



# CONOCOPHILLIPS

**EVGSAU WELL # 3366-029 (3-29-04)**

## ENVIRONMENTAL SITE INVESTIGATION

PERFORMED BY:

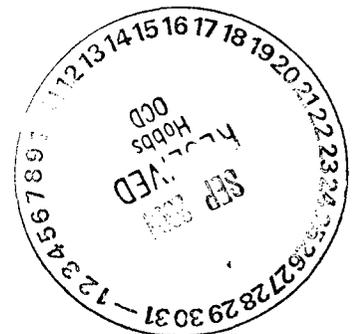
**BBC INTERNATIONAL, INC.**  
WORLD-WIDE ENVIRONMENTAL SPECIALISTS  
1324 W. MARLAND BLVD.  
P. O. BOX 805  
HOBBS, NEW MEXICO 88240  
(505)397-6388 • FAX (505)397-0397  
EMAIL: [bbc@bbcinternational.com](mailto:bbc@bbcinternational.com)  
WEBSITE: [www.bbcinternational.com](http://www.bbcinternational.com)

**JUNE 1, 2004**

PREPARED FOR:

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

*Incident - n PAC 0605541294*  
*Application - p PAC 0605541521*



# **ConocoPhillips**

## **EVGSAU Well #3366-029**

### **3-29-04**

#### **1.0 INTRODUCTION**

The subject site is located east of Buckeye, New Mexico in Unit Letter E, of Section 33, Township 17 South, and Range 35 East. The site consists of undeveloped rangeland and petroleum production facilities. On March 29, 2004, the 3" steel flowline from well #3366-029 leaked approximately 26 bbls of oil and 62 bbls of water with approximately 24 bbls of oil and 61 bbls of water being recovered.

#### **2.0 SITE CHARACTERIZATION**

The leak area is approximately the shape of a T, the top area of which runs north to south and measures approximately 290 feet by 56 feet. The lower area runs east to west and measures approximately 118 feet by 30 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 seven water wells located in Section 33, Township 17 South, and Range 35 East. The depth to groundwater in these wells ranges from 50 to 90 feet. 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 May 4, 2004, BBC personnel conducted an inspection of the site. Three samples were taken at the site from a soil boring in the center of the leak area. The soil boring was drilled with an air rotary drill to a total depth of 25 feet. The three samples were taken from the soil boring at a depth of one foot, 15 feet, and 25 feet. The samples were taken to Cardinal Laboratories and analyzed for BTEX, TPH (GRO and DRO), and Chlorides. Laboratory analysis for SB1 @ 1' is: GRO – non detect, DRO – 37.1 ppm, and Chlorides – 4240 ppm. Laboratory analysis for SB1 @ 15' is: GRO - non detect, DRO – non detect, and Chlorides – 2160 ppm. Laboratory analysis for SB1 @ 25' is: GRO – non detect, DRO – non detect, and Chlorides – 512 ppm. BTEX analysis is non detect for all samples. Laboratory analytical results for this sampling event, as well as, the drilling log for the soil boring can be reviewed in Appendix I of this report. The soil boring location can be reviewed on the site diagram in Appendix II of this report.

A second sampling event was conducted by BBC personnel on May 12, 2004. Two samples were taken, both at a depth of approximately 1 foot. Sample Point 1 was taken from the west end of the leak site and Sample Point 2 was taken from the east end of the leak site. 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 – 431 ppm, Chlorides – 4160 ppm, Benzene – non detect, Toluene – 0.070 ppm, Ethyl Benzene – 0.117 ppm, and Total Xylenes – 0.297 ppm. Laboratory analysis for SP2-1' is: GRO – 288 ppm, DRO – 11,400 ppm, Chlorides – 1140 ppm, Benzene – non detect, Toluene – 0.140 ppm, Ethyl Benzene – 0.235 ppm, and Total Xylenes - 0.594 ppm. Laboratory analytical results for this sampling event can be reviewed in Appendix I of this report and their locations can be seen in the site diagram located in Appendix II of this report.

#### **4.0 CONCLUSION AND RECOMMENDATION**

The laboratory data for this site indicates that the area of greatest contamination is in the near surface portion of the leak area. Taking into consideration that the depth to groundwater 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. The excavated area would then be backfilled with clean topsoil and reseeded with the appropriate BLM seed mix and the site would be closed.

