

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., 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

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: ConocoPhillips	Contact:	
Address: 29 Vacuum Complex Lane	Telephone No.	
Facility Name: VEGU West Battery	Facility Type: Battery	
Surface Owner: NMOCD	Mineral Owner NMOCD	API No. 3002521012

LOCATION OF RELEASE

Unit Letter A	Section 31	Township 17S	Range 35E	Feet from the 760	North/South Line North	Feet from the 660	East/West Line West	County LEA
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Latitude **32.7967056673181** Longitude - **103.486328516973**

NATURE OF RELEASE

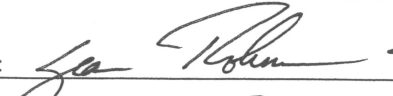
Type of Release: Spill	Volume of Release: 70 BBLs	Volume Recovered: 40 BBLs
Source of Release: Water Tank	Date and Hour of Occurrence 03/26/14 1:00 am	Date and Hour of Discovery 03/26/14 4:00 am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Geoffrey Leking	
By Whom? Spencer Cluff	Date and Hour: 03/26/2014 2:00 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.*		
<div>RECEIVED By OCD; Dr. Oberding at 9:16 am, Apr 13, 2015</div>		

Describe Cause of Problem and Remedial Action Taken.* There was a power outage caused by lightening. The automatic SWD valve could not function without power. The valve had to be manually opened.

Describe Area Affected and Cleanup Action Taken.* On March 26th, 2014, there was a power outage caused by lightening. The automatic SWD valve could not function without power, causing a water tank to overflow. Seventy barrels of primarily produced water and some oil were released over 14,569 square feet of caliche pad and pasture. A vacuum truck was called to the site and 40 barrels of the fluid was recovered. Two samples were collected at 1 ft bgs within the battery and sent to a commercial laboratory for analysis. Point 1 returned a chloride value of 224 mg/kg, while Point 2 returned a chloride value of 128 mg/kg. Gasoline Range Organics (GRO) and Diesel Range Organics (DRO) returned values of non-detect at both points with the exception of the DRO at Point 2, which returned a value of 419 mg/kg. The pasture area of the release was excavated to 1.5 ft. A bottom composite was taken from the base of the excavation and sent to a commercial laboratory for analysis. Laboratory analysis returned a chloride level of 80 mg/kg, a GRO reading of non-detect and a DRO reading of 267 mg/kg. Approximately 555 yards of contaminated soil was exported from the site to a NMOCD approved facility. Approximately 756 yards of top soil was imported to the site to use as backfill. On July 17th, 2014, NMOCD approved the site to be backfilled. The site was backfilled with the imported top soil, and the area was contoured to the surrounding location. On October 15th, 2014, the site was seeded with Lea County Mix.

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.

OIL CONSERVATION DIVISION

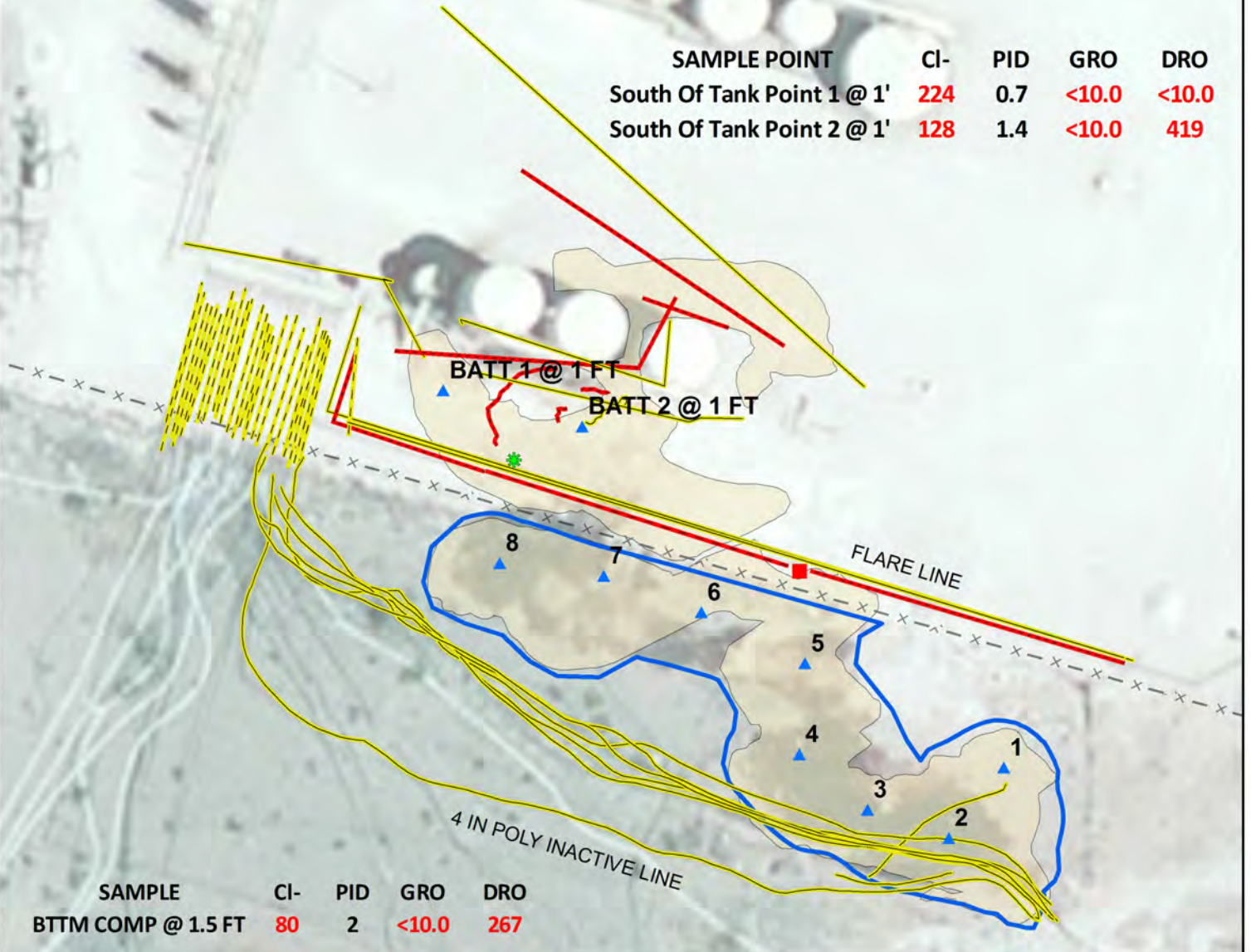
Signature: 	Approved by Environmental Specialist:			
Printed Name: SEAN ROBINSON	Approval Date:			Expiration Date:
Title: OPERATIONS SUPERVISOR	Conditions of Approval:			Attached <input type="checkbox"/>
E-mail Address: strobin@cop.com				
Date: 2/27/15	Phone: 575-391-3147			217817

