

ECM - 001

04/23/2008

VonGonten, Glenn, EMNRD

From: VonGonten, Glenn, EMNRD
Sent: Thursday, April 24, 2008 3:09 PM
To: 'Cindy Crain'
Cc: Williams, Chris, EMNRD; Phelps White; Price, Wayne, EMNRD; Johnson, Larry, EMNRD; Sanchez, Daniel J., EMNRD
Subject: RE: Quest Cherokee West Bishop State #1 - Request to Plug Monitoring Wells

Cindy,

Based on the analytical data that you submitted, OCD hereby approves your request to plug and abandon the four monitor wells at the Quest Cherokee West Bishop State No. 1 location. The wells should be abandoned following the Office of the State Engineer's *RULES AND REGULATIONS GOVERNING WELL DRILLER LICENSING; CONSTRUCTION, REPAIR AND PLUGGING OF WELLS*.

Please call me at 505-476-3488 if you have any questions.

*Glenn von Gonten
 Senior Hydrologist
 Environmental Bureau
 Oil Conservation Division
 1220 South St. Francis Drive
 Santa Fe, NM 87505
 505-476-3488
 fax -476-3462
 glenn.vongonten@state.nm.us*

From: Cindy Crain [mailto:cindy.crain@gmail.com]
Sent: Wednesday, April 23, 2008 2:21 PM
To: VonGonten, Glenn, EMNRD
Cc: Williams, Chris, EMNRD; Phelps White
Subject: Quest Cherokee West Bishop State #1 - Request to Plug Monitoring Wells

Glenn,

With regard to our conversation earlier today concerning plugging the monitoring wells at the Quest Cherokee West Bishop State #1 site, please find the following information attached:

1. Analytical data from residential water wells
2. Analytical data from on-site monitoring wells (soil from MW-4, and groundwater from MW-1 through MW-4).
3. A site drawing showing the MW locations.
4. Transmittal letter sent to the nearby residents when the groundwater data from residential wells was mailed to them.

I do not have the contact information for the nearby residents with me at the moment, but will email that information to you later today.

4/28/2008

Please let me know if there is anything else that you need, and if you will grant approval for the plugging of the four monitoring wells.

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

This inbound email has been scanned by the MessageLabs Email Security System.

4/28/2008

VonGonten, Glenn, EMNRD

From: Cindy Crain [cindy.crain@gmail.com]
Sent: Wednesday, April 23, 2008 4:04 PM
To: VonGonten, Glenn, EMNRD
Subject: Quest Cherokee West Bishop State #1 Residential Contacts

Glenn,

Please find below a list of residents neighboring the Quest Cherokee West Bishop State #1 well that Chris Williams asked us to contact regarding their water wells:

- | | |
|---------------------------------|----------------------|
| 1. Tom Duncan (575) 390-3220 | 5700 Jarob Lane |
| 2. Lee Roberson (575) 631-8270 | 1321 W. College Lane |
| 3. Mike Edwards (575) 631-9312 | 1300 W. College Lane |
| 4. Donnie Graham (575) 602-3343 | 1203 W. College Lane |
| 5. David Ellison (575) 602-9257 | Barn east of well |

Just so you know, Jarob Lane is the street west of the well, and W. College Lane is the street north of the well.

Please let me know if you need any other information.

Thank you,

--

Cindy Crain
Environmental Manager

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Hobbs, NM 88240

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4/23/2008

VonGonten, Glenn, EMNRD

From: Cindy Crain [cindy.crain@gmail.com]
Sent: Wednesday, April 23, 2008 2:21 PM
To: VonGonten, Glenn, EMNRD
Cc: Williams, Chris, EMNRD; Phelps White
Subject: Quest Cherokee West Bishop State #1 - Request to Plug Monitoring Wells
Attachments: Landowner Analyticals.doc; GW Analyticals 3-7-08.doc; MW-4 Soil Analysis.doc; Landowner Transmittal Letter 3-10-08.doc; Figure_1_3-10-08[2].pdf

Glenn,

With regard to our conversation earlier today concerning plugging the monitoring wells at the Quest Cherokee West Bishop State #1 site, please find the following information attached:

1. Analytical data from residential water wells
2. Analytical data from on-site monitoring wells (soil from MW-4, and groundwater from MW-1 through MW-4).
3. A site drawing showing the MW locations.
4. Transmittal letter sent to the nearby residents when the groundwater data from residential wells was mailed to them.

