		1							x		S				X									X
Laboratory Comments:																													

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
	11/2/07	1220			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
				11/2/07	12:20

Laboratory Comments:

Sample Containers Intact? ☒ Y ☐ N
VOCs Free of Headspace? ☒ Y ☐ N
Labels on container(s) on lid ☒ 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 ☒ Y ☐ N DHL ☐ FedEx ☐ Lone Star
Temperature Upon Receipt: 17.0 °C

COPY

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

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sample Containers Intact?	<input checked="" type="checkbox"/>	N
VOCs Free of Headspace?	<input checked="" type="checkbox"/>	N
Labels on container(s) <i>on lid</i>	<input checked="" type="checkbox"/>	N
Custody seals on container(s)	<input checked="" type="checkbox"/>	N
Custody seals on cooler(s)	<input checked="" type="checkbox"/>	N
Sample Hand Delivered	<input checked="" type="checkbox"/>	N
by Sampler/Client Rep. ?		N
by Courier?	UPS	DHL
	FedEx	Lone Star
40291455		
Temperature Upon Receipt:	17.0	°C

Analytical Report 293285

for

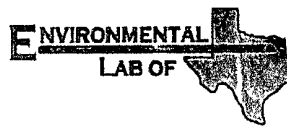
Ocotillo Environmental, LLC

Project Manager: Cindy Crain

BP Sunflower 3 #1

0907-007H

20-NOV-07



12600 West I-20 East Odessa, Texas 79765

A Xenco Laboratories Company

Texas certification numbers:
Houston, TX T104704215

Florida certification numbers:
Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America
Midland - Corpus Christi - Atlanta



20-NOV-07

Project Manager: **Cindy Crain**
Ocotillo Environmental, LLC
P.O. Box 1816
Hobbs, NM 88241

Reference: XENCO Report No: **293285**
BP Sunflower 3 #1
Project Address: Buckeye, NM

Cindy Crain:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 293285. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 293285 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

A handwritten signature in black ink, appearing to read "Brent Barron, II", is written over a horizontal line.

Brent Barron, II
Odessa Laboratory Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.

Certified and approved by numerous States and Agencies.

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Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America



Sample Cross Reference 293285

Ocotillo Environmental, LLC, Hobbs, NM

BP Sunflower 3 #1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
BH-2 (60-62')	S	Nov-16-07 11:07	60 - 62 ft	293285-001
BH-2 (65-67')	S	Nov-16-07 11:21	65 - 67 ft	293285-002
BH-2 (70-72')	S	Nov-16-07 11:41	70 - 72 ft	293285-003
BH-2 (75-77')	S	Nov-16-07 12:00	75 - 77 ft	293285-004
BH-2 (80-82')	S	Nov-16-07 12:17	80 - 82 ft	293285-005
BH-2 (85-87')	S	Nov-16-07 12:35	85 - 87 ft	293285-006
BH-2 (90-92')	S	Nov-16-07 12:50	90 - 92 ft	293285-007



Certificate of Analysis Summary 293285

Ocotillo Environmental, LLC, Hobbs, NM

Project Name: BP Sunflower 3 #1

Project Id: 0907-007H

Contact: Cindy Crain

Project Location: Buckeye, NM

Date Received in Lab: Sat Nov-17-07 11:27 am


Report Date: 20-NOV-07

Project Manager: Brent Barron, II

Analysis Requested	Lab Id:	293285-001	293285-002	293285-003	293285-004	293285-005	293285-006
	Field Id:	BH-2 (60-62')	BH-2 (65-67')	BH-2 (70-72')	BH-2 (75-77')	BH-2 (80-82')	BH-2 (85-87')
	Depth:	60-62 ft	65-67 ft	70-72 ft	75-77 ft	80-82 ft	85-87 ft
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sampled:	Nov-16-07 11:07	Nov-16-07 11:21	Nov-16-07 11:41	Nov-16-07 12:00	Nov-16-07 12:17	Nov-16-07 12:35
Total Chloride by EPA 325.3	Extracted:	Nov-20-07 00:00	Nov-20-07 00:00	Nov-20-07 00:00	Nov-20-07 00:00	Nov-20-07 00:00	Nov-20-07 00:00
	Analyzed:	Nov-20-07 00:00	Nov-20-07 00:00	Nov-20-07 00:00	Nov-20-07 00:00	Nov-20-07 00:00	Nov-20-07 00:00
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		1740 5.00	1910 5.00	1720 5.00	1130 5.00	766 5.00	170 5.00

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Since 1990 Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America


