

Ocotillo ENVIRONMENTAL

Dirt Work • On-Site Remediation • Soil Testing • Excavation

March 8, 2011

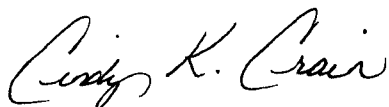
Mr. Mike Bratcher
Oil Conservation Division
New Mexico Energy, Minerals and Natural Resources Department
1301 W. Grand Avenue
Artesia, New Mexico 88210

**Re: Spill Remediation Report
Devon Energy,
Ore Ida 14 Federal #12,
Unit Letter K (NE/4, SW/4), Section 14, Township 24 South, Range 29 East,
Eddy County, New Mexico (Latitude: N 32.21306°, Longitude: W 103.95565°)
2RP # 417**

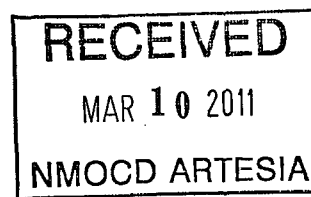
Dear Mr. Bratcher:

Please find enclosed a copy of the above-referenced report. The report is submitted on behalf of Devon Energy, and presents the final results of spill remediation conducted by Ocotillo Environmental, LLC. Please call Jerry Mathews at (575) 748-5234 or myself at (575) 441-7244 if you have questions.

Sincerely,
Ocotillo Environmental, LLC



Cindy K. Crain, P.G.
Environmental Manager



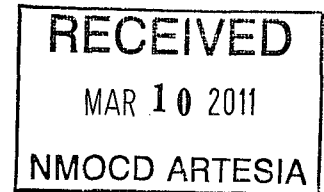
cc: Jerry Mathews – Devon
Jim Amos - BLM

Ocotillo ENVIRONMENTAL

Dirt Work • On-Site Remediation • Soil Testing • Excavation

March 4, 2011

Mr. Mike Bratcher
Oil Conservation Division
New Mexico Energy, Minerals and Natural Resources Department
1301 W. Grand Avenue
Artesia, New Mexico 88210



**Re: Spill Remediation Report
Devon Energy,
Ore Ida 14 Federal #12,
Unit Letter K (NE/4, SW/4), Section 14, Township 24 South, Range 29 East,
Eddy County, New Mexico (Latitude: N 32.21306°, Longitude: W 103.95565°)
2RP # 417**

Dear Mr. Bratcher:

Devon Energy Production Company, L.P. (Devon) has retained Ocotillo Environmental, LLC (Ocotillo) to remediate impacts to soil from a spill that occurred at the Ore Ida 14 Federal #12 (Site) on May 27, 2010. Approximately 15 barrels of produced water were spilled from a flow line located in the northeast quarter (NE/4) of the southwest quarter (SW/4), Section 14, Township 24 South, Range 29 East, Eddy County, New Mexico, and no fluid was recovered from the site. A C-141 was submitted to the New Mexico Oil Conservation Division (NMOCD) on May 28, 2010, a copy of which is attached. Figure 1 shows the site location. Figure 2 shows the spill area.

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 90 feet below ground surface (bgs) at the nearest well. No domestic water wells 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	50-99 Feet	10
Wellhead Protection Area	No	0
Distance to Surface Water Body	>1000 Horizontal Feet	0
	Total:	10

The following RRALs have been assigned based on NMOCD criteria:

Benzene 10 mg/kg
Total BTEX 50 mg/kg
TPH 1,000 mg/kg

A Remediation Workplan was submitted to the NMOCD via email on September 14, 2010 that detailed the collection of samples from two (2) locations (TH-1 and TH-2) at the spill area. In that Workplan, Devon proposed to "conduct excavation of the chloride impacted soil in the vicinity of sample point TH-2 to a depth of approximately eight (8) to nine (9) feet bgs. Horizontal delineation will be determined by laboratory analysis of samples collected during excavation. All excavated soil will be hauled to an NMOCD approved disposal facility." The Workplan also stated that "upon obtaining laboratory chloride results less than 1,000 mg/kg, a 20 mil plastic liner will be installed at the eight (8) to nine (9) foot depth, and the excavated area will be backfilled with clean soil."

The Remediation Workplan was verbally approved on September 15, 2010. Figure 2 shows the sample point TH-1 and TH-2 locations.

Remediation Activities

From September 21 to October 13, 2010, Ocotillo excavated soil from the spill area and hauled to an NMOCD approved disposal facility. Soil samples were collected from the sides of the excavated area and submitted to Cardinal Laboratories (Cardinal) of Hobbs, New Mexico for chloride analyses. The spill area in the vicinity of initial soil sample TH-2 was excavated to a depth of 8.5 feet bgs until side wall samples reported chloride concentrations less than 1,000 mg/kg. A 20 mil plastic liner was installed at the 8.5 foot depth, and the area was backfilled with clean soil. The area in the vicinity of initial soil sample TH-1 was excavated to a depth of one (1) foot bgs until side wall samples reported a chloride concentration less than 1,000 mg/kg, and that area was also backfilled with clean soil. Figure 2 shows the soil sample locations and respective chloride concentrations. Table 1 presents a summary of the laboratory analyses of soil samples. Appendix A provides laboratory data and chain of custody documentation. Appendix B provides photographic documentation of the remediation activities.

Devon respectfully requests that the Ore Ida 14 Federal #12 site be closed by the NMOCD. A final C141 form is attached as the last page of this report.

If you have any questions or need additional information, please call Mr. Jerry Mathews at (575) 748-5234, or myself at (575) 441-7244. We may also be reached by email at Jerry.Mathews@dvn.com or Cindy.Crain@gmail.com.