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Thank you,

--

Cindy Crain
Environmental Manager

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

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4/23/2008

ECM001

March 10, 2008

Lee Roberson
1321 W. College Lane
Hobbs, NM 88240

RE: Domestic Water Well Analytical Results

Dear Lee:

Attached please find the analytical documentation from groundwater samples collected from the domestic wells of the following residents near the Quest Cherokee West Bishop State #1 well:

Lee Roberson
Tom Duncan
Mike Edwards
Hillary Graham
David Ellison

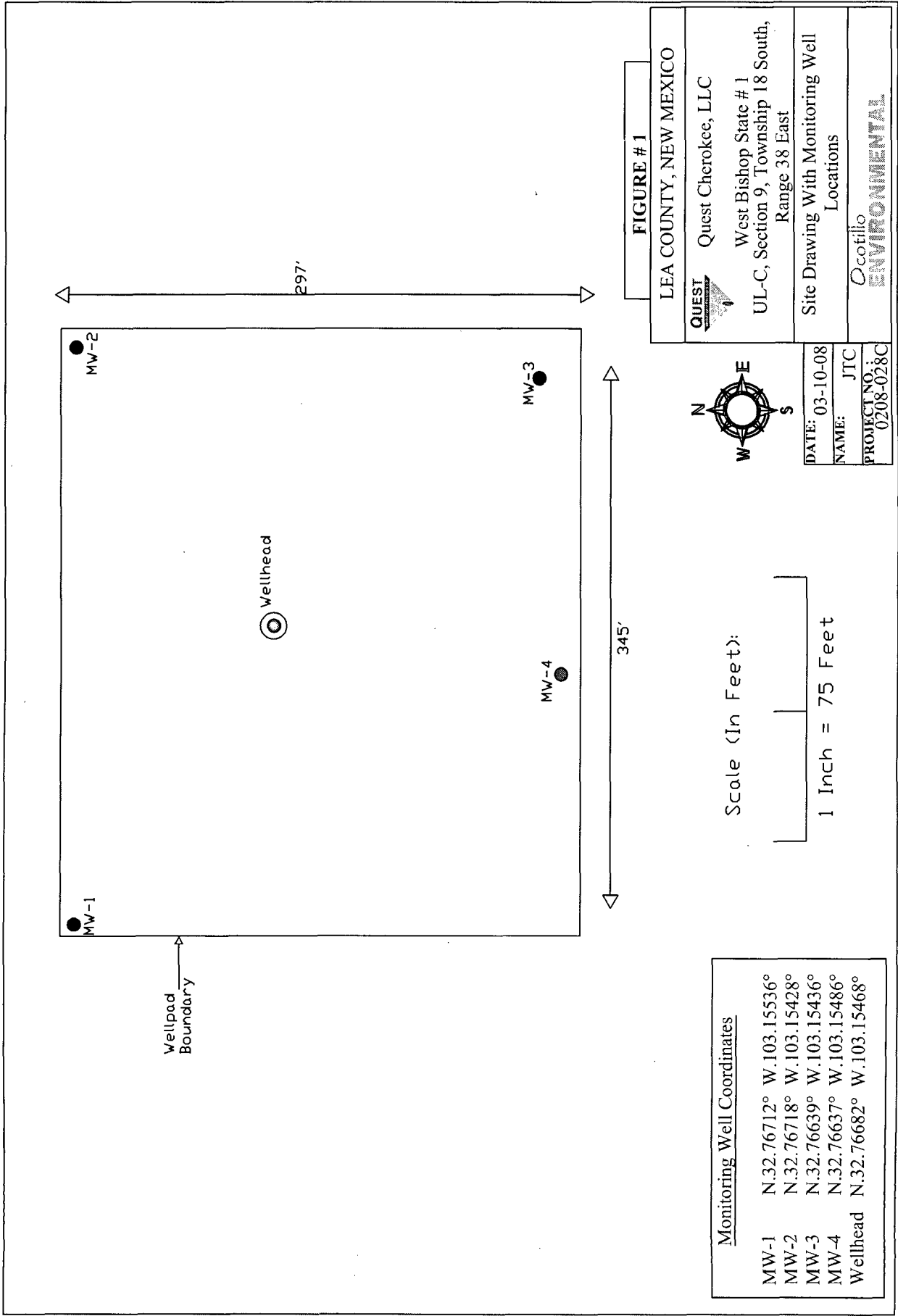
As we discussed on the phone earlier today, all copies of the results are being sent to you for distribution to all concerned residents.

