### Form 3160-5 (August 2007)

# OCD-ARTESIA

## **UNITED STATES** DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0137 Expires. July 31, 2010

5. Lease Serial No.

		NMNW4986									
Do not use this fo	OTICES AND REPO orm for proposals t Use Form 3160-3 (A	6. If Indian, Allottee or Tribe Name									
SUBMIT	IN TRIPLICATE – Other	7. If Unit of CA/Agreement, Name and/or No.									
1. Type of Well		0 W-H M 1 M-									
Oıl Well Gas W	ell Other	8. Well Name and No. PACHECO FEDERAL COM #3									
2 Name of Operator Devon Energy	Production Company, LF			9. API Well No. 30-015-226	Well No. 30-015-22612 <b>RECEIVED</b>						
3a. Address		3b Phone No. (include	e area code)	10. Field and Pool or E							
PO Box 250, Artesia, NM 88211		575-748-0161			orth StrawrSEP 07 2010						
4. Location of Well (Footage, Sec., T.,)	R ,M., or Survey Description	)		11. Country or Parish, Eddy	1						
Unit 2, Sec 31, T19S, R28E				Lady	NMOCD ARTESIA						
12. CHEC	K THE APPROPRIATE BO	OX(ES) TO INDICATE	NATURE OF NOTIC	CE, REPORT OR OTHI	ER DATA						
TYPE OF SUBMISSION			TYPE OF ACT	ION							
✓ Notice of Intent	Acidıze	Deepen	Prod	uction (Start/Resume)	Water Shut-Off						
	Alter Casing	Fracture Trea	=	amation	Well Integrity						
Subsequent Report	Casing Repair	New Construc		omplete	Other						
Final Abandonment Notice	Change Plans Convert to Injection	☐ Plug and Aba ☐ Plug Back		porarily Abandon er Disposal							
13. Describe Proposed or Completed O				· · · · · · · · · · · · · · · · · · ·	1 1 2 2 6 76						
Devon proposes to import an approupper one (1) foot of the reserve pit reserve pit area will be re-seeded w  Ocotillo Environmental, LLC will be	area. Following placeme ith a seed blend recomme performing the reclamatio	ent of imported, fertilize ended by the BLM in the	ed soil, winrows will he spring of 2011.	be cut into the surface	e to prevent runoff, and the entire						
14 I hereby certify that the foregoing is t Name (Printed/Typed)	rue and correct										
	Mathews	Title	Completions For	reman							
Signatura my ma	than	Date	8/19/2010								
1 0	THIS SPACE	FOR FEDERAL	OR STATE OF	FICE USE							
Conditions of approval, if any, are attache that the applicant holds legal or equitable entitle the applicant to conduct operations title 18 U S C Section 1001 and Title 43 fletitious or fraudulent statements or repr	title to those rights in the subj thereon  U.S.C. Section 1212, make it	es not warrant or certify ect lease which would a crime for any person kr	Office AD nowingly and willfully		Date P. Z9 - 10						
methious of fraudulent statements of repr	esemations as to any matter w	min as junsaiction.									

(Instructions on page 2)

SEE Attached COA's

Re: Reclamation Work Plan

Devon Energy,

Pacheco Federal Com #3,

Unit Letter E (SW/4, NW/4), Section 31, Township 19 South, Range 28 East,

**Eddy County, New Mexico** 

Based on published literature (1961), well records of the New Mexico State Engineer (NMSE), and well records from the United States Geological Service (USGS) database, groundwater occurs at approximately 105 feet below ground surface (bgs) at the nearest well. No domestic water wells or surface waters are located within 1,000 feet of the Site. The NMOCD has established RRALs for benzene, total BTEX and TPH resulting from spills of natural gas liquids ("Guidelines for Remediation of Leaks, Spills and Releases, August 13, 1993"). Remediation levels for benzene, total BTEX and TPH were calculated using the following NMOCD criteria:

Criteria	Result	Ranking Score
Depth-to-Groundwater	>100 Feet	0
Wellhead Protection Area	No	0
Distance to Surface Water	>1000 Horizontal Feet	0
Body		
		Total: 0

The following RRALs have been assigned based on NMOCD criteria:

