



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

30-025-38503

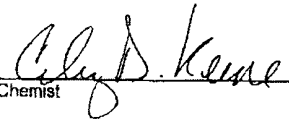
ANALYTICAL RESULTS FOR
OCOTILLO ENVIRONMENTAL, LLC
ATTN: CINDY CRAIN
P.O. BOX 1816
HOBBS, NM 88241
FAX TO: (432) 272-0304

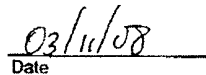
Receiving Date: 03/07/08
Reporting Date: 03/11/08
Project Owner: QUEST (0208-028C)
Project Name: WEST CHEROKEE BISHOP STATE #1
Project Location: LEA COUNTY NM

Sampling Date: 03/07/08
Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: CK/AB

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/L)	DRO (C ₁₀ -C ₂₈) (mg/L)
ANALYSIS DATE:		03/10/08	03/10/08
H14406-1	MW-1	<3.00	<3.00
H14406-2	MW-2	<3.00	<3.00
H14406-3	MW-3	<3.00	<3.00
H14406-4	MW-4	<3.00	<3.00
Quality Control		505	524
True Value QC		500	500
% Recovery		101	105
Relative Percent Difference		1.9	13.0

METHOD SW-846 8015 M


Chemist


Date

H14406A OCO

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. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

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

Receiving Date: 03/07/08
Reporting Date: 03/10/08
Project Owner: QUEST (0208-028C)
Project Name: WEST CHEROKEE BISHOP STATE #1
Project Location: LEA COUNTY, NM

Sampling Date: 03/07/08
Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: BC

LAB NUMBER	SAMPLE ID	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL BENZENE (mg/L)	TOTAL XYLENES (mg/L)
ANALYSIS DATE		03/07/08	03/07/08	03/07/08	03/07/08
H14406-1	MW-1	<0.002	<0.002	<0.002	<0.006
H14406-2	MW-2	<0.002	<0.002	<0.002	<0.006
H14406-3	MW-3	<0.002	<0.002	<0.002	<0.006
H14406-4	MW-4	<0.002	<0.002	<0.002	<0.006
Quality Control		0.092	0.104	0.093	0.255
True Value QC		0.100	0.100	0.100	0.300
% Recovery		92.0	104	92.9	85.1
Relative Percent Difference		7.7	3.6	1.7	3.5

METHOD: EPA SW-846 8260


Chemist

03/11/08
Date

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. No claim shall be filed for incidental or consequential damages, including, without limitation, business interruptions, loss of use or loss of profits incurred by client or 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. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



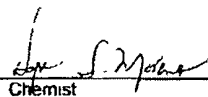
PHONE (575) 393-2326 • 701 E. MARLAND • HOBBS, NM 88240

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

Receiving Date: 03/07/08
Reporting Date: 03/13/08
Project Owner: QUEST (0208-028C)
Project Name: WEST GHERMIE BISHOP STATE #1
Project Location: LEA COUNTY, NM

Analysis Date: 03/07/08
Sampling Date: 03/07/08
Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: HM

LAB NO.	SAMPLE ID	NO ₃ -N (mg/L)
H14406-1	MW - 1	2.29
H14406-2	MW - 2	3.85
H14406-3	MW - 3	2.29
H14406-4	MW - 4	2.59
Quality Control		1.84
True Value QC		2.00
% Recovery		92.2
Relative Percent Difference		13.7
METHOD: EPA 600/4-79-020		353.3


Chemist

03-17-08
Date

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. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

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

Receiving Date: 03/07/08
Reporting Date: 03/14/08
Project Owner: QUEST (0208-028C)
Project Name: WEST CHESAPEAKE BISHOP STATE #1
Project Location: LEA COUNTY, NM

Sampling Date: 03/07/08
Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: HM/KS

LAB NUMBER	SAMPLE ID	Na (mg/L)	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Conductivity (uS/cm)	T-Alkalinity (mgCaCO ₃ /L)
ANALYSIS DATE:		03/13/08	03/13/08	03/13/08	03/13/08	03/11/08	03/11/08
H14406-1	MW - 1	62	73.2	17.7	2.44	746	168
H14406-2	MW - 2	47	69.2	17.7	1.76	709	152
H14406-3	MW - 3	50	45.2	26.6	2.33	654	156
H14406-4	MW - 4	56	59.9	16.1	2.99	680	144
Quality Control		NR	50.6	50.8	3.12	1,424	NR
True Value QC		NR	50.0	50.0	3.00	1,413	NR
% Recovery		NR	101	102	104	101	NR
Relative Percent Difference		NR	2.8	< 0.1	2.6	1.1	NR