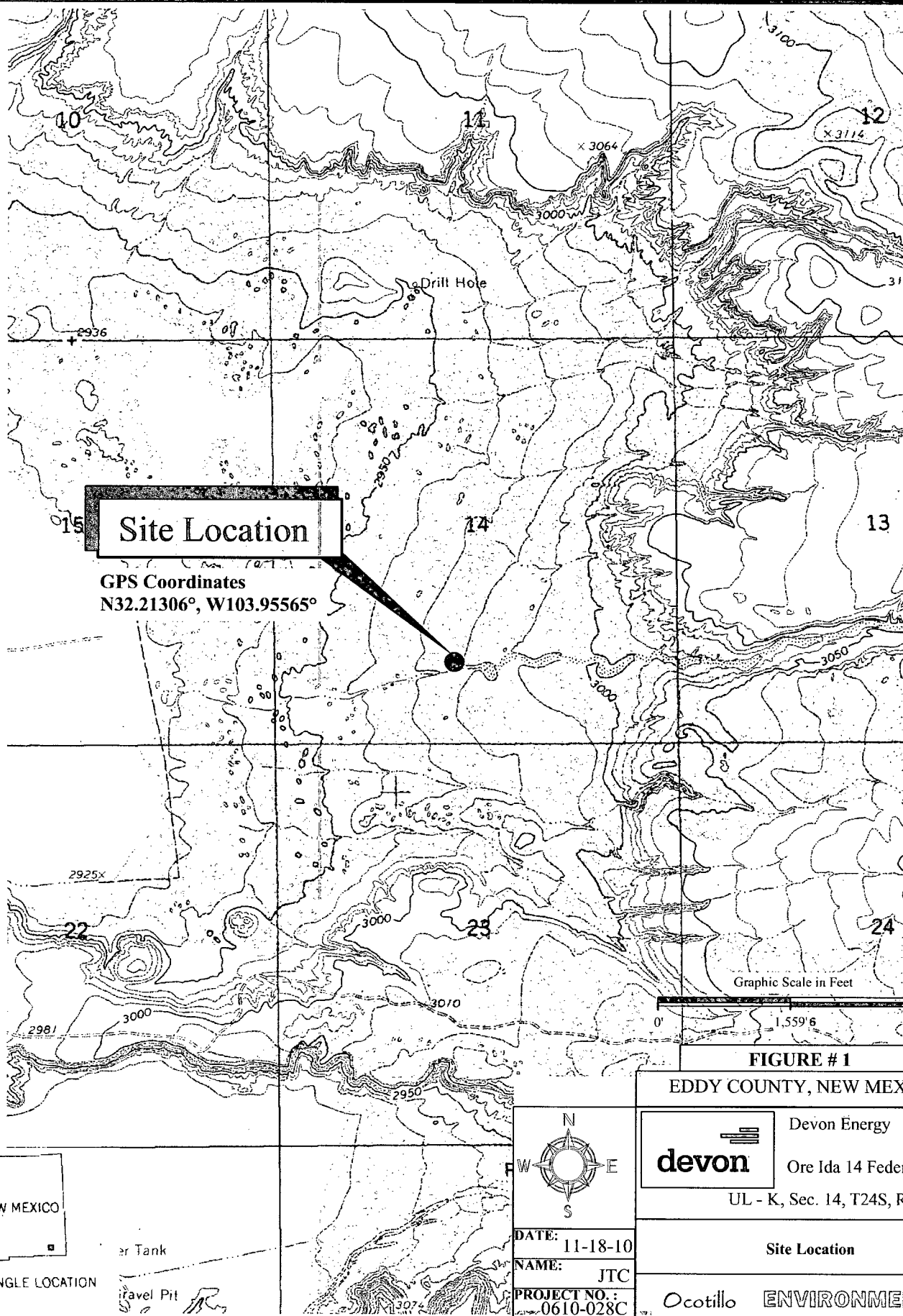
Sincerely,
Ocotillo Environmental, LLC



Cindy K. Crain, P.G.
Environmental Manager

cc: Jim Amos, BLM
Jerry Mathews, Devon

FIGURES



Site Location
 GPS Coordinates
 N32.21306°, W103.95565°

Graphic Scale in Feet

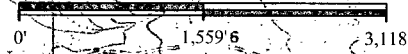
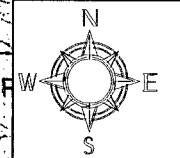


