Bratcher, Mike, EMNRD

From:

Cindy Crain [cindy.crain@gmail.com] Tuesday, April 13, 2010 8:39 AM

Sent:

Bratcher, Mike, EMNRD

Cc:

Moss, Shannon

Subject:

Devon Energy, Joell 6 #2 Battery Remediation - Request for Backfill Approval

Attachments:

Field Drawing.doc; 4-5-10 Analyticals.pdf; 4-7-10 Analyticals.pdf; 4-9-10 Analyticals.pdf

Mike,

With regard to the Devon Energy, Joell 6 #2 Battery that we spoke about earlier today, the following information is attached for your review:

Field Drawing showing sample point locations

4/5/10 Analyticals - TPH and Cl concentrations from excavation

4/7/10 Analyticals - Background Cl concentrations

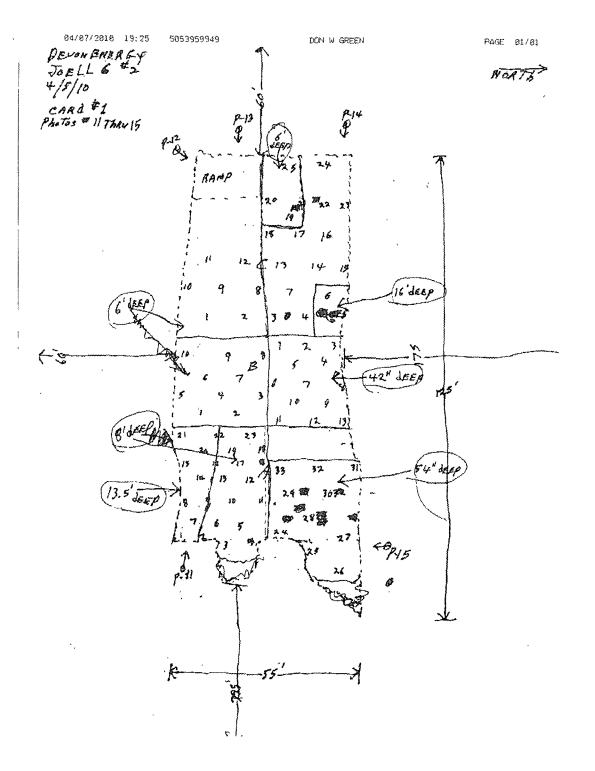
4/9/10 Analyticals - Deepest Cl concentrations

The site is located in Unit Letter G, Sec. 6, T23S, R27E, Eddy County, New Mexico. Depth to groundwater is approximately 120 feet bgs.

Ocotillo Environmental has equipment on site and is ready to begin backfilling of the excavation upon your approval to do so.

If you have any questions or need additional information, please let me know.

Thank you, Cindy Crain





April 7, 2010

Cindy Crain
Ocotillo Environmental, LLC
P.O. Box 1816
Hobbs, NM 88241

Re: Joell 6 #2

Enclosed are the results of analyses for sample number H19599, received by the laboratory on 04/05/10 at 3:10 pm.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021 Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260 Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005 Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

Cardinal Laboratories is accredited though the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.2 Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

Total Number of Pages of Report: 3 (includes Chain of Custody)

Sincerely.

Celey D. Keene Laboratory Director



ANALYTICAL RESULTS FOR OCOTILLO ENVIRONMENTAL ATTN: CINDY CRAIN P.O. BOX 1816

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

Receiving Date: 04/05/10 Sampling Date: 04/05/10 Reporting Date: 04/06/10 Sample Type: SOIL

Project Owmer: NOT GIVEN Sample Condition: COOL & INTACT @ 5°C

Project Name: JOELL 6 #2 Sample Received By: JH Project Location: 3.2 MILES S. OF CARLSBAD, NM Analyzed By: AB/HM

ANALYSIS D	ATE	04/05/10	04/05/10	04/06/10
H19599-1	A-1-COMP.	<10.0	<10.0	496
H19599-2**	A-NW	<10.0	<10.0	448
H19599-3**	Á-SW	<10.0	<10.0	672
H19599-4	B-1-COMP.	<10.0	<10.0;	880
H19599-5**	B-NW	<10.0	<10.0	976
H19599-6	B-SW .	<10.0	<10.0	656
H19599-7	C-1-COMP.	<10.0,	<10.0	592
H19599-8	C-NW	<10.0	<10.0	448
H19599-9	C-SW	<10.0;	<10.0	1,010
H19599-10	A-EW	<10.0	<10.0	416
H19599-11	C-WW	<10.0	<10.0	816
Quality Control		571	575	500
True Value QC		500	500	500
% Recovery		114	115	100
Relative Per	cent Difference	0.5	7.5	< 0.1

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

*Analyses performed on 1:4 w:v aqueous extracts. Reported on wet weight.