METHODS:	SM3500-Ca-D	3500-Mg-E	8049	120.1	310.1
----------	-------------	-----------	------	-------	-------

	Cl ⁻ (mg/L)	SO ₄ (mg/L)	CO ₃ (mg/L)	HCO ₃ (mg/L)	pH (s.u.)	TDS (mg/L)
ANALYSIS DATE	03/13/08	03/13/08	03/11/08	03/11/08	03/11/08	03/12/08
H14406-1 MW - 1	68	124	0	205	7.68	514
H14406-2 MW - 2	64	104	0	185	7.79	478
H14406-3 MW - 3	60	89.2	0	190	7.81	439
H14406-4 MW - 4	64	103	0	176	7.85	453
Quality Control	500	26.8	NR	988	7.05	NR
True Value QC	500	25.0	NR	1000	7.00	NR
% Recovery	100	107	NR	98.8	101	NR
Relative Percent Difference	< 0.1	11.0	NR	1.2	< 0.1	NR

METHODS:	SM4500-Cl-B	375.4	310.1	310.1	150.1	160.1
----------	-------------	-------	-------	-------	-------	-------

Buster Suptich
Chemist

03/14/08
Date

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. H14406-1, 2, 3, 4 shall 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. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

ARDINAL LABORATORIES

Company Name: Ocotilla Environmental LLC				BILL TO				ANALYSIS REQUEST			
Project Manager: Cindy Crain				P.O. #:							
Address: 2125 French Dr.				Company: Ocotilla							
City: Habbs				State: NM Zip 88340							
Phone: 572-441-7244				Fax #: 432-272-0304							
Project: 0208-028C				Project Owner: Quest							
Client Name: West Cherokee Bishop State #1				State: Zip:							
Project Location: Lea County NM				Phone #:							
Analyst Name: Steve Cannon				Fax #:							

	FORAB OR COMP. # CONTAINERS	MATRIX		PRESERV.		SAMPLING		DATE	TIME								
		GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:										
H1440a-1 MW-1	G 3	✓						✓	3-7-08	11:55	✓	✓	✓	✓	✓	✓	✓
-2 MW-2	G 3	✓						✓	"	12:08	✓	✓	✓	✓	✓	✓	✓
-3 MW-3	G 3	✓						✓	"	12:16	✓	✓	✓	✓	✓	✓	✓
-4 MW-4	G 3	✓						✓	"	12:26	✓	✓	✓	✓	✓	✓	✓

Printed/Initialed By: *Steve Cannon*

Date: 3-7-08

Time: 2:46

Date:

Time:

Received By: *Ulysses LeBut*

Received By:

Sample Condition:
Cpl. Intact
Yes ☒ No ☐

CHECKED BY:
(Initials)
UPB/B

Approved By: (Circle One)

Comments: TIPS - Bus - Other:

Phone Result: ☐ Yes ☒ No ☐ Add'l Phone #:

Fax Result: ☐ Yes ☒ No ☐ Add'l Fax #:

REMARKS:

Fax # 432-272-0304

Cardinal cannot accept verbal changes. Please fax written changes to 606-393-2478.



PHONE (575) 393-2328 • 101 E. MARLAND • HOBBS, NM 88240

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

Receiving Date: 03/06/08
Reporting Date: 03/10/08
Project Owner: QUEST (028-028C)
Project Name: ~~CHAPARRAL~~ WEST BISHOP STATE #1
Project Location: HOBBS, NM

Sampling Date: 03/05/08
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: AB/CK

LAB NO	SAMPLE ID				
		BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
ANALYSIS DATE		03/06/08	03/06/08	03/06/08	03/06/08
H14391-1	BH-4 (5-7')	<0.001	<0.001	<0.001	<0.003
H14391-2	BH-4 (10-12')	<0.001	<0.001	<0.001	<0.003
H14391-3	BH-4 (15-17')	<0.001	<0.001	<0.001	<0.003
H14391-4	BH-4 (20-22')	<0.001	<0.001	<0.001	<0.003
H14391-5	BH-4 (25-27')	<0.001	<0.001	<0.001	<0.003
H14391-6	BH-4 (30-32')	<0.001	<0.001	<0.001	<0.003
H14391-7	BH-4 (40-42')	<0.001	<0.001	<0.001	<0.003
H14391-8	BH-4 (50-52')	<0.001	<0.001	<0.001	<0.003
H14391-9	BH-4 (60-62')	<0.001	<0.001	<0.001	<0.003
H14391-10	BH-4 (70-72')	<0.001	<0.001	<0.001	<0.003
H14391-11	BH-4 (80-82')	<0.001	<0.001	<0.001	<0.003
Quality Control		0.098	0.092	0.086	0.274
True Value QC		0.100	0.100	0.100	0.300
% Recovery		97.7	92.4	86.1	91.3
Relative Percent Difference		1.7	1.4	1.0	1.0