Benzene

10 mg/kg

**Total BTEX** 

50 mg/kg

TPH

5,000 mg/kg

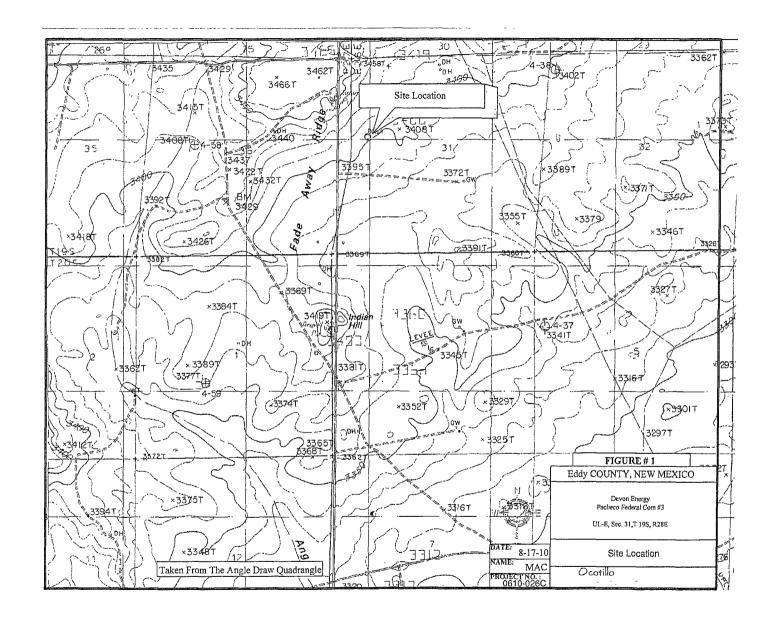
#### **Remediation Proposal**

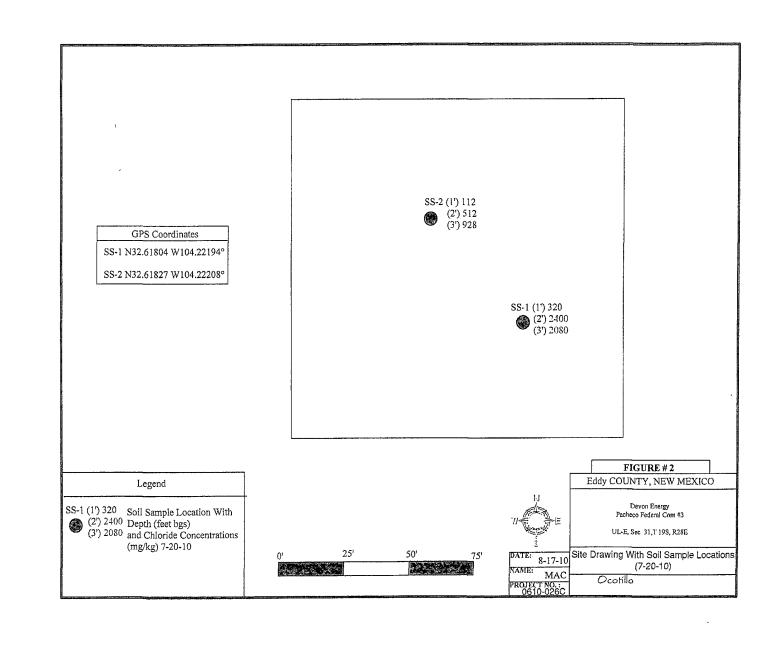
On July 20, 2010, soil samples were collected from two (2) locations (SS-1 and SS-2) within the reserve pit area by hand auger methods. Soil samples were collected at depths of 1 foot, 2 feet and 3 feet at each sample point and submitted to Cardinal Laboratories, of Hobbs, New Mexico for analysis of total petroleum hydrocarbons (TPH), benzene, toluene, ethylbene and xylenes (collectively referred to as BTEX), and chlorides. Figure 2 shows the location of the sample points within the reserve pit area.

The laboratory reported all TPH concentrations below the test method detection limits, with the exception of the sample SS-1 (13.6 mg/kg) at a depth of 3 feet below ground surface (bgs). All BTEX concentrations were also below the test method detection limits, with the exception of sample point SS-1 at a depth of 1 foot bgs, that reported a toluene concentration of 0.083 mg/kg. Chloride concentrations were reported as follows:

SS-1 (1')	320 mg/kg
SS-1 (2')	2,400 mg/kg
SS-1 (3')	2,080 mg/kg
SS-2 (1')	112 mg/kg
SS-2 (2')	512 mg/kg
SS-2 (3')	928 mg/kg

Appendix A provides a copy of the laboratory results and chain of custody documentation.