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

Form C-141  
Revised October 10, 2003

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

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 <b>ConocoPhillips</b>	Contact <b>Stephen Wilson</b>
Address <b>HC60 Box 66, Lovington, NM</b>	Telephone No. <b>505-396-7962</b>
Facility Name <b>EVGSAU Well# 3366-029</b>	Facility Type <b>Oil and Gas</b>

Surface Owner <b>State of NM</b>	Mineral Owner	Lease No <b>30-025-02987-00-00</b>
----------------------------------	---------------	------------------------------------

**LOCATION OF RELEASE**

Unit Letter <b>E</b>	Section <b>33</b>	Township <b>17S</b>	Range <b>35E</b>	Feet from the	North/South Line	Feet from the	East/West Line	County <b>Lea</b>
-------------------------	----------------------	------------------------	---------------------	---------------	------------------	---------------	----------------	----------------------

Latitude N 32° 47.600' Longitude W 103° 28.219'

**NATURE OF RELEASE**

Type of Release <b>Oil and Produced water</b>	Volume of Release <b>88bbl (26oil, 62water)</b>	Volume Recovered <b>(24oil, 61water)</b>
Source of Release <b>3" steel flowline External corrosion</b>	Date and Hour of Occurrence <b>03-29-04 9:00am</b>	Date and Hour of Discovery <b>03-29-04 10:00am</b>
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? <b>Sylvia Dickey</b>	
By Whom? <b>Rey Sosa</b>	Date and Hour <b>03-30-04 9:00am</b>	
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.\*  
**NA**

Describe Cause of Problem and Remedial Action Taken.\*  
**3" steel flowline external corrosion . Vacuum truck out to pickn up free liquids and spread sand to secure area. No cattle present. Replace section(s) of 3"pipe around leak area. and externally coat replacement pipe to protect from corrosion**

Describe Area Affected and Cleanup Action Taken.\*  
**92' x 95' of pasture. The well was shut-in and a vacuum truck dispatched to pick up free liquid. Other flowlines in the area will be assessed. The weather was clear and dry at the time of the leak with no cattle present.**

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: <b>Stephen R. Wilson</b>	Approval Date:	Expiration Date:
Title: <b>Sr. SHEAR Specialist</b>	Conditions of Approval:	
E-mail Address: <b>Stephen.R.Wilson@ConocoPhillips.com</b>	Attached <input type="checkbox"/>	
Date: <b>04-0-04</b> Phone: <b>505-396-7962</b>		