FIGURE # 1

EDDY COUNTY, NEW MEXICO

devon Devon Energy
 Ore Ida 14 Federal #12
 UL - K, Sec. 14, T24S, R29E



DATE: 11-18-10
 NAME: JTC
 PROJECT NO.: 0610-028C



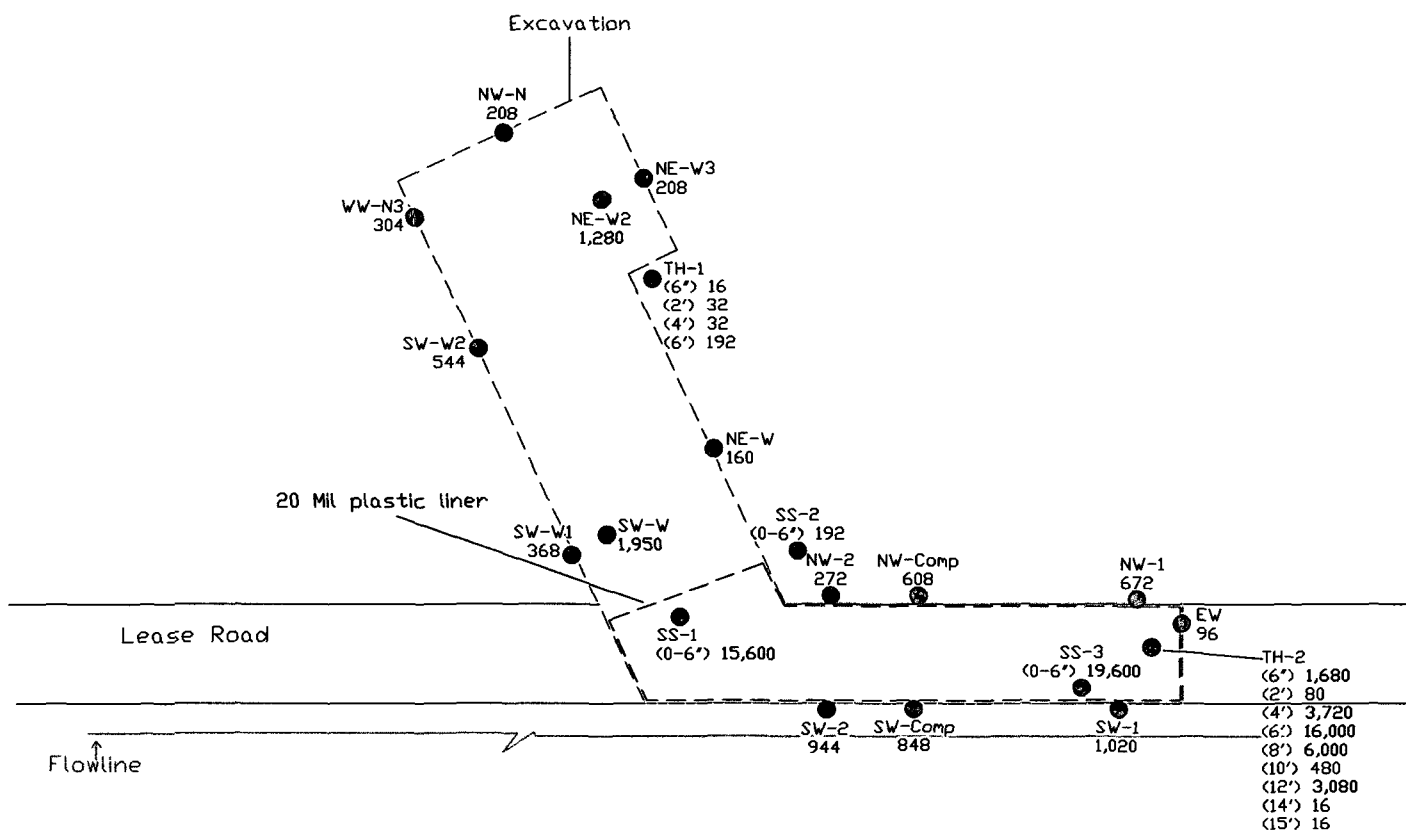
QUADRANGLE LOCATION

er Tank

Gravel Pit

Ocotillo ENVIRONMENTAL

Wellhead
N 32.21306°, W 103.95565°



Graphic Scale in Feet

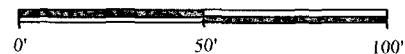


FIGURE # 2

EDDY COUNTY, NEW MEXICO

devon

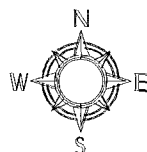
Devon Energy

Ore Ida 14 Federal #12

UL - K, Sec. 14, T24S, R29E

Site Drawing with Soil Sample Locations

Ocotillo ENVIRONMENTAL



DATE: 11-18-10
NAME: JTC
PROJECT NO.: 0610-028C

LEGEND

SS-1
(0-6') 15,600

Soil Sample Location with
Depth (feet bgs) and
Chloride Concentration
(mg/kg)

TABLE

Table 1:
Summary of Laboratory Analysis of Soil Samples from Excavation
Devon Energy, Ore Ida 14 Federal #12
Unit Letter K, Section 14, Township 24 South, Range 29 East
Eddy County, New Mexico

Sample Date	Sample Name	Sample Depth (feet BGS)	Chloride (mg/kg)	Soil Status
WQCC Standard			1,000	
6/10/10	SS-1	0-6"	15,600	Excavated
6/10/10	SS-2	0-6"	192	Excavated
6/10/10	SS-3	0-6"	19,600	Excavated
9/8/10	TH-1	0-6"	16	In Situ
9/8/10	TH-1	2	32	In Situ
9/8/10	TH-1	4	32	In Situ
9/8/10	TH-1	6	192	In Situ
9/8/10	TH-2	0-6"	1,680	Excavated
9/8/10	TH-2	2	80	Excavated
9/8/10	TH-2	4	3,720	Excavated
9/8/10	TH-2	6	16,000	Excavated
9/8/10	TH-2	8	6,000	Excavated
9/8/10	TH-2	10	480	In Situ
9/8/10	TH-2	12	3,080	In Situ
9/8/10	TH-2	14	16	In Situ
9/8/10	TH-2	15	16	In Situ
9/21/10	NW Comp	(side wall)	608	In Situ
9/21/10	SW Comp	(side wall)	848	In Situ
9/23/10	E W	(side wall)	96	In Situ
9/23/10	NW-1	(side wall)	672	In Situ
9/23/10	NW-2	(side wall)	272	In Situ
9/23/10	SW-1	(side wall)	1,020	In Situ
9/23/10	SW-2	(side wall)	944	In Situ
9/23/10	NE-W	(side wall)	160	In Situ
9/23/10	SW-W	(side wall)	1,950	Excavated
9/29/10	SW-W	(side wall)	368	In Situ
9/29/10	SW-1-2	(side wall)	544	In Situ
10/11/10	NE W-2	(side wall)	1,280	Excavated
10/13/10	NE W-3	(side wall)	208	In Situ
10/11/10	NW N	(side wall)	208	In Situ
10/11/10	WW N-3	(side wall)	304	In Situ

Notes: All analyses conducted by Cardinal Laboratories, Hobbs, NM
1. BGS: Below Ground Surface
2. mg/kg: Milligrams per kilogram

APPENDIX A

LABORATORY DATA AND CHAIN OF CUSTODY DOCUMENTATION



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

June 15, 2010

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

Re: ORE IDA 14 #1 A Battery

Enclosed are the results of analyses for sample number H20099, received by the laboratory on 06/11/10 at 2:20 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 through 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

This report conforms with NELAP requirements.



(575) 393-2326 Fax (575) 393-2476

Page of

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 the client for the 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 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.

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

#26



September 10, 2010

Cindy Crain

Ocotillo Environmental, LLC

P.O. Box 1816

Hobbs, NM 88241

RE: ORE IDA 14, FED #12

Enclosed are the results of analyses for samples received by the laboratory on 09/09/10 7:53.

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 through 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 524.4	Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene
Lab Director/Quality Manager

Analytical Results For:

Ocotillo Environmental, LLC
Cindy Crain
P.O. Box 1816
Hobbs NM, 88241
Fax To: (432) 272-0304

Received: 09/09/2010
Reported: 09/10/2010
Project Name: ORE IDA 14, FED #12
Project Number: NONE GIVEN
Project Location: 10 MILES NE OF MALAGA, NM

Sampling Date: 09/08/2010
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: TH1 @ 6" (H020818-01)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	09/09/2010	ND	432	108	400	0.00		

Sample ID: TH1 @ 2' (H020818-02)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/09/2010	ND	432	108	400	0.00	

Sample ID: TH1 @ 4' (H020818-03)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/09/2010	ND	432	108	400	0.00	

Sample ID: TH1 @ 6' (H020818-04)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	09/09/2010	ND	432	108	400	0.00	

Sample ID: TH2 @ 6" (H020818-05)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1680	16.0	09/09/2010	ND	432	108	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Ocotillo Environmental, LLC
Cindy Crain
P.O. Box 1816
Hobbs NM, 88241
Fax To: (432) 272-0304

Received: 09/09/2010
Reported: 09/10/2010
Project Name: ORE IDA 14, FED #12
Project Number: NONE GIVEN
Project Location: 10 MILES NE OF MALAGA, NM

Sampling Date: 09/08/2010
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: TH2 @ 2' (H020818-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/09/2010	ND	432	108	400	0.00	

Sample ID: TH2 @ 4' (H020818-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3720	16.0	09/09/2010	ND	432	108	400	0.00	

Sample ID: TH2 @ 6' (H020818-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16000	16.0	09/09/2010	ND	432	108	400	0.00	

Sample ID: TH2 @ 8' (H020818-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6000	16.0	09/09/2010	ND	432	108	400	0.00		

Sample ID: TH2 @ 10' (H020818-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	09/09/2010	ND	432	108	400	0.00		

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Ocotillo Environmental, LLC
Cindy Crain
P.O. Box 1816
Hobbs NM, 88241
Fax To: (432) 272-0304

