



CONOCOPHILLIPS

EVGSAU Santa Fe 133 Battery Trunkline Leak (10-25-04)

ENVIRONMENTAL SITE INVESTIGATION

PERFORMED BY:

BBC INTERNATIONAL, INC.
WORLD-WIDE ENVIRONMENTAL SPECIALISTS
1324 W. MARLAND BLVD.
P. O. BOX 805
HOBBS, NEW MEXICO 88240
(505)397-6388 • FAX (505)397-0397
EMAIL: bbc@bbcinternational.com
WEBSITE: www.bbcinternational.com

November 4, 2004

PREPARED FOR:

MR. STEPHEN R. WILSON
CONOCOPHILLIPS
29 VACUUM COMPLEX RD.
LOVINGTON, NEW MEXICO 88260-9613

*Conoco Phillips - 217817
facility - #PAC0605538757 inspect - ePAC0605538889
incident - #PAC0605538935
application - #PAC0605539144*

ConocoPhillips

EVGSAU Santa Fe 133 Battery Trunkline Leak (10-25-04)

1.0 INTRODUCTION

The subject site is located east of Buckeye, New Mexico in Section 29, Township 17 South, and Range 35 East. The site consists of undeveloped rangeland and petroleum production facilities. On October 25, 2004, the 4" poly trunkline from the Santa Fe 133 Battery leaked approximately 5 bbls of oil and 2 bbls of water, with approximately 4 bbls of oil and 1 bbl of water being recovered.

2.0 SITE CHARACTERIZATION

The leak area runs west to east and measures approximately 184 feet by 54 feet. A sketch of the leak area including the sample points can be reviewed in Appendix II of this report. The surface soil is brown topsoil. There is no water source within 1,000 feet of the site. There is no surface water within 1,000 feet of the site. Based on data from the New Mexico Office of the State Engineer, there are no recorded water wells located in Section 29, Township 17 South, and Range 35 East. The bedrock in the Buckeye area is very shallow and at this site it is approximately one foot below the surface of the topsoil.

3.0 SITE INVESTIGATION ACTIVITIES

On November 3, 2004, BBC personnel conducted an inspection of the site. Two samples were taken at a depth of one foot; SP1 from the west end of the leak area and SP2 from the east end of the leak area. The samples were taken to Cardinal Laboratories and analyzed for BTEX, TPH (GRO and DRO), and Chlorides. Laboratory analysis for SP1 @ 1' is: GRO – non detect, DRO – 62.8 ppm, Chlorides – 2800 ppm, Benzene – non detect, Toluene – non-detect, Ethyl Benzene – non-detect, and Total Xylenes – non-detect. Laboratory analysis for SP2 @ 1' is: GRO – 153 ppm, DRO – 721 ppm, Chlorides – 2100 ppm, Benzene – 0.360 ppm, Toluene – 1.24 ppm, Ethyl Benzene – 2.13 ppm, and Total Xylenes - 2.38 ppm. Laboratory analytical results for this sampling event can be reviewed in Appendix I of this report. The location of the sample points can be viewed on the site diagram in Appendix II of this report.

4.0 CONCLUSION AND RECOMMENDATION

The laboratory data for this site indicates that TPH and BTEX concentrations are below OCD guidelines for areas where depth to groundwater is greater than 50 feet, and the area of greatest chloride contamination is in the near surface portion of the leak area. Taking into consideration that the average depth to groundwater in the area is greater than 50 feet and the existence of the rock layer at a depth of approximately one foot below ground surface, the evidence indicates that the migration of contamination to groundwater is unlikely. Therefore, it is recommended that approximately 1 foot of topsoil, down to the rock layer, be removed and disposed of. This soil would be transported to an OCD approved landfarm or disposal site.



PHONE (505) 397-6388 • FAX (505) 397- 0397 • 1324 W. MARLAND • P.O. BOX 805 • HOBBS, NM 88241-0805
E-MAIL: bbc@bbcinternational.com

January 3, 2004

Paul Sheeley
NM Oil Conservation Division
1625 N. French Drive
Hobbs, NM 88240

**RE: ConocoPhillips – EVGSAU Santa Fe 133 Battery Trunkline Leak (10-25-04)
Section 29, Township 17 South, Range 35 East**

Dear Mr. Sheeley:

BBC International, Inc. respectfully submits this site investigation report for the EVGSAU Santa Fe Battery Trunkline Leak on behalf of ConocoPhillips.