\* Attach Additional Sheets If Necessary



Permian Basin Asset

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

Lease: <b>EVGSAU</b> Well # <b>3366-029</b>		Lease # <b>30-025-02987-00-00</b> (API, RRC, State, or Federal)		Field:	
Discovered By: <b>Eddy Evans</b>			Date and Time Discovered: <b>03-29-04 @ 10:00pm</b>		
Date and Time Discharge Began: <b>03-29-04 @ 9:00pm</b>			Date and Time Discharge Ended: <b>03-29-04 @ 10:30pm</b>		
Discharge Site: Unit Letter <b>E</b> Sec. <b>33</b> Blk/TWP <b>17S</b> Survey/Range <b>35E</b> County/State: <b>Lea, New Mexico</b>					
Latitude N <b>32 47.600</b> Longitude W <b>103 28.219</b>					
Highway Map Location: <b>West 30 miles of Hobbs to Buckeye office. West on CR50 to plant entrance go West around plant .5 mile.</b>					
Location Of Discharge: <b>3" steel flowline</b>				<input checked="" type="checkbox"/> Flowline ——— <b>180 Feet to Nearest Wellhead Number 3366-029</b>	
				<input type="checkbox"/> Injection Line Feet to Nearest Wellhead Number	
Specific Source of Discharge: <b>Flowline</b>					
Describe Cause of Discharge : <b>External corrosion</b>					
Actions taken to Prevent Reoccurrence: <b>Replace section(s) of 3" pipe around leak area and externally coat replacement pipe to protect from corrosion</b>					
Describe Nature and Extent of Area Affected: <b>92' x 95' Pasture</b>					
Weather Conditions: <b>Clear and Dry</b>					
Clean-Up Action Taken: <b>Vacuum truck out to clean up free liquids and spread sand to secure area. No cattle present</b>					
Remediation Action Taken: <b>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.</b>					
<b>Specific Source of Discharge</b>			<b>Possible Reasons For Failure</b>		
<input checked="" type="checkbox"/> Flowline <input type="checkbox"/> Tank Piping <input type="checkbox"/> Vessel Piping <input type="checkbox"/> Line Check Valve <input type="checkbox"/> Wellhead Connections <input type="checkbox"/> Tank			<input type="checkbox"/> Pump <input type="checkbox"/> Vessel <input type="checkbox"/> Chemical Storage Container <input type="checkbox"/> Chemical Injection Equipment <input type="checkbox"/> Casing/Tubing Communication <input type="checkbox"/> Other:		
			<input checked="" type="checkbox"/> Corrosion <input checked="" type="checkbox"/> External <input type="checkbox"/> Internal <input type="checkbox"/> Fatigue <input type="checkbox"/> Age		
			<input type="checkbox"/> Human Error <input type="checkbox"/> Pressure <input type="checkbox"/> Instrumentation <input type="checkbox"/> Mechanical <input type="checkbox"/> Weather		
Cost of Cleanup/Repair: <b>\$1000</b>					
Pipe Size = <b>3 inches</b>					
<input checked="" type="checkbox"/> Steel <input type="checkbox"/> Fiberglass <input type="checkbox"/> Plastic <input type="checkbox"/> Transite					
<input type="checkbox"/> Buried <input checked="" type="checkbox"/> Surface <input type="checkbox"/> Bare					
<input type="checkbox"/> Coated <input type="checkbox"/> Internal <input type="checkbox"/> External <input type="checkbox"/> Cement Lined					
<input type="checkbox"/> Plastic Lined <input type="checkbox"/> Fiberglass <input type="checkbox"/> Was Line Chemically Treated <input type="checkbox"/> Other					
<b>Names and Volumes of Substances Spilled</b>			<b>Remedial Action Picked Up</b>		
26 BBL Oil 62 BBL Produced Water			24 BBL Oil 61 BBL Produced Water		Contained in Dike? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Gallons Chemical Spilled			Gallons Chemical		MFG/Chemical Name:
Gas Volume Released (MCF)			<input type="checkbox"/> Gas Leak	<input type="checkbox"/> Blowdown	<input type="checkbox"/> Upset
Other – Explain:					
<b>Federal, State, and Local Agencies Notified</b>				Job Number	
Agency	Person Notified	Date and Time Notified	Method Used		Person Notifying
NMOCD	Sylvia Dickey	03-30-04 @ 9:00am	<input checked="" type="checkbox"/> Phone	<input type="checkbox"/> Fax	Rey Sosa
		@	<input type="checkbox"/> Phone	<input type="checkbox"/> Fax	
		@	<input type="checkbox"/> Phone	<input type="checkbox"/> Fax	
Landowner/Tenant:				Telephone No.	
I Hereby Certify That The Above Information Is True To The Best Of My Knowledge.				PBBU Discharge Report Form 10-24-03	
Signature: <b>Steve Wilson</b>					

DB File Nbr	Use	Diversion	Owner			Well	
Number	Source	Tws	Rng	Sec	q q q	Zone X	
UTM_Zone	Easting	Northing	Date	Date	Well	Water	
<u>L 04578</u>	PRO		3	SHOENFELD-HUNTER-KITCH			DRLG.CO <u>L</u>
<u>04578</u>	Shallow	17S	35E	33			
13	644016	3628991	01/12/1961	01/12/1961	126	60	<u>L</u>
<u>04578 APPRO</u>	Shallow	17S	35E	33			
13	644016	3628991	01/12/1961	01/14/1961	126	60	<u>L</u>
<u>L 04586</u>	PRO		3	HONDO DRILLING			<u>L</u>
<u>04586</u>	Shallow	17S	35E	33	4 3 3		
13	644115	3628294	01/16/1961	01/18/1961	125	50	<u>L</u>
<u>04586 APPRO</u>	Shallow	17S	35E	33	4 3 3		
13	644115	3628294	01/16/1961	01/18/1961	125	50	<u>L</u>
<u>L 04633</u>	PRO		0	HONDO DRILLING COMPANY			<u>L</u>
<u>04633 APPRO</u>	Shallow	17S	35E	33	4 2		
13	644612	3628803	04/20/1961	04/20/1961	130	65	<u>L</u>
<u>L 04880</u>	PRO		0	HONDO DRILLING CO.			<u>L</u>
<u>04880</u>	Shallow	17S	35E	33	3 2		
13	643809	3628797	04/18/1960	04/18/1962	145	90	<u>L</u>
<u>L 05834</u>	IND		1150	SOUTHWESTERN PUBLIC SERVICE			<u>L</u>
<u>05834</u>		17S	35E	33	4		
13	644417	3628596					<u>L</u>
<u>L 07785</u>	IND		0	SOUTHWESTERN PUBLIC SERVICE CO			<u>L</u>
<u>07785</u>		17S	35E	33	4 3		
13	644216	3628395			225		<u>L</u>
<u>L 08045</u>	SAN		0	PHILLIPS PETROLEUM COMPANY			<u>L</u>
<u>08045 EXP</u>		17S	35E	33	2 1 4		
13	644297	3629507					