July 27, 2010

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

Re: Pacheco Fed Com #1

Enclosed are the results of analyses for sample number H20388, received by the laboratory on 07/20/10 at 6:30 pm.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021 Method SW-846 8260 Benzene, Toluene, Ethyl Benzene, and Total Xylenes 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: 07/20/10 Reporting Date: 07/26/10

Project Owner: DEVON ENERGY

Project Name: PACHECO FED COM #1

Project Location: NOT GIVEN

Sampling Date: 07/20/10

Sample Type: SOIL

Sample Condition: COOL & INTACT @ 6°C

Sample Received By: AB Analyzed By: AB/ZL/CK

**GRO** DRO **ETHYL** TOTAL LAB NO. (>C<sub>10</sub>-C<sub>28</sub>) BENZENE TOLUENE BENZENE XYLENES SAMPLE ID  $(C_6-C_{10})$ CI\* (mg/kg) (mg/kg) (mg/kg) (mg/kg) (mg/kg) (mg/kg) (mg/kg)

ANALYSIS DATE:	07/26/10	07/26/10	07/21/10	07/21/10	07/21/10	07/21/10	07/23/10
H20388-1 SS#1-1'	<10.0	<10.0	<0.050	0.083	<0.050	<0.300	320
H20388-2 SS#1-2'	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300	2,400
H20388-3 SS#1-3'	<10.0	13.6	<0.050	<0.050	<0.050	<0.300	2,080
H20388-4 SS#2-1'	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300	112
H20388-5 SS#2-2'	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300	. 512
H20388-6 SS#2-3'	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300	928
Quality Control	453	443	0.009	0.009	0.009	0.026	520
True Value QC	500	500	0.010	0.010	0.010	0.030	500
% Recovery	90.6	88.6	90.0	90.0	90.0	86.7	104
Relative Percent Difference	0.2	1.1	<1.0	<1.0	<1.0	1.0	< 0.1

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8021B; CI-: Std. Methods 4500-CI-B \*Analyses performed on 1:4 w:v aqueous extracts. Reported on wet weight.

TEXAS NELAP ACCREDITATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE, AND TOTAL XYLENES. Not accredited for GRO/DRO and Chloride.

Lab Director

Date

H20388 TBCL OCO



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: OCOTIVO CAMIROLIMELITAL				Ĕ,	BILL TO			ANALYSIS REQUEST													
				P.	P.O. #:								Ī	1	Ī			-			
Address: PO Box 1816				Co	Company:																
City: 40665 State: NM Zip: 8824/				At	Attn:			l	1					İ							
Phone #: 575 73 - 637 / Fax #: \$ 432 - 272 - 0304				YAC	Address: S/J/MC			]	B												
Project #: A Project Owner: De VOL/ Elkr-31/									15				1		1						
Project Name:	ACHECO Fed Con	7#/			St	State: Zip:			2/5W	-											
Project Location	<u> </u>				Ph	Phone #:			12	75	Į						ļ				
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FOR LAB USE ONLY				MATRIX		PRES	ERV.	SAMPL	NG	Ĭ	ļ										
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Lavi.D.	Sample I.D.	(G)RAB OR	# CONTAINERS GROUNDWATER WASTEWATER	SOIL	SLUDGE OTHER:	ACID/BASE:	OTHER:	DATE	TIME	1	$\mathcal{S}$	U									
H20388-1	SS =/-1'		# O S	v 0	s   0	$ \nabla $	10	7-20-10			レ	-				<b></b>					
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analyses All claims including	Damages. Cardinal's liability and client's exclusive remody for those for negligence and any other cause whatsoever shall be runal be liable for incidental or consequental damages, includ	e deemed wave	ed unless made	in walling and i	eceived t	y Cardinal	within 3	i days after comp	klion of the applic	able				·	L	·	L				احجرجي
	gout of or related to the performance of services hereunder	y Cardinal rega	ardless of wheth	her such claim						sult.	☐ Ye	e 🗂	No	Add'l	Phone	#:			······		
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Time:				REMARKS			); , 1	RICCINGY FAX							. ,						
Relinquished By:				41			AT	432-272-0304													
Delivered By: (Circle One) Sample Condition CHECKED BY: CINCLY COM																					
Sampler - UPS		#-	Con	nple Conc ol Intac Yes X			ieck initi		CIAR	7, YK	V-1211	~ O	UIN	P4   L	CUA	<b>~</b> `					
EORM N	10 (	141		No 🗌	No								-								

Devon Energy Production Company, LP NMNM72652: Pacheco Federal Com #3 2280' FNL & 660' FWL, Sec. 31, T19S-R28E Eddy County, New Mexico

RE: Reserve Pit Remediation and Reclamation Condition of Approval

Approved with the condition the soil and fertilizer not be blended into the existing surface material (to prevent the potential for bringing the salts to surface), but used to place a cap on the pit area. Windrows should not be cut into the surfacing material for the same reason. Windrows should be built across the slope with a diversion placed above the pit area to keep runoff from entering the reclamation area. All disturbed surface can be shallow disked at seeding. Seed the location with a combination of #3 and #4 BLM seed mix.

If you have any questions, please contact James A. Amos @ 575-234-5909.

8/29/10