If you have any questions or need additional information, please do not hesitate to call me at (505) 441-7244.

Sincerely,
Ocotillo Environmental

Cindy K. Crain, P.G.
Environmental Manager

cc: Tom Duncan
Mike Edwards
Hillary Graham
David Ellison





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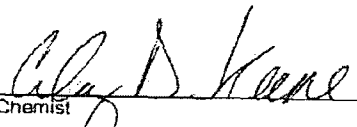
ANALYTICAL RESULTS FOR
OCOTILLO ENVIRONMENTAL, LLC
ATTN: CINDY CRAIN
P.O. BOX 1816
HOBBS, NM 88241
FAX TO: (432) 272-0304

Receiving Date: 02/22/08
Reporting Date: 02/25/08
Project Owner: QUEST (0208-028C)
Project Name: QUEST CHEROKEE W. BISHOP STATE #1
Project Location: LEA COUNTY, NM

Sampling Date: 02/22/08
Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: AB

LAB NO.	SAMPLE ID	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL BENZENE (mg/L)	TOTAL XYLENES (mg/L)
ANALYSIS DATE		02/25/08	02/25/08	02/25/08	02/25/08
H14305-1	ROBERSON 1320 WEST COLLEGE LANE	<0.001	<0.001	<0.001	<0.003
H14305-2	ELLISON BARN	<0.001	<0.001	<0.001	<0.003
H14305-3	DUNCAN 5700 JAROB	<0.001	0.001	<0.001	<0.003
H14305-4	EDWARDS 1300 WEST COLLEGE LANE	<0.001	<0.001	<0.001	<0.003
H14305-5	GRAHAM 1203 COLLEGE LN.	<0.001	<0.001	<0.001	<0.003
Quality Control		0.092	0.083	0.086	0.248
True Value QC		0.100	0.100	0.100	0.300
% Recovery		92.1	83.2	86.1	82.5
Relative Percent Difference		0.9	1.0	1.8	1.7

METHOD: EPA SW-846 8021B


Cheryl D. Kane
Chemist


02/29/08
Date

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

Receiving Date: 02/22/08
Reporting Date: 02/29/08
Project Owner: QUEST(0208-028C)
Project Name: QUEST CHEROKEE W. BISHOP STATE #1
Project Location: LEA COUNTY, NM

Sampling Date: 02/22/08
Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: CK

LAB NUMBER SAMPLE ID

	GRO (C ₈ -C ₁₀) (mg/L)	DRO (C ₁₀ -C ₂₈) (mg/L)
--	---	--

ANALYSIS DATE	02/27/08	02/27/08
H14305-1 ROBERSON 1320 WEST COLLEGE LANE	<3.00	<3.00
H14305-2 ELLISON BARN	<3.00	<3.00
H14305-3 DUNCAN 5700 JAROB	<3.00	<3.00
H14305-4 EDWARDS 1300 WEST COLLEGE LANE	<3.00	<3.00
H14305-5 GRAHAM 1203 COLLEGE LANE	<3.00	<3.00
Quality Control	39.2	59.2
True Value QC	50.0	50.0
% Recovery	78.4	118
Relative Percent Difference	8.6	14.5

METHODS: TPH GRO & DRO: EPA SW-846 8015 M

Chemist

Date

H14305T OCOTILLO

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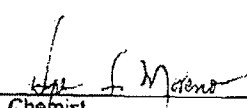
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OCOTILLO ENVIRONMENTAL, LLC
ATTN: CINDY CRAIN
P.O. BOX 1816
HOBBS, NM 88241
FAX TO: (432) 272-0304

Receiving Date: 02/22/08
Reporting Date: 02/29/08
Project Owner: QUEST (0208-028C)
Project Name: QUEST CHEROKEE W. BISHOP STATE #1
Project Location: LEA COUNTY, NM

Analysis Date: 02/22/08
Sampling Date: 02/22/08
Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: HM

LAB NO.	SAMPLE ID	NO ₃ -N (mg/L)
H14305-1	ROBERSON 1320 W. COLLEGE LN.	3.21
H14305-2	ELLISON BARN	2.23
H14305-3	DUNCAN 5700 JAROB	1.79
H14305-4	EDWARDS 1300 W. COLLEGE LN.	1.30
H14305-5	GRAHAM 1203 COLLEGE LN.	2.84
	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

03-03-08
Date

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

Receiving Date: 02/22/08
Reporting Date: 02/29/08
Project Owner: QUEST (0208-028C)
Project Name: QUEST CHEROKEE W. BISHOP STATE #1
Project Location: LEA COUNTY, NM