# APPENDIX I

---

## Laboratory Analytical Results *May 2004*

**EVGSAU WELL #3366-029 (3-29-04)**  
**Buckeye, New Mexico**

**Prepared for:**  
ConocoPhillips  
Lovington, New Mexico

**2004**

**Prepared by:**  
BBC International, Inc.



PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2328 • 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: 05/05/04  
 Reporting Date: 05/06/04  
 Project Owner: CONOCO PHILLIPS  
 Project Name: EVGSAU 3366-029  
 Project Location: BUCKEYE, NM

Sampling Date: 05/04/04  
 Sample Type: SOIL  
 Sample Condition: COOL & INTACT  
 Sample Received By: BC  
 Analyzed By: BC/AH

	GRO	DRO	
	(C <sub>8</sub> -C <sub>10</sub> )	(>C <sub>10</sub> -C <sub>28</sub> )	Cl*
LAB NUMBER SAMPLE ID	(mg/Kg)	(mg/Kg)	(mg/Kg)

ANALYSIS DATE	05/05/04	05/05/04	05/06/04
H8663-1 SB1 @ 1'	<10	37.1	4240
H8663-2 SB1 @ 15'	<10	<10	2160
H8663-3 SB1 @ 25'	<10	<10	512
Quality Control	737	746	1010
True Value QC	800	800	1000
% Recovery	92.2	93.3	101
Relative Percent Difference	6.0	7.8	3.0

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

*Bryan R. Cook*  
 Chemist

5/6/04  
 Date

H8663A.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.



PHONE (325) 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: 05/05/04  
 Reporting Date: 05/06/04  
 Project Owner: CONOCO PHILLIPS  
 Project Name: EVGSAU 3366-029  
 Project Location: BUCKEYE, NM

Sampling Date: 05/04/04  
 Sample Type: SOIL  
 Sample Condition: COOL & INTACT  
 Sample Received By: BC  
 Analyzed By: BC

LAB NUMBER	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		05/05/04	05/05/04	05/05/04	05/05/04
H8663-1	SB1 @ 1'	<0.005	<0.005	<0.005	<0.015
H8663-2	SB1 @ 15'	<0.005	<0.005	<0.005	<0.015
H8663-3	SB1 @ 25'	<0.005	<0.005	<0.005	<0.015
Quality Control		0.101	0.092	0.090	0.268
True Value QC		0.100	0.100	0.100	0.300
% Recovery		101	92.2	90.0	89.3
Relative Percent Difference		1.7	3.6	2.0	1.2

METHOD: EPA SW-846 8260

*Bryan J. Cooke*  
 Chemist

5/10/04  
 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.







PHONE (325) 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: 05/12/04  
 Reporting Date: 05/13/04  
 Project Owner: CONOCO PHILLIPS  
 Project Name: EVGSAU #3386-029  
 Project Location: BUCKEYE, NM

Sampling Date: 05/12/04  
 Sample Type: SOIL  
 Sample Condition: COOL & INTACT  
 Sample Received By: GP  
 Analyzed By: BC/AH

LAB NUMBER	SAMPLE ID	GRO (C <sub>5</sub> -C <sub>10</sub> ) (mg/Kg)	DRO (>C <sub>10</sub> -C <sub>28</sub> ) (mg/Kg)	Cl* (mg/Kg)
ANALYSIS DATE		05/12/04	05/12/04	05/13/04
H8688-1	SP 1-1' (029)	<10.0	431	4160
H8688-2	SP 2-1' (029)	288	11400	1140
Quality Control		765	779	1030
True Value QC		800	800	1000
% Recovery		95.7	97.4	103
Relative Percent Difference		5.8	6.3	2.0

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

\*Analyses performed on 1:4 w:v aqueous extracts.