Brent Barron
Odessa Laboratory Director



Certificate of Analysis Summary 293285

Ocotillo Environmental, LLC, Hobbs, NM

Project Id: 0907-007H

Contact: Cindy Crain

Project Location: Buckeye, NM

Project Name: BP Sunflower 3 #1

Date Received in Lab: Sat Nov-17-07 11:27 am


Report Date: 20-NOV-07

Project Manager: Brent Barron, II

Analysis Requested	Lab Id:	293285-007					
	Field Id:	BH-2 (90-92')					
	Depth:	90-92 ft					
	Matrix:	SOIL					
	Sampled:	Nov-16-07 12:50					
Total Chloride by EPA 325.3	Extracted:	Nov-20-07 00:00					
	Analyzed:	Nov-20-07 00:00					
	Units/RL:	mg/kg RL					
Chloride		63.8 5.00					

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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Brent Barron
Odessa Laboratory Director



Flagging Criteria

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.
 - B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
 - D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
 - E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
 - F** RPD exceeded lab control limits.
 - J** The target analyte was positively identified below the MQL and above the SQL.
 - U** Analyte was not detected.
 - L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
 - H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
 - K** Sample analyzed outside of recommended hold time.
- * Outside XENCO'S scope of NELAC Accreditation

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5332 Blackberry Drive, Suite 104, San Antonio, TX 78238
2505 N. Falkenburg Rd., Tampa, FL 33619
5757 NW 158th St, Miami Lakes, FL 33014

Phone	Fax
(281) 589-0692	(281) 589-0695
(214) 902 0300	(214) 351-9139
(210) 509-3334	(201) 509-3335
(813) 620-2000	(813) 620-2033
(305) 823-8500	(305) 823-8555



Blank Spike Recovery

Project Name: BP Sunflower 3 #1

Work Order #: 293285

Project ID:

0907-007H

Lab Batch #: 708899

Sample: 708899-1-BKS

Matrix: Solid

Date Analyzed: 11/20/2007

Date Prepared: 11/20/2007

Analyst: LATCOR

Reporting Units: mg/kg

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

Total Chloride by EPA 325.3 Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike % R [D]	Control Limits % R	Flags
Chloride	ND	100	95.7	96	75-125	

Blank Spike Recovery $[D] = 100 * [C] / [B]$

All results are based on MDL and validated for QC purposes.



Form 3 - MS / MSD Recoveries

Project Name: BP Sunflower 3 #1

Work Order # 293285

Project ID: 0907-007H

Lab Batch ID: 708899

QC- Sample ID: 293285-006 S

Batch #: 1 Matrix: Soil

Date Analyzed: 11/20/2007

Date Prepared: 11/20/2007

Analyst: LATCOR

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Total Chloride by EPA 325.3 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	170	1000	1170	100	1000	1150	98	2	75-125	30	

Matrix Spike Percent Recovery $[D] = 100 * (C - A) / B$
Relative Percent Difference $RPD = 200 * (D - G) / (D + G)$

Matrix Spike Duplicate Percent Recovery $[G] = 100 * (F - A) / E$

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA =
Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Sampler Signature Cindy Crain e-mail: cindy.crain@gmail.com

Project Name: BP Summit 3 #1
Project #: 0907-007H
Project Loc: Buckeye, NM
PO # _____
Report Format: ☒ Standard ☐ TDR ☐ NIPDS

[illegible]

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

Client Occultus Env. Control
Date/ Time 11-17-07 @ 1127
Lab ID # 293205
Initials J.M.F.

Sample Receipt Checklist

				Client Initials	
#1	Temperature of container/ cooler?	<u>(Yes)</u>	No	15.5	° 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 / ID)</u>	
#9	Container label(s) legible and intact?	Yes	No	<u>(Not Applicable)</u>	
#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>	

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

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

Project Name: BP Sunflower 3 #1

Company Name	Ocotillo Environmental, LLC
--------------	-----------------------------

Project #: 0907-0074

Company Address: PO Box 1816

Project Loc: Buckeye, NM

City/State/Zip: Hobbs, NM 88241

PO #:

Telephone No: (505) 441-7244

Fax No: (432) 272-0304

Report Format:

NPDES

Sampler Signature:

cindy.crain@gmail.com

(lab use only)

293205

[illegible]

Special Instructions:

Laboratory Comments:

Relinquished by:

Date	Time
------	------

Received by:

Date	Time
------	------

Labels on container(s):

Relinquished by: [Signature]

Date _____

Time

Received by.

Date	Time
------	------

Sample Hand Delivered

Relinquished by:

Date _____

Time

Received by ELOT:

Date	Time
------	------

100

Shirley Bowers

Date	Time
11/17/07	11:28

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Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Ocotillo Environmental

Date/ Time: 11-17-07 @ 1127

Lab ID #: 293285

Initials: JMF

Sample Receipt Checklist

Client Initials

#1	Temperature of container/ cooler?	<u>Yes</u>	No	15.5 °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	<u>Not Applicable</u>	
#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>	

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