METHOD EPA SW-846-8021B

C. J. Keene
Chemist

03/10/08
Date

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. ~~Cardinal~~ shall 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. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

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

Receiving Date: 03/06/08

Reporting Date: 03/07/08

Project Owner: QUEST (028-028C)

Project Name: ~~CHEROKEE~~ WEST BISHOP STATE #1

Project Location: HOBBS, NM

Sampling Date: 03/05/08

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: ML

Analyzed By: CK/HM

LAB NUMBER	SAMPLE ID	GRO	DRO	CI*
		(C ₆ -C ₁₀) (mg/kg)	(>C ₁₀ -C ₂₈) (mg/kg)	(mg/kg)

ANALYSIS DATE		03/07/08	03/07/08	03/06/08
H14391-1	BH-4 (5-7)	<10.0	<10.0	<16
H14391-2	BH-4 (10-12)	<10.0	<10.0	<16
H14391-3	BH-4 (15-17)	<10.0	<10.0	<16
H14391-4	BH-4 (20-22)	<10.0	<10.0	<16
H14391-5	BH-4 (25-27)	<10.0	<10.0	<16
H14391-6	BH-4 (30-32)	<10.0	<10.0	16
H14391-7	BH-4 (40-42)	<10.0	<10.0	<16
H14391-8	BH-4 (50-52)	<10.0	<10.0	<16
H14391-9	BH-4 (60-62)	<10.0	<10.0	<16
H14391-10	BH-4 (70-72)	<10.0	<10.0	<16
H14391-11	BH-4 (80-82)	<10.0	<10.0	<16
Quality Control		599	537	490
True Value QC		500	500	500
% Recovery		120	107	98.0
Relative Percent Difference		9.4	1.7	<0.1

METHODS TPH GRO & DRO EPA SW-846 8015 M; Std. Methods 4500-CFB

*Analyses performed on 1.4 w/v aqueous extracts

Chemist

Date

H14391TCL Ocotillo

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. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603
(505) 393-2328 FAX (505) 393-2478 (325) 673-7001 FAX (325) 673-7020

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 2

[illegible]

† Cardinal cannot accept verbal changes. Please fax written changes to 508-393-2476



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 2 of 2

(806) 393-2328 FAX (806) 393-2478 (326) 673-7001 FAX (326) 673-7000 BILL TO										ANALYSIS REQUEST																			
Company Name: <u>Ocotillo Environmental, LLC</u> Project Manager: <u>Cindy Cain</u> Address: <u>2125 French Dr. P.O. Box 18116</u> City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88241</u> Phone #: <u>(505) 441-7244</u> Fax #: <u>(432) 272-0364</u> Project #: <u>028-028C</u> Project Owner: <u>Quest</u> Project Name: <u>Cherokee West Bishop State #1</u> Project Location: <u>Hobbs, NM</u> Sampler Name: <u>Cindy Cain</u>										P.O. #: Company: <u>Same</u> A/E: Address: City: State: Zip: Phone #: Fax #: Chlorides TPH (8015M) BTEX (8021A)																			
FOR LAB USE ONLY Lab I.D. Sample I.D.										GRAB OR COMPOUND CONTAINERS GROUNDWATER WASTEWATER SOIL ON SLUDGE OTHER ACID/BASE ICE / COOL OTHER:										PRESERVY SAMPLING DATE TIME									
-11 BH 4 (80 82)										61 ✓ ✓ ✓										3/5/08 1410 ✓ ✓ ✓									