This site is an area that was investigated due to a trunkline leak that occurred on October 25, 2004. Approximately 7 barrels of oil and 2 barrels of produced water was released with 4 barrels of oil and 1 barrel of water recovered.

The investigation and sampling was conducted on November 3, 2004. The data indicates that the area of greatest contamination is in the upper portion of the leak area. Since the depth to groundwater in the area is greater 50 feet and there is a rock layer at approximately one foot below ground surface, it is recommended that approximately one foot of topsoil be removed and disposed of at an OCD approved disposal facility or landfarm, and the site closed.

I look forward to your review of this report and the agreement to our recommendation. If you have any questions, please do not hesitate to contact me at (505)397-6388, by email at kswinney@bbcinternational.com, or at the address above.

Sincerely,

BBC International, Inc.

Ken Swinney, CEI, CRS
Director of Operations

KS:jg

encl.

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

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company ConocoPhillips	Contact Stephen Wilson
Address HC60 Box 66, Lovington, NM	Telephone No. 505-396-7962
Facility Name Santa Fe 133 Battery	Facility Type Oil and Gas
Surface Owner State of NM	Mineral Owner
	Lease No Santa Fe 133 Battery

LOCATION OF RELEASE

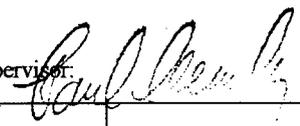
Unit Letter	Section 29	Township 17S	Range 35E	Feet from the	North/South Line	Feet from the	East/West Line	County Lea, NM
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Latitude N ~~32° 47.498'~~ Longitude W ~~103° 29.571'~~ 77'

NATURE OF RELEASE

Type of Release Crude oil and Produced water	Volume of Release 7bbl (Soil, 2water)	Volume Recovered (4oil, 1water)
Source of Release Trunk line	Date and Hour of Occurrence 10-25-04 2:00pm	Date and Hour of Discovery 10-25-04 3:00pm
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
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.* bullet hole in trunk line		
Describe Area Affected and Cleanup Action Taken.* 150' x 20' Pasture. Vacuum truck out pick loose fluid, backhoe to spread sand to secure site. A determination will be made as to the need for any further action. If further action is deemed necessary a follow up report will be filed. No cattle in the area.		
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 District Supervisor: 	
Printed Name: Stephen R. Wilson		
Title: Sr. SHEAR Specialist	Approval Date: 1-6-05	Expiration Date: UNLIMITED
E-mail Address: Stephen.R.Wilson@ConocoPhillips.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date:	Phone: 505-396-7962	