**One or more of the TPH surrogates outside historical limits due to matrix interference.

Date

H19599 TCL OCO



101 East Marland, Hobbs, NM 88240 (575) 393-2326 Fax (575) 393-2476

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P	age		of	<i>\$</i>

Company Name: DEVON ENERGY Project Manager: Cindy CRAIN Address: 2125 FRENCH ORIV		BILL TO	ANALYSIS REQUEST			
Project Manager: Cindy CRAIN		P.O. #:				
Address: 2/25 FRENCH DRIV	E P.O. Box 1816	Company: Oco Tillo				
City: <i>Hobbs</i> Sta Phone #: <i>575-441-72.44</i> Fax	nte: NM Zip: 88240	Attn:				
Phone #: 575-44/-7244 Fax	#:	Address:				
! • • • · · ·		City:				
Project Name: JoE/L 6 #2		State: Zip:				
Project Location: 3.2 miles Soc	Th of CARLShad NM.	Phone #:				
Sampler Name: DON GREEN	The second secon	Fax #'				
FOR LABUSE ONLY	MATRIX	PRESERV SAMPLING	<u> </u>			
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4 - 3 m	PS)RAB OR (C)ON # CONTAINERS GROUNDWATER WASTEWATER SOIL SLUDGE	OTHER: OTHER ACID/BASE ACI				
H19599-1 A-1-comp.		4/5/10 13:00				
H19599-1 A-1-comp. -2 A-NW. -3 A-54		1 1 1 1 1 1 1 1 1				
2 A-NW3 A-SW -4 BI-COMP. 5 BNW	- Calil : Ti	m m v li v m v movi m m ovimeno				
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7 C-1- comp.	<u> </u>					
& C-NW						
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Sampler - UPS - Bus - Other:	Cool /Intact/	s CAA				

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.

#26



April 9, 2010

Cindy Crain Devon Energy P.O. Box 1816 Hobbs, NM 88241

Re: Joell 6 #2

Enclosed are the results of analyses for sample number H19614, received by the laboratory on 04/07/10 at 4:11 pm.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021 Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260 Benzene, Toluene, Ethyl Benzene, and Total Xylenes

Method TX 1005

Total Patrology Hydrogophers

Method TX 1005 Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

Cardinal Laboratories is accredited though the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)

Method EPA 524.2 Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

Total Number of Pages of Report: 3 (includes Chain of Custody)

Sincerely

Celey D./Keene Laboratory Director



ANALYTICAL RESULTS FOR **DEVON ENERGY** ATTN: CINDY CRAIN

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

Receiving Date: 04/07/10 Analysis Date: 04/08/10 Reporting Date: 04/08/10 Sampling Date: 04/07/10 Project Owner: NOT GIVEN Sample Type: SOIL

Project Name: JOELL 6 #2 Sample Condition: COOL & INTACT @ 3°C

Project Location: 3.2 MILES SOUTH OF CARLSBAD, NM Sample Received By: JH

Analyzed By: HM

			CI
LAB NO.	SAMPLE ID		(mg/kg)
H19614-1	BG @ 225' E	5	96
H19614-2	BG @ 175 N	And the state of t	160
H19614-3	BG @ 60' W		272
H19614-4	BG @ 60' S		416
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	10 11 10 10 10 10 10 10 10 10 10 10 10 1	**************************************	***********
		;	
Quality Con	trol		500
True Value	QC		500
% Recovery	!	A DEPOSIT OF THE PROPERTY OF T	100
Relative Pe	rcent Difference		< 0.1
METHOD: Sta	indard Methods	45	00-CIB
	s performed on 1:4 w:v aque		