* Attach Additional Sheets If Necessary

Figures

Excavation Data

SAMPLE POINT	CI-	PID	GRO	DRO
South Of Tank Point 1 @ 1'	224	0.7	<10.0	<10.0
South Of Tank Point 2 @ 1'	128	1.4	<10.0	419



Legend

- ▲ SAMPLE POINT 7/1/14
- ELECTRICAL BOX
- ★ LIGHT POLE
- BURIED ELECTRIC
- 4 IN STEEL BURIED PIPELINE
- SURFACE ELECTRIC
- SURFACE PIPELINE
- EXCAVATION 7-2-14 @ 1.5 FT
- × × BATTERY
- STAIN 14,569 SQ FT TOTAL AREA

CI- FIELD DATA
CI- LAB DATA

Landowner: State
DGW: 96 ft

**CONOCOPHILLIPS
VACUUM GLORIETTA
WEST UNIT**
UL A SECTION 31
T-17-S R-35-E
LEA COUNTY, NM

Figure 1

0 30 60
Feet

GPS date: 7/1/14 CF
Drawing date: 7/10/14
Drafted by: L. Weinheimer



Appendix A

Initial C-141

District I
1625 N. French Dr., Hobbs, NM 88240
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811 S. First St., Artesia, NM 88210
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State of New Mexico
Energy Minerals and Natural Resources

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1220 South St. Francis Dr.
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Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: ConocoPhillips	Contact: Spencer Cluff	
Address: 29 Vacuum Complex Lane	Telephone No. 575-391-3143	
Facility Name: VGEU West Battery	Facility Type: Battery	
Surface Owner: NMOCD	Mineral Owner NMOCD	API No. 3002521012

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	32	17S	35E	760	North	660	West	LEA

Latitude **32.7967056673181** Longitude - **103.486328516973**

NATURE OF RELEASE

Type of Release: Spill	Volume of Release: 70 BBLs	Volume Recovered: 40 BBLs
Source of Release: Water Tank	Date and Hour of Occurrence 03/26/14 1:00 am	Date and Hour of Discovery 03/26/14 4:00 am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Geoffrey Leking	
By Whom? Spencer Cluff	Date and Hour: 03/26/2014 2:00 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.*		

RECEIVED

By OCD; Dr. Oberding at 9:16 am, Apr 13, 2015

Describe Cause of Problem and Remedial Action Taken.* There was a power outage caused by lightening. The automatic SWD valve could not function without power. The valve had to be manually opened.

Describe Area Affected and Cleanup Action Taken.*
Pasture area was 285 ft. X 225 ft. and will be remediated according to NMOCD requirements.