* Attach Additional Sheets If Necessary



Permian Basin Asset

Record of Accidental Discharge of Crude Oil, Water or Hazardous Substances

Lease: Santa Fe Battery # 133		Lease # (API, RRC, State, or Federal)		Field: buckeye	
Discovered By: Chad Kleinsteuber			Date and Time Discovered: 10/25/04 @ 3:00pm		
Date and Time Discharge Began: 10/25/04 @ ?			Date and Time Discharge Ended: 10/25/04 @ 7:00pm		
Discharge Site: Unit Letter Sec. 29 Blk/TWP 17S Survey/Range 35E County/State: Lea, New Mexico					
Latitude N 32.47-498 Longitude W 103 29.571					
Highway Map Location: 30 miles west of hobbs on cr50 to buckeye office. leave office heading north to double cattle guard turn west down cr50 go 2.5 miles turn south onto lease road go about half a mile location on north side of road					
Location Of Discharge: middle of a field				<input checked="" type="checkbox"/> Flowline ——— 2600 Feet to Nearest Wellhead Number 30-01	
				<input type="checkbox"/> Injection. Line Feet to Nearest Wellhead Number	
Specific Source of Discharge: trunk line					
Describe Cause of Discharge : bullet hole in trunk line					
Actions taken to Prevent Reoccurrence: Replace bad part of trunk line					
Describe Nature and Extent of Area Affected: 150' x 20' Pasture					
Weather Conditions: Clear and Dry					
Clean-Up Action Taken: Vacuum truck pick loose fluid, backhoe to spread sand to securer site					
Remediation Action Taken: A determination will be made as to the need for any further action. If further action is deemed necessary a follow up report will be filed. No cattle in the area.					
Specific Source of Discharge			Possible Reasons For Failure		
<input checked="" type="checkbox"/> Flowline <input type="checkbox"/> Pump <input type="checkbox"/> Tank Piping <input type="checkbox"/> Vessel <input type="checkbox"/> Vessel Piping <input type="checkbox"/> Chemical Storage Container <input type="checkbox"/> Line Check Valve <input type="checkbox"/> Chemical Injection Equipment <input checked="" type="checkbox"/> Wellhead Connections <input type="checkbox"/> Casing/Tubing Communication <input type="checkbox"/> Tank <input checked="" type="checkbox"/> Other: Gun Shot			<input type="checkbox"/> Corrosion <input checked="" type="checkbox"/> Human Error <input type="checkbox"/> External <input type="checkbox"/> Pressure <input type="checkbox"/> Internal <input type="checkbox"/> Instrumentation <input type="checkbox"/> Fatigue <input type="checkbox"/> Mechanical <input type="checkbox"/> Age <input type="checkbox"/> Weather		
			Cost of Cleanup/Repair: 500.00		
Pipe Size = 3 inches					
<input type="checkbox"/> Steel <input type="checkbox"/> Buried <input type="checkbox"/> Coated <input type="checkbox"/> Plastic Lined					
<input type="checkbox"/> Fiberglass <input checked="" type="checkbox"/> Surface <input type="checkbox"/> Internal <input type="checkbox"/> Fiberglass					
<input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Bare <input type="checkbox"/> External <input type="checkbox"/> Was Line Chemically Treated					
<input type="checkbox"/> Transite <input type="checkbox"/> Cement Lined <input type="checkbox"/> Other					
Names and Volumes of Substances Spilled			Remedial Action Picked Up		
5 BBL Oil 2 BBL Produced Water			4 BBL Oil 1 BBL Produced Water		
Gallons Chemical Spilled			Gallons Chemical		Contained in Dike? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Gas Volume Released (MCF)			<input type="checkbox"/> Gas Leak	<input type="checkbox"/> Blowdown	<input type="checkbox"/> Upset
Other – Explain:					
Federal, State, and Local Agencies Notified:				Job Number	
Agency	Person Notified	Date and Time Notified	Method Used		Person Notifying
NMOCD	NA	@	<input type="checkbox"/> Phone	<input type="checkbox"/> Fax	
		@	<input type="checkbox"/> Phone	<input type="checkbox"/> Fax	
		@	<input type="checkbox"/> Phone	<input type="checkbox"/> Fax	
Landowner/Tennant: Giles Lee				Telephone No.	
I Hereby Certify That The Above Information Is True To The Best Of My Knowledge.					
Name and Title: Chad Kleinsteuber					

Appendix I



PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
 BBC INTERNATIONAL, INC.
 ATTN: CLIFF BRUNSON
 P.O. BOX 805
 HOBBS, NM 88241
 FAX TO: (505) 397-0397

Receiving Date: 11/03/04
 Reporting Date: 11/05/04
 Project Owner: CONOCO PHILLIPS
 Project Name: SANTA FE BATTERY 133
 Project Location: BUCKEYE, NM

Sampling Date: 11/03/04
 Sample Type: SOIL
 Sample Condition: COOL & INTACT
 Sample Received By: AH
 Analyzed By: BC/AH

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/Kg)	DRO (>C ₁₀ -C ₂₈) (mg/Kg)	Cl* (mg/Kg)
ANALYSIS DATE		11/04/04	11/04/04	11/04/04
H9315-1	SP1 @ 1'	<10.0	62.8	2800
H9315-2	SP2 @ 1'	153	721	2100
Quality Control		731	796	1010
True Value QC		800	800	1000
% Recovery		91.4	99.5	101
Relative Percent Difference		0.5	3.1	1.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Cl: Std. Methods 4500-ClB
 *Analyses performed on 1:4 w:v aqueous extracts.