H19614 Devon Energy



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603 PAGE 1 OF1 (505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020 ANALYSIS REQUEST Company Name: DEVON ENERGY BILL TO Project Manager: CINDY CRAIN
Address: 2125 FRENCH DRIVE, P.O. Box. 18/6 P.O. #: Company: OcoTILLO Hobbs State: NM. Zip: 88240 Phone #: 4-32.441-7244 Fax #: Address: Project #: Project Owner: Project Name: Joell 6 #2 State: Project Location: 3.2 miles South of Carlsbad, MM Phone #: PRESERV FUR LAB USE ONLY MATRIX SAMPLING Sample I.D. Lab I.D. DATE TIME H19614-1 BG @ 225' E -2 BG @ 175 N -3 BG @ 60' W -4 BG @ 60' S shalyses. All claims including those for negligence and any other cause whatsoever shall be deemed waved unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shar Cardina, be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subextitutes. affinates or successors aroung out of or related to the partocreance of services berounder by Cardinal, regardless of whether such claim is based upon any of the above stated re Relinguished By: Phone Result: ☐ Yes ☐ No Add'l Phone #: Fax Result: ☐ Yes ☐ No Add'l Fax #: REMARKS: Received By: Delivered By: (Circle One) Sample Condition Cool /Intact/ Sampler - UPS - Bus - Other: Tayes Tyes

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

#26



April 12, 2010

Cindy Crain Devon Energy P.O. Box 1816 Hobbs, NM 88241

Re: Joell6 #2

Enclosed are the results of analyses for sample number H19624, received by the laboratory on 04/09/10 at 1:25 pm.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021 Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260 Benzene, Toluene, Ethyl Benzene, and Total Xylenes

Method TX 1005 Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

Cardinal Laboratories is accredited though the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.2 Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

Total Number of Pages of Report: 3 (includes Chain of Custody)

Sincerely.

Celey D. Keene Laboratory Director



ANALYTICAL RESULTS FOR OCOTILLO ENVIRONMENTAL. LLC

ATTN: CINDY CRAIN P.O. BOX 1816 HOBBS, NM 88241

FAX TO: (432) 272-0304

Receiving Date: 04/09/10 Reporting Date: 04/12/10 Project Number: NOT GIVEN Analysis Date: 04/09/10 Sampling Date: 04/09/10 Sample Type: SOIL

.Project Name: JOEL 6 #2

Sample Condition: COOL & INTACT @ 5°C

Project Location: 3.2 MILES SOUTH OF CARLSBAD, NM

Sample Received By: JH

Analyzed By: SJ

		CI
LAB NO.	LAB NO. SAMPLE ID	
H19624-1	NW CORNER @ 16'	16
H19624-2	SE CORNER @ 12'	272
E CONTRACTOR A MARKET M		
\$		
\$ mamma		
Quality Control	V N N N N N N N N N N N N N N N N N N N	480
True Value QC		500
% Recovery	•	96.0
Relative Percent	Difference	4.1
		mana ang y a a a a a ana ana an
METHOD: Standar	rd Methods	4500-CIB

Note: Analysis performed on a 1:4 w.v aqueous extract.

H19624 Ocotillo



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603 7505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

	(505) 393-2326 FAX (505) 393-2	476 (325) 673-7001 F	AX (325)673-	7020			1981
Company Name: DEVON ENERGY			BILL TO			ANALYSIS REQUEST		
Project Manager: CIND CRAIN			P.O. #:	****				
Address: 2125 FRENCH DRIVE, POBOX 1816 City: Hobbs State: NM. Zip: 88240			Company: OcoTILLO					
City: Hobbs State: N/7 - Zip: 88240			88240	Attn:				
Phone #: 432 441-72 44 Fax #:				Address:		-		
Project #: Project Owner:			. ,	City:				
Project Name:	Josh 6 #2	*******	an man a common	State: Zip:				
Project Location	3.2 miles South of CAR.	LSBA	d, NM	Phone #:		-		
Sampler Name:	In been			Fax #:		1		
FOR LAB USE ONLY			MATRIX	PRESERV.	SAMPLING	-		
		Σ Q Q	S H. C.	1				
Lab I.D.	Sample I.D.) R	WAT MTE	35 7				
		(G)RAB OR (C)OMP	GROUNDWATER WASTEWATER SOIL SLUDGE	OTHER - ACID/BASE: ICE / COOL OTHER :				
		(G) P	SOIL SOIL SILUD	E 을 필 등	DATE TIME			
419624-1	NWORNER & 16' SE CORNER & 12'	G			4/9/10 11:00	V.		
2	SE CORNER & 12'	31			'''' '''			
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† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476