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:		OIL CONSERVATION DIVISION	
Printed Name: Spencer Cluff		Approved by Environmental Specialist:	
Title: LEAD HSE	Approval Date:	Expiration Date:	
E-mail Address: spencer.a.cluff@conocophillips.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 03/27/2014	Phone: 575-391-3143		

* Attach Additional Sheets If Necessary

Appendix B

Laboratory Analysis

RICE Environmental Consulting and Safety (RECS)
P.O. Box 2948 Hobbs, NM 88241
Phone 575.393.2967



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

July 09, 2014

LAURA FLORES

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

419 W. CAIN

HOBBS, NM 88240

RE: VACUUM GLORIETTA WEST UNIT

Enclosed are the results of analyses for samples received by the laboratory on 07/03/14 10:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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 (V1, 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

RICE ENVIRONMENTAL CONSULTING & SAFETY
LAURA FLORES
419 W. CAIN
HOBBS NM, 88240
Fax To: (575) 397-1471

Received:	07/03/2014	Sampling Date:	07/02/2014
Reported:	07/09/2014	Sampling Type:	Soil
Project Name:	VACUUM GLORIETTA WEST UNIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CONOCO PHILLIPS		

Sample ID: 8 PT BTM COMP @ 1.5' (H402030-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/09/2014	ND	416	104	400	3.92	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/07/2014	ND	177	88.4	200	0.325	
DRO >C10-C28	267	10.0	07/07/2014	ND	192	95.8	200	0.241	
Surrogate: 1-Chlorooctane	107 %	65.2-140							
Surrogate: 1-Chlorooctadecane	119 %	63.6-154							

Sample ID: S OF TANK PT. 1 @ 1' (H402030-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	07/09/2014	ND	416	104	400	3.92	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/07/2014	ND	177	88.4	200	0.325	
DRO >C10-C28	<10.0	10.0	07/07/2014	ND	192	95.8	200	0.241	
Surrogate: 1-Chlorooctane	114 %	65.2-140							
Surrogate: 1-Chlorooctadecane	125 %	63.6-154							

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 LAURA FLORES
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	07/03/2014	Sampling Date:	07/02/2014
Reported:	07/09/2014	Sampling Type:	Soil
Project Name:	VACUUM GLORIETTA WEST UNIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CONOCO PHILLIPS		

Sample ID: S OF TANK PT. 2 @ 1' (H402030-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	07/09/2014	ND	416	104	400	3.92	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/07/2014	ND	177	88.4	200	0.325	
DRO >C10-C28	419	10.0	07/07/2014	ND	192	95.8	200	0.241	

Surrogate: 1-Chlorooctane	104 %	65.2-140
Surrogate: 1-Chlorooctadecane	115 %	63.6-154

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

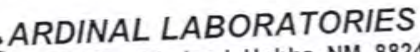
Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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



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

July 23, 2014

LAURA FLORES

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

419 W. CAIN

HOBBS, NM 88240

RE: VACUUM GLORIETTA WEST UNIT

Enclosed are the results of analyses for samples received by the laboratory on 07/18/14 15:12.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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Method EPA 524.2	Total Trihalomethanes (TTHM)
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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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

RICE ENVIRONMENTAL CONSULTING & SAFETY
LAURA FLORES
419 W. CAIN
HOBBS NM, 88240
Fax To: (575) 397-1471

Received:	07/18/2014	Sampling Date:	07/18/2014
Reported:	07/23/2014	Sampling Type:	Soil
Project Name:	VACUUM GLORIETTA WEST UNIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Kathy Perez
Project Location:	CONOCO PHILLIPS		

Sample ID: IMPORTED BACKFILL (H402200-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/22/2014	ND	416	104	400	3.77	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

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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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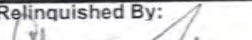

Celey D. Keene, Lab Director/Quality Manager



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

Page 4 of 4

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Relinquished By: 		Date: 7-19-2014	Received By: 	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Phone #:
Relinquished By:		Date:	Received By:	Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Fax #:
Delivered By: (Circle One)		Time: 3:12	Time:	REMARKS:
Sampler - UPS - Bus - Other:		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No	CHECKED BY: (Initials) 100	email: hconder@riceswd.com; lflores@rice-ecs.com; lweinheimer@rice-ecs.com; knorman@rice-ecs.com; jkamplain@rice-ecs.com; sedwards@rice-ecs.com; cursanic@rice-ecs.com Environmental Tech: cflores@rice-ecs.com

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

Appendix C

Photo Documentation

RICE Environmental Consulting and Safety (RECS)
P.O. Box 2948 Hobbs, NM 88241
Phone 575.393.2967

ConocoPhillips VGEU West Battery

Unit Letter D Section 32, T17S, R35E



Initial release area, facing west

4/2/14



Initial release area, facing northeast

4/2/14



Initial release area, facing northwest

4/2/14



Excavating to 1.5 ft, facing northwest

5/7/14



Exporting soil, facing northwest

5/14/14



Importing top soil, facing northwest

7/21/14



Backfilling excavation, facing south

7/28/14



Completed backfill, facing southeast

8/1/14



Tilling area, facing east

10/15/14



Seeding, facing southwest

10/15/14



Completed site, facing southeast

10/15/14



Completed site, facing southwest

10/15/14