Received: 09/09/2010
Reported: 09/10/2010
Project Name: ORE IDA 14, FED #12
Project Number: NONE GIVEN
Project Location: 10 MILES NE OF MALAGA, NM

Sampling Date: 09/08/2010
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: TH2 @ 12' (H020818-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3080	16.0	09/09/2010	ND	432	108	400	0.00		

Sample ID: TH2 @ 14' (H020818-12)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	09/09/2010	ND	432	108	400	0.00		

Sample ID: TH2 @ 15' (H020818-13)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	09/09/2010	ND	432	108	400	0.00		

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories***=Accredited Analyte**

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Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

PAGE 1 OF 2

Company Name: DEVON		BILL TO		ANALYSIS REQUEST															
Project Manager: CINDY CRAIN		P.O. #:																	
Address: 2125 FRENCH DRIVE, P.O. BOX 1816		Company: OCOTILLO																	
City: Hobbs State: NM Zip: 88240		Attn:																	
Phone #: 575-441-7244 Fax #:		Address:																	
Project #: Project Owner: DCP		City:																	
Project Name: OREIDA 14, Fed. #22		State: Zip:																	
Project Location: 10 MILES NE OF MALAGA, NM		Phone #:																	
Sampler Name: DON GREEN		Fax #:																	
FOR LAB USE ONLY																			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME					
H20818-1	TH1 @ 6"	G	1			✓							9/8/10	14:30	✓				
2	TH1 @ 2'	G	1			✓							"	"	✓				
3	TH1 @ 4'	G	1			✓							"	"	✓				
4	TH1 @ 6'	G	1			✓							"	"	✓				
5	TH2 @ 6"	G	1			✓							9/8/10	15:30	✓				
6	TH2 @ 2'	G	1			✓							"	"	✓				
7	TH2 @ 4'	G	1			✓							"	"	✓				
8	TH2 @ 6'	G	1			✓							"	"	✓				
9	TH2 @ 8'	G	1			✓							"	"	✓				

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 the client for the analyses. As such, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received by Cardinal within 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-in-interest, 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.

Relinquished By: Don Green	Date: 9/9/10	Received By: Jodi Benson	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: 7:53		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS: RUSH	
	Time:			
Delivered By: (Circle One)	Sample Condition	CHECKED BY: (Initials)		
Sampler - UPS - Bus - Other:	Cool Intact			
	Yes No			

FORM-006
Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 676-393-2476

#26



CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

PAGE 2 OF 2

Company Name: DEVON		BILL TO		ANALYSIS REQUEST																		
Project Manager: CINDY CRAIN		P.O. #:																				
Address: 2125 FRENCH DRIVE, P.O. Box 1816		Company: Ocotillo																				
City: Hobbs State: NM Zip: 88240		Attn:																				
Phone #: 575-44-7244 Fax #:		Address:																				
Project #:		City:																				
Project Name: ORE IDA 14, Fed. #12		State: Zip:																				
Project Location: 10 MILE NE OF MALAGA, N.M.		Phone #:																				
Sampler Name: DON GREEN		Fax #:																				
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING														
Lab I.D.	Sample I.D.	(G/RAS OR C) OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	CL								
H20818-10	TH2@10'	6	1			✓						9/8/10	15:30	✓								
11	TH2@12'	6	1			✓						"	"	✓								
12	TH2@14'	6	1			✓						"	"	✓								
13	TH2@15'	6	1			✓						"	"	✓								

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 the client for the 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 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 profit incurred by client, its subsidiaries, affiliates or suppliers and/or 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.

Relinquished By: Don Green		Date: 9/9/10		Received By:		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
Time: 7:53						Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:	
Relinquished By:		Date:		Received By:		REMARKS: RUSH			
Time:									
Delivered By: (Circle One)		Sample Condition		CHECKED BY:					
Sampler - UPS - Bus - Other:		Cool Intact		(Initials)					
		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No		19.50 4H					

FORM-006
Revision 1.0

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#26



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

September 21, 2010

Cindy Crain

Ocotillo Environmental, LLC

P.O. Box 1816

Hobbs, NM 88241

RE: ORE IDA 14, FED #12

Enclosed are the results of analyses for samples received by the laboratory on 09/21/10 11:29.

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 through 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 524.4	Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Ocotillo Environmental, LLC
Cindy Crain
P.O. Box 1816
Hobbs NM, 88241
Fax To: (432) 272-0304

Received: 09/21/2010
Reported: 09/21/2010
Project Name: ORE IDA 14, FED #12
Project Number: NONE GIVEN
Project Location: 10 MILES NE OF MALAGA, NM

Sampling Date: 09/21/2010
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: NW - COMP. (H020890-01)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	09/21/2010	ND	448	112	400	3.64	

Sample ID: SW - COMP. (H020890-02)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	848	16.0	09/21/2010	ND	448	112	400	3.64	

Cardinal Laboratories

*=Accredited Analyte

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 the 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.

Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

* = Accredited Analyte

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 the 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.



Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

PAGE 1 OF 1

Company Name: DEVON ENERGY				BILL TO				ANALYSIS REQUEST																
Project Manager: CINDY CRAIN				P.O. #:																				
Address: 2125 FRENCH DRIVE, P.O. BOX 1816				Company:																				
City: Hobbs State: N.M. Zip: 88240				Attn:																				
Phone #: 575-441-7244 Fax #:				Address:																				
Project #:				Project Owner:																City:				
Project Name: ORE IDA 14, FED. #12				State:																Zip:				
Project Location: NE OF MALAGA, N.M. (10 MILES)				Phone #:																				
Sampler Name: DON GREEN				Fax #:																				
FOR LAB USE ONLY						MATRIX		PRESERV.		SAMPLING														
Lab I.D.	Sample I.D.	(GRAB OR (COMP. # CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME												
H20890-1	NW-Comp.	C1			✓						9/21/10	8:00	CL											
2	SW-Comp.	C1			✓																			

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 the client for the 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 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.

Relinquished By: Don Green	Date: 9/21/10 Time: 11:29	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:	Date:	Received By: Jodi Benson	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Time:	Sample Condition: Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No	REMARKS: Rush 441-0405 Don
		CHECKED BY: JH (Initials)	

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#26



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

September 27, 2010

Cindy Crain

Ocotillo Environmental, LLC

P.O. Box 1816

Hobbs, NM 88241

RE: ORE IDA 14, FED #12

Enclosed are the results of analyses for samples received by the laboratory on 09/23/10 13:01.