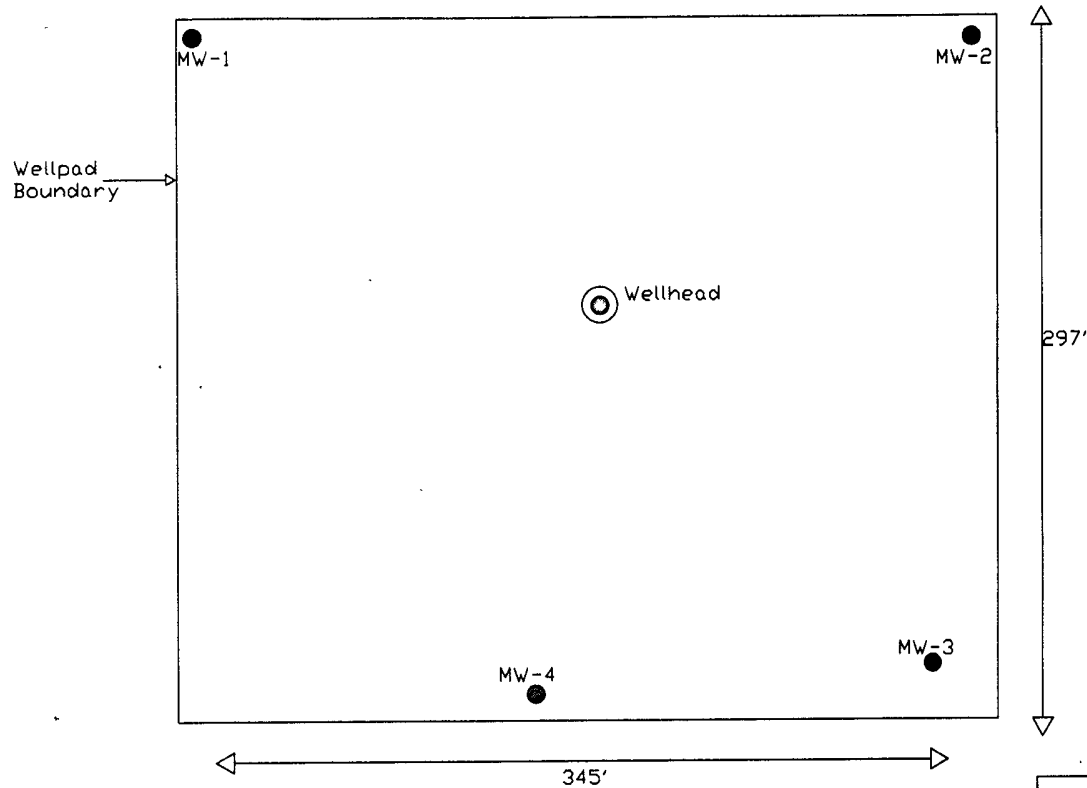
PLEASE NOTE: Tardies and Absences, Credits to Salary and other persons ready for any cases arising whether based on contract or not, shall be settled in this manner paid by the client for the agency on all dates including time for employees and any other cases payable. All of these are worked through the agency and are not to be written and received by the client. All dates after the 15th of the month shall be paid by the client. In no event shall the agency be liable for payment of consequential damages, including attorney's fees, business interruption, loss of use, or loss of profits resulting from its negligence. Liability for consequential damages or for injury to or destruction of property hereunder shall be limited, regardless of whether such claim is based upon any of the above stated causes of action.

Bureau of Criminal Investigation

Phone: 444-4444

Relinquished By: <u>Chris Charr</u> Date: <u>3/6/08</u> Time: <u>11:16</u>				Received By: <u>Wisty LeBout</u> Date: <u>3/6/08</u> Time: <u>11:16</u>		Phone Result: ☐ Yes ☐ No Fax Result: ☐ Yes ☐ No Add'l Phone #: _____ Add'l Fax #: _____ REMARKS:	
Relinquished By: _____ Date: _____ Time: _____				Received By: _____ Date: _____ Time: _____		Fax to (432) 272-0304	
Delivered By: (Circle One) Driver _____ Sampler _____				Sample Condition Copied ☐ Yes ☐ No Intact ☐ Yes ☐ No		CHECKED BY: (Initials) <u>MCB</u>	

† Cardinal cannot accept verbal changes. Please fax written changes to 505-383-2476



Monitoring Well Coordinates

MW-1	N.32.76712°	W.103.15536°
MW-2	N.32.76718°	W.103.15428°
MW-3	N.32.76639°	W.103.15436°
MW-4	N.32.76637°	W.103.15486°
Wellhead	N.32.76682°	W.103.15468°

Scale (In Feet):



1 Inch = 75 Feet



DATE: 03-10-08
 NAME: JTC
 PROJECT NO.: 0208-028C

FIGURE #1

LEA COUNTY, NEW MEXICO

QUEST

Quest Cherokee, LLC

West Bishop State # 1
 UL-C, Section 9, Township 18 South,
 Range 38 East

Site Drawing With Monitoring Well
 Locations

Ocotillo

ENVIRONMENTAL