Chemist

5/13/04  
 Date

H8688A.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.



PHONE (325) 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: 05/12/04  
 Reporting Date: 05/13/04  
 Project Owner: CONOCO PHILLIPS  
 Project Name: EVGSAU #3366-029  
 Project Location: BUCKEYE, NM

Sampling Date: 05/12/04  
 Sample Type: SOIL  
 Sample Condition: COOL & INTACT  
 Sample Received By: GP  
 Analyzed By: BC

LAB NUMBER	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		05/12/04	05/12/04	05/12/04	05/12/04
H8688-1	SP 1-1' (029)	<0.005	0.070	0.117	0.297
H8688-2	SP 2-1' (029)	<0.005	0.140	0.235	0.594
Quality Control		0.100	0.096	0.093	0.275
True Value QC		0.100	0.100	0.100	0.300
% Recovery		99.7	95.5	92.5	91.5
Relative Percent Difference		6.8	1.9	1.1	<0.1

METHOD: EPA SW-846 8260

*Russell J. Lohr*  
 Chemist

5/13/04  
 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.

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

**CARDINAL LABORATORIES, INC.**

2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240  
 (915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2476

Company Name: <b>BBC International, Inc.</b>		P.O. #:		<b>BILL TO</b>		ANALYSIS REQUEST	
Project Manager: <b>Cliff Brunson</b>		Company:					
Address: <b>1324 W. Marland</b>		City: <b>Hobbs</b>		State: <b>NM</b>		Zip: <b>88240</b>	
Phone #: <b>505-397-6388</b>		Fax #: <b>505-397-0297</b>		Project Owner: <b>Caraco Phillips</b>			
Project Name: <b>ENVISA W #3366-D29</b>		Project Location: <b>Buckeye, NM</b>		Sampler Name: <b>K.A. Swinney</b>			
FOR LAB USE ONLY		MATRIX		PRESERV		SAMPLING	
Lab I.D.		# CONTAINERS		(G)RAB DR (C)OMP.			
186688-1		SP1-1' (029)		G		DATE	
-2		SP2-1' (029)		G		TIME	
		GROUNDWATER		✓		5-12-04 8:59 am	
		WASTEWATER		✓		5-12-04 9:10 am	
		SOIL					
		CRUDE OIL					
		SLUDGE					
		OTHER:					
		ACID/BASE:					
		ICE / COOL:					
		OTHER:					
		TPH 8015 M					
		BTEX					
		Chloride					

PLEASE NOTE: Utility and Diagnostic Cardinal's facility and client's materials ready for any chain custody whether based in contract or test, shall be limited to the amount paid by the client for the analysis. All orders including those for reagents and any other consumables shall be deemed unshipped 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 solely due to or caused by the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Sampler Relinquished: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Received By: \_\_\_\_\_ Date: 5-11-04 Time: 11:27  
 Relinquished By: \_\_\_\_\_  
 Delivered By: Ken Dutton  
 Sampler - UPS - Bus - Other: \_\_\_\_\_  
 Checked By: \_\_\_\_\_ (Initials)  
 Sample Condition: Cool  Intact  Yes  No   
 Phone Result:  Yes  No  Add'l Phone #: \_\_\_\_\_  
 Fax Result:  Yes  No  Add'l Fax #: \_\_\_\_\_  
 REMARKS:

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

# APPENDIX II

---

**Site Diagram**  
*May 2004*

**EVGSAU WELL #3366-029 (3-29-04)**  
**Buckeye, New Mexico**

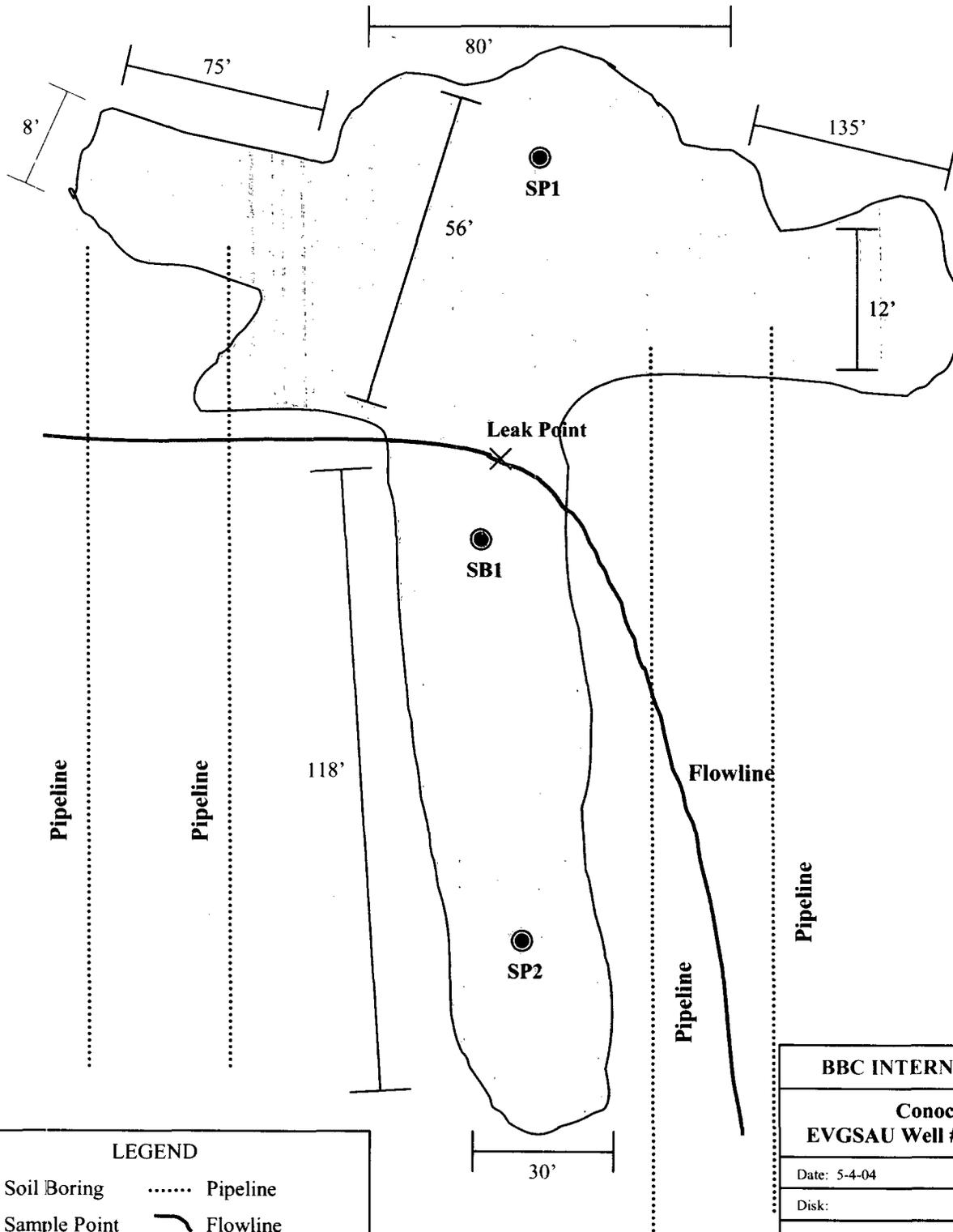
**Prepared for:**  
**ConocoPhillips**  
**Lovington, New Mexico**