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 through 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 524.4	Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene
Lab Director/Quality Manager

Analytical Results For:

 Ocotillo Environmental, LLC
 Cindy Crain
 P.O. Box 1816
 Hobbs NM, 88241
 Fax To: (432) 272-0304

 Received: 09/23/2010
 Reported: 09/27/2010
 Project Name: ORE IDA 14, FED #12
 Project Number: NONE GIVEN
 Project Location: 10 MILES NE OF MALAGA, NM

 Sampling Date: 09/23/2010
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: E W (H020910-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/27/2010	ND	432	108	400	3.77	

Sample ID: NW - 1 (H020910-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	09/27/2010	ND	432	108	400	3.77	

Sample ID: NW - 2 (H020910-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	09/27/2010	ND	432	108	400	3.77	

Sample ID: SW - 1 (H020910-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1020	16.0	09/27/2010	ND	432	108	400	3.77	

Sample ID: SW - 2 (H020910-05)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	09/27/2010	ND	432	108	400	3.77	

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Ocotillo Environmental, LLC
 Cindy Crain
 P.O. Box 1816
 Hobbs NM, 88241
 Fax To: (432) 272-0304

 Received: 09/23/2010
 Reported: 09/27/2010
 Project Name: ORE IDA 14, FED #12
 Project Number: NONE GIVEN
 Project Location: 10 MILES NE OF MALAGA, NM

 Sampling Date: 09/23/2010
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: NE - W (H020910-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	09/27/2010	ND	432	108	400	3.77		

Sample ID: SW - W (H020910-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1950	16.0	09/27/2010	ND	432	108	400	3.77		

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

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(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

Company Name: DEVON ENERGY				BILL TO		ANALYSIS REQUEST									
Project Manager: CINDY CRAIN				P.O. #:											
Address: 2125 FRENCH DRIVE, P.O. Box 1816				Company: Ocotillo											
City: Hobbs		State: N.M.		Zip: 88240											
Phone #: 575-441-7244				Fax #:											
Project #:				Project Owner:											
Project Name: OREIDA 14, FED. #12				State: Zip:											
Project Location: 10 mi. NE OF MALAGA, N.M.				Phone #:											
Sampler Name: Don Green				Fax #:											
Lab I.D.	Sample I.D.	GIRAB OR (C)OMP # CONTAINERS	MATRIX					PRESERV			SAMPLING		CL		
			GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME			
H20910-1	EW	C			✓			✓			9/23/10	9:45	✓		
2	NW-1	C			✓			✓			"	"	✓		
3	NW-2	C			✓			✓			"	"	✓		
4	SW-1	C			✓			✓			"	"	✓		
5	SW-2	C			✓			✓			"	"	✓		
6	NE-W	C			✓			✓			"	"	✓		
7	SW-W	C			✓			✓			"	"	✓		

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 the client for the analysis. No party is assuming liability for negligence and any other cause whatsoever that be deemed waived unless made in writing and received by Cardinal within 90 days after completion of the applicable service. No party is assuming liability for negligence and any other cause whatsoever that be deemed waived unless made in writing and received by Cardinal within 90 days after completion of the applicable service. No party is assuming liability for negligence and any other cause whatsoever that be deemed waived unless made in writing and received by Cardinal within 90 days after completion of the applicable service.

Relinquished By: Don Green	Date: 9/23/10	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Time: 13:01	Date:	Time:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:
Time:	Date:	Time:	
Delivered By: (Circle One)	Sample Condition	CHECKED BY:	
Sampler - UPS - Bus - Other:	Cool Intact	(Initials)	
	5°C <input type="checkbox"/> Yes <input type="checkbox"/> No		

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Revision 1.0

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

September 29, 2010

Cindy Crain

Ocotillo Environmental, LLC

P.O. Box 1816

Hobbs, NM 88241

RE: ORE IDA 14, FED #12

Enclosed are the results of analyses for samples received by the laboratory on 09/29/10 11:56.

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 through 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 524.4	Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

RECEIVED



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

Analytical Results For:

Ocotillo Environmental, LLC
Cindy Crain
P.O. Box 1816
Hobbs NM, 88241
Fax To: (432) 272-0304

Received: 09/29/2010
Reported: 09/29/2010
Project Name: ORE IDA 14, FED #12
Project Number: 3 IN POLY LINE
Project Location: 10 MILES NE OF MALAGA, NM

Sampling Date: 09/29/2010
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: SW - W 1 (H020945-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	09/29/2010	ND	400	100	400	0.00	

Sample ID: SW - 1 - 2 (H020945-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	09/29/2010	ND	400	100	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

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 the 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.

Celey D. Keene, Lab Director/Quality Manager

00000000



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

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

00000000

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

→ CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

Page 1 of 1

Company Name: DEVON ENERGY		BILL TO		ANALYSIS REQUEST															
Project Manager: CINDY CRAIN		P.O. #:																	
Address: 2125 FRENCH DRIVE, P.O. Box 1816		Company:																	
City: Hobbs State: N.M. Zip: 88240		Attn:																	
Phone #: 575-441-7244 Fax #:		Address:																	
Project #: 3" Poly Line Project Owner:		City:																	
Project Name: OREIDA 14, FED. #12		State: Zip:																	
Project Location: 10 MILES NE OF MALAGA, N.M.		Phone #:																	
Sampler Name: Don Green		Fax #:																	
FOR LAB USE ONLY	Lab I.D.	Sample I.D.	IGRAB OR (COMP. #)	MATRIX	PRESERV.	SAMPLING													
				GROUNDWATER WASTEWATER SOIL SLUDGE OTHER	ACID/BASE ICE / COOL OTHER	DATE	TIME	CL											
	H20445-1	SW-W-1	C1	✓		9/29/10	9:00	✓											
	2	SW-W-2	C1	✓		"	"	✓											

PLEASE NOTE: Liability and Damages. Cardinal's liability, and client's exclusive remedy for any claim arising whether caused in contract or tort, shall be limited to the amount paid by the client for the analysis. No liability shall be assumed for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 90 days after completion of the applicable service. No event shall constitute a release of liability for consequential damages, including without limitation business interruption, loss of use, or loss of profits, incurred by client or its subsidiaries, affiliates, or agents, arising out of or from the performance of services rendered by Cardinal. Remedies of any other jurisdiction are hereby waived. Any of the above stated terms or conditions.

Relinquished By: Don Green	Date: 9/29/10	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Time: 11:56			Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date: 9/29/10	Received By: John Benson	REMARKS: 441-0405 call Don w/verbaals	
Time: 11:56			Rush!	
Delivered By: (Circle One)	Sample Condition	CHECKED BY: GH		
Sampler - UPS - Bus - Other:	Cool Intact			
	<input type="checkbox"/> Yes <input type="checkbox"/> No			

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Revision 1.0

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#26



October 12, 2010

Cindy Crain

Ocotillo Environmental, LLC

P.O. Box 1816

Hobbs, NM 88241

RE: ORE IDA 14, FED #12

Enclosed are the results of analyses for samples received by the laboratory on 10/12/10 8:30.