Sampling Date: 02/22/08
Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: HMK/S

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:	02/27/08	02/27/08	02/27/08	02/28/08	02/26/08	02/26/08
H14305-1 Roberson 1320 W. College Ln.	53	128	28.2	3.87	1,080	196
H14305-2 Ellison Barn	41	94.5	21.8	1.95	770	188
H14305-3 Duncan 5700 Jarob	32	65.2	18.1	2.04	569	172
H14305-4 Edwards 1300 W. College Ln.	29	70.5	16.9	2.24	809	176
H14305-5 Graham 1203 College Lane	75	71.9	18.6	2.44	828	200
Quality Control	NR	50.6	51.6	3.11	1,428	NR
True Value QC	NR	50.0	50.0	3.00	1,413	NR
% Recovery	NR	101	103	104	101	NR
Relative Percent Difference	NR	2.8	< 0.1	4.6	0.8	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:	02/28/08	02/27/08	02/26/08	02/26/08	02/26/08	02/25/08
H14305-1 Roberson 1320 W. College Ln.	112	195	0	239	7.93	758
H14305-2 Ellison Barn	72	123	0	229	8.15	524
H14305-3 Duncan 5700 Jarob	40	70.0	0	210	8.19	355
H14305-4 Edwards 1300 W. College Ln.	40	75.9	0	215	8.15	427
H14305-5 Graham 1203 College Lane	84	99.3	0	244	8.25	538
Quality Control	490	27.0	NR	1000	7.05	NR
True Value QC	500	25.0	NR	1000	7.00	NR
% Recovery	98.0	108	NR	100	101	NR
Relative Percent Difference	2.0	3.0	NR	1.2	0.1	NR

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

Analyst

03-20-08
Date

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ARDINAL LABORATORIES

01 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603
(605) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



PHONE (575) 383-2326 • 101 E. MARLAND • HOBBS, NM 88240

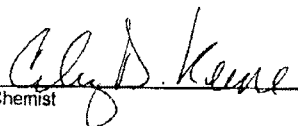
ANALYTICAL RESULTS FOR
OCOTILLO ENVIRONMENTAL, LLC
ATTN: CINDY CRAIN
P.O. BOX 1816
HOBBS, NM 88241
FAX TO: (432) 272-0304

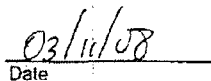
Receiving Date: 03/07/08
Reporting Date: 03/11/08
Project Owner: QUEST (0208-028C)
Project Name: WEST CHEROKEE BISHOP STATE #1
Project Location: LEA COUNTY, NM

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	DRO
		(C ₆ -C ₁₀) (mg/L)	(>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

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HOBBS, NM 88241
FAX TO: (432) 272-0304

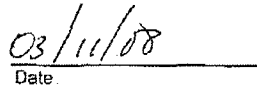
Receiving Date: 03/07/08
Reporting Date: 03/10/08
Project Owner: QUEST (0208-028C)
Project Name: WEST CHEROKEE BISHOP STATE #1
Project Location: LEA COUNTY, NM

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


Date

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

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 800/4-79-020		353.3

Date _____

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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 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: HWKS

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	162
H14406-3 MW - 3	50	45.2	26.6	2.33	654	156
H14406-4 MW - 4	56	59.9	16.1	2.99	660	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

Kirsten Suprock
Chemist

03/14/08
Date:

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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ANALYSIS REQUEST

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Slate:

Phone _____

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PHONE (575) 383-2328 • 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: 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: AB/CK

LAB NO.	SAMPLE ID	BENZENE		ETHYL	
		(mg/kg)	TOLUENE (mg/kg)	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

Chemist

Date

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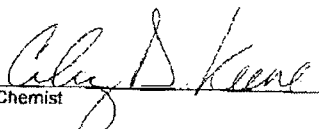
ANALYTICAL RESULTS FOR
OCOTILLO ENVIRONMENTAL, LLC
ATTN: CINDY CRAIN
P.O. BOX 1816
HOBBS, NM 88241
FAX TO: (432) 272-0304

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 (C ₆ -C ₁₀) (mg/kg)	DRO (C ₁₀ -C ₂₈) (mg/kg)	CI* (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

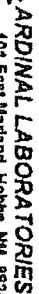
METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Std. Methods 4500-CI*B
*Analyses performed on 1:4 w:v aqueous extracts.


Chemist

03/10/08
Date

H14391TCL Ocotillo

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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