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March 10, 2008

Hand delivered

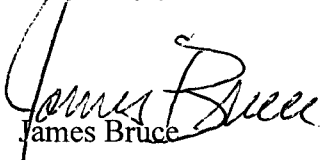
Mark E. Fesmire, P.E.
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Re: Case No. 13870 (*de novo*)/Application of Quest Cherokee, LLC for
approval of an application for permit to drill, Lea County, New Mexico

Dear Mr. Fesmire:

Enclosed are six copies of Exhibit 5, which Quest may use at the March 13, 2008 Commission hearing. (Quest Exhibits 1-4 were previously filed.)

Very truly yours,


James Bruce

Attorney for Quest Cherokee, LLC

cc: Michael Newell w/encl.



FAX

Ocotillo Environmental, L.L.C. P O Box 1816 Hobbs, NM 88241 (505)393-6371 Fax. (505)393-6374

DATE: 3/3/08

TO: Richard Marlin

FAX: 405 600-7718

PHONE:

FROM: Cindy Carr

FAX: 505 4393-6374

PHONE:

PAGES: 7

RE: Analytical Results of Groundwater Samples

@ Cherokee W. Bishop State #1

COMMENTS: and MW GPS Locations

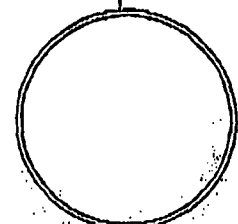
Quest
Oil Conservation Commission
Case No. 5
Exhibit No. 5

☐ URGENT

☐ PLEASE COMMENT

☐ PLEASE REVIEW

☒ FOR YOUR RECORDS





PHONE (575) 393-2325 • 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: 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

Clay 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)
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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

Cheryl Kene
Chemist

02/29/08
Date

H14305T OCOTILLO

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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: 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	02/28/08	02/28/08
H14305-1 Roberson 1320 W. College Ln.	63	128	28.2	3.87	1,080	196
H14305-2 Ellison Barn	41	84.5	21.8	1.95	770	188
H14305-3 Duncan 5700 Jarob	32	65.2	16.1	2.04	569	172
H14305-4 Edwards 1300 W. College Ln.	29	70.5	16.9	2.24	809	178
H14305-5 Graham 1203 College Lane	75	71.9	18.6	2.44	828	200
Quality Control	NR	50.8	51.8	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
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	Cl ⁻ (mg/L)	SO ₄ (mg/L)	CO ₃ (mg/L)	HCO ₃ (mg/L)	pH (p.u.)	TDS (mg/L)
ANALYSIS DATE:	02/28/08	02/27/08	02/28/08	02/28/08	02/28/08	02/28/08
H14305-1 Roberson 1320 W. College Ln.	112	185	0	239	7.83	768
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	89.3	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	88.0	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	180.1
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[Signature]
Chemist

03-22-08
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

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

[Signature]
 Chemist

03-03-08
 Date

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(505) 393-2328 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ocotillo Environmental LLC		BILL TO		ANALYSIS REQUEST	
Project Manager: Steve Green		P.O. #			
Address: 2125 Fresh Dr.		Company			
City: Hobbs		State: NM		Zip: 88240	
Phone #: 505-441-7244		Fax #: 505-441-7244		Address:	
Project #: 0208-0280		Project Owner: Quest		City:	
Project Name: Red River Lake W. Bishop State #1		Site:		Zip:	
Project Location: Lee County NM		Phone #:			
Sampler Name: Steve Green		Fax #:			
PRELIMINARY		RATIOS		PRESERV	
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249		12-22-07		10:07	
250		12-22-07		10:07	
251		12-22-07		10:07	
252		12-22-07		10:07	
253		12-22-07		10:07	
254		12-22-07		10:07	
255		12-22-07		10:07	
256		12-22-07		10:07	
257		12-22-07		10:07	
258		12-22-07		10:07	
259		12-22-07		10:07	
260		12-22-07		10:07	
261		12-22-07		10:07	
262		12-22-07		10:07	
263		12-22-07		10:07	
264		12-22-07		10:07	
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