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.

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Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

Ocotillo Environmental, LLC
Cindy Crain
P.O. Box 1816
Hobbs NM, 88241
Fax To: (432) 272-0304

Received: 10/12/2010
Reported: 10/12/2010
Project Name: ORE IDA 14, FED #12
Project Number: 3 IN. POLY LINE
Project Location: 10 MILES NE OF MALAGA, NM

Sampling Date: 10/11/2010
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: NE W - 2 (H021031-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1280	16.0	10/12/2010	ND	432	108	400	3.77	

Sample ID: NW N (H021031-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	10/12/2010	ND	432	108	400	3.77	

Sample ID: WW - N - 3 (H021031-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	10/12/2010	ND	432	108	400	3.77	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

PAGE 1 of 1

Company Name: DEVON ENERGY		BILL TO		ANALYSIS REQUEST																							
Project Manager: CINDY CRAIN		P.O. #:																									
Address: 2125 FRENCH DRIVE, P.O. Box 1816		Company: Ocotillo																									
City: Hobbs State: NM Zip: 88240		Attn:																									
Phone #: 575-441-7244 Fax #:		Address:																									
Project #: 3" Poly LINE Project Owner: DEVON		City:																									
Project Name: ORE Ida 14, FED. #12		State: Zip:																									
Project Location: 10 MILES NE OF MALAGA, N.M.		Phone #:																									
Sampler Name:		Fax #:																									
Lab I.D.	Sample I.D.	GRAB OR COMPOUND	# CONTAINERS	MATRIX					PRESERV.		SAMPLING																
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME													
H21031-1	NEW-2	C	1			/							10/11/10	14:00	✓												
2	NW-N	C	1			/							"	"	✓												
3	NW-N-3	C	1			/							"	"	✓												

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Relinquished By: Don Green	Date: 10/13/10 Time: 8:30	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:	Date: 10/12/10 Time: 8:30	Received By: Jodi Hanson	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:
Delivered By: (Circle One)	Sample Condition: 22°C		CHECKED BY: Rush
Sampler - UPS - Bus - Other:	Cool Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		REMARKS: 441-0405 DON

FORM-006

Revision 1.0

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

#260



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

October 13, 2010

Cindy Crain

Ocotillo Environmental, LLC

P.O. Box 1816

Hobbs, NM 88241

RE: ORE IDA 14, FED #12

Enclosed are the results of analyses for samples received by the laboratory on 10/13/10 13:18.

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 through 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 524.4	Regulated VOCs (V2, V3)

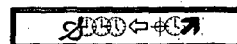
Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager





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

Analytical Results For:

Ocotillo Environmental, LLC
Cindy Crain
P.O. Box 1816
Hobbs NM, 88241
Fax To: (432) 272-0304

Received: 10/13/2010
Reported: 10/13/2010
Project Name: ORE IDA 14, FED #12
Project Number: none given
Project Location: 10 MILES NE OF MALAGA, NM

Sampling Date: 10/13/2010
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: NE-W-3 (H021047-01)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	10/13/2010	ND	416	104	400	3.77	

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Celestine D. Keene

Celestine D. Keene, Lab Director/Quality Manager





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

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

PAGE 1 of 1

Company Name: DEVON ENERGY		BILL TO		ANALYSIS REQUEST																			
Project Manager: CINDY CRAIG		P.O. #:																					
Address: 2125 FRENCH DRIVE, P.O. Box 1816		Company:																					
City: Hobbs State: NM Zip: 88240		Attn:																					
Phone #: 575-44-7244 Fax #:		Address:																					
Project #:		City:																					
Project Name: OREIDA 14, FED. #12		State: Zip:																					
Project Location: 10 MILES NE OF MALAGA, N.M.		Phone #:																					
Sampler Name: DON GREEN		Fax #:																					
FOR LAB USE ONLY	Lab I.D.	Sample I.D.	(GIRABOR) COMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING																
			GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME											
	H21047	NE-W-3	C1								10/13/10	11:00	CL										

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Relinquished By: Don Green	Date: 10/13/10	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Date: 10/13/10	Received By: Jodi Benson	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One)	Time: 13:18	Time: 13:18	REMARKS: Don 441-0405	
Sampler: UPS - Bus - Other:	Sample Condition	CHECKED BY: [Signature]	Rush	
	Cool Intact	(Initials)		
	<input type="checkbox"/> Yes <input type="checkbox"/> No			