**2004**

**Prepared by:**  
**BBC International, Inc.**



# CONOCOPHILLIPS EVGSAU WELL #3366-029 3-29-04



### LEGEND

- Soil Boring
- Sample Point
- ..... Pipeline
- Flowline

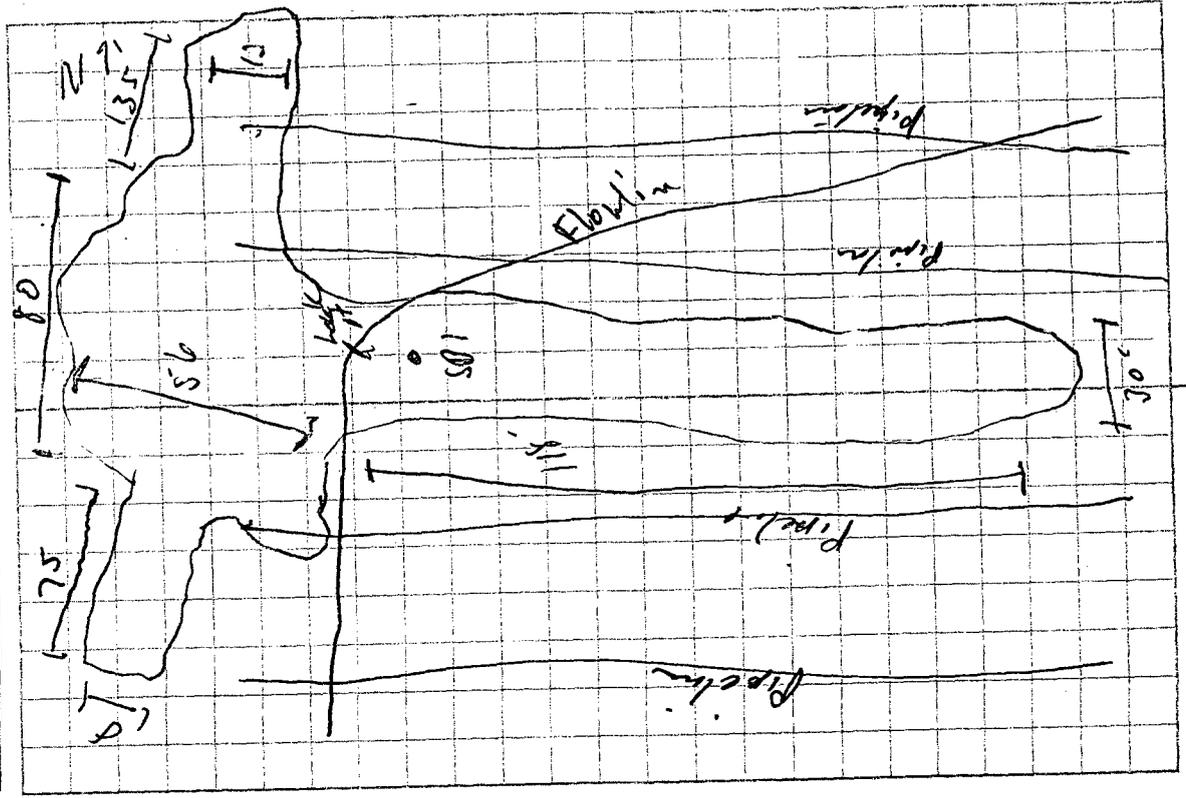
BBC INTERNATIONAL, INC.

ConocoPhillips  
EVGSAU Well #3366-029 (3-29-04)

Date: 5-4-04	Drawn By: JC
Disk:	Sheet 1 of 1 Sheets
Scale: Not to Scale	File Name

Location \_\_\_\_\_ Date \_\_\_\_\_

Project / Client: \_\_\_\_\_



140 Location Buckeye W. Dr. Date 5-4-04

Project / Client EKSAA 3366-039 /

ConocoPhillips

Sample #	Depth	Time	Date	Field #	Odor
SB1-1'	1'	12:10	5-4-04	4560	odor
SB1-3'	3'	11:27	5-4-04	4800	slight
SB1-5'	5'	12:30	5-4-04	4200	none
SB1-10'	10'	12:37	5-4-04	4200	none
SB1-15'	15'	13:00	5-4-04	2600	none
SB1-20'	20'	13:05	5-4-04	2600	none
SB1-25'	25'	13:25	5-4-04	600	none

Coreacophilis

Sample #	depth	time	date	field #	odor
SB1-1'	1'	12:30	5-4-04	4560	odor
SB1-3'	3'	12:27	5-4-04	4800	slight
SB1-5'	5'	12:30	5-4-04	4200	none
SB1-10'	10'	12:33	5-4-04	4200	none
SB1-15'	15'	13:00	5-4-04	2600	none
SB1-20'	20'	13:05	5-4-04	2600	none
SB1-25'	25'	13:25	5-4-04	600	none

Additional samples on 5-12-04

Sample #	depth	time	date
SP1-1'	1'		5-12-04
SP2-1'	1'		5-12-04