Brunson
 Chemist

11/5/04
 Date

H9315A.XLS

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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.



ARDINAL
LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

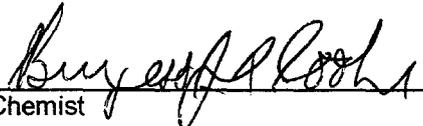
ANALYTICAL RESULTS FOR
BBC INTERNATIONAL, INC.
ATTN: CLIFF BRUNSON
P.O. BOX 805
HOBBS, NM 88241
FAX TO: (505) 397-0397

Receiving Date: 11/03/04
Reporting Date: 11/05/04
Project Owner: CONOCO PHILLIPS
Project Name: SANTA FE BATTERY 133
Project Location: BUCKEYE, NM

Sampling Date: 11/03/04
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC

LAB NUMBER	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		11/04/04	11/04/04	11/04/04	11/04/04
H9315-1	SP1 @ 1'	<0.005	<0.005	<0.005	<0.015
H9315-2	SP2 @ 1'	0.360	1.24	2.13	2.38
Quality Control		0.096	0.095	0.103	0.317
True Value QC		0.100	0.100	0.100	0.300
% Recovery		96.4	95.4	103	106.0
Relative Percent Difference		2.0	6.6	<0.1	0.6

METHOD: EPA SW-846 8260


Chemist

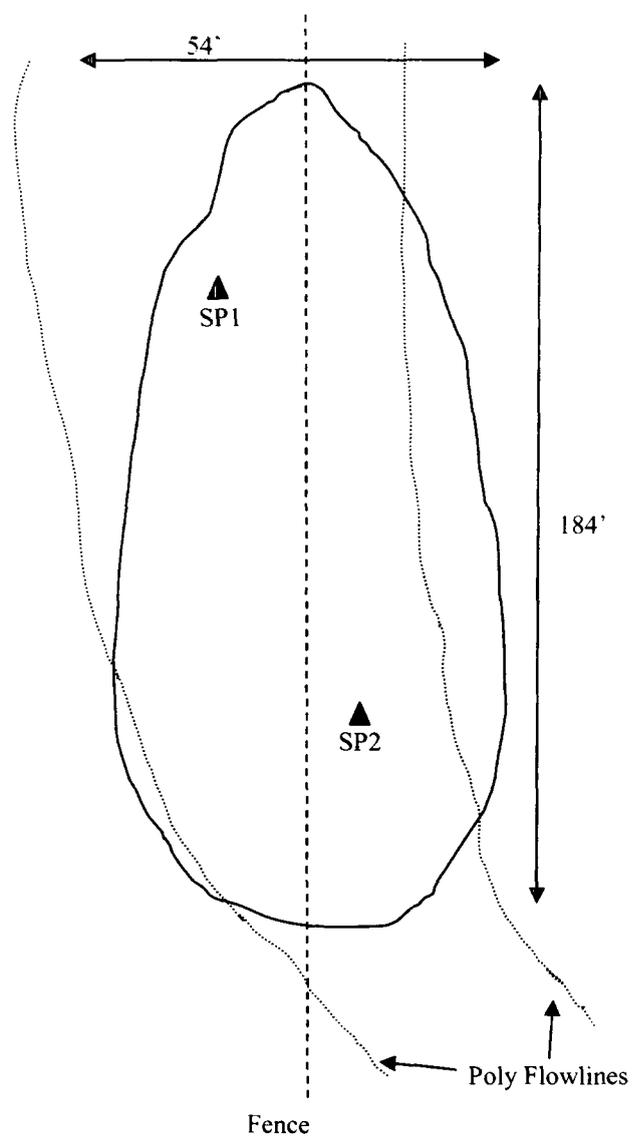
11/5/04
Date

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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

Appendix II



CONOCOPHILLIPS SANTA FE 133 BATTERY LEAK



LEGEND	
▲	Sample Point
□	Contaminated Area

BBC INTERNATIONAL, INC.	
CONOCOPHILLIPS EAST VACUUM GLORIETTA	
Date: 11-8-04	Drawn By: JG
Disk:	Sheet 1 of 1 Sheets
Scale: Not to Scale	File Name