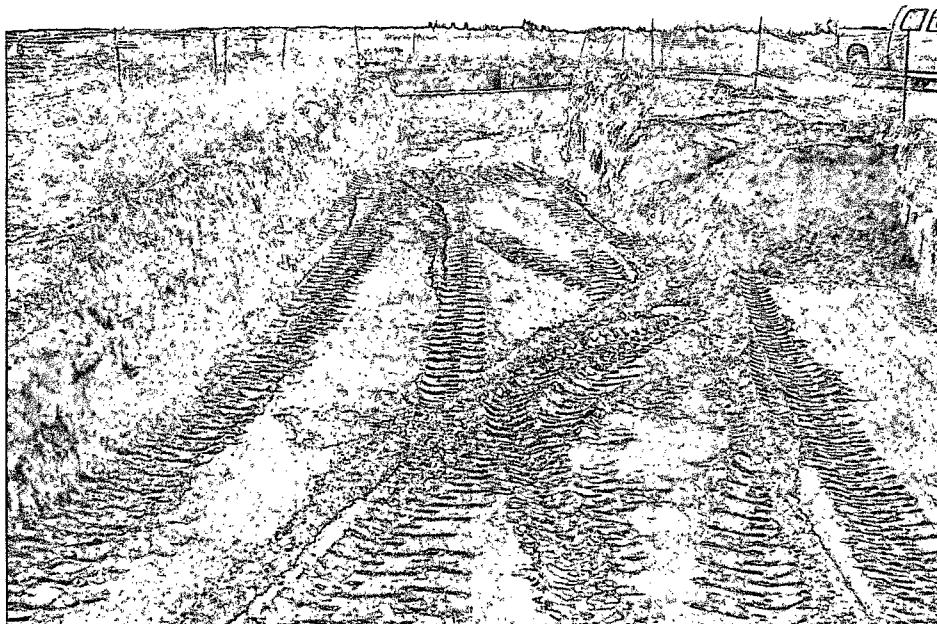
FORM-006
Revision 1.0

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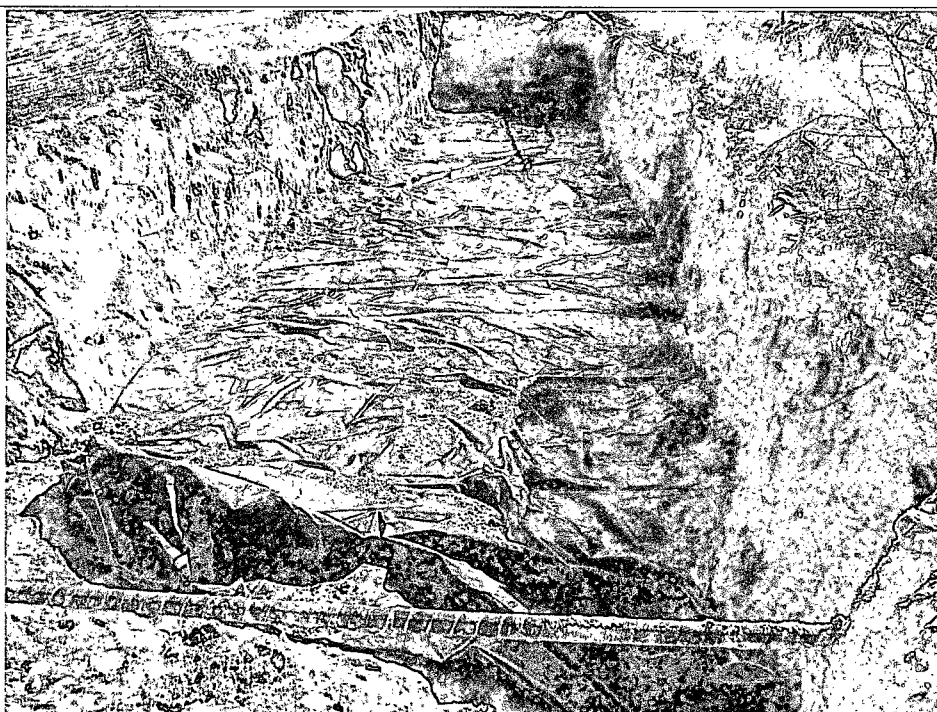
APPENDIX B

PHOTOGRAPHS

DEVON ENERGY, ORE IDA 14 FEDERAL #12

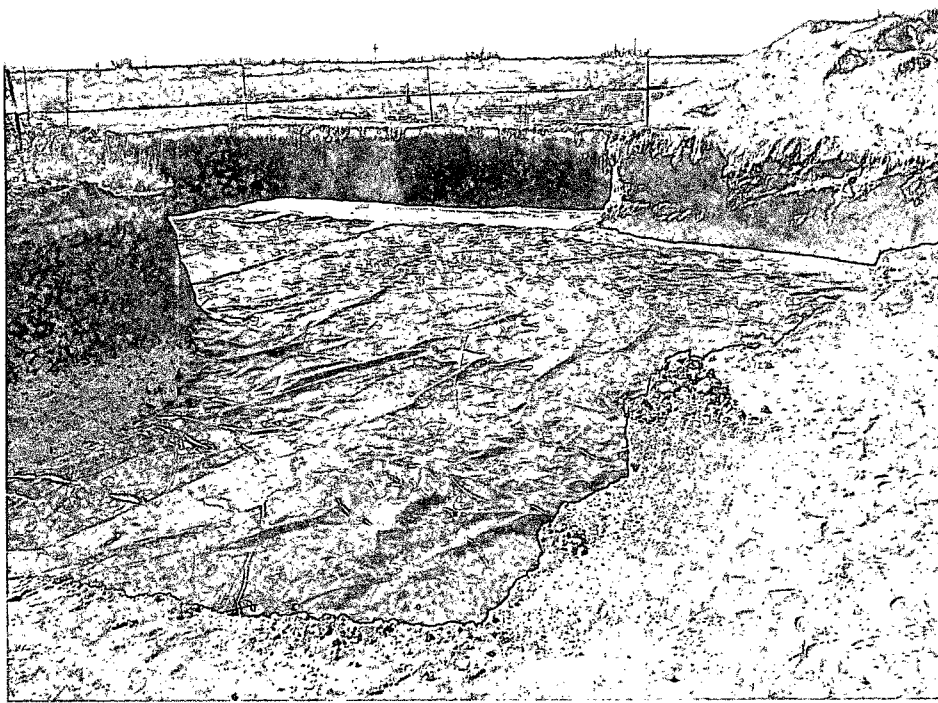


1. View to east of excavation prior to lining.

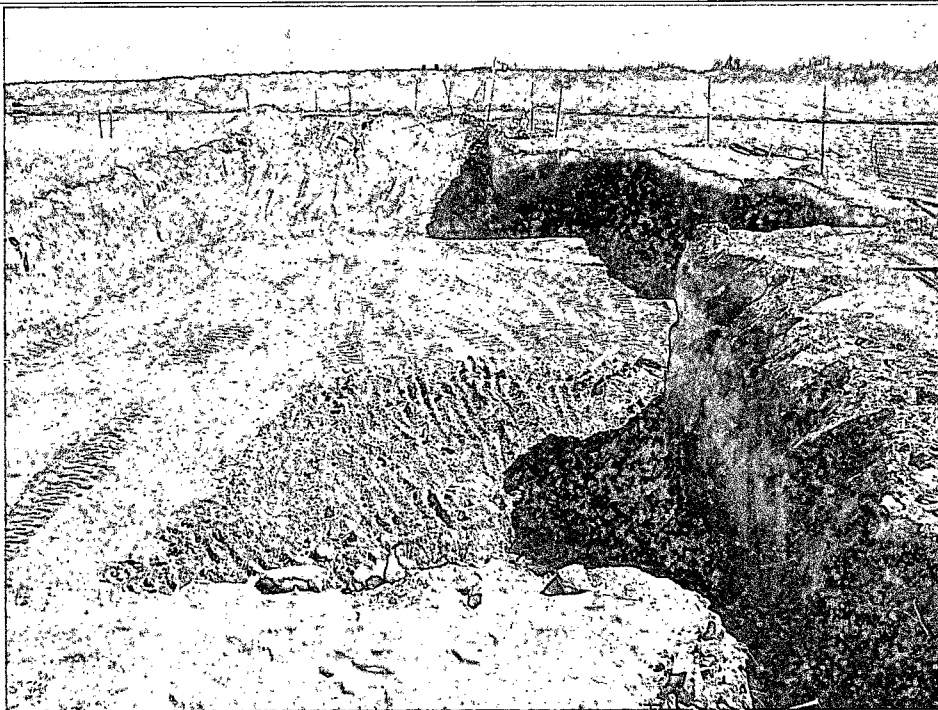


2. View to east of excavation with liner.

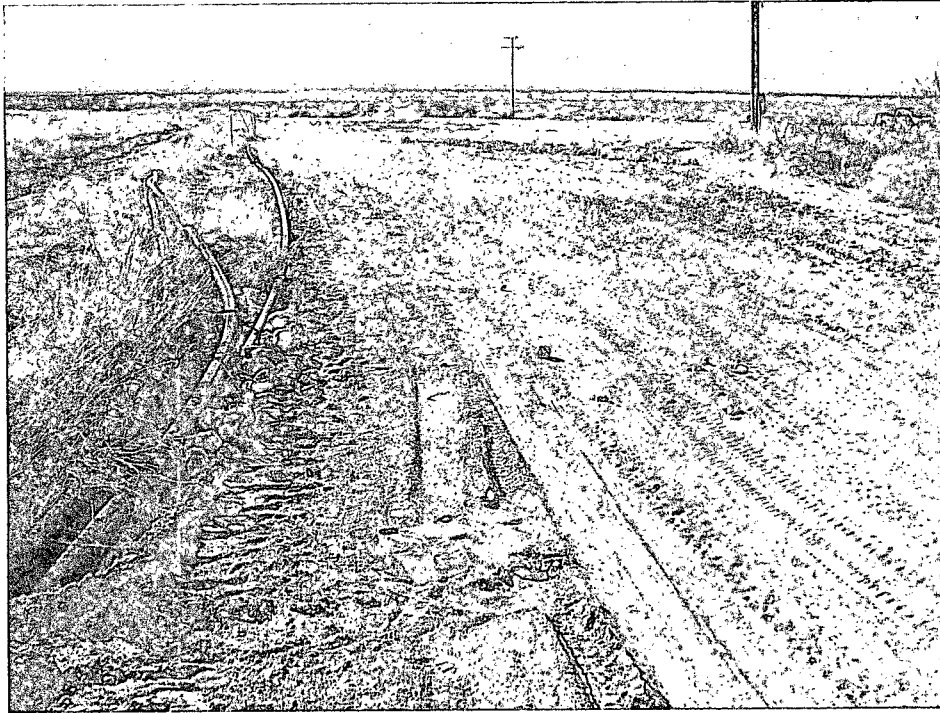
DEVON ENERGY, ORE IDA 14 FEDERAL #12



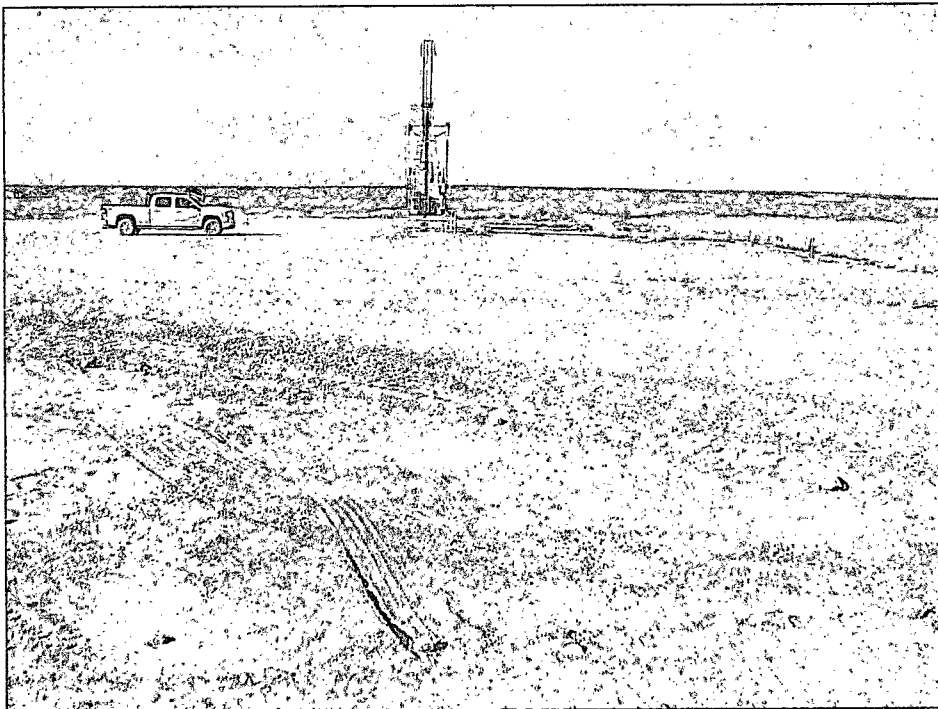
3. View to south of excavation with liner.



4. View to east of northern portion of excavation.



5. View to east of southernmost backfilled spill area.



6. View to northeast of northernmost backfilled spill area.

C141 DOCUMENTATION

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

RECEIVED
JUN -4 2010
NMOCD ARTESIA

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

30-015-29291

Release Notification and Corrective Action

NMLB 1016045870

OPERATOR

☐ Initial Report

☐ Final Report

Name of Company	Devon Energy	6137	Contact	Jerry Matthews, Foreman
Address	6488 Seven Rivers Hwy - P.O. Box 250		Telephone No.	575-748-5234
Facility Name	Ore Ida 14 Federal #12		Facility Type	

Surface Owner	BLM	Mineral Owner		Lease No.	
---------------	-----	---------------	--	-----------	--

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	14	24S	29E	1880	FSL	2480	FWL	Eddy

Latitude - N 32.21516 * Longitude - 103.94927

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 15 bbls	Volume Recovered 0
Source of Release Flowline	Date and Hour of Occurrence 05/27/10 - 11:30 am	Date and Hour of Discovery 05-27-10 - 11:30 am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Jim Amos	
By Whom? Eric Bell, Lease Operator	Date and Hour 05-27-10 - 3:50 pm	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

On arrival at the Ore Ida 14 #12 the Lease Operator observed some guys doing some dirt work near our poly line; also observed standing water. Went to investigate where it was coming from and an employee from B&H informed Lease Operator that they discovered the leak and went into town to get a clamp and they tried clamping the line. Called and had gang come out and fix line

Describe Area Affected and Cleanup Action Taken.*

Took clamp off and repaired line and will teel, rake, and fertilize affective area on location.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: <u>Mykol Horner</u>	OIL CONSERVATION DIVISION	
Printed Name: Mykol Horner	Approved by District Supervisor <u>Signed By [Signature]</u>	
Title: Field Tech 1	Approval Date: JUN 09 2010	Expiration Date:
E-mail Address: mykol.horner@dvn.com	Conditions of Approval: REMEDATION per OCD Rules and Guidelines. SUBMIT REMEDIATION PROPOSAL BY: June 30, 2010	Attached <input type="checkbox"/>
Date:	Phone: 575-748-0160	

* Attach Additional Sheets If Necessary

NMLB 1016046346